

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052148.D
 Acq On : 5 Nov 2018 14:56
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 10:00:03 AM

Quant Time: Nov 05 22:34:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:07:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	456339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	737097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	676944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	318787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	760007	140.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.92%	
35) Dibromofluoromethane	7.59	113	706636	154.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.82%	
50) Toluene-d8	10.09	98	2700406	152.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.24%	
62) 4-Bromofluorobenzene	12.40	95	917546	157.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	600131	150.813	ug/l	97
3) Chloromethane	2.06	50	765258	142.481	ug/l	99
4) Vinyl Chloride	2.19	62	735690	143.014	ug/l	100
5) Bromomethane	2.56	94	518909	134.930	ug/l	97
6) Chloroethane	2.71	64	458963	139.537	ug/l	99
7) Trichlorofluoromethane	3.02	101	1078626	144.347	ug/l	99
8) Diethyl Ether	3.41	74	380330	145.686	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	645837	144.635	ug/l	97
10) Methyl Iodide	3.96	142	1020609	161.888	ug/l	99
11) Tert butyl alcohol	4.78	59	165793	704.130	ug/l	96
12) 1,1-Dichloroethene	3.74	96	614936	146.276	ug/l	100
13) Acrolein	3.61	56	201832	953.449	ug/l	99
14) Allyl chloride	4.33	41	1088220	155.097	ug/l	99
15) Acrylonitrile	4.99	53	1126937	727.533	ug/l	99
16) Acetone	3.81	43	809211	660.055	ug/l	100
17) Carbon Disulfide	4.06	76	1858738	154.940	ug/l	99
18) Methyl Acetate	4.32	43	522190m	137.631	ug/l	
19) Methyl tert-butyl Ether	5.05	73	1699364	146.743	ug/l	98
20) Methylene Chloride	4.55	84	707038	138.798	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	690518	157.947	ug/l	98
22) Diisopropyl ether	5.95	45	2236836	144.610	ug/l	97
23) Vinyl Acetate	5.90	43	7973526	783.720	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1260953	144.107	ug/l	99
25) 2-Butanone	6.83	43	1281483	674.096	ug/l	98
26) 2,2-Dichloropropane	6.83	77	1016752	148.564	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	776475	146.408	ug/l	98
28) Bromochloromethane	7.20	49	600734	145.018	ug/l	95
29) Tetrahydrofuran	7.21	42	862058	732.903	ug/l	99
30) Chloroform	7.37	83	1275045	146.321	ug/l	99
31) Cyclohexane	7.66	56	1163754	117.799	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1139450	147.416	ug/l	100
36) 1,1-Dichloropropene	7.79	75	995971	152.742	ug/l	99
37) Ethyl Acetate	6.93	43	602219	146.674	ug/l	96
38) Carbon Tetrachloride	7.78	117	1038156	159.361	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1205699	156.128	ug/l	99
40) Benzene	8.04	78	2896975	151.131	ug/l	100
41) Methacrylonitrile	7.18	41	347093m	164.462	ug/l	
42) 1,2-Dichloroethane	8.13	62	916160	148.677	ug/l	99
43) Isopropyl Acetate	8.16	43	1134214	152.448	ug/l	99
44) Trichloroethene	8.84	130	791936	156.047	ug/l	99
45) 1,2-Dichloropropane	9.12	63	769153	151.514	ug/l	98
46) Dibromomethane	9.21	93	471261	145.971	ug/l	95
47) Bromodichloromethane	9.40	83	1000882	158.963	ug/l	97
48) Methyl methacrylate	9.20	41	564776	157.722	ug/l	98
49) 1,4-Dioxane	9.20	88	91099	3152.086	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	2965420	754.446	ug/l	100
52) Toluene	10.16	92	1844400	159.563	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1058748	171.410	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1196104	165.486	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	640387	157.135	ug/l	98
56) Ethyl methacrylate	10.43	69	856928	161.316	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1095489	152.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2332902	816.038	ug/l	99
59) 2-Hexanone	10.75	43	2022661	739.230	ug/l	100
60) Dibromochloromethane	10.90	129	794416	171.411	ug/l	99
61) 1,2-Dibromoethane	11.00	107	673331	162.761	ug/l	100
64) Tetrachloroethene	10.63	164	705138	160.783	ug/l	98
65) Chlorobenzene	11.43	112	2092660	151.666	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	755762	163.101	ug/l	98
67) Ethyl Benzene	11.51	91	3583378	156.362	ug/l	100
68) m/p-Xylenes	11.62	106	2768702	313.105	ug/l	100
69) o-Xylene	11.95	106	1349061	157.313	ug/l	98
70) Styrene	11.96	104	2170434	159.877	ug/l	99
71) Bromoform	12.13	173	489281	182.338	ug/l #	99
73) Isopropylbenzene	12.25	105	3553303	147.419	ug/l	99
74) N-amyl acetate	12.07	43	1048165	137.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	733467	139.020	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	709115m	166.633	ug/l	
77) Bromobenzene	12.53	156	862168	150.001	ug/l	99
78) n-propylbenzene	12.59	91	4081791	148.178	ug/l	100
79) 2-Chlorotoluene	12.67	91	2302133	142.515	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2843344	145.734	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	240983	171.996	ug/l	94
82) 4-Chlorotoluene	12.77	91	2392827	147.380	ug/l	99
83) tert-Butylbenzene	12.99	119	2502430	145.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2869047	147.726	ug/l	100
85) sec-Butylbenzene	13.17	105	3453244	148.239	ug/l	100
86) p-Isopropyltoluene	13.29	119	2985814	152.281	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1525072	150.146	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1533053	151.004	ug/l	99
89) n-Butylbenzene	13.61	91	2616386	154.106	ug/l	99
90) Hexachloroethane	13.87	117	538108	162.843	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1417295	148.683	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	107221	153.952	ug/l	96

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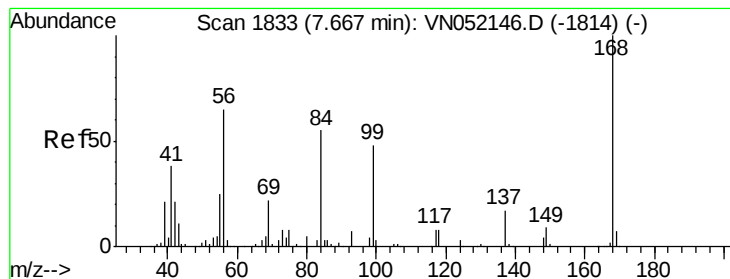
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	711183	160.524	ug/l	98
94) Hexachlorobutadiene	15.01	225	333350	129.426	ug/l	100
95) Naphthalene	15.13	128	1547977	158.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	605433	154.217	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 456339

Ion Ratio Lower Upper

168 100

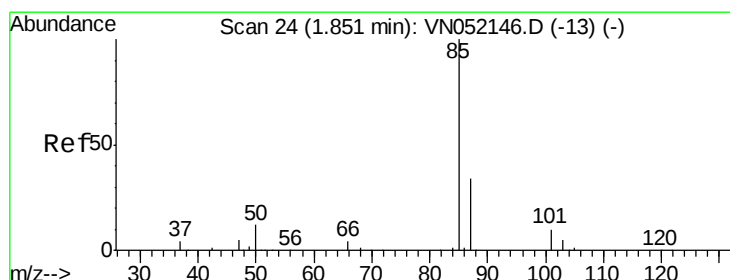
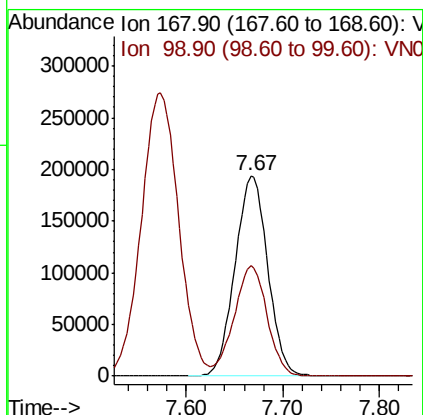
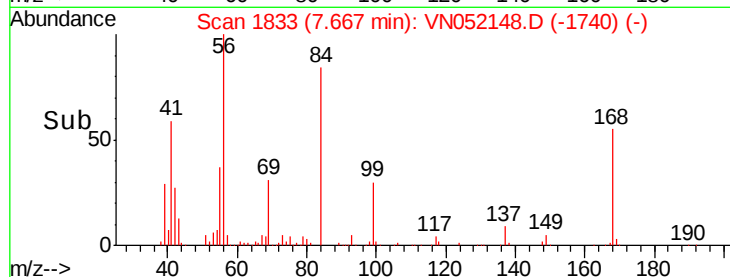
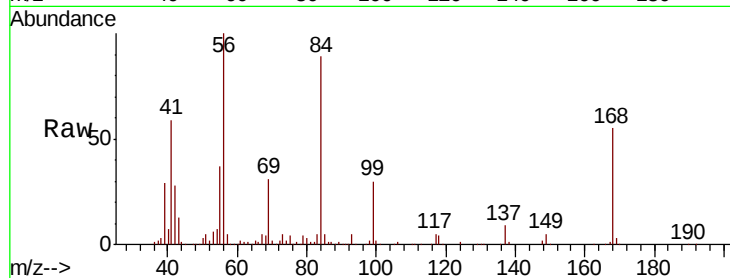
99 54.9 45.4 68.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 150.813 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052148.D

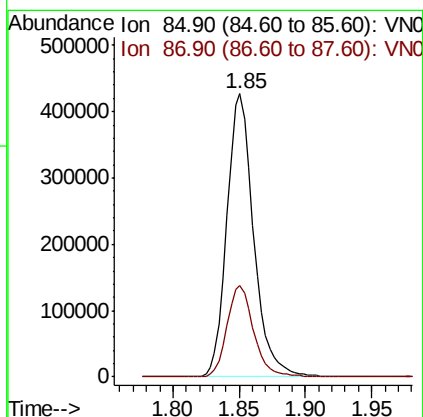
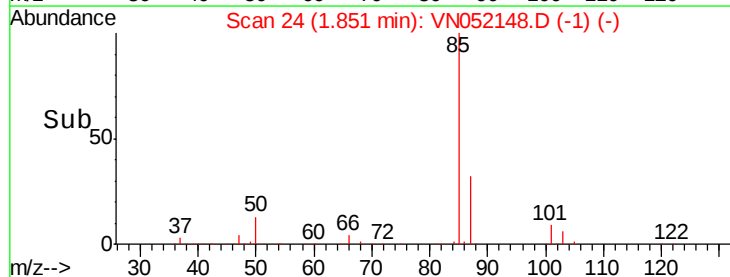
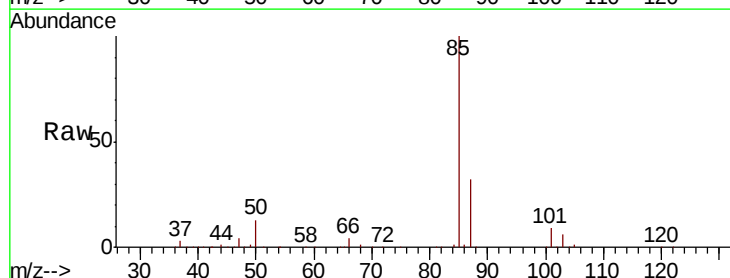
Acq: 5 Nov 2018 14:56

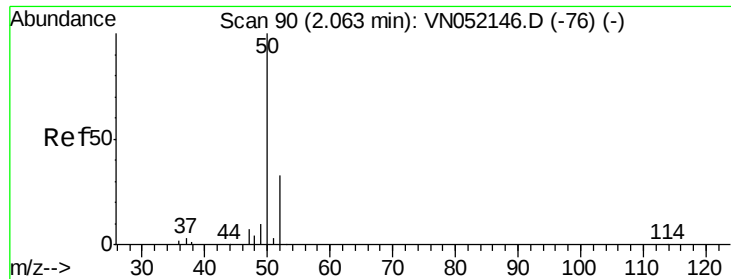
Tgt Ion: 85 Resp: 600131

Ion Ratio Lower Upper

85 100

87 32.3 17.0 51.0





#3

Chloromethane

Concen: 142.481 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 765258

Ion Ratio Lower Upper

50 100

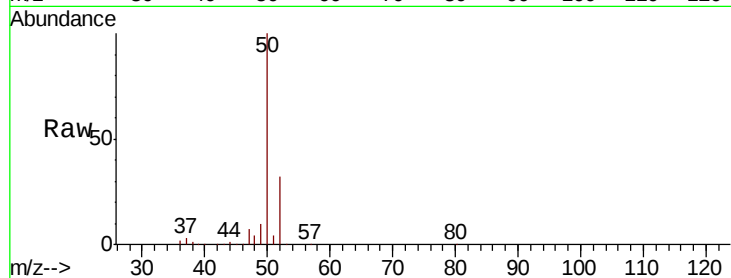
52 32.4 26.2 39.4

Manual Integrations

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11/6/2018 10:00:03 AM



Abundance Ion 49.90 (49.60 to 50.60): VN052148.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052148.D (-1) (-)

2.06

500000

400000

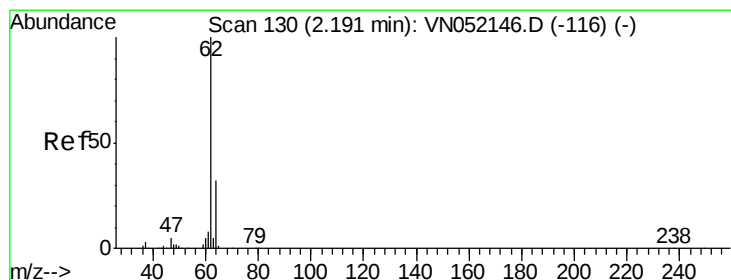
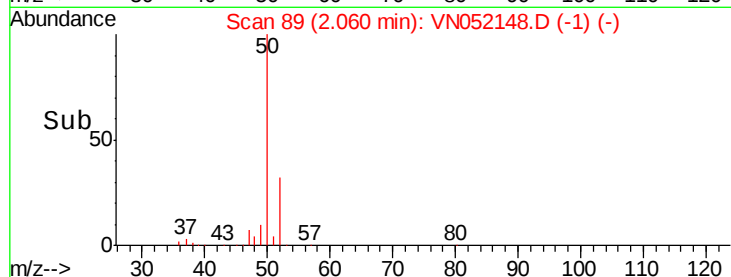
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 143.014 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052148.D

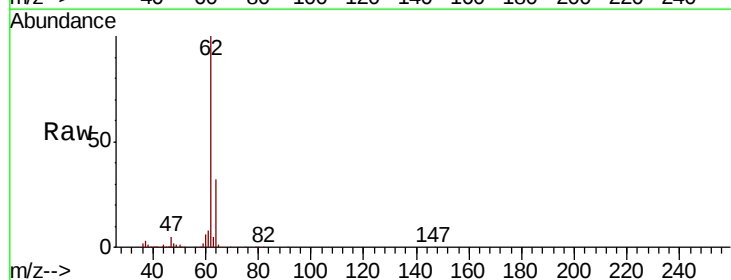
Acq: 5 Nov 2018 14:56

Tgt Ion: 62 Resp: 735690

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN052148.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN052148.D (-37) (-)

2.19

500000

400000

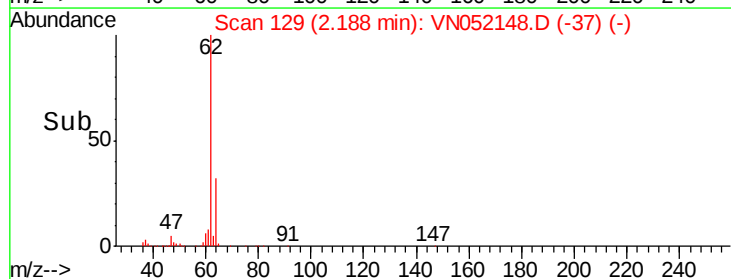
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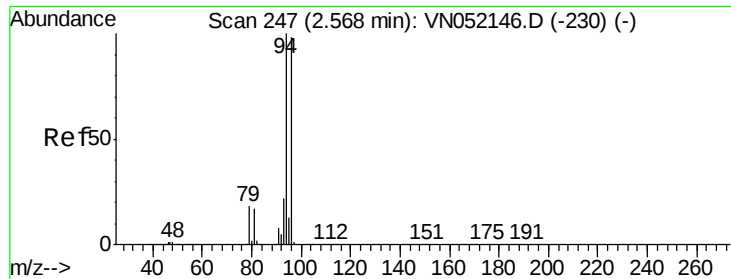
200000

100000

0

Time-->





#5

Bromomethane

Concen: 134.930 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 518909

Ion Ratio Lower Upper

94 100

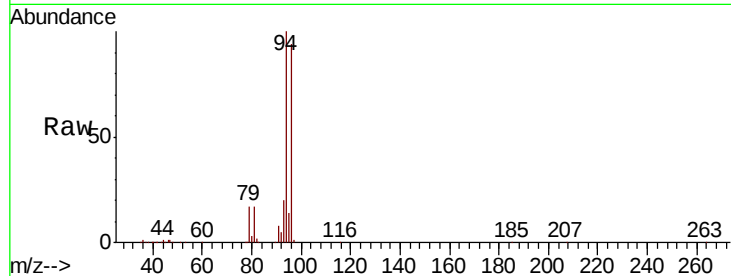
96 94.5 78.3 117.5

Manual Integrations

APPROVED

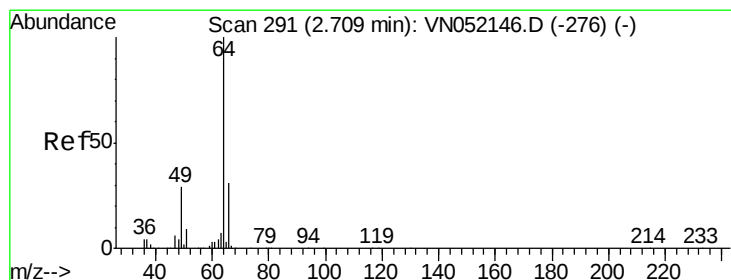
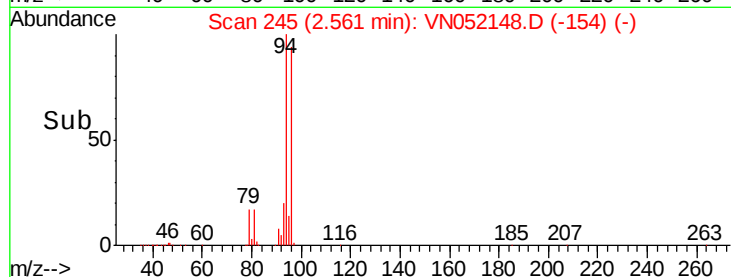
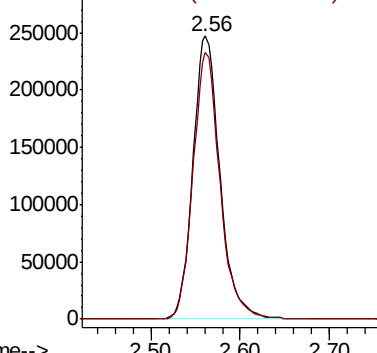
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11/6/2018 10:00:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 139.537 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052148.D

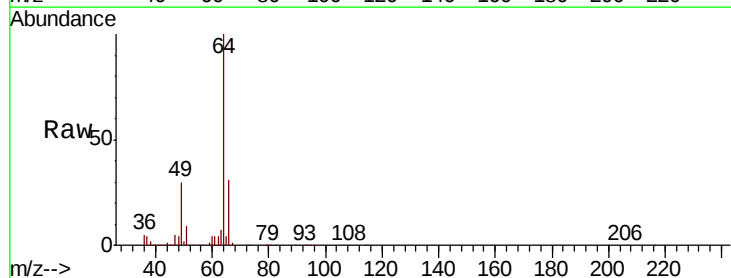
Acq: 5 Nov 2018 14:56

Tgt Ion: 64 Resp: 458963

Ion Ratio Lower Upper

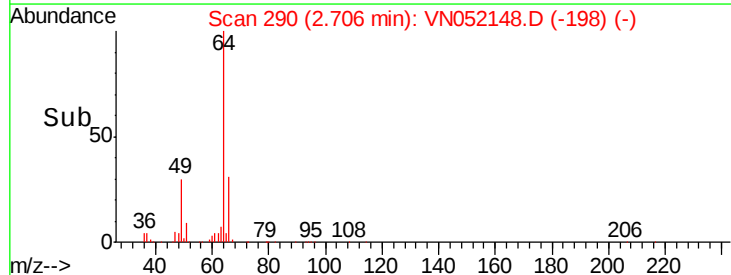
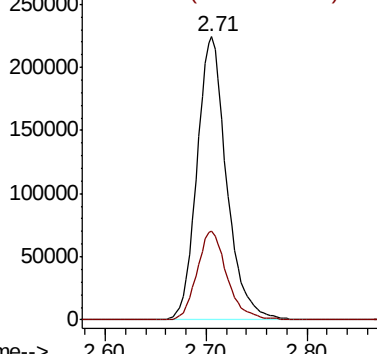
64 100

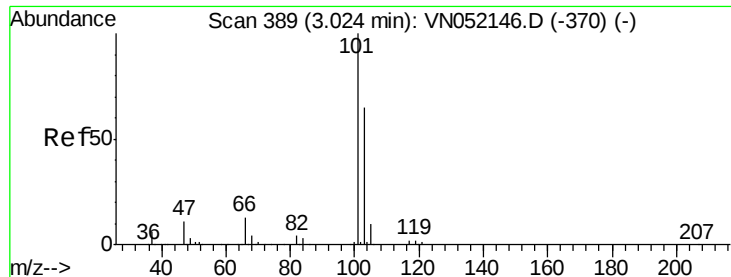
66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

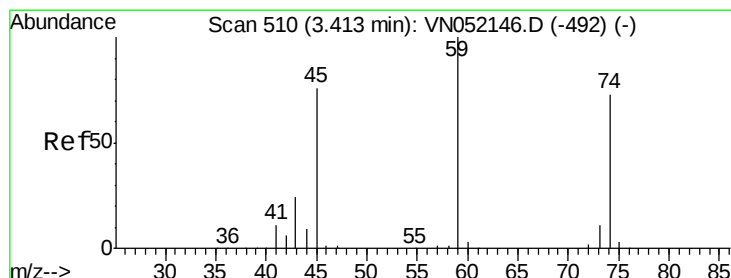
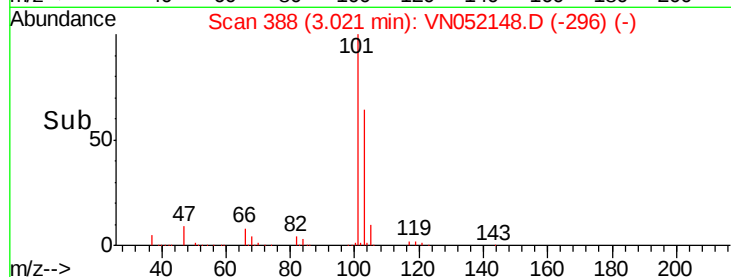
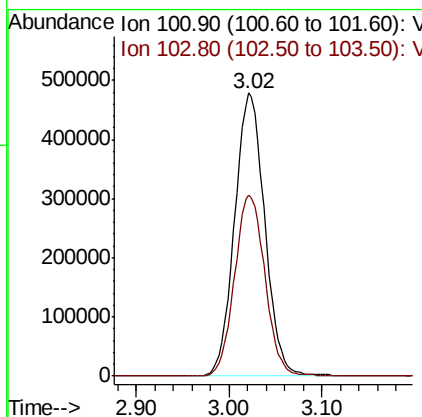
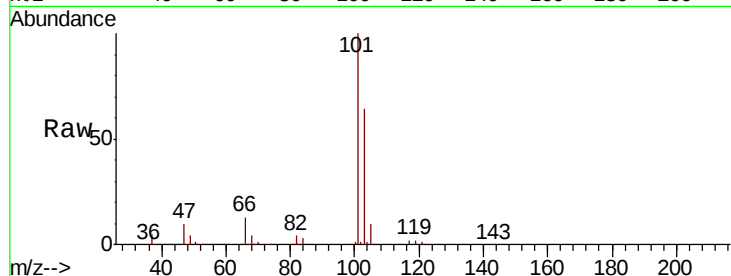
Trichlorofluoromethane
Concen: 144.347 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:101 Resp: 1078626
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4

Manual Integrations
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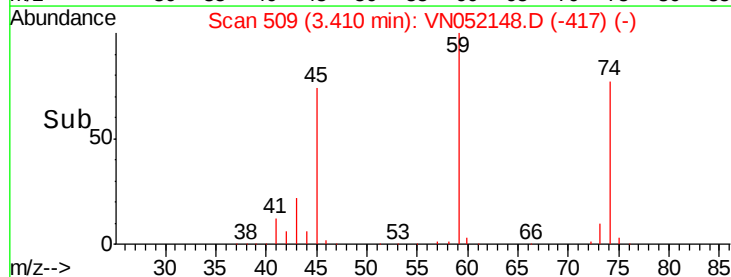
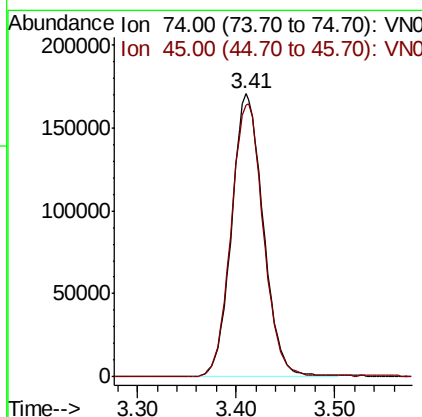
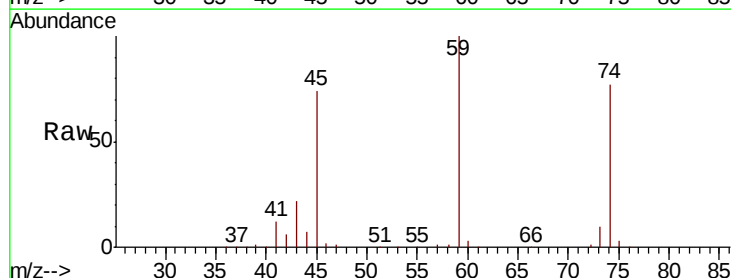
MMDadoda
11/6/2018 10:00:03 AM

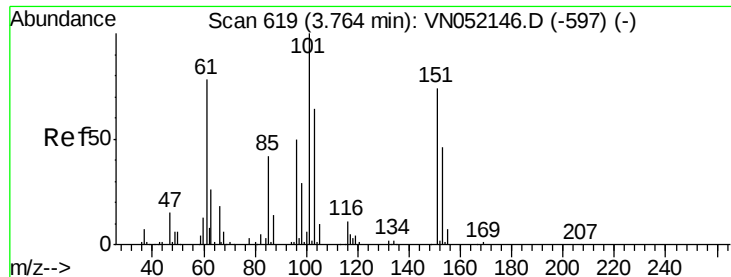


#8

Diethyl Ether
Concen: 145.686 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 74 Resp: 380330
Ion Ratio Lower Upper
74 100
45 98.0 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.635 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

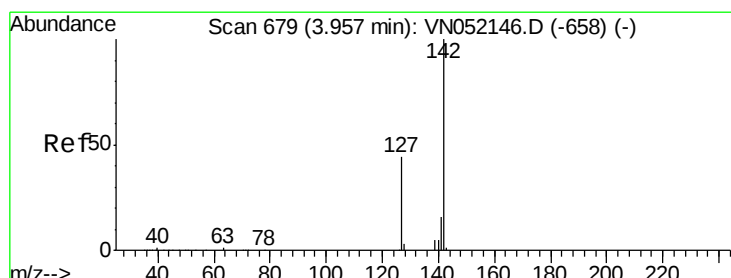
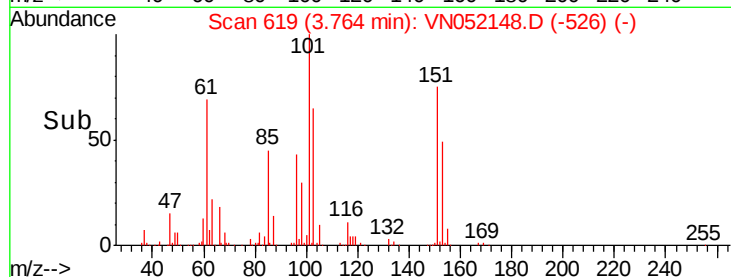
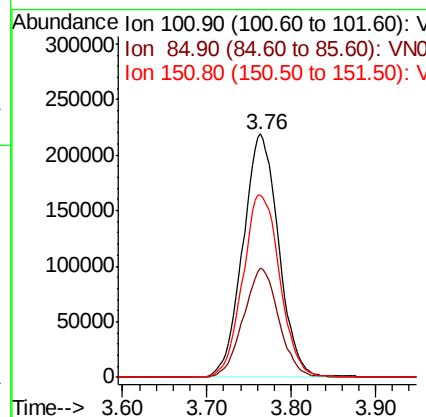
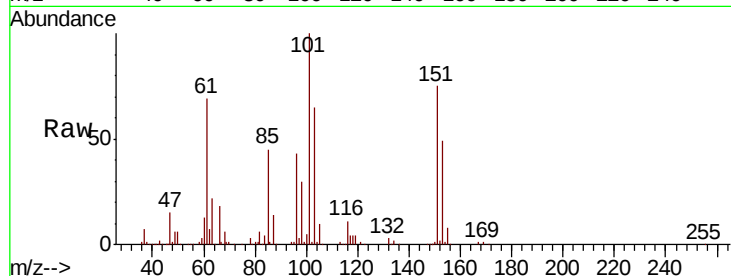
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	645837
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.1	54.1
151	78.0	59.7	89.5

Manual Integrations
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MMDadoda
11/6/2018 10:00:03 AM



#10

Methyl Iodide

Concen: 161.888 ug/l

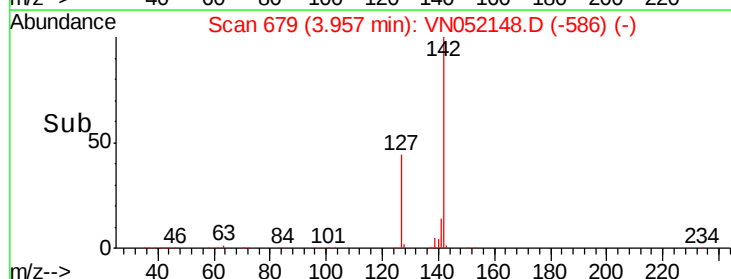
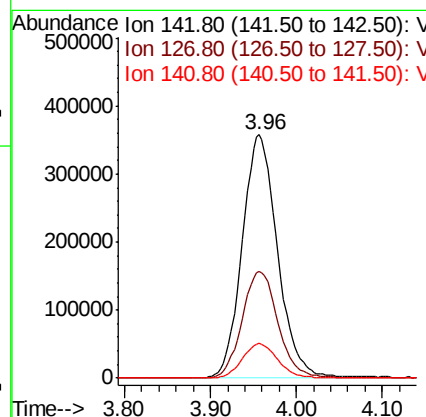
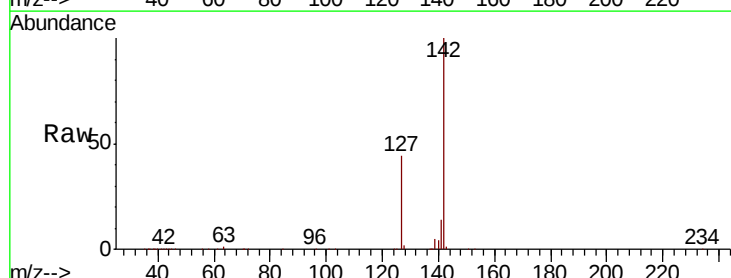
RT: 3.96 min Scan# 679

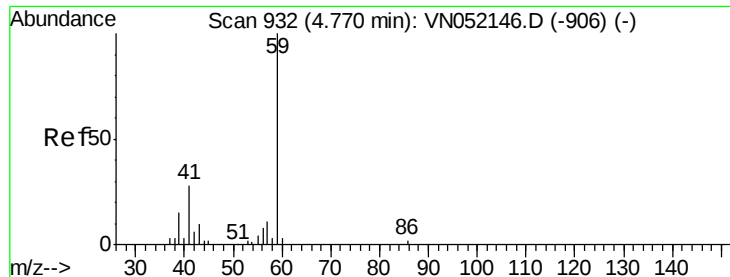
Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Tgt Ion:	142	Resp:	1020609
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.0	54.0
141	14.2	11.8	17.6





#11

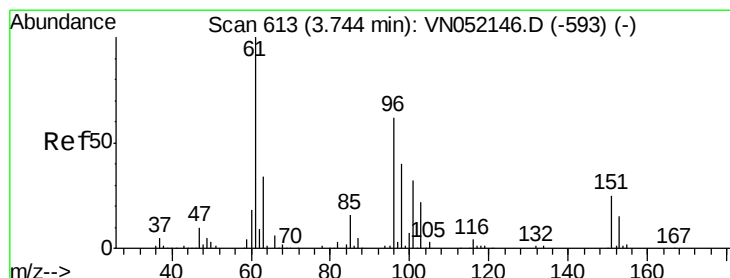
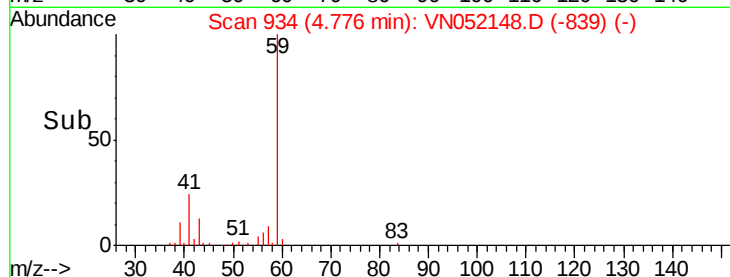
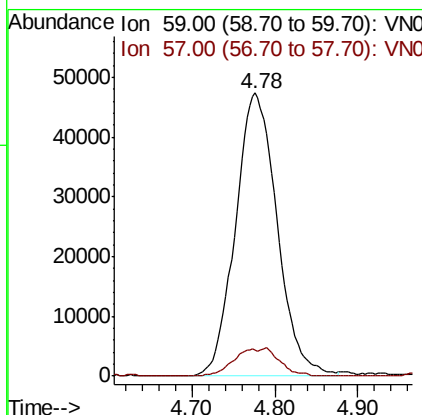
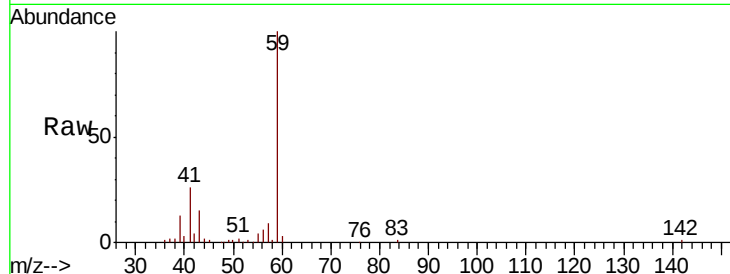
Tert butyl alcohol
 Concen: 704.130 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	59	Resp	165793
Ion Ratio	100	Lower	Upper
57	5.9	5.7	8.5

Manual Integrations
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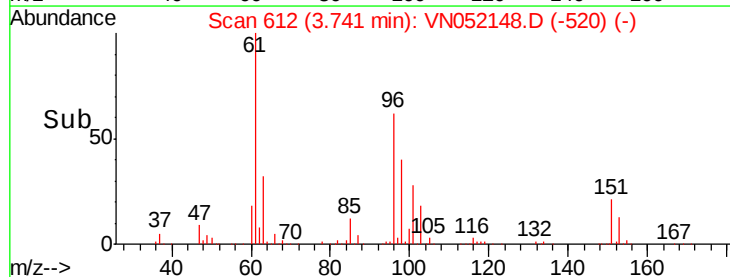
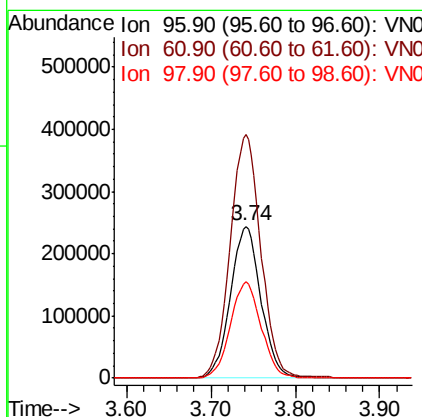
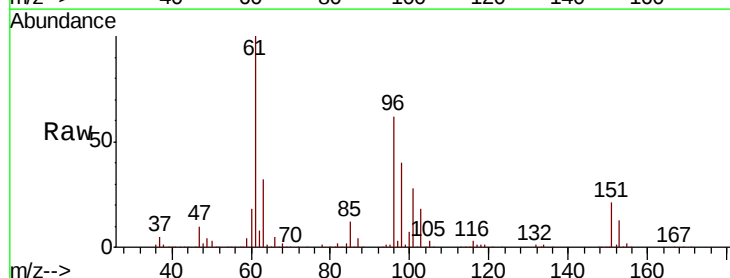
MMDadoda
 11/6/2018 10:00:03 AM

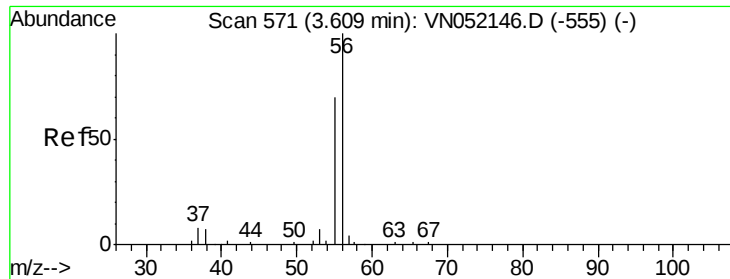


#12

1,1-Dichloroethene
 Concen: 146.276 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion	96	Resp	614936
Ion Ratio	100	Lower	Upper
61	160.3	128.4	192.6
98	63.7	50.9	76.3





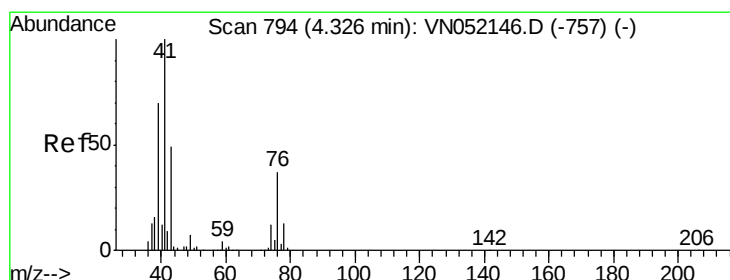
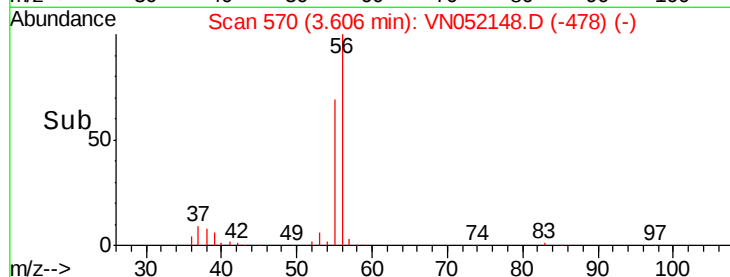
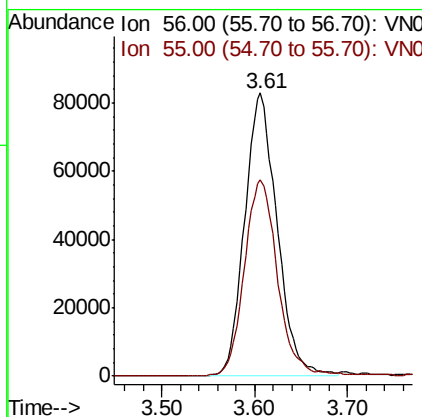
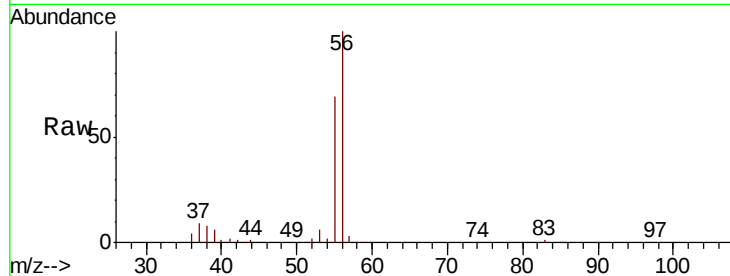
#13
Acrolein
Concen: 953.449 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	84.8

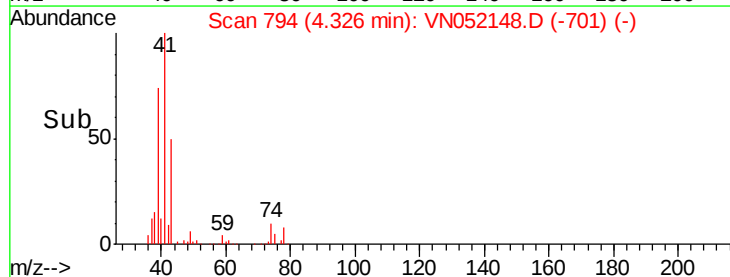
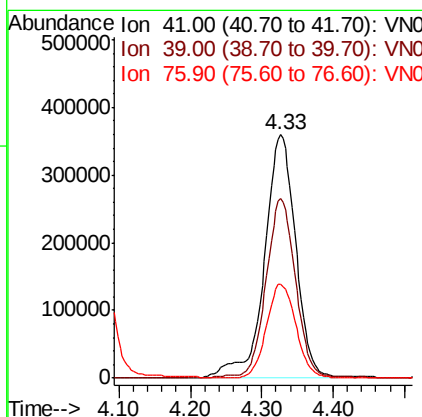
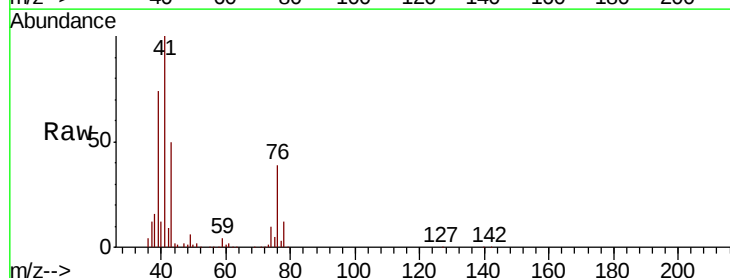
Manual Integrations
APPROVED

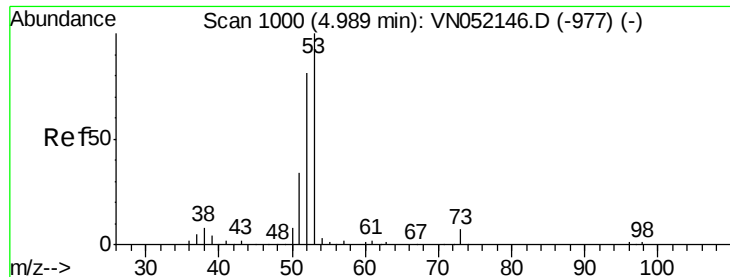
MMDadoda
11/6/2018 10:00:03 AM



#14
Allyl chloride
Concen: 155.097 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.9	55.3	82.9
76	36.0	27.8	41.8





#15

Acrylonitrile

Concen: 727.533 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1126937

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	35.9	29.2	43.8

53 100

52 82.4 66.5 99.7

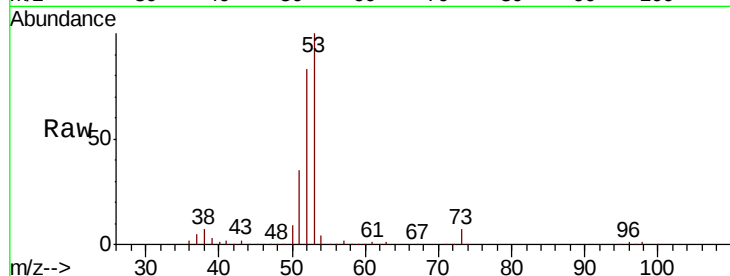
51 35.9 29.2 43.8

Manual Integrations

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MMDadoda

11/6/2018 10:00:03 AM



Abundance Ion 53.00 (52.70 to 53.70): VN052148.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN052148.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN052148.D (-907) (-)

4.99

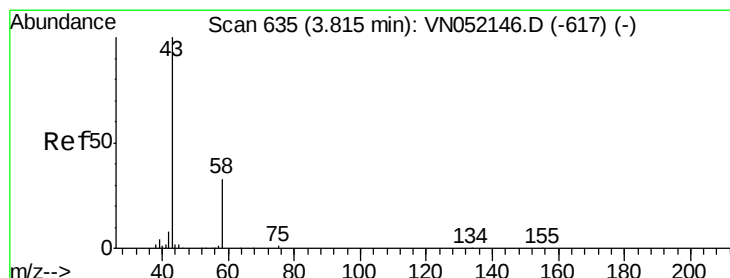
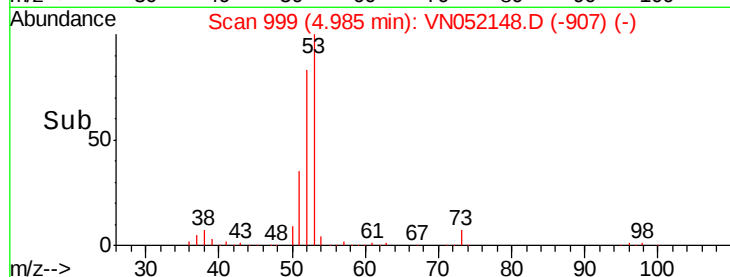
300000

200000

100000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 660.055 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052148.D

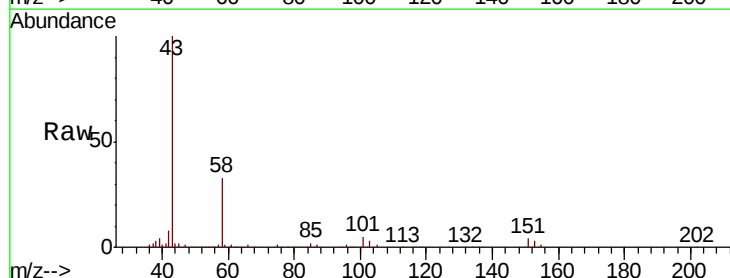
Acq: 5 Nov 2018 14:56

Tgt Ion: 43 Resp: 809211

Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.2	39.2

43 100

58 32.6 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VN052148.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052148.D (-542) (-)

3.81

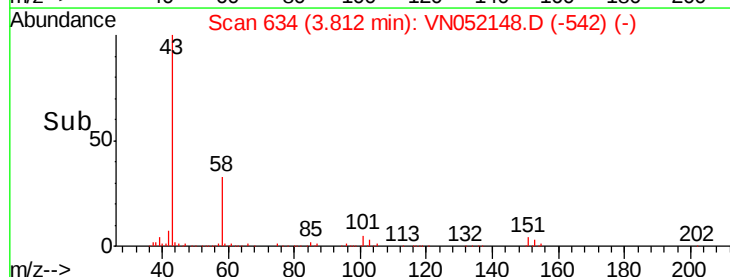
300000

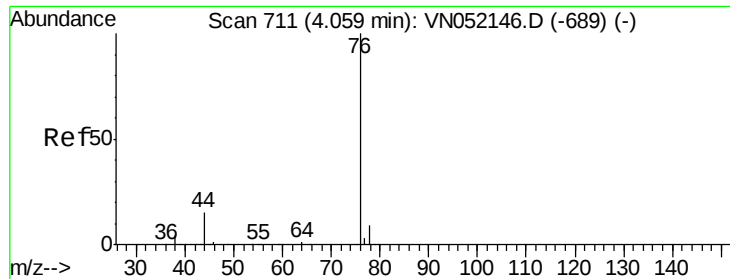
200000

100000

0

Time--> 3.70 3.80 3.90





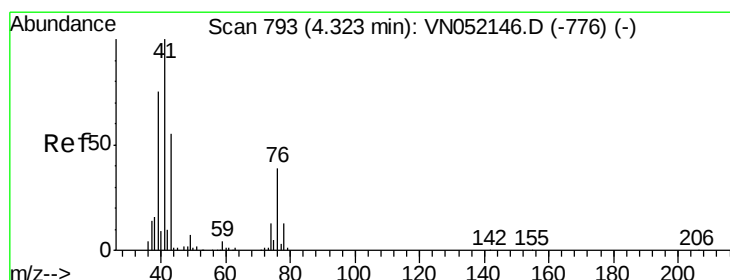
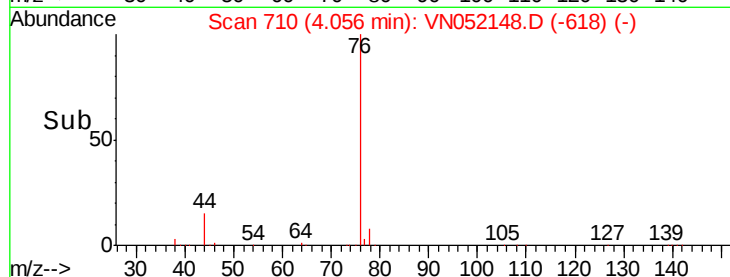
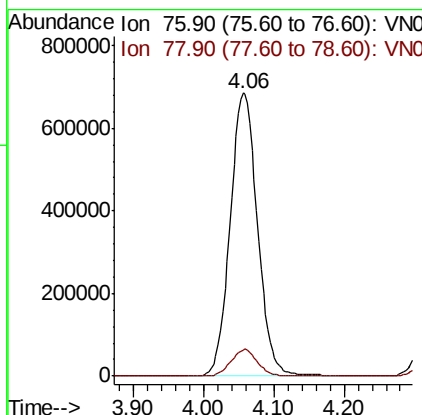
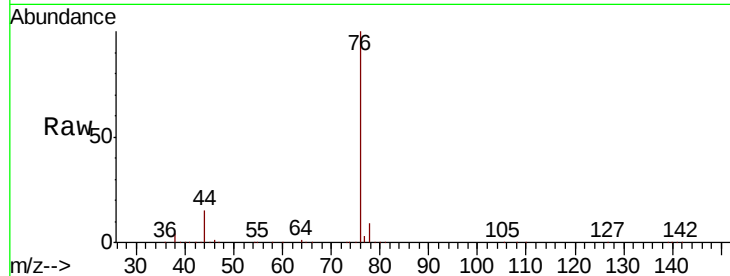
#17
Carbon Disulfide
Concen: 154.940 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 76 Resp: 1858738
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

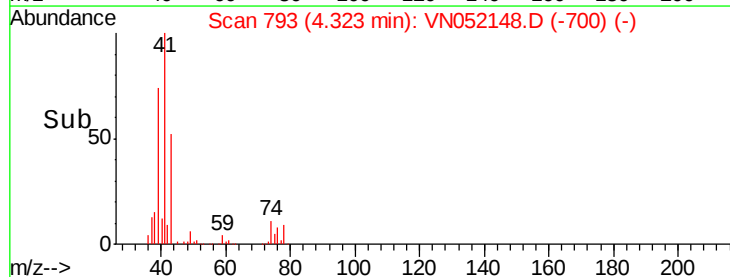
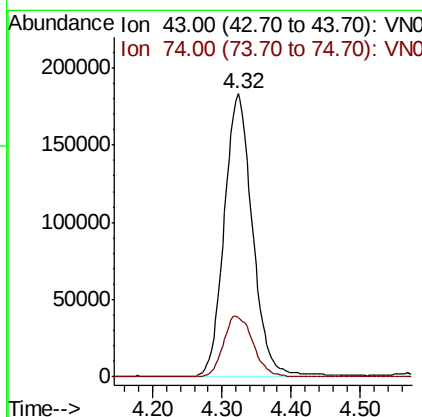
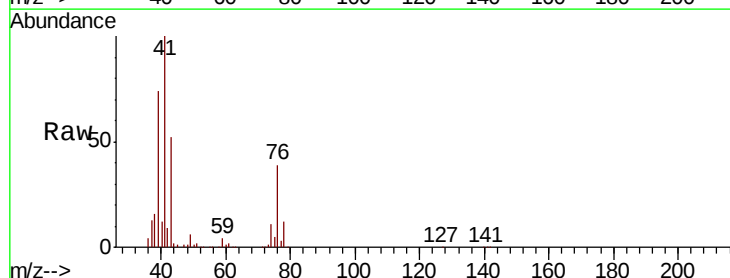
Manual Integrations
APPROVED

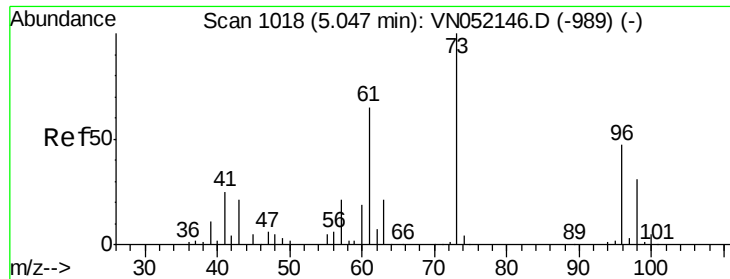
MMDadoda
11/6/2018 10:00:03 AM



#18
Methyl Acetate
Concen: 137.631 ug/l m
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 43 Resp: 522190
Ion Ratio Lower Upper
43 100
74 22.5 19.3 28.9





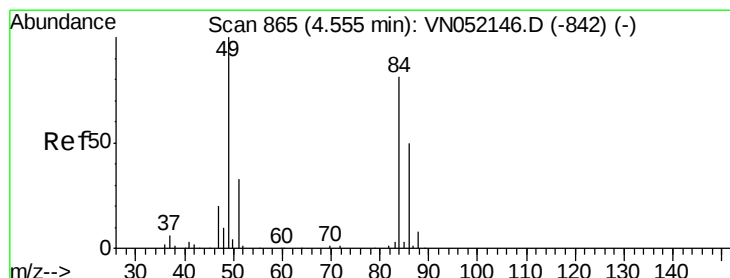
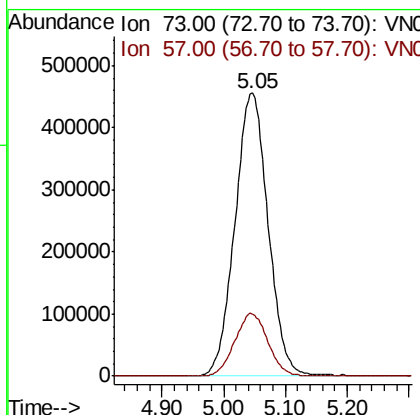
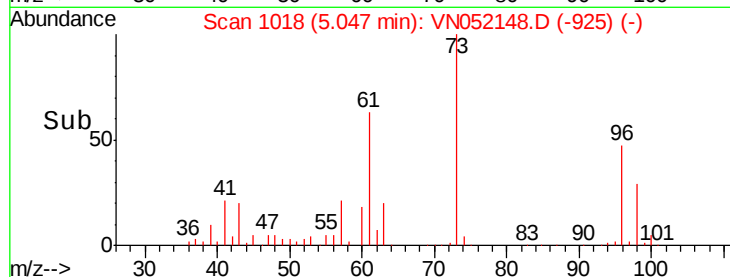
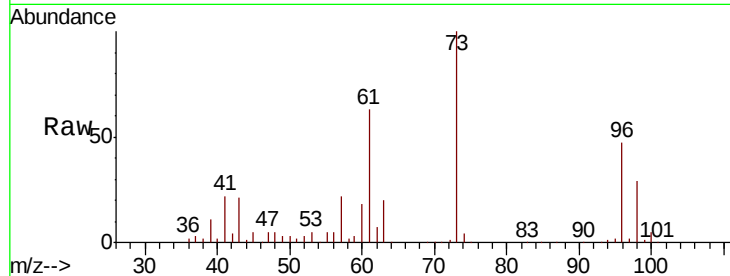
#19
Methyl tert-butyl Ether
Concen: 146.743 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 1699364
Ion Ratio Lower Upper
73 100
57 21.8 16.8 25.2

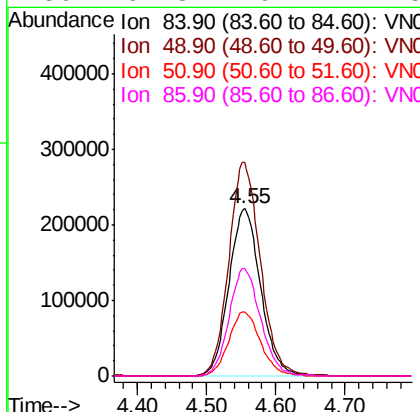
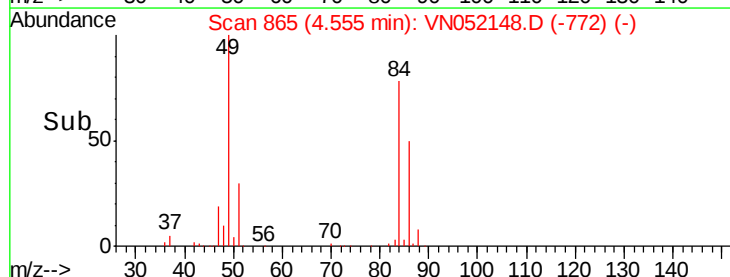
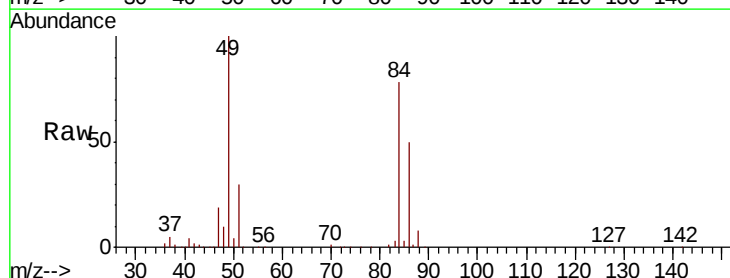
Manual Integrations
APPROVED

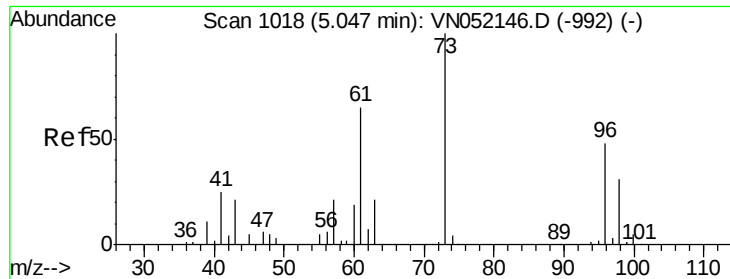
MMDadoda
11/6/2018 10:00:03 AM



#20
Methylene Chloride
Concen: 138.798 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 84 Resp: 707038
Ion Ratio Lower Upper
84 100
49 127.6 98.4 147.6
51 38.3 32.5 48.7
86 64.3 49.7 74.5





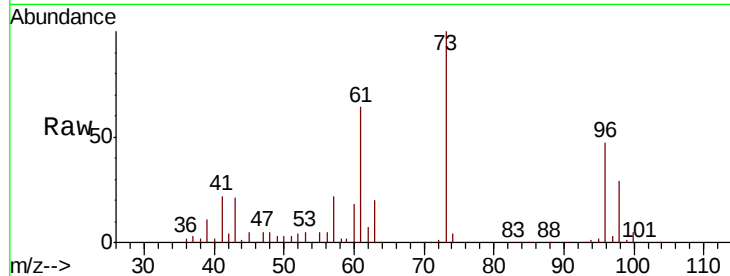
#21
trans-1,2-Dichloroethene
Concen: 157.947 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	109.6	164.4
98	61.4	52.0	78.0

Manual Integrations
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MMDadoda
11/6/2018 10:00:03 AM

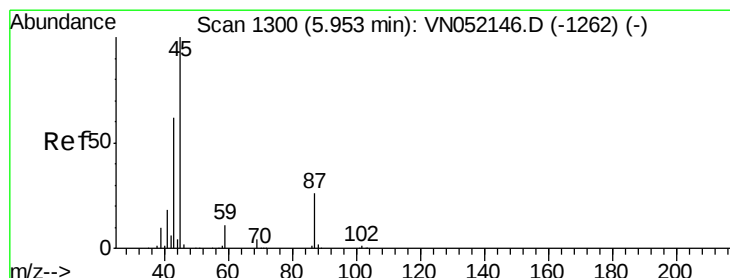
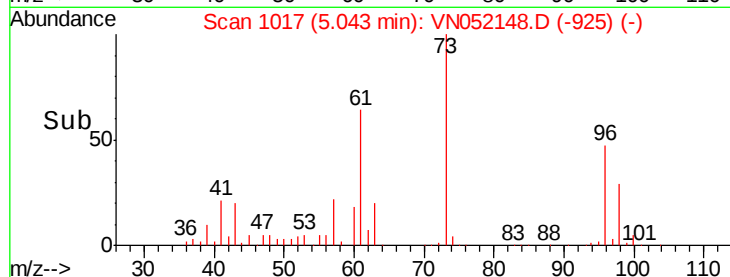
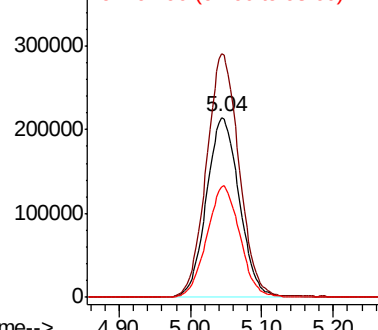


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 144.610 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	49.8	74.6
87	27.2	21.1	31.7
59	11.3	8.9	13.3

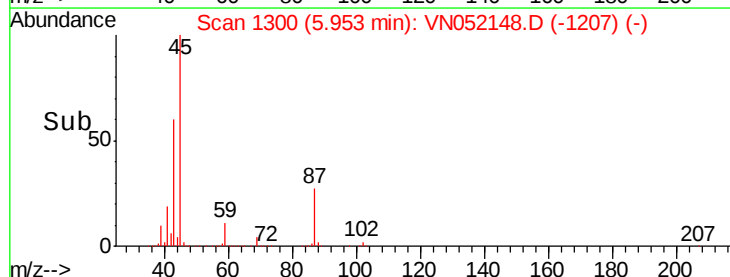
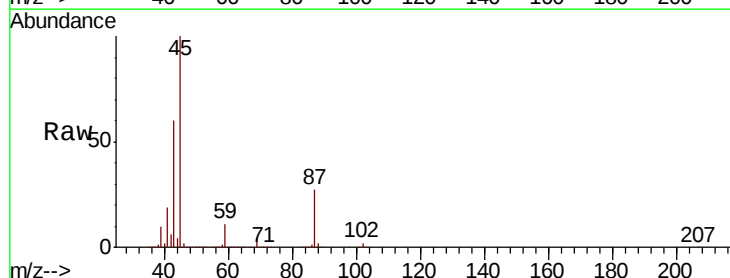
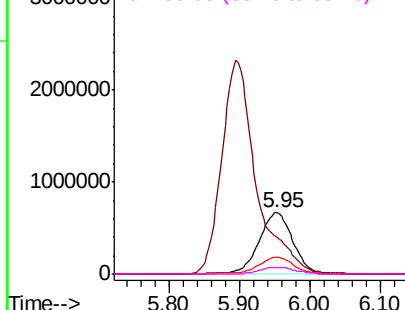
Abundance

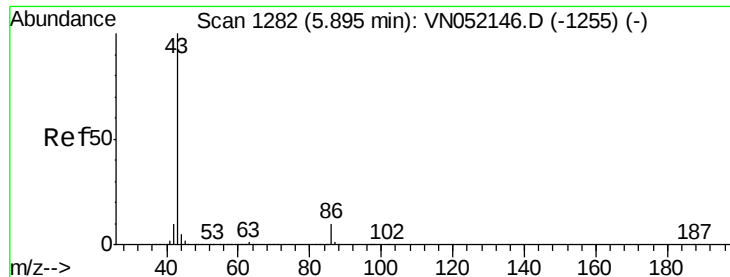
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 783.720 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 7973526

Ion Ratio Lower Upper

43 100

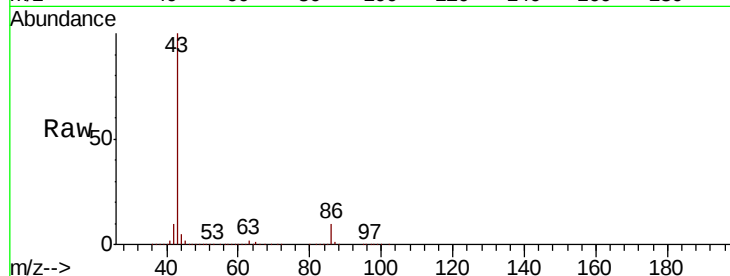
86 9.8 7.9 11.9

Manual Integrations

APPROVED

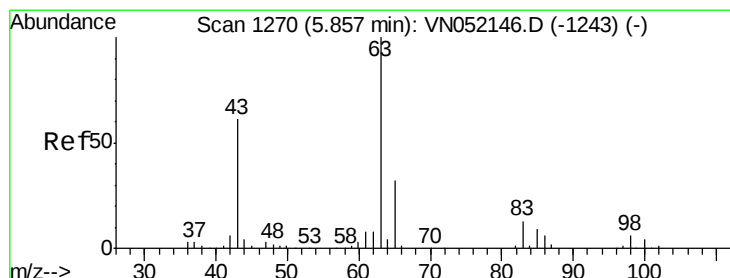
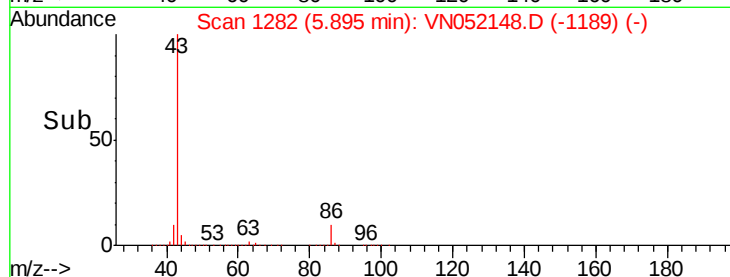
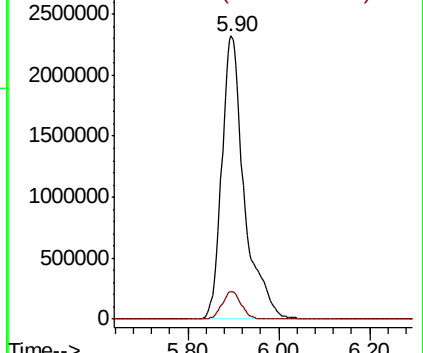
MMDadoda

11/6/2018 10:00:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 144.107 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

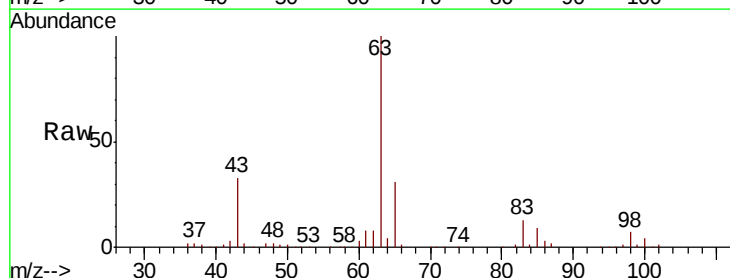
Tgt Ion: 63 Resp: 1260953

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

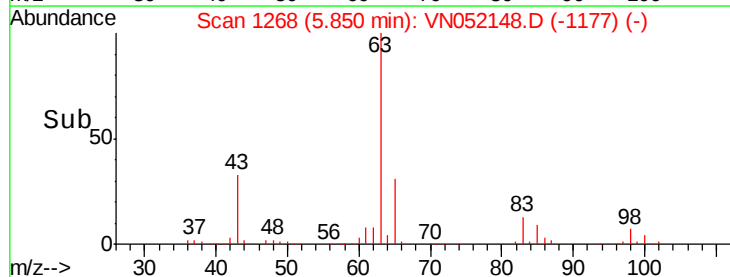
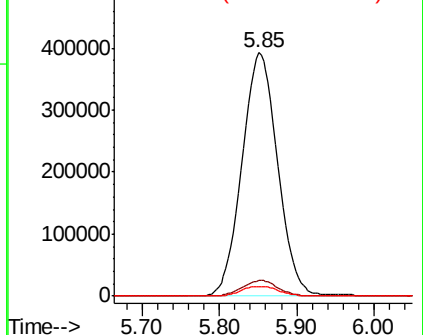
100 3.9 2.1 6.2

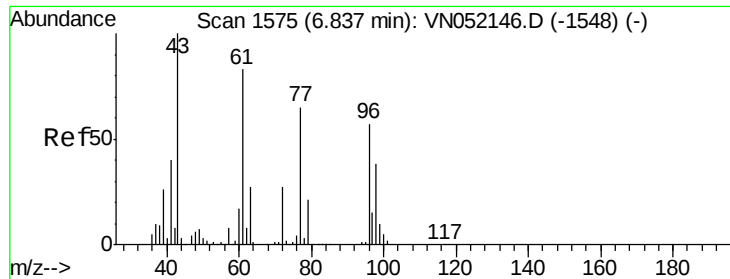


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 674.096 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1281483

Ion Ratio Lower Upper

43 100

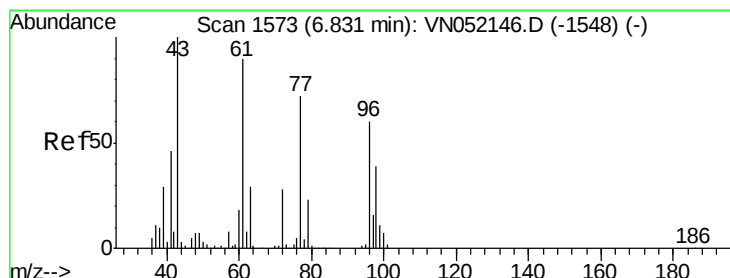
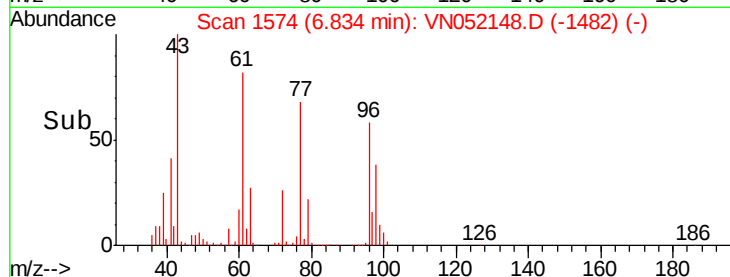
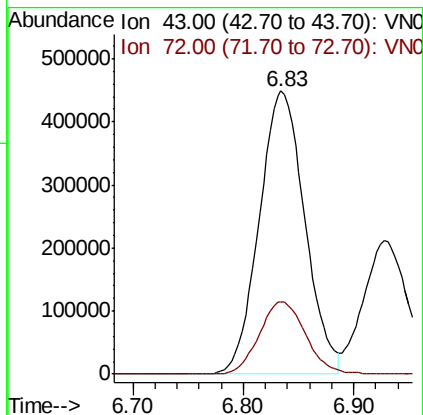
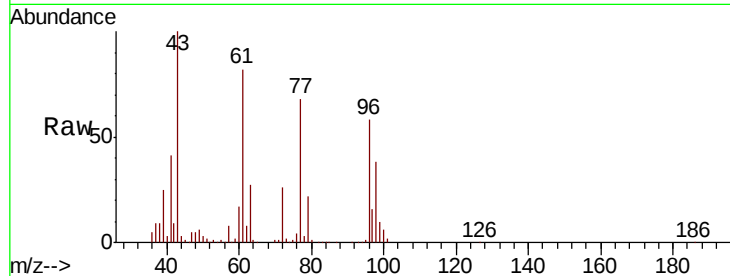
72 25.7 21.4 32.2

Manual Integrations

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MMDadoda

11/6/2018 10:00:03 AM



#26

2,2-Dichloropropane

Concen: 148.564 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052148.D

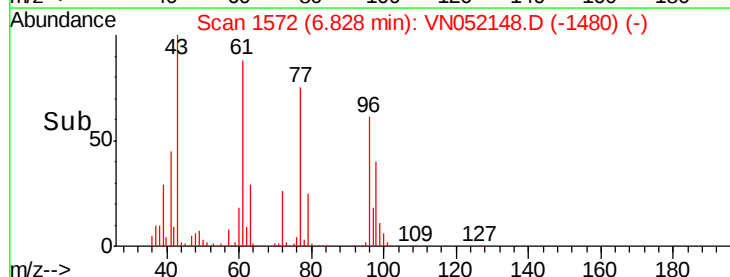
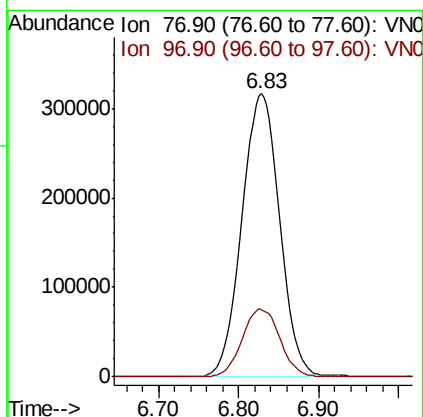
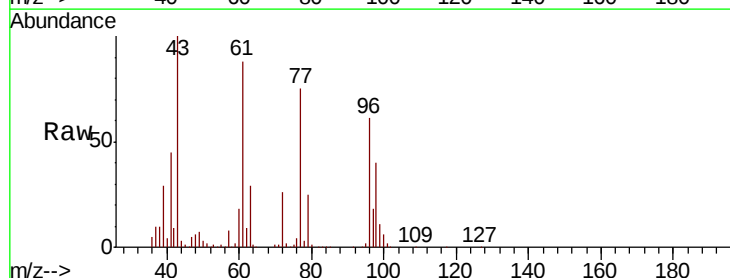
Acq: 5 Nov 2018 14:56

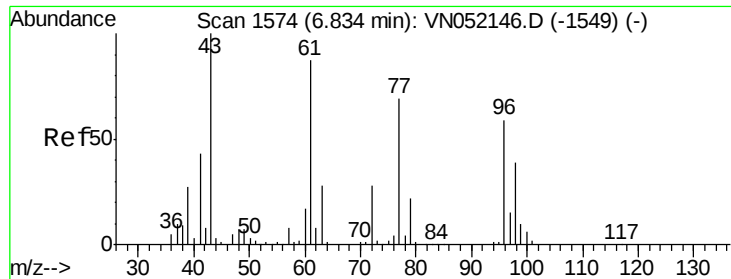
Tgt Ion: 77 Resp: 1016752

Ion Ratio Lower Upper

77 100

97 23.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 146.408 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

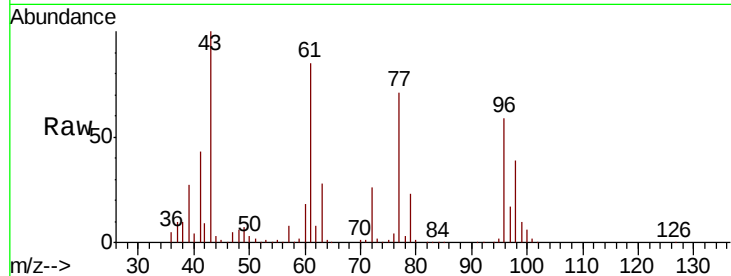
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	776475
Ion Ratio	Lower	Upper	
96	100		
61	143.1	0.0	291.8
98	65.9	0.0	130.0

Manual Integrations
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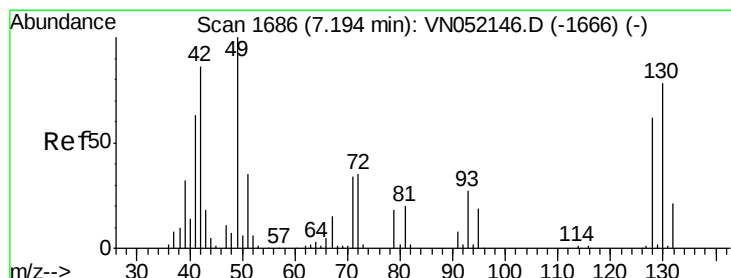
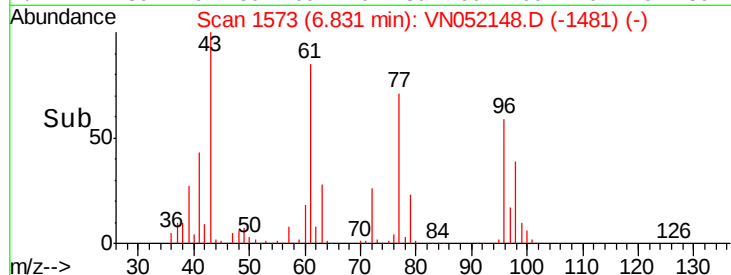
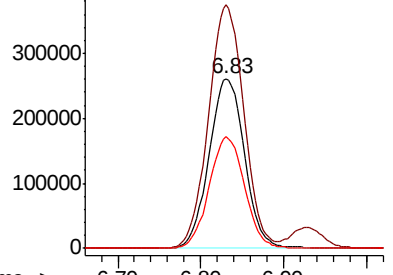
MMDadoda
11/6/2018 10:00:03 AM



Abundance Ion 95.90 (95.60 to 96.60): VN052148.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN052148.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN052148.D (-1549) (-)



#28

Bromochloromethane

Concen: 145.018 ug/l

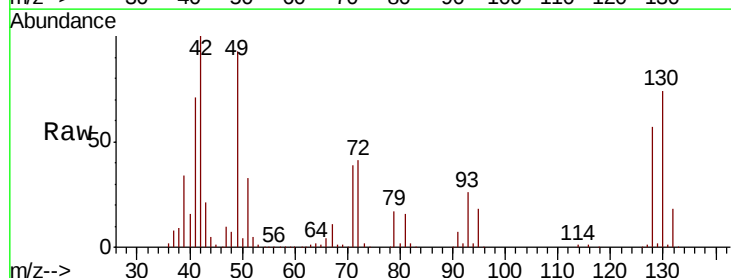
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

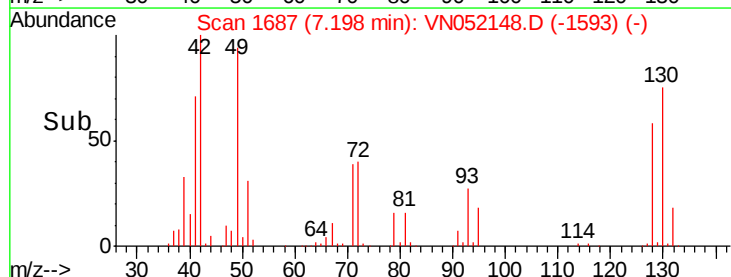
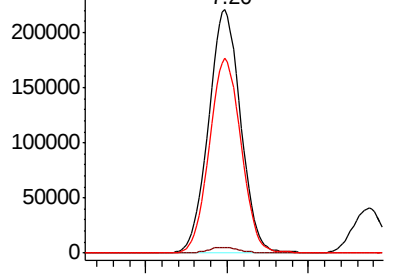
Tgt Ion:	49	Resp:	600734
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.4
130	79.5	59.8	89.6

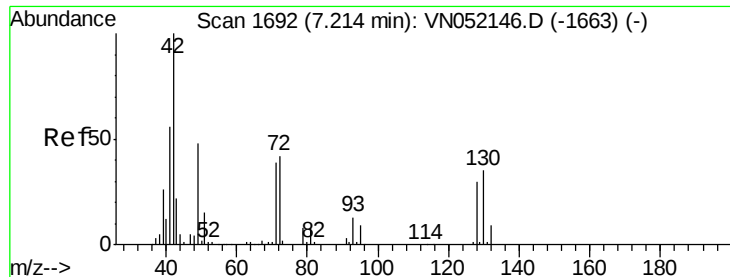


Abundance Ion 48.90 (48.60 to 49.60): VN052148.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052148.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052148.D (-1593) (-)





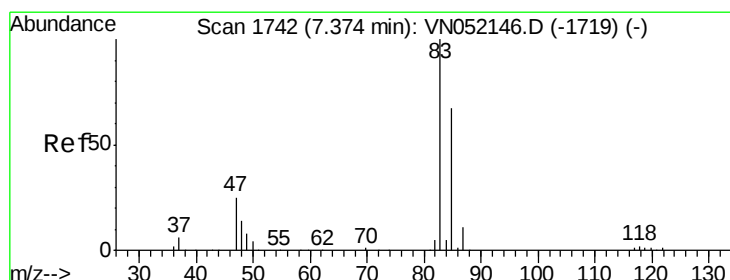
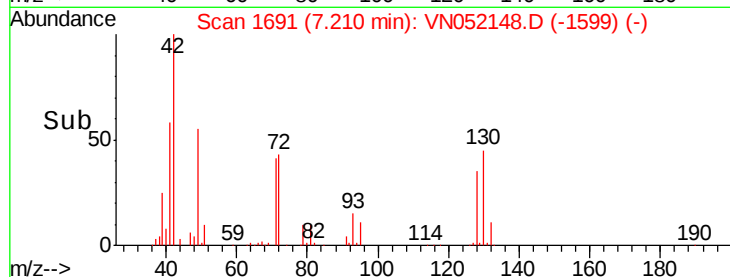
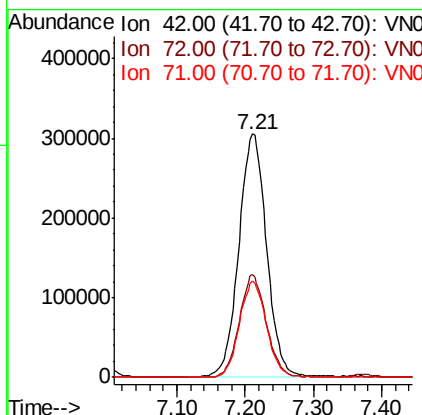
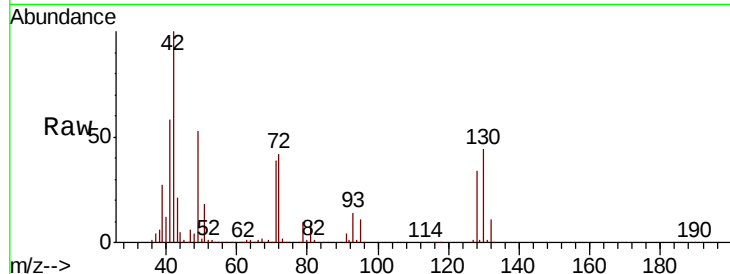
#29
Tetrahydrofuran
Concen: 732.903 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.3	48.5
71	38.4	31.0	46.6

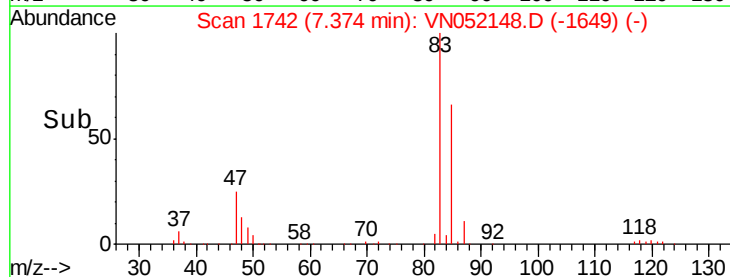
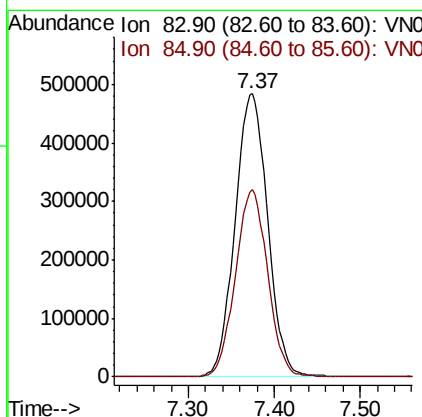
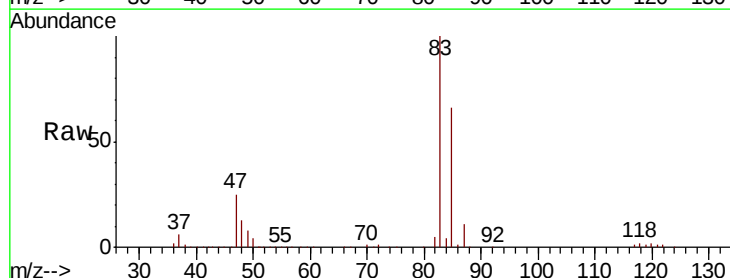
Manual Integrations
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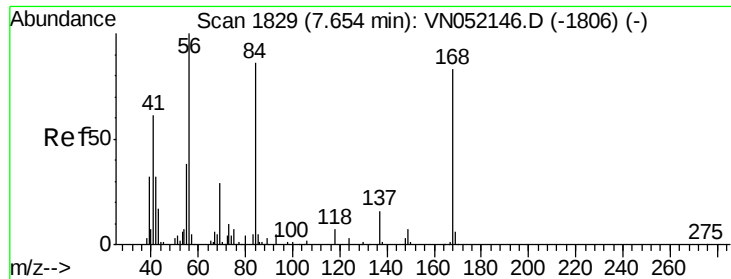
MMDadoda
11/6/2018 10:00:03 AM



#30
Chloroform
Concen: 146.321 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.7	80.5





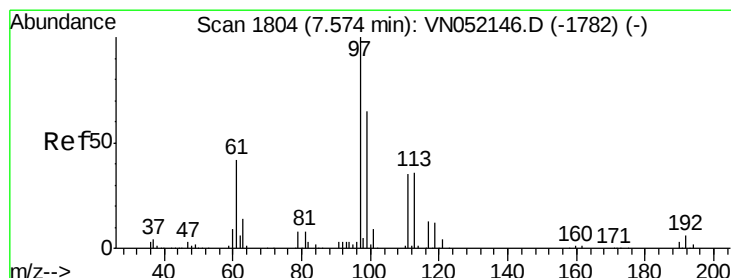
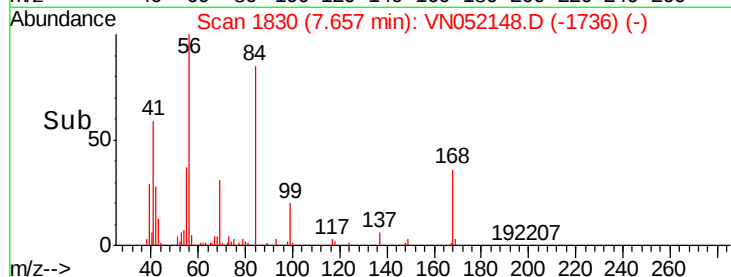
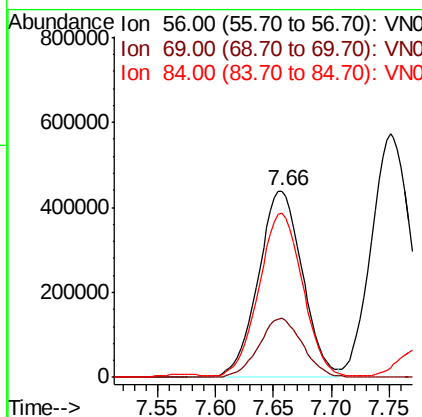
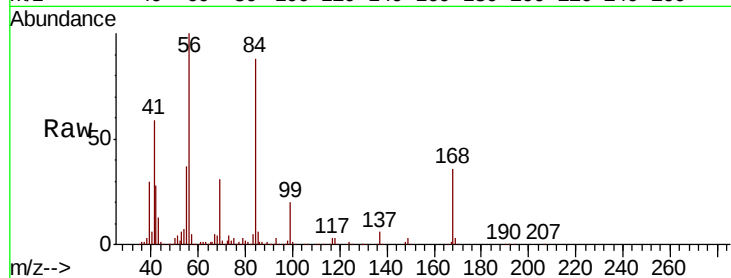
#31
Cvclohexane
Concen: 117.799 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 1163754
Ion Ratio Lower Upper
56 100
69 31.5 23.5 35.3
84 86.4 68.7 103.1

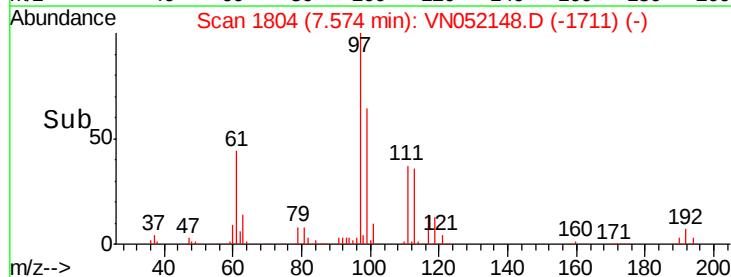
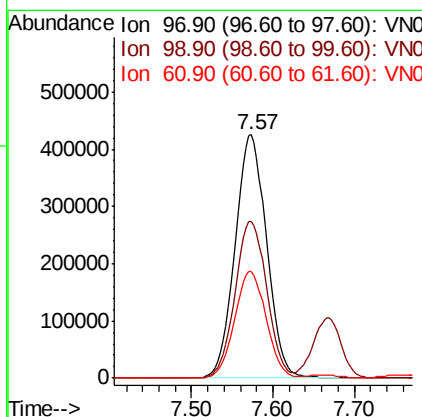
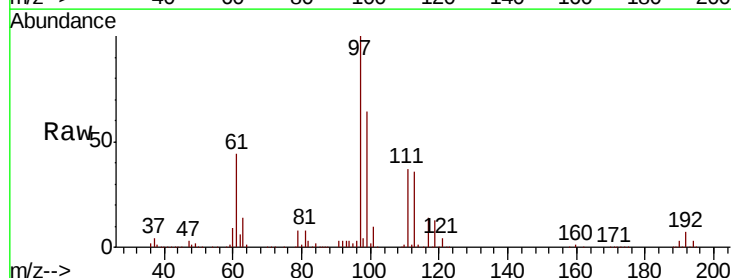
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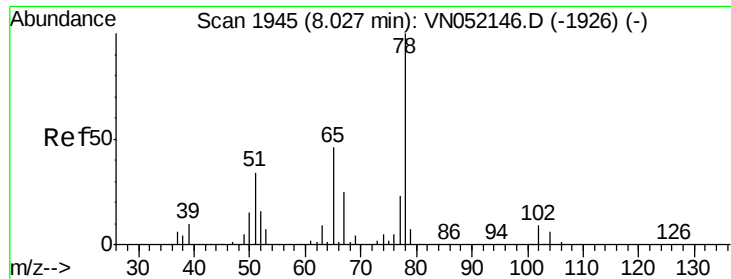
MMDadoda
11/6/2018 10:00:03 AM



#32
1,1,1-Trichloroethane
Concen: 147.416 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 97 Resp: 1139450
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 44.0 35.1 52.7





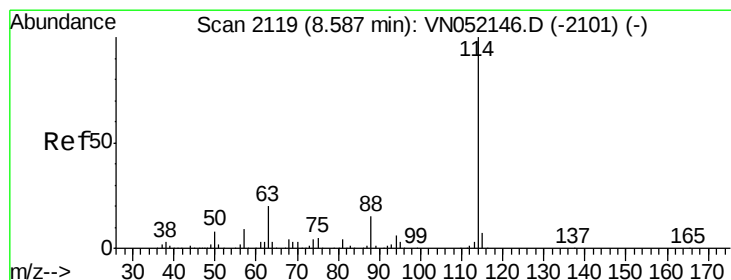
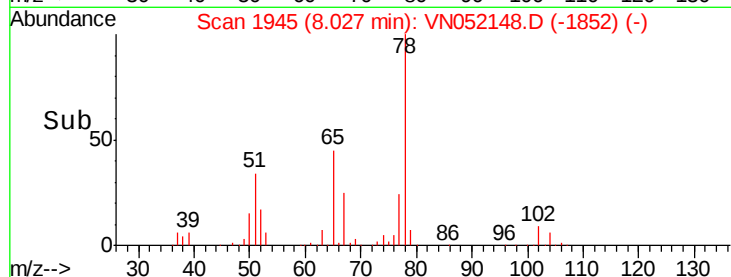
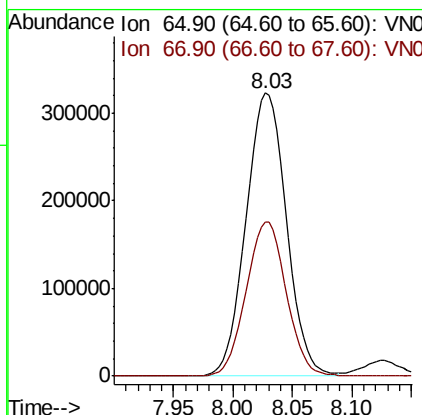
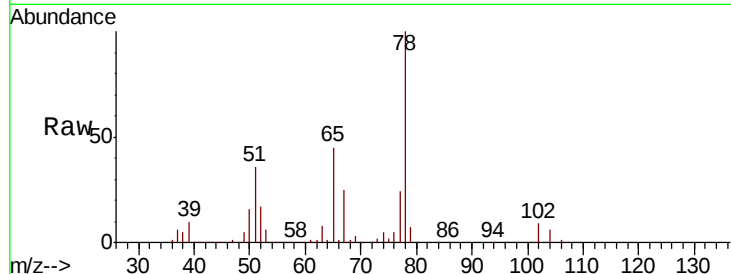
#33
 1,2-Dichloroethane-d4
 Concen: 147.416 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	760007		
67	54.2	0.0	107.6	

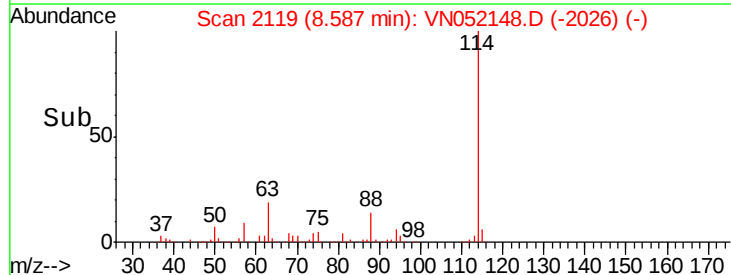
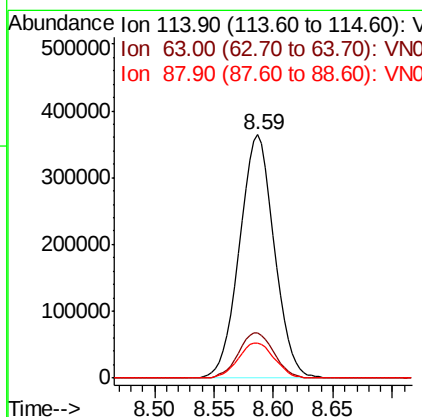
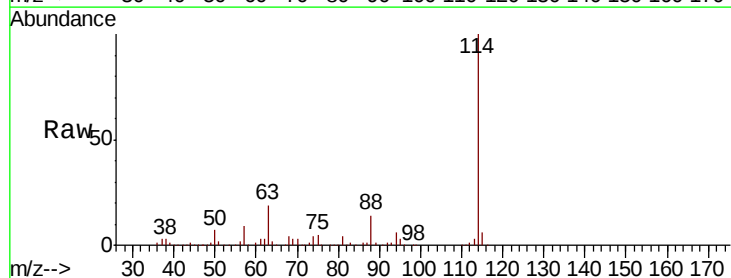
Manual Integrations
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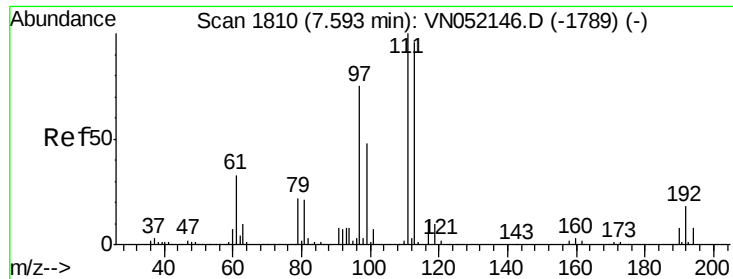
MMDadoda
 11/6/2018 10:00:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	737097		
63	18.6	0.0	40.0	
88	14.3	0.0	31.0	





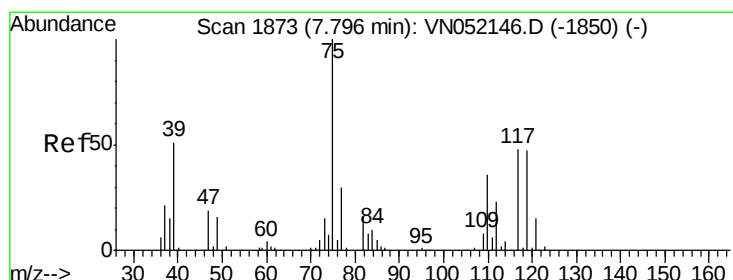
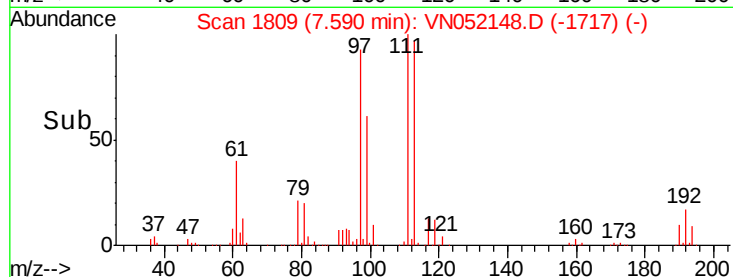
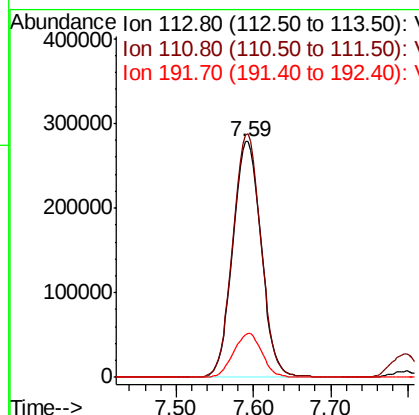
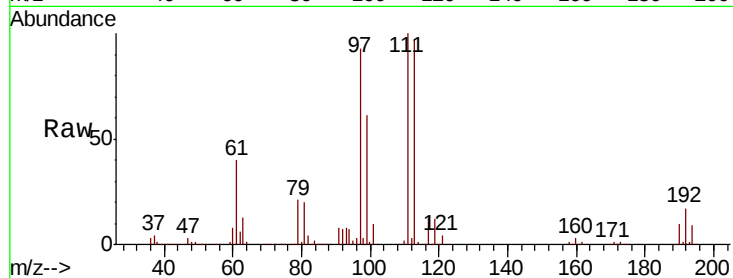
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.7	122.5	
192	18.7	14.2	21.4	

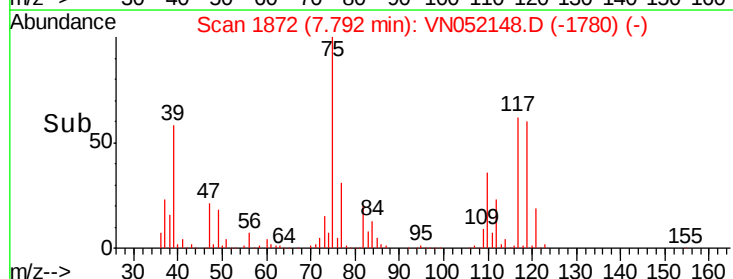
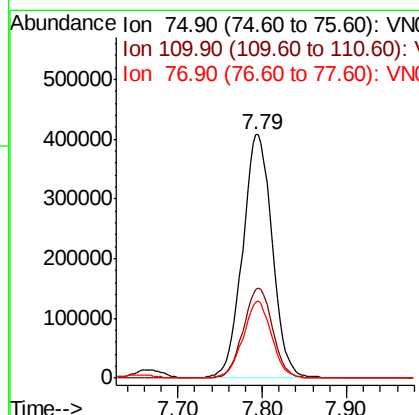
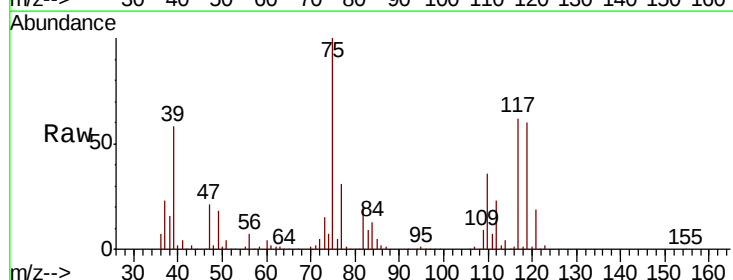
Manual Integrations
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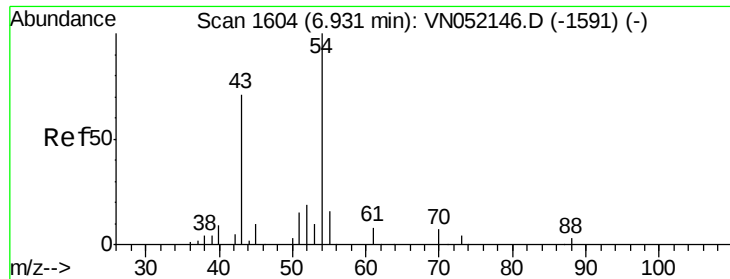
MMDadoda
11/6/2018 10:00:03 AM



#36
1,1-Dichloropropene
Concen: 152.742 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	17.8	53.5	
77	30.6	24.0	36.0	





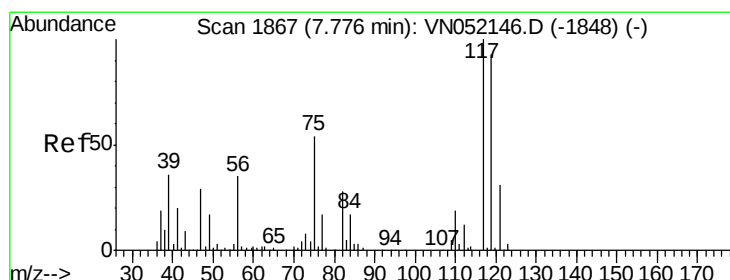
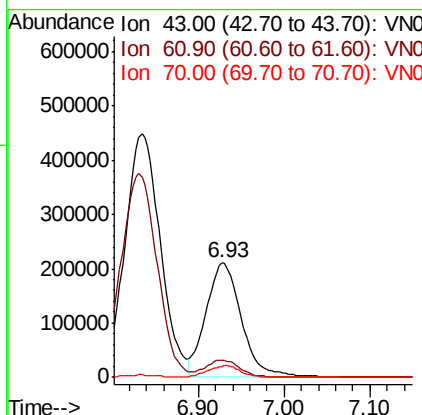
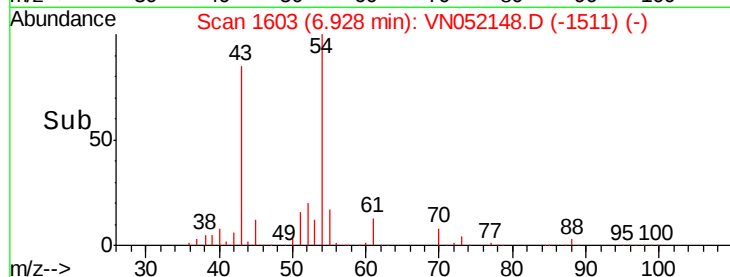
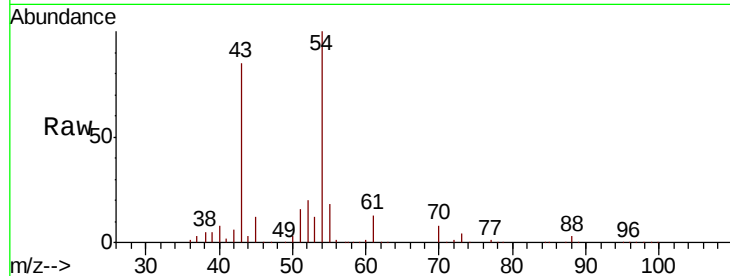
#37
Ethyl Acetate
Concen: 146.674 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.4	14.2
70	9.3	7.6	11.4

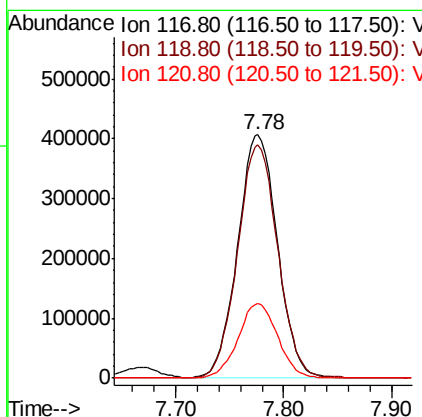
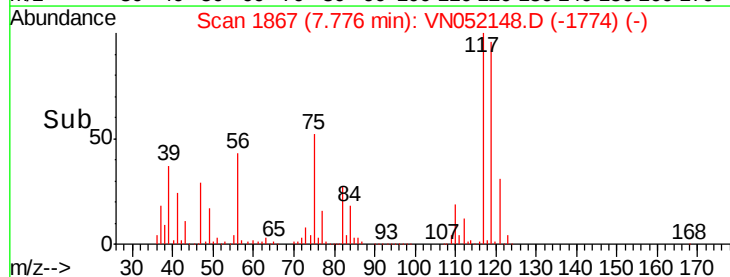
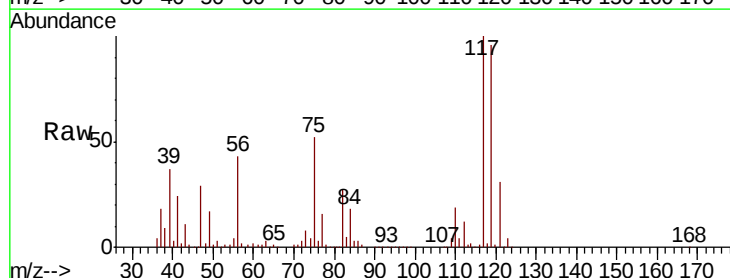
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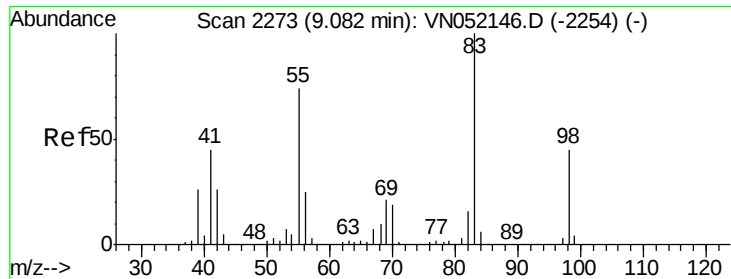
MMDadoda
11/6/2018 10:00:03 AM



#38
Carbon Tetrachloride
Concen: 159.361 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.7	112.1
121	30.7	24.5	36.7





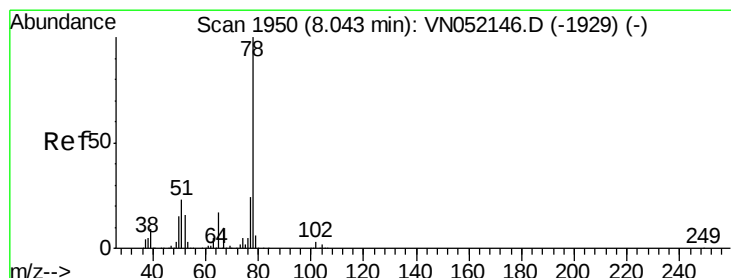
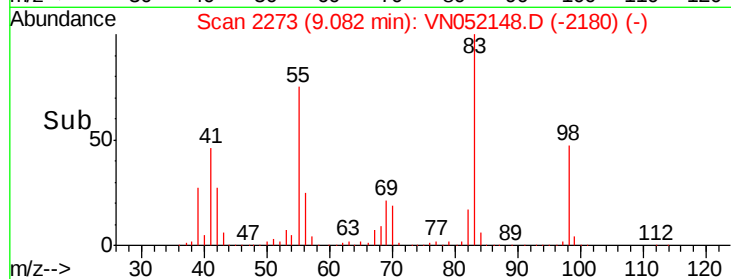
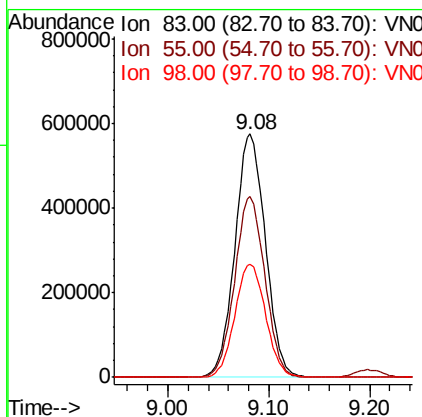
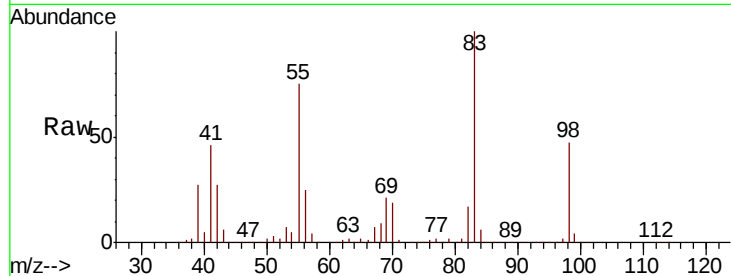
#39
Methvlcvclohexane
Concen: 156.128 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	59.4	89.2
98	46.5	36.3	54.5

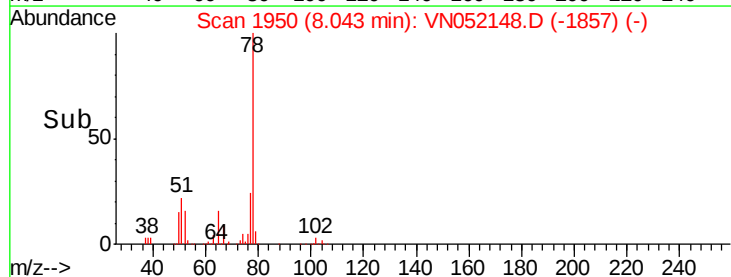
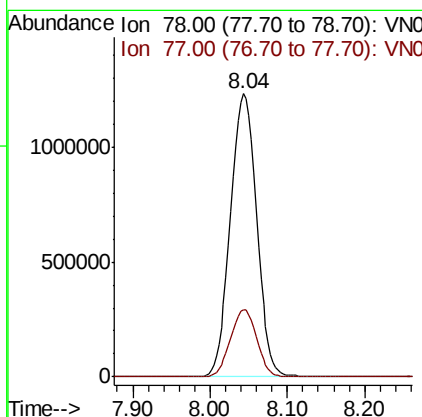
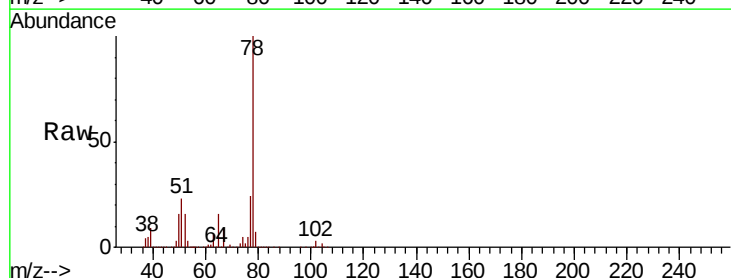
Manual Integrations
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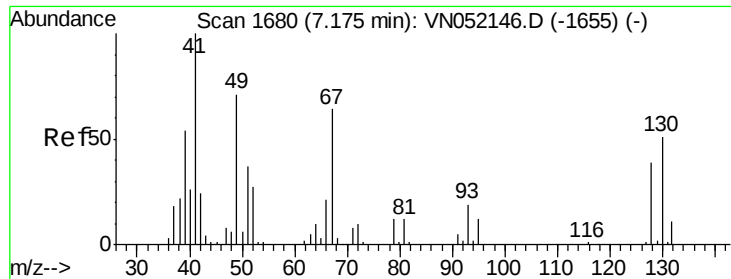
MMDadoda
11/6/2018 10:00:03 AM



#40
Benzene
Concen: 151.131 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





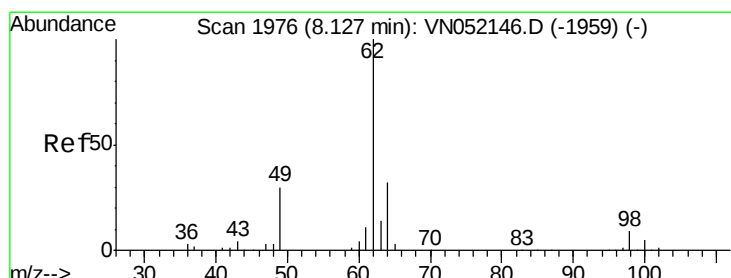
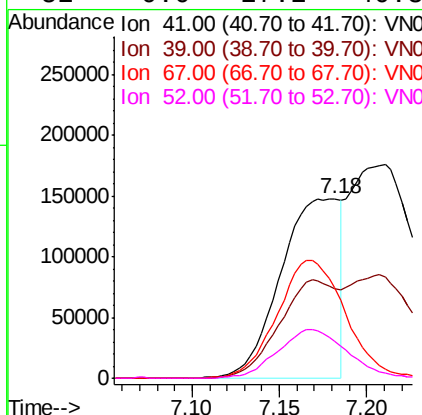
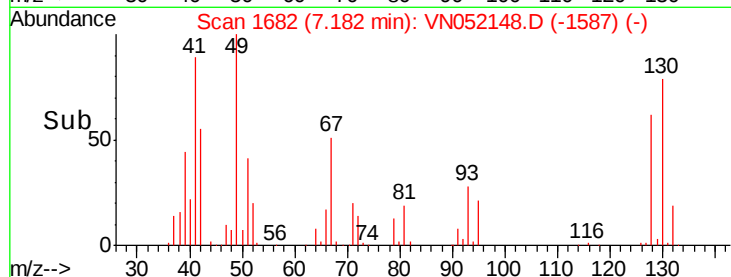
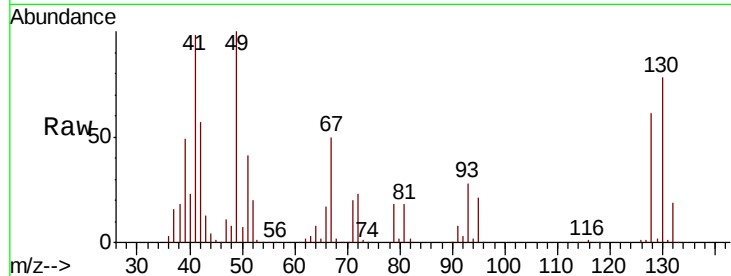
#41
Methacrylonitrile
Concen: 164.462 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.6	74.4#
67	0.0	65.4	98.2#
52	0.0	27.2	40.8#

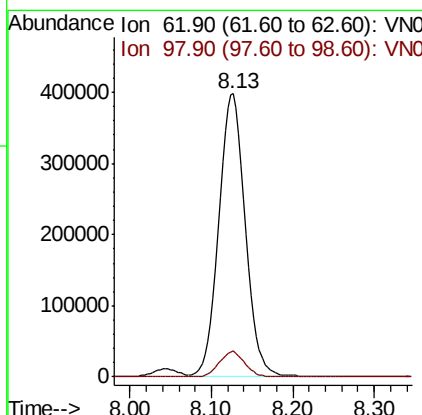
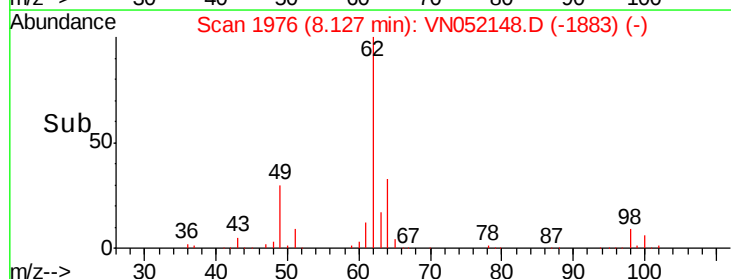
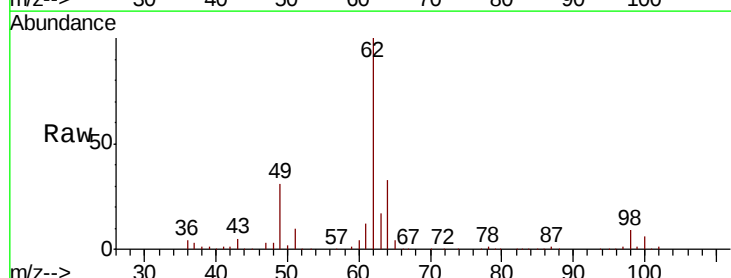
Manual Integrations
APPROVED

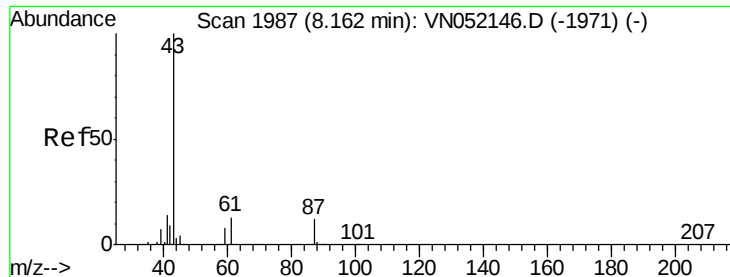
MMDadoda
11/6/2018 10:00:03 AM



#42
1,2-Dichloroethane
Concen: 148.677 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 152.448 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1134214

Ion Ratio Lower Upper

43 100

61 27.6 21.5 32.3

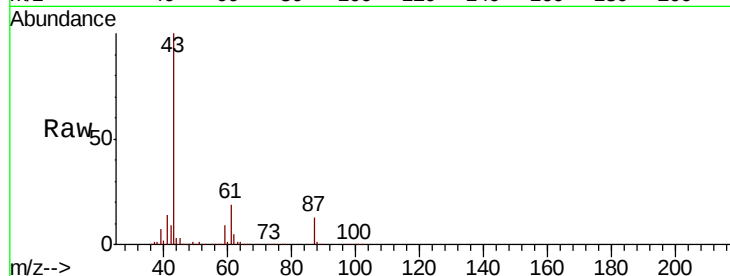
87 12.9 10.2 15.2

Manual Integrations

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MMDadoda

11/6/2018 10:00:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052148.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052148.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052148.D (-1971) (-)

8.16

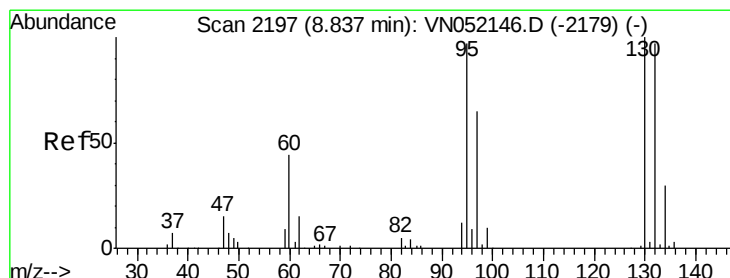
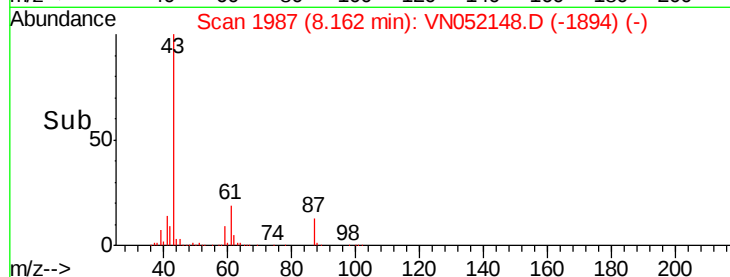
400000

200000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 156.047 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052148.D

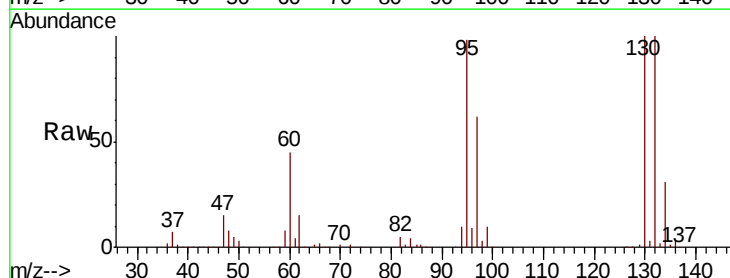
Acq: 5 Nov 2018 14:56

Tgt Ion:130 Resp: 791936

Ion Ratio Lower Upper

130 100

95 98.0 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN052148.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052148.D (-2104) (-)

8.84

400000

300000

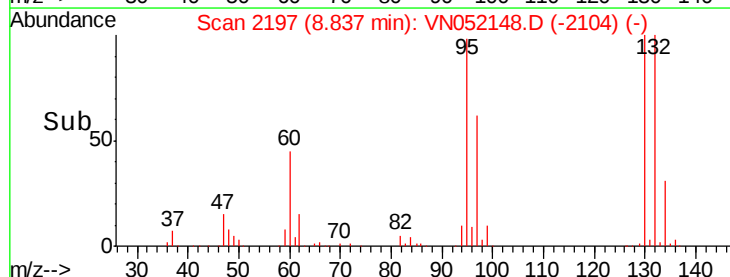
200000

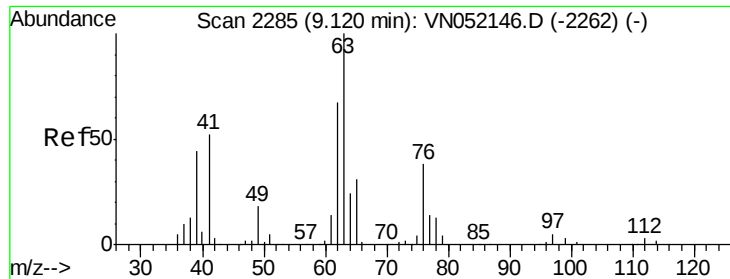
100000

0

8.70 8.80 8.90 9.00

Time-->





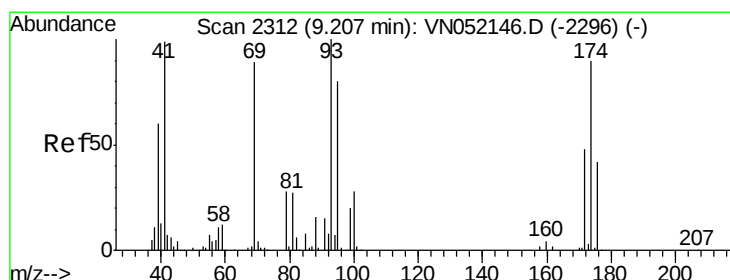
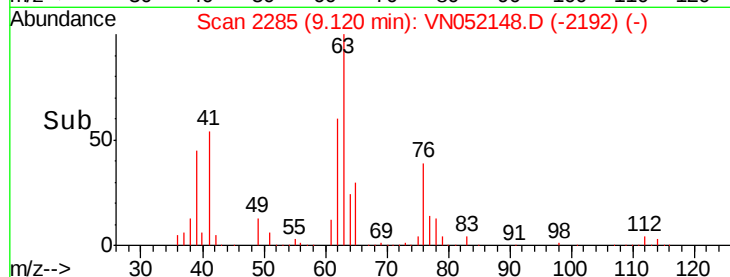
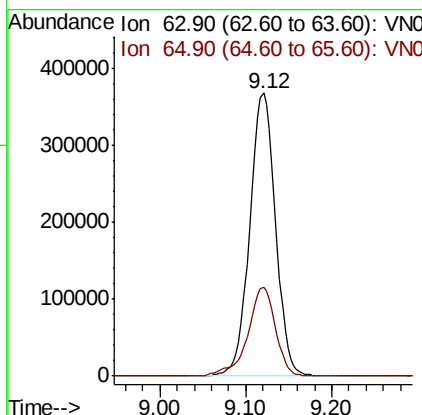
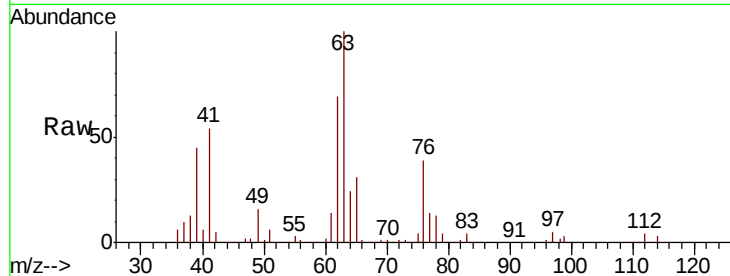
#45
 1,2-Dichloropropane
 Concen: 151.514 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 769153
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6

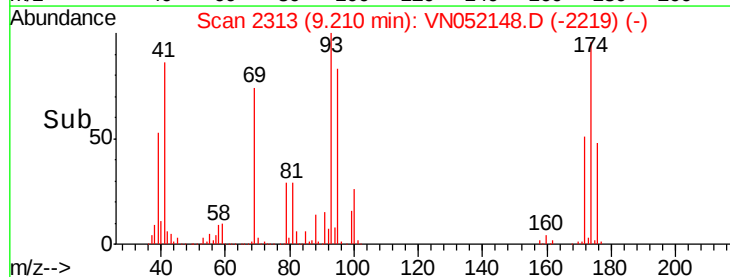
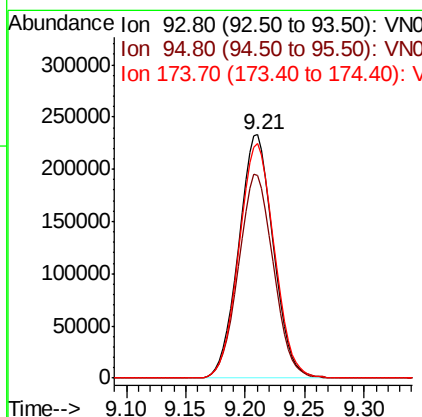
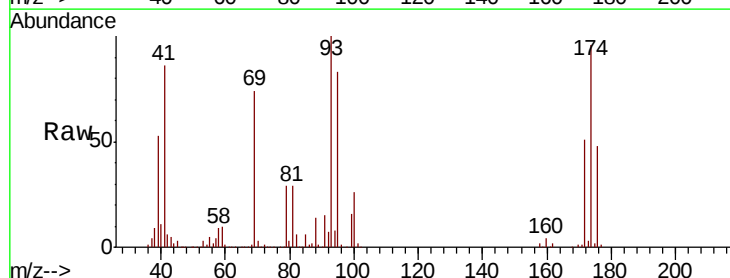
Manual Integrations
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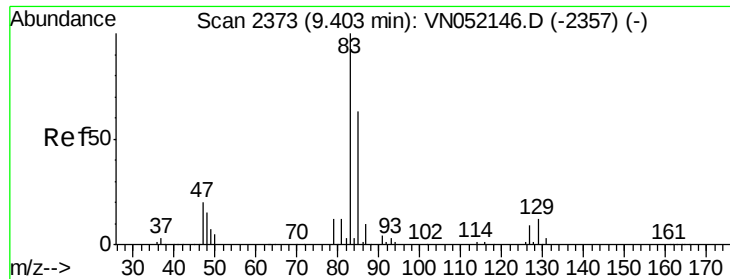
MMDadoda
 11/6/2018 10:00:03 AM



#46
 Dibromomethane
 Concen: 145.971 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion: 93 Resp: 471261
 Ion Ratio Lower Upper
 93 100
 95 84.4 64.5 96.7
 174 98.3 74.6 112.0





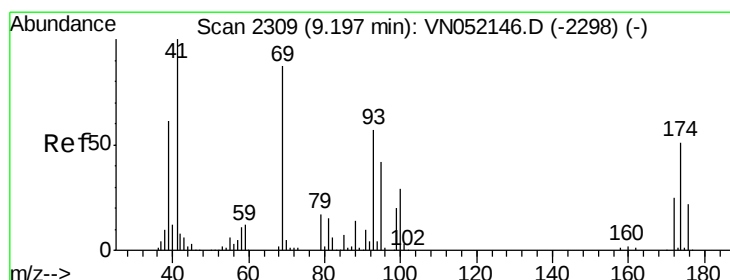
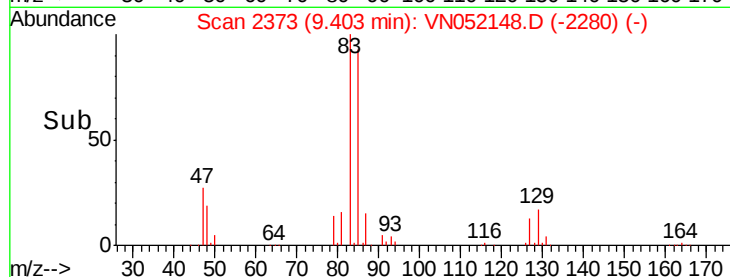
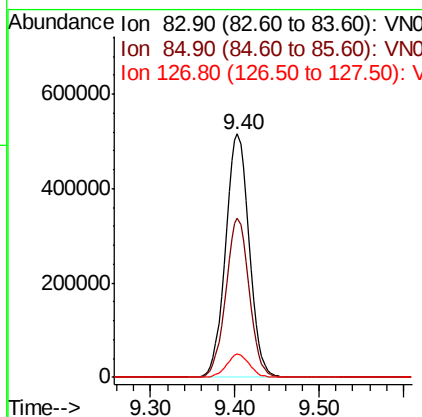
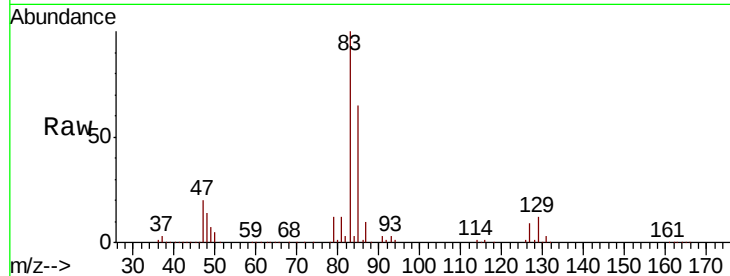
#47
Bromodichloromethane
Concen: 158.963 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1000882
Ion Ratio Lower Upper
83 100
85 65.4 50.5 75.7
127 9.5 7.2 10.8

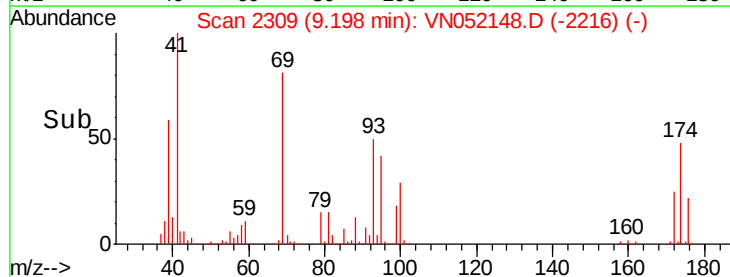
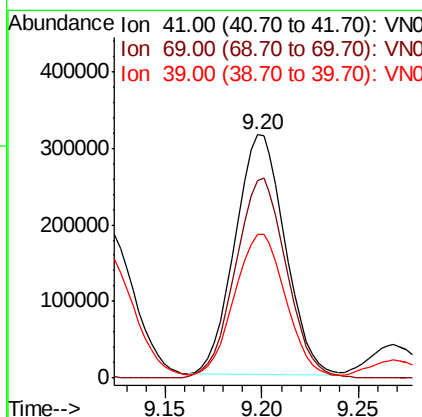
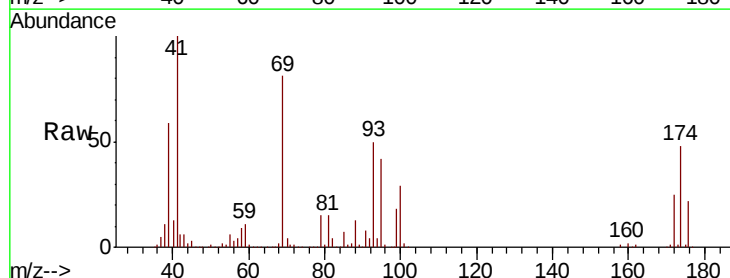
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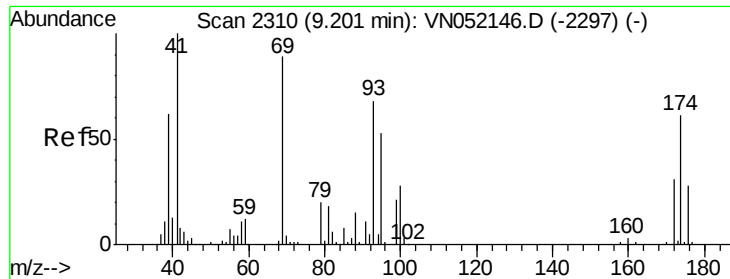
MMDadoda
11/6/2018 10:00:03 AM



#48
Methyl methacrylate
Concen: 157.722 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 41 Resp: 564776
Ion Ratio Lower Upper
41 100
69 84.8 69.7 104.5
39 61.9 50.6 76.0





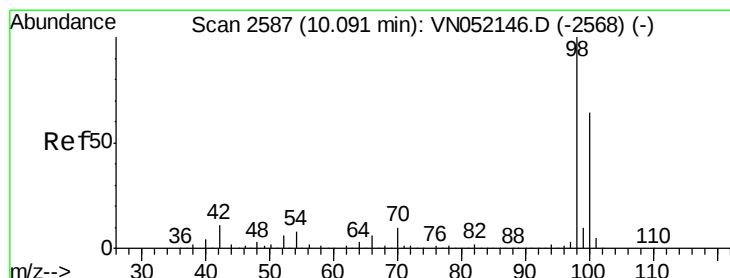
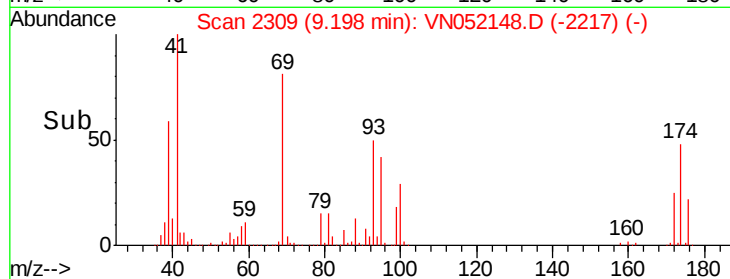
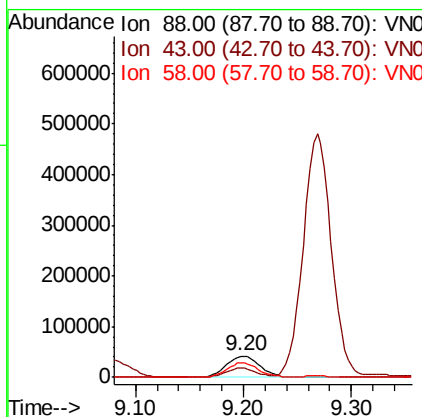
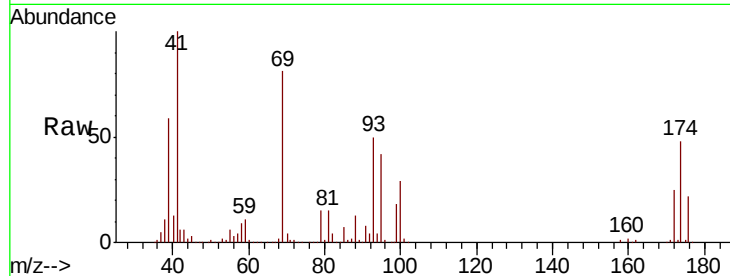
#49
1,4-Dioxane
Concen: 3152.086 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	33.0	49.6
58	65.3	58.6	88.0

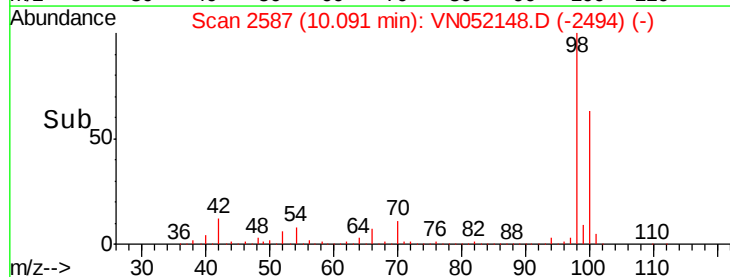
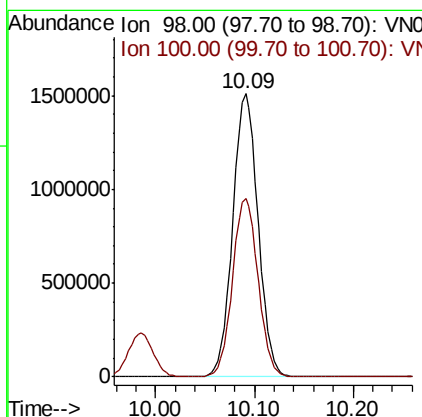
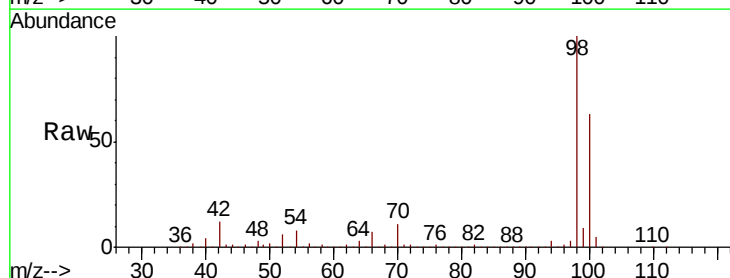
Manual Integrations
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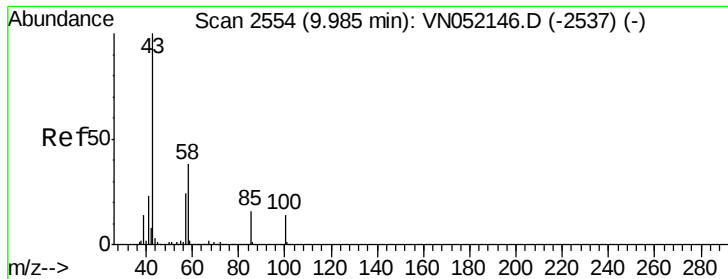
MMDadoda
11/6/2018 10:00:03 AM



#50
Toluene-d8
Concen: 3152.086 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.5	75.7





#51

4-Methyl-2-Pentanone

Concen: 754.446 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2965420

Ion Ratio Lower Upper

43 100

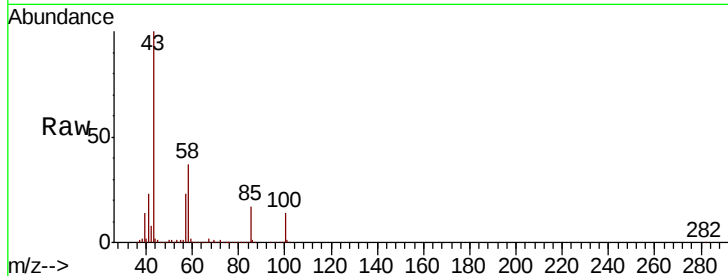
58 37.1 29.6 44.4

Manual Integrations

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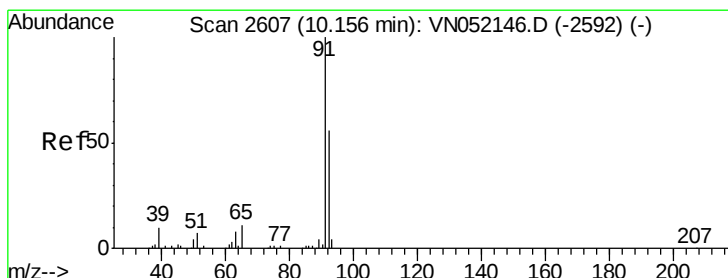
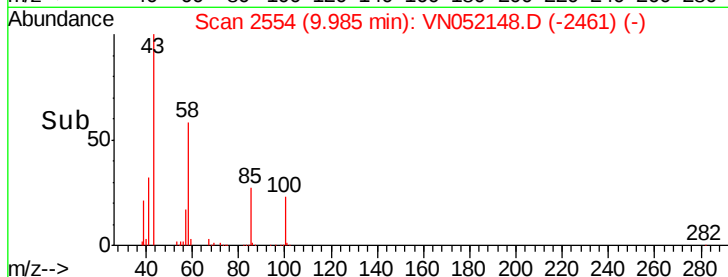
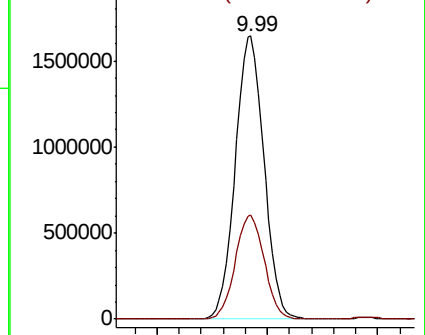
MMDadoda

11/6/2018 10:00:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2537) (-)



#52

Toluene

Concen: 159.563 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052148.D

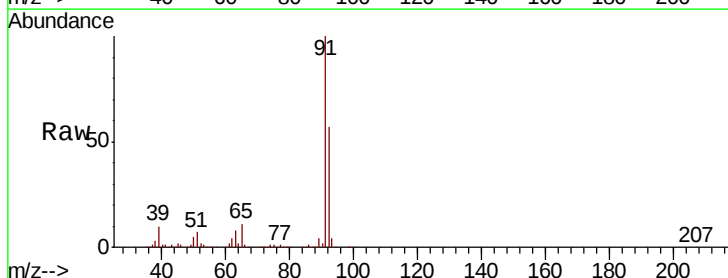
Acq: 5 Nov 2018 14:56

Tgt Ion: 92 Resp: 1844400

Ion Ratio Lower Upper

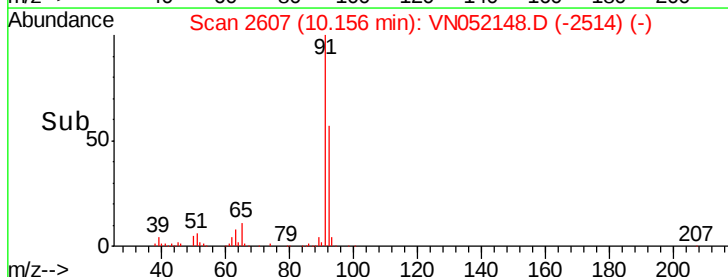
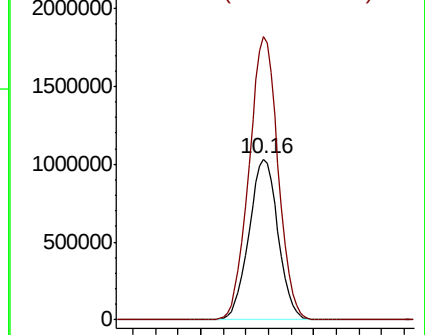
92 100

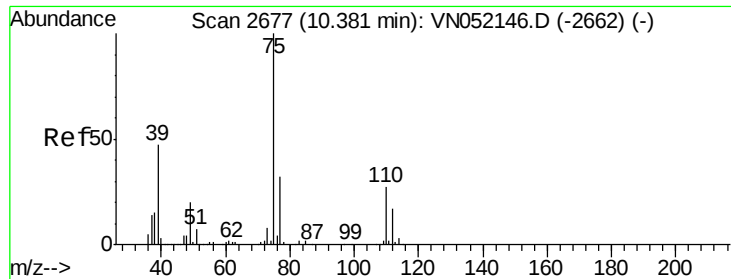
91 176.3 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052146.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052146.D (-2592) (-)





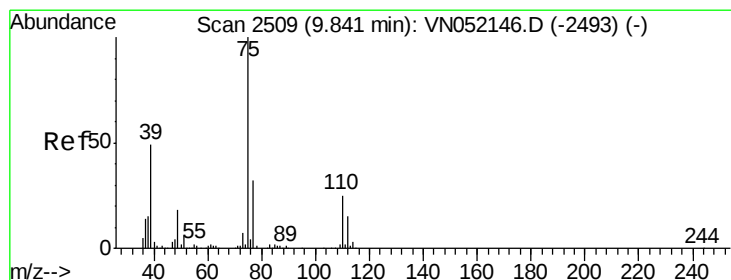
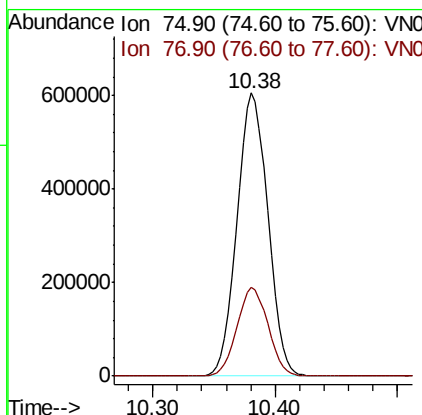
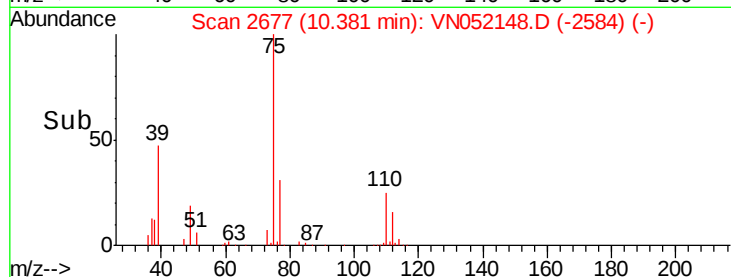
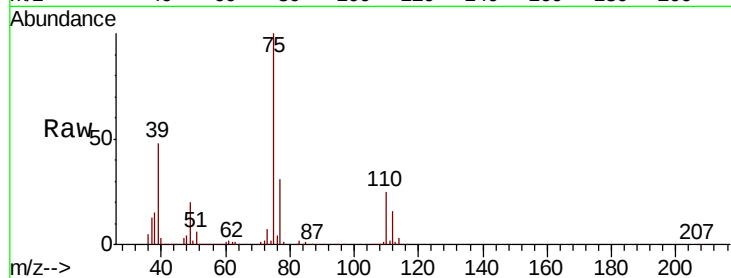
#53
 t-1,3-Dichloropropene
 Concen: 171.410 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 75 Resp: 1058748
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.6

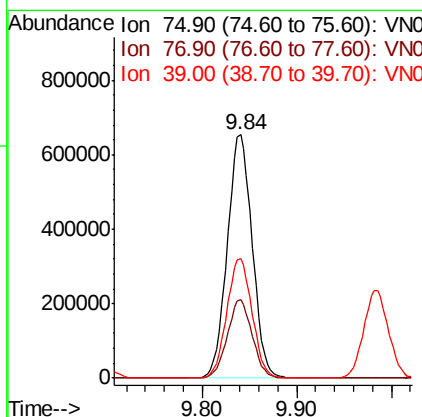
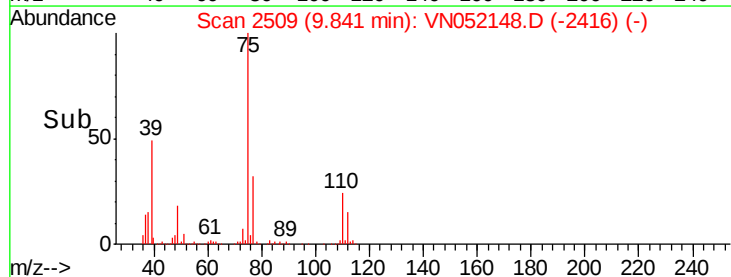
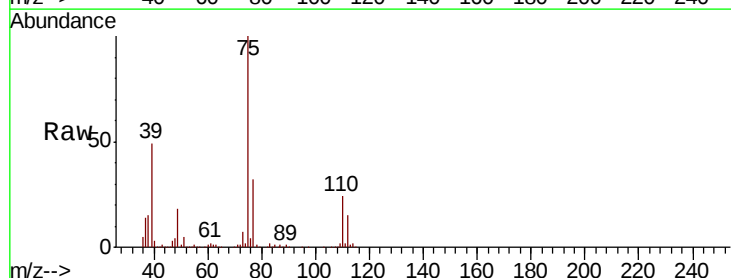
Manual Integrations
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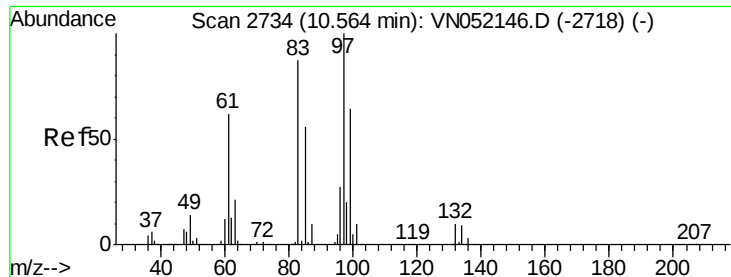
MMDadoda
 11/6/2018 10:00:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 165.486 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion: 75 Resp: 1196104
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8
 39 49.1 39.2 58.8





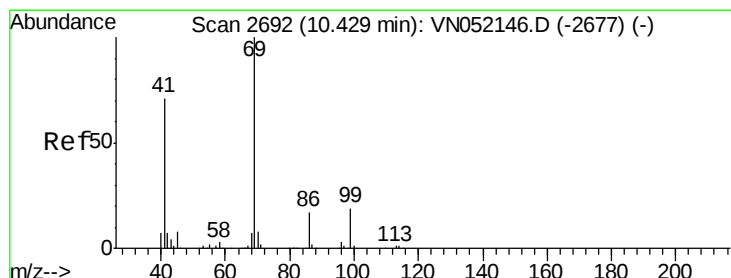
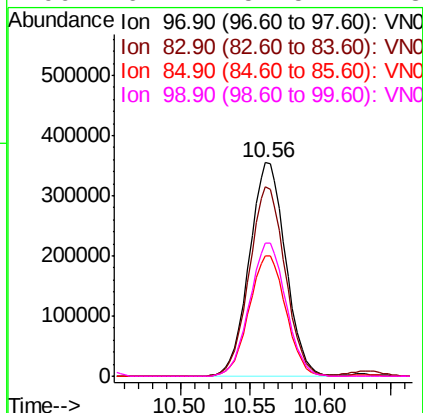
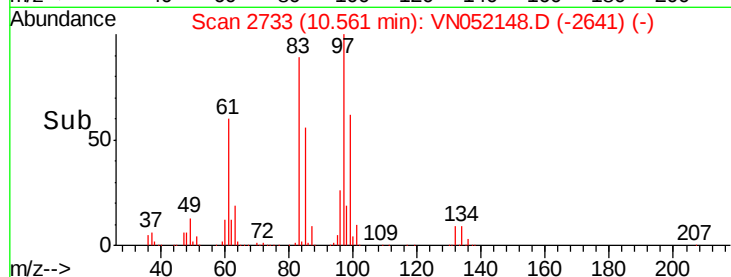
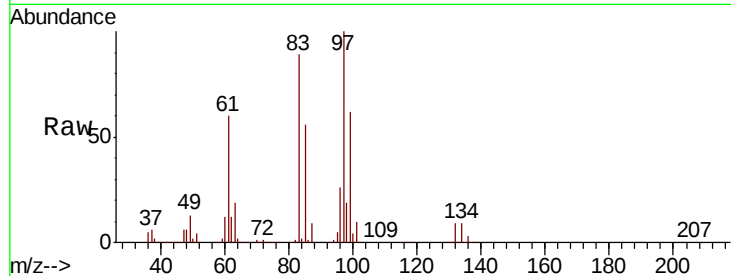
#55
 1,1,2-Trichloroethane
 Concen: 157.135 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	640387
Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.3	103.9
85	56.1	44.9	67.3
99	62.4	51.5	77.3

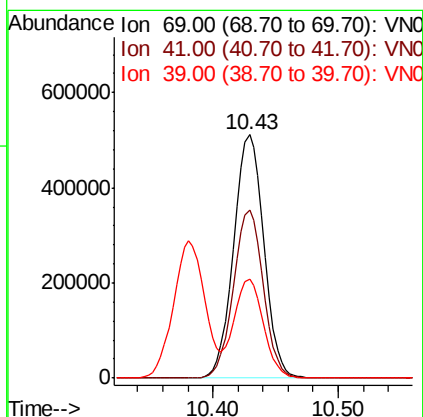
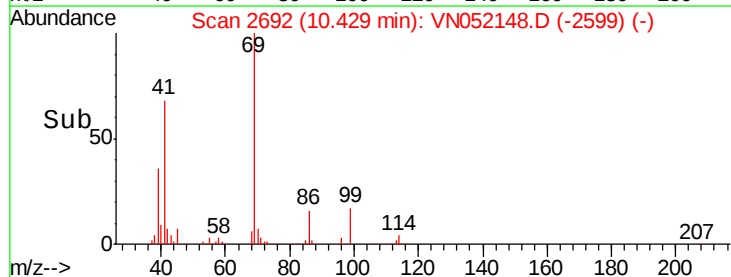
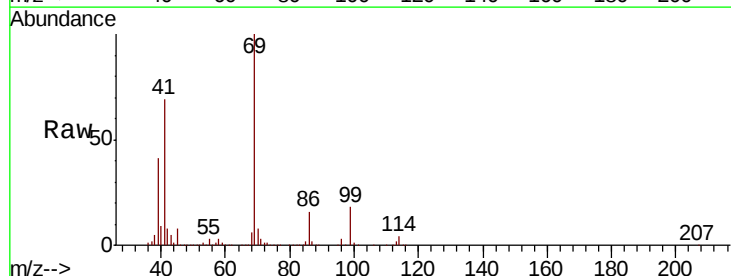
Manual Integrations
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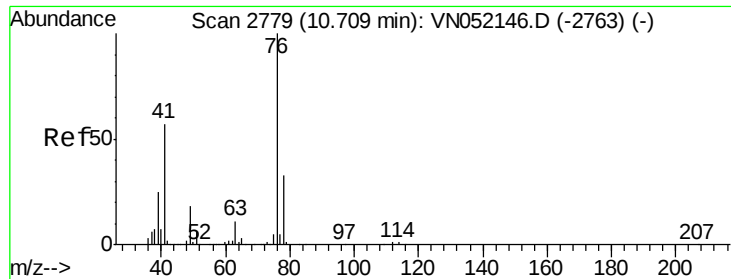
MMDadoda
 11/6/2018 10:00:03 AM



#56
 Ethyl methacrylate
 Concen: 161.316 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion:	69	Resp:	856928
Ion	Ratio	Lower	Upper
69	100		
41	67.9	55.4	83.0
39	39.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 152.585 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1095489

Ion Ratio Lower Upper

76 100

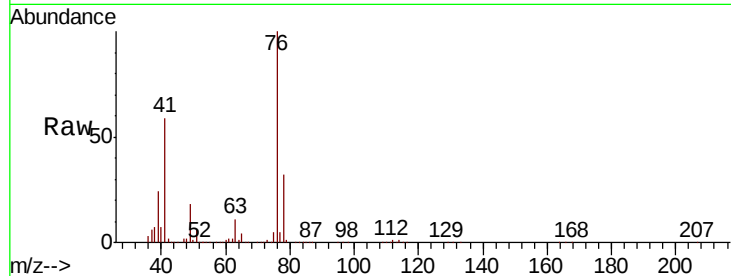
78 32.4 25.5 38.3

Manual Integrations

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MMDadoda

11/6/2018 10:00:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

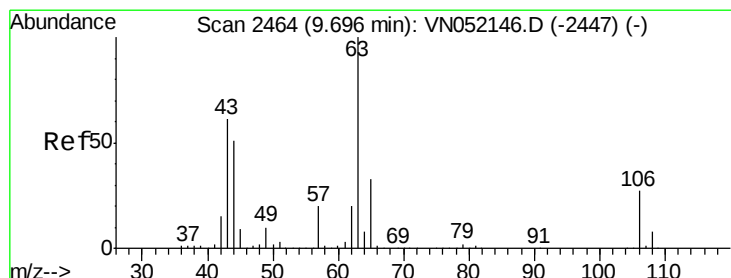
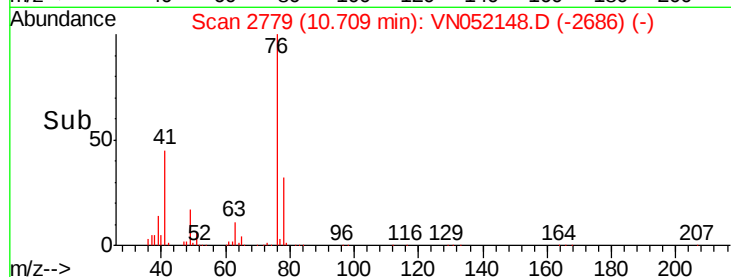
600000

400000

200000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 816.038 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052148.D

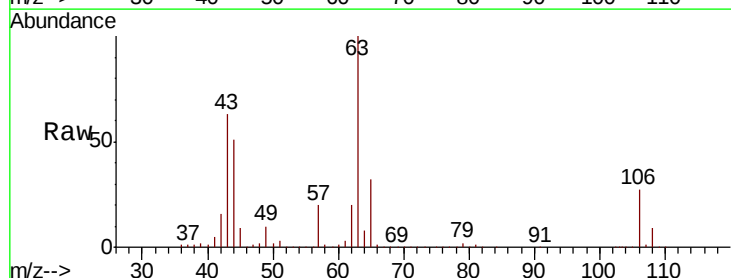
Acq: 5 Nov 2018 14:56

Tgt Ion: 63 Resp: 2332902

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

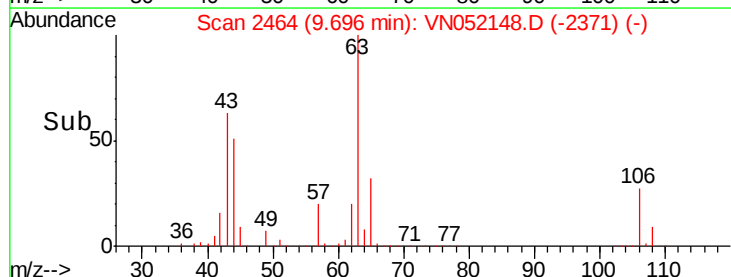
1500000

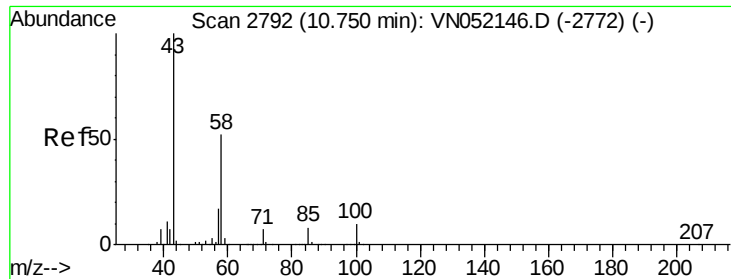
1000000

500000

0

Time--> 9.60 9.65 9.70 9.75 9.80





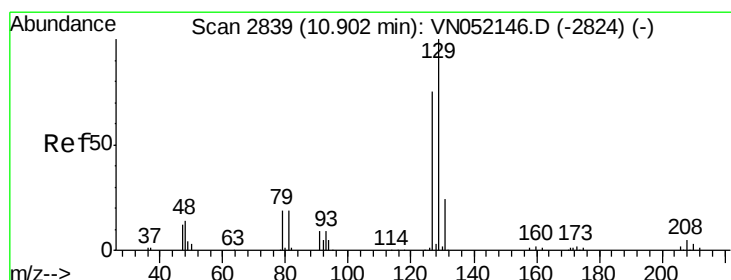
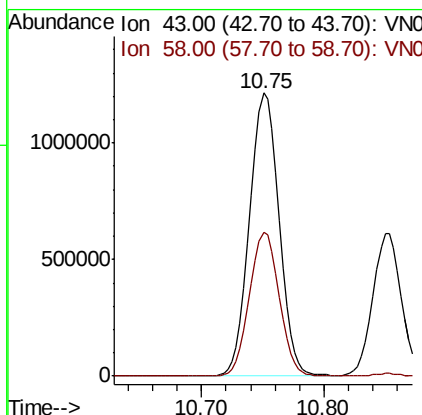
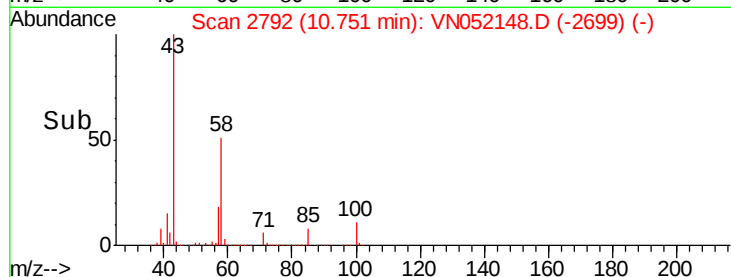
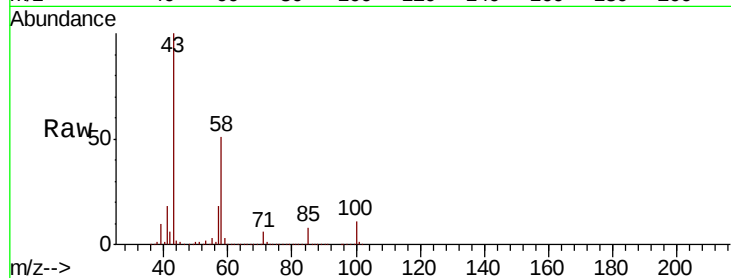
#59
2-Hexanone
Concen: 739.230 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2022661
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.4

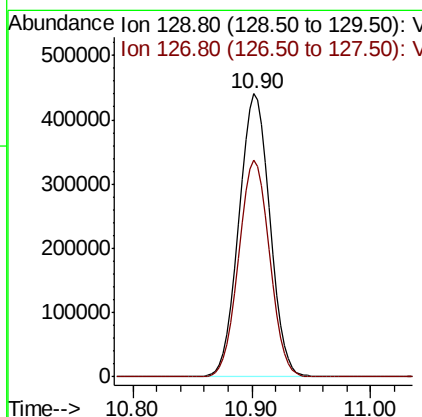
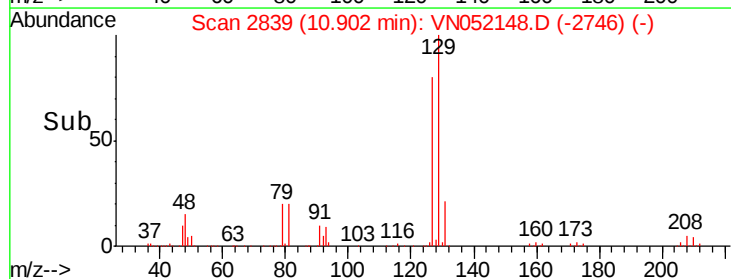
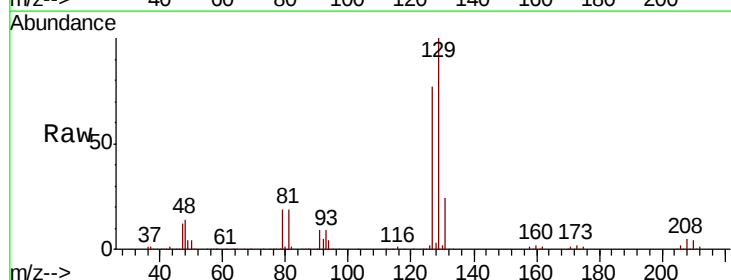
Manual Integrations
APPROVED

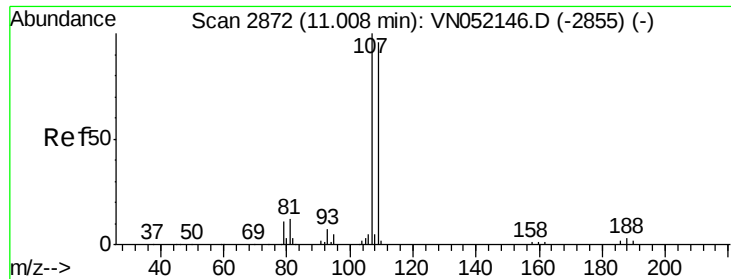
MMDadoda
11/6/2018 10:00:03 AM



#60
Dibromochloromethane
Concen: 171.411 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 129 Resp: 794416
Ion Ratio Lower Upper
129 100
127 76.6 38.0 114.1





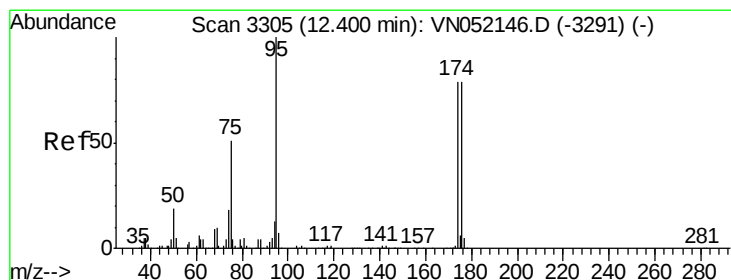
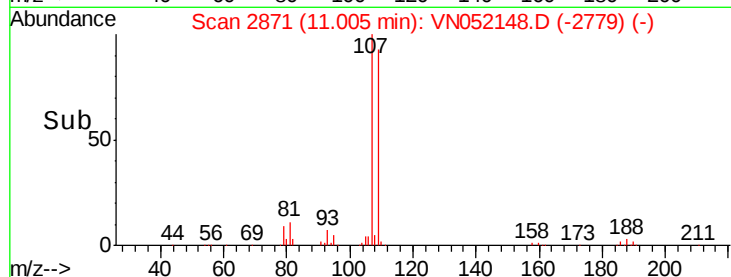
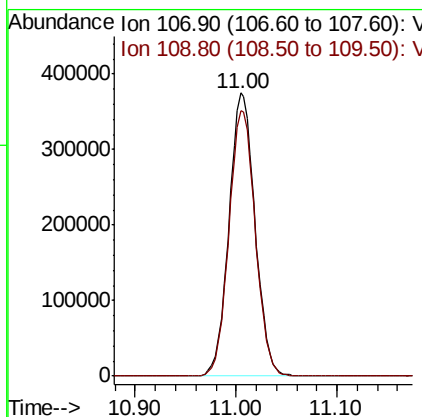
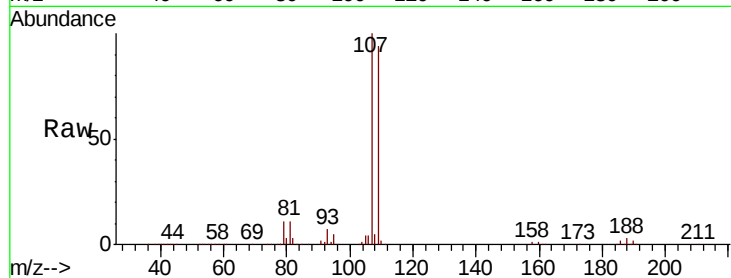
#61
 1,2-Dibromoethane
 Concen: 162.761 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

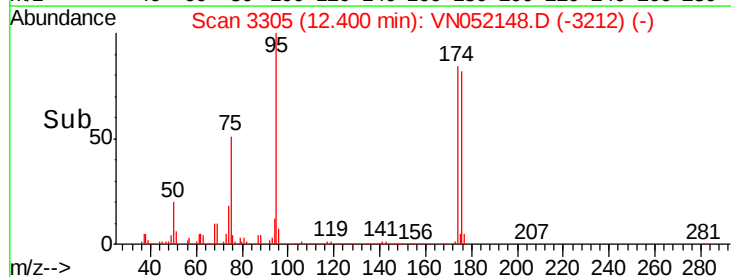
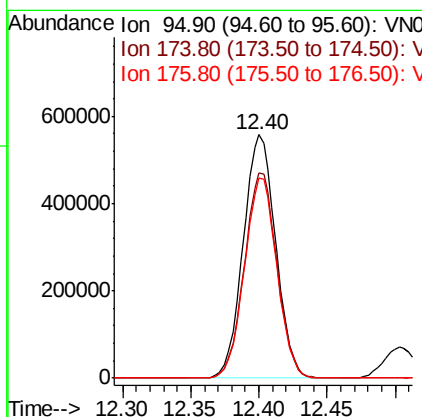
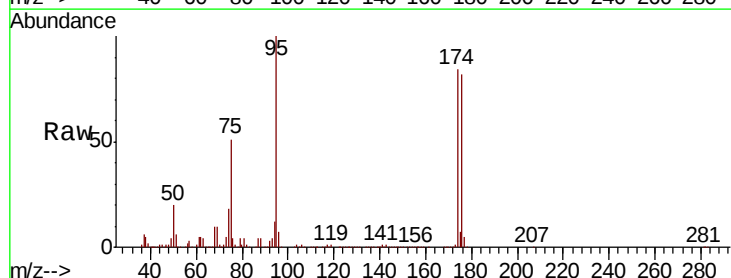
Manual Integrations
 APPROVED

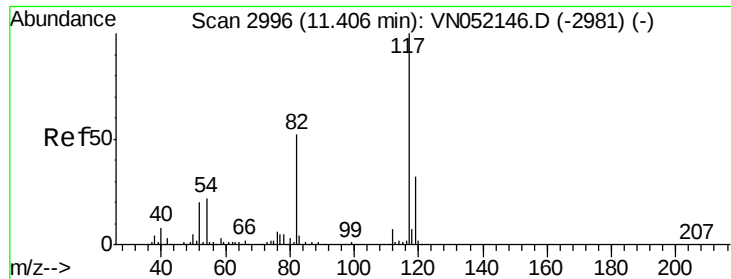
MMDadoda
 11/6/2018 10:00:03 AM



#62
 4-Bromofluorobenzene
 Concen: 162.761 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	162.6
176	82.2	0.0	155.4





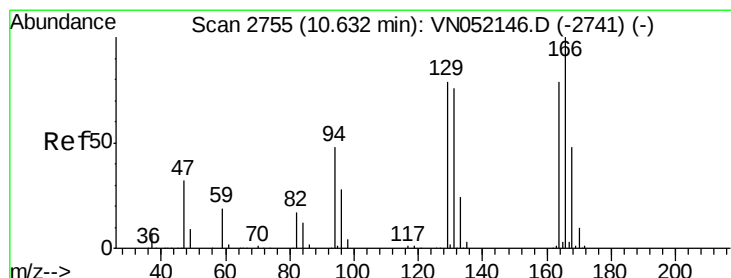
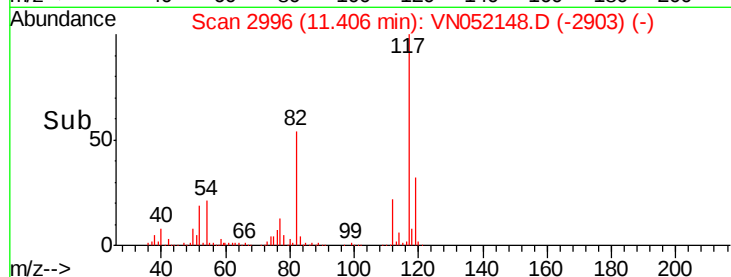
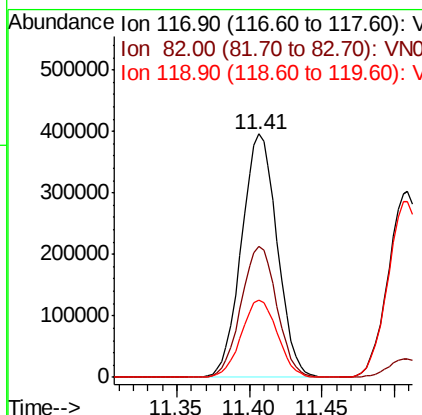
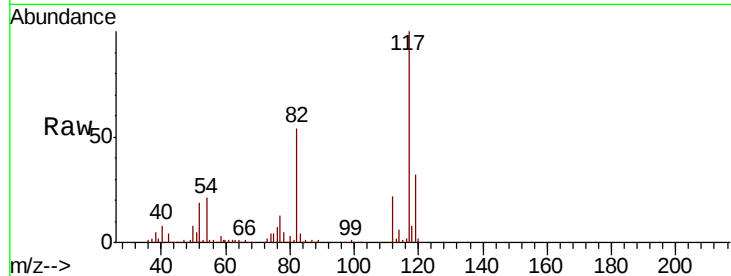
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.9	62.9
119	31.9	25.7	38.5

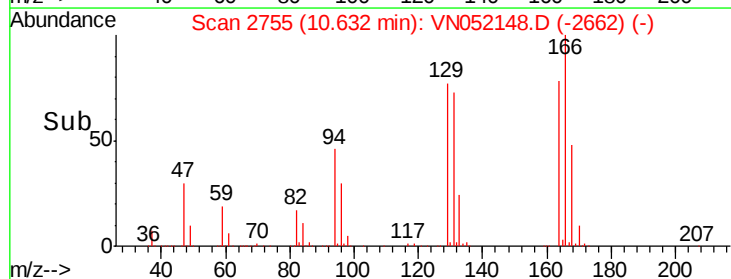
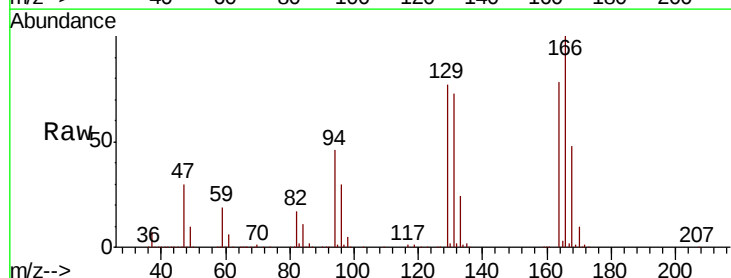
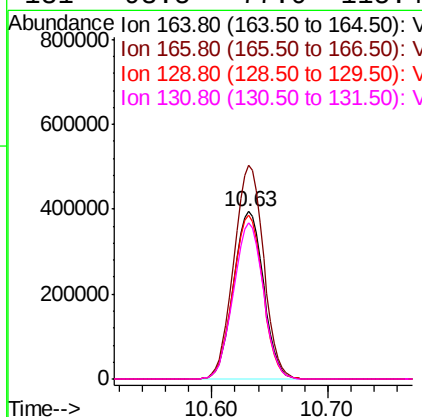
Manual Integrations
APPROVED

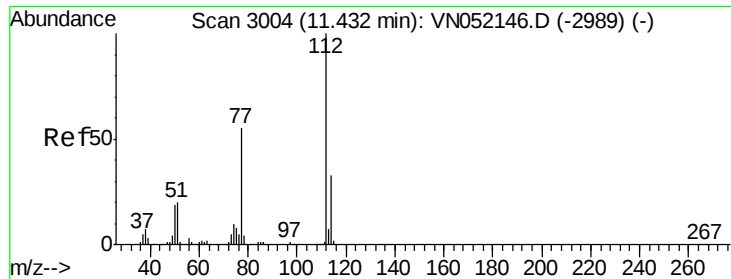
MMDadoda
11/6/2018 10:00:03 AM



#64
Tetrachloroethene
Concen: 160.783 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	100.8	151.2
129	98.1	79.1	118.7
131	93.5	77.0	115.4





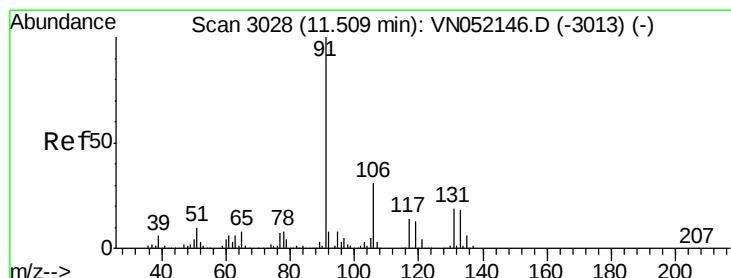
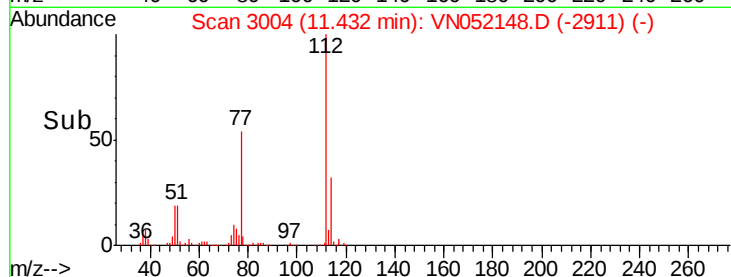
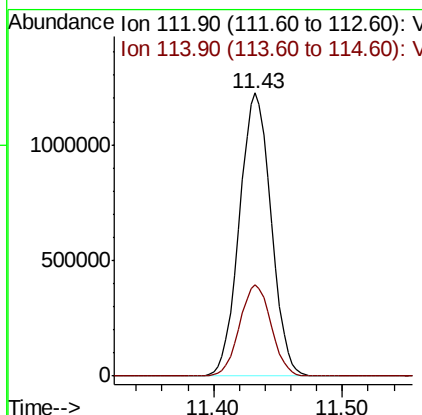
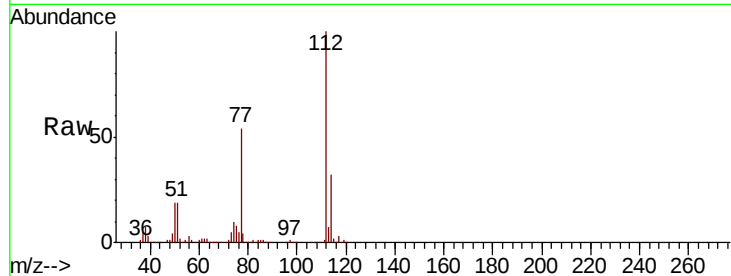
#65
Chlorobenzene
Concen: 151.666 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 2092660
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

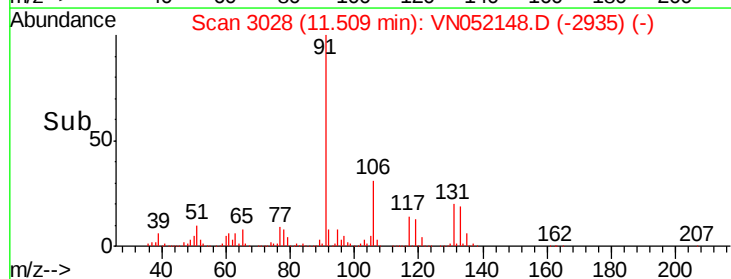
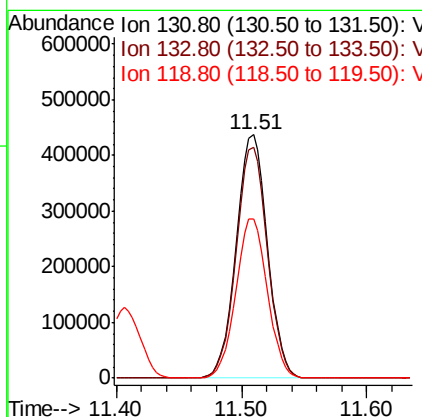
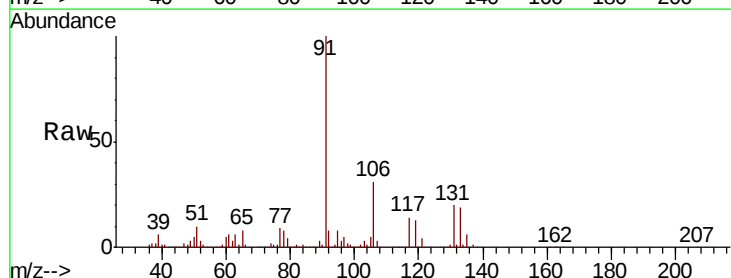
Manual Integrations
APPROVED

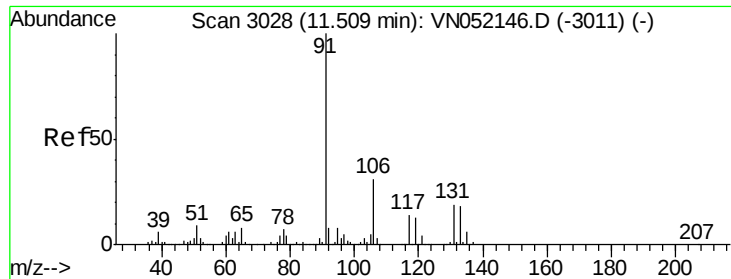
MMDadoda
11/6/2018 10:00:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 163.101 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion:131 Resp: 755762
Ion Ratio Lower Upper
131 100
133 95.0 46.6 139.8
119 66.0 33.6 100.8





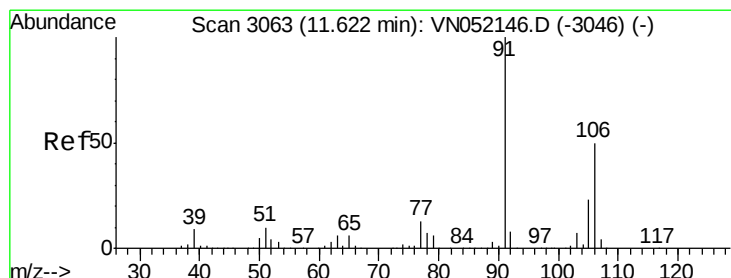
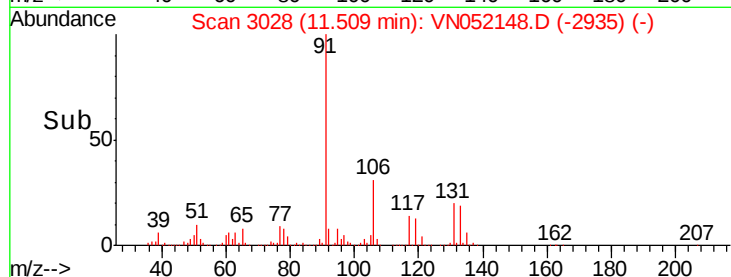
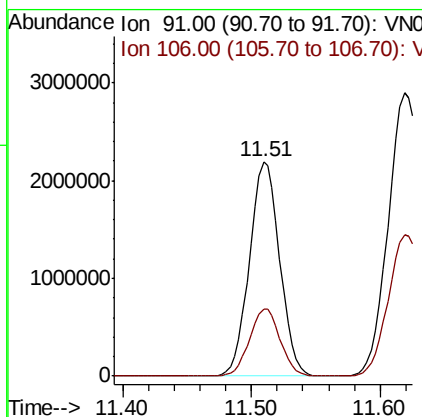
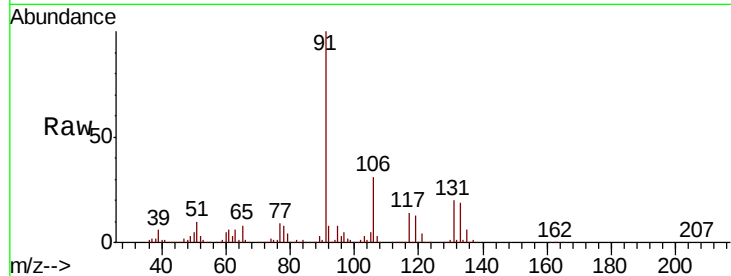
#67
Ethyl Benzene
Concen: 156.362 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3583378
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

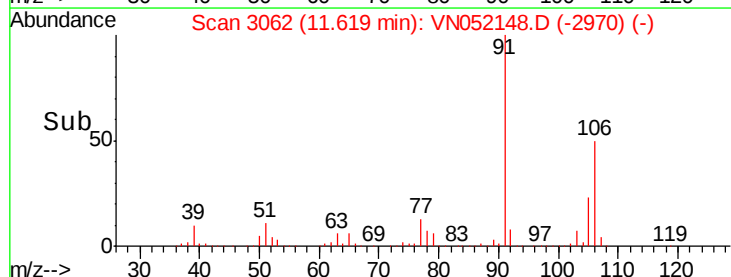
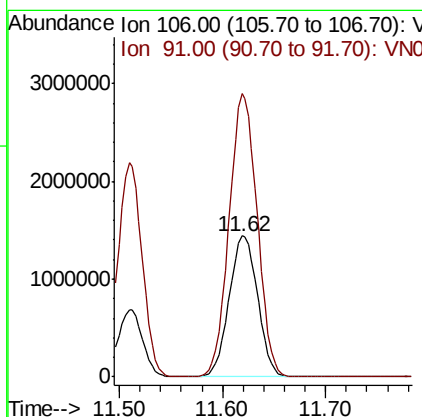
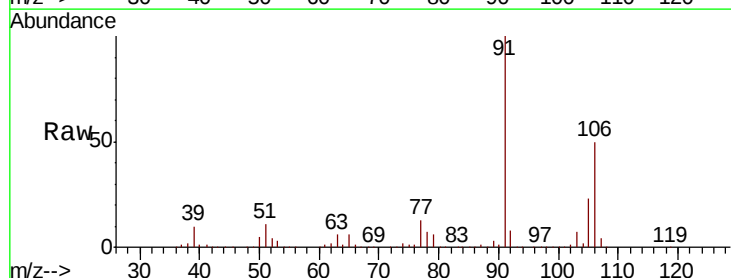
Manual Integrations
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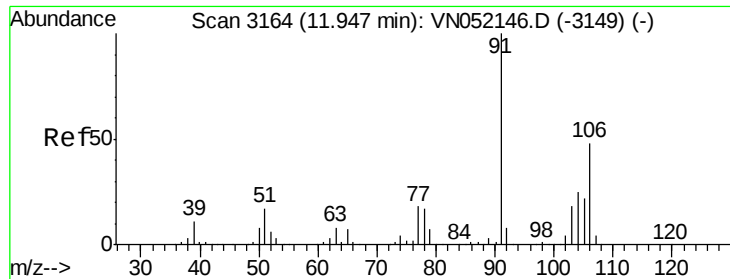
MMDadoda
11/6/2018 10:00:03 AM



#68
m/p-Xylenes
Concen: 313.105 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 106 Resp: 2768702
Ion Ratio Lower Upper
106 100
91 198.2 158.2 237.4





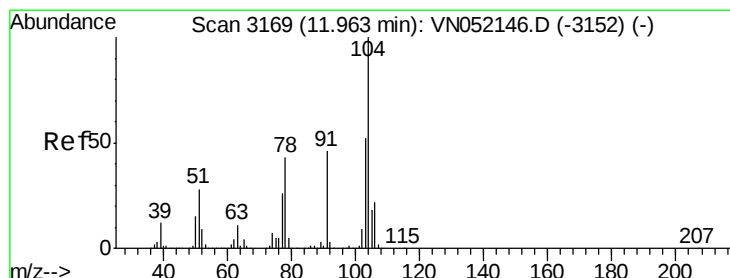
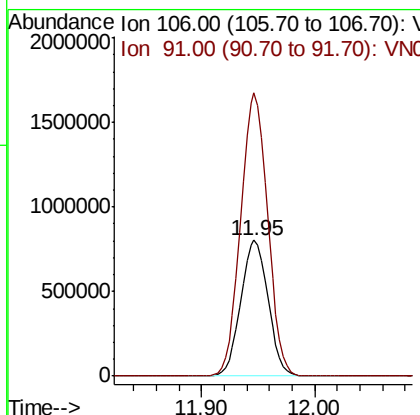
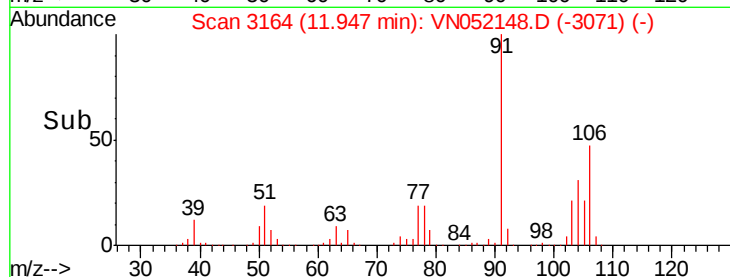
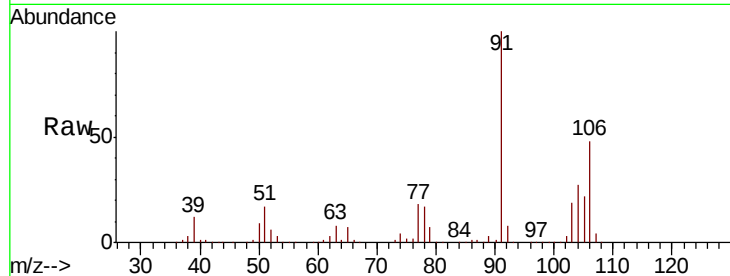
#69
o-Xylene
Concen: 157.313 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1349061
Ion Ratio Lower Upper
106 100
91 206.6 104.8 314.3

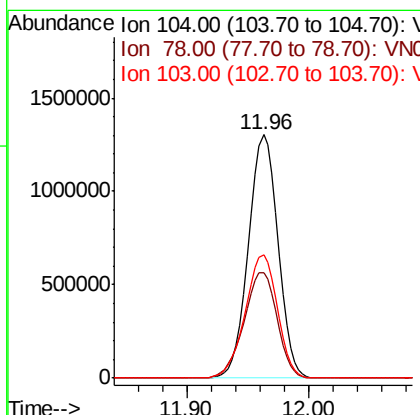
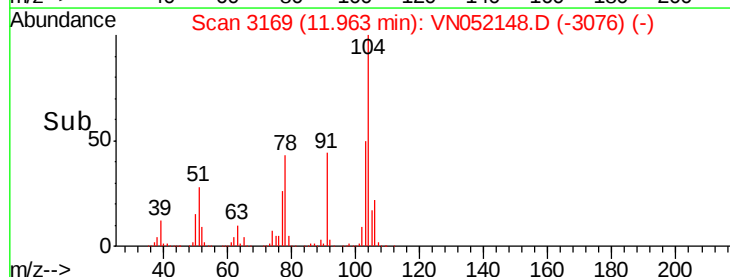
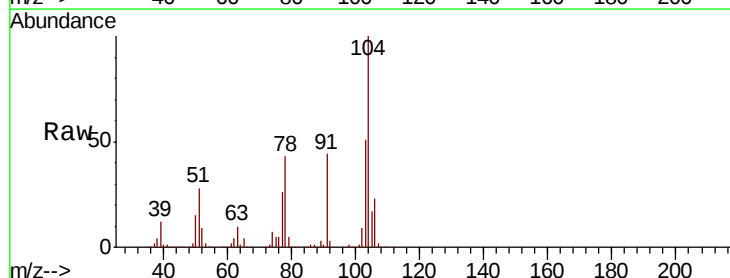
Manual Integrations
APPROVED

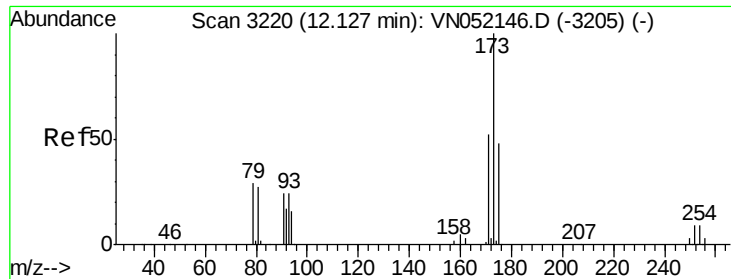
MMDadoda
11/6/2018 10:00:03 AM



#70
Styrene
Concen: 159.877 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion:104 Resp: 2170434
Ion Ratio Lower Upper
104 100
78 48.8 39.4 59.0
103 55.4 45.1 67.7





#71

Bromoform

Concen: 182.338 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 489281

Ion Ratio Lower Upper

173 100

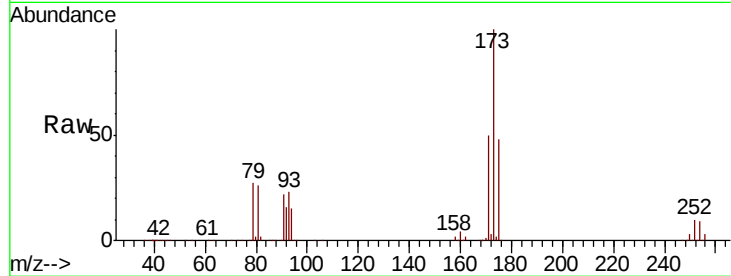
175 48.7 24.8 74.4

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

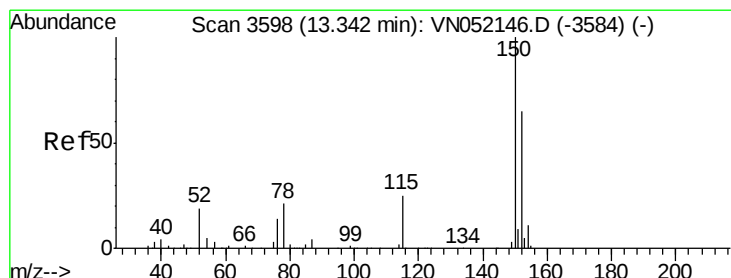
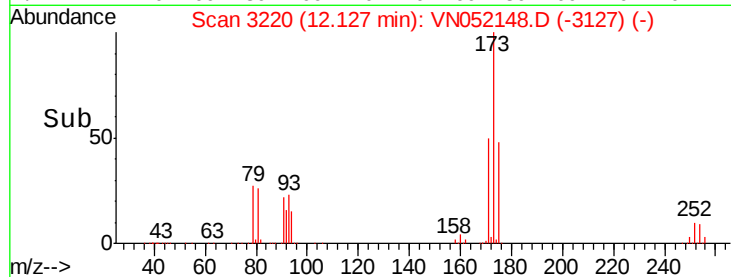
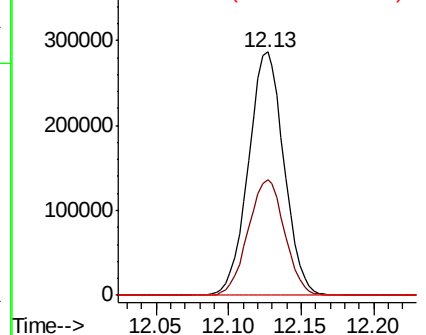
11/6/2018 10:00:03 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

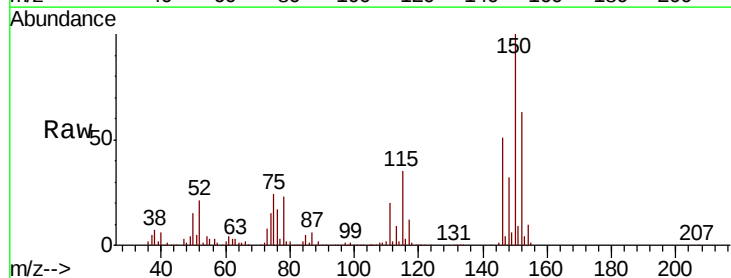
Tgt Ion:152 Resp: 318787

Ion Ratio Lower Upper

152 100

115 56.4 28.5 85.5

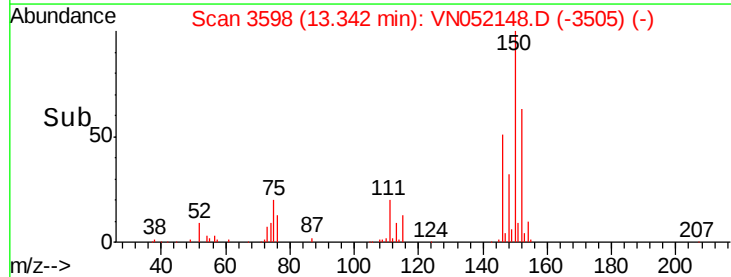
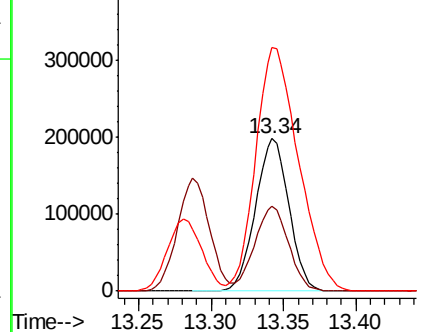
150 203.8 0.0 348.6

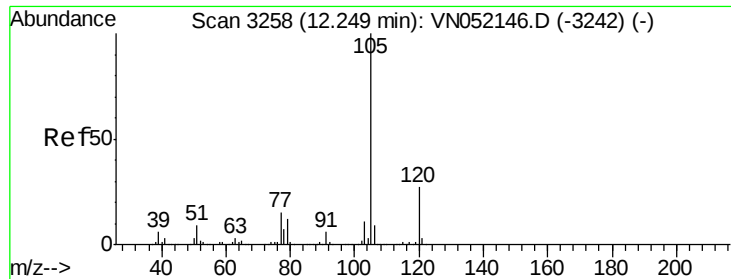


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





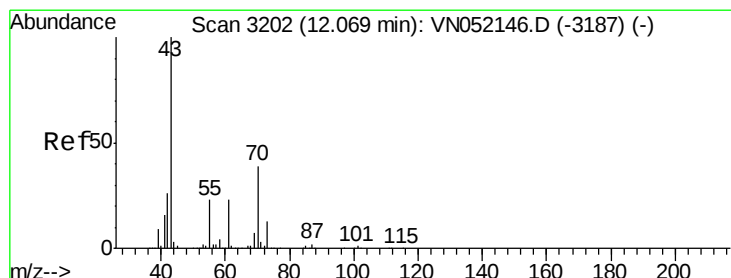
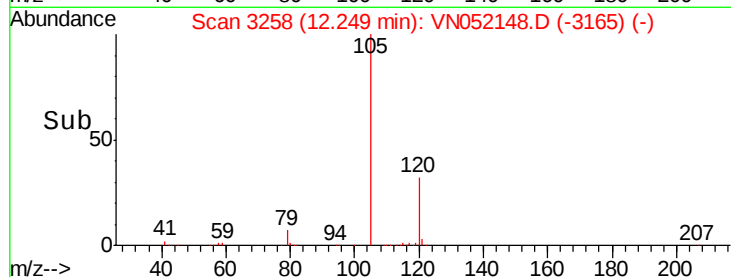
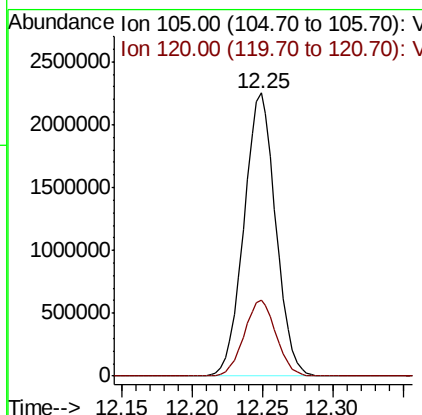
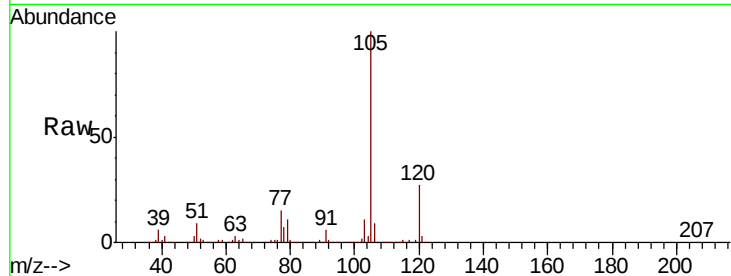
#73
Isopropylbenzene
Concen: 147.419 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 3553303
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.9

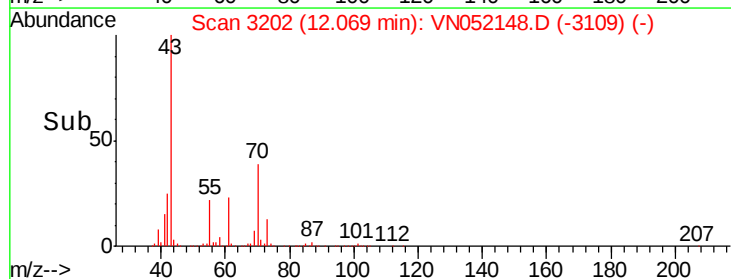
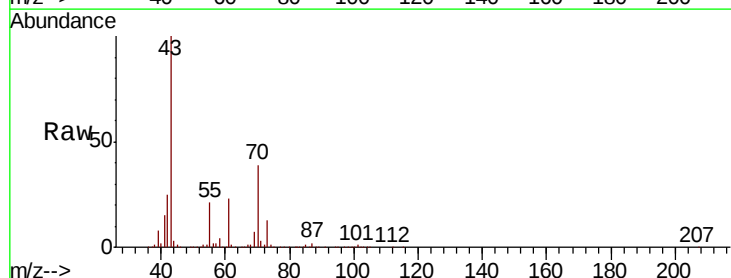
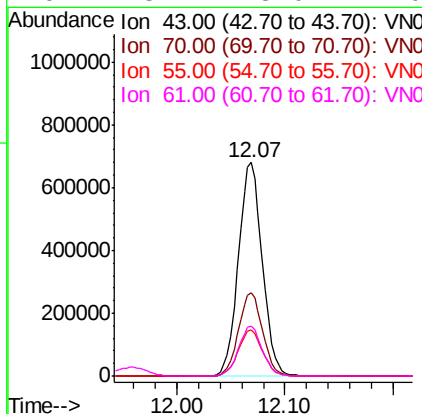
Manual Integrations
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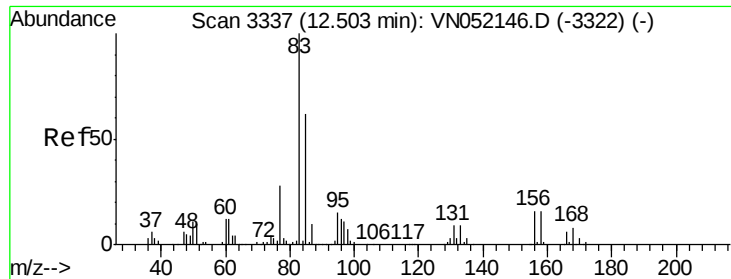
MMDadoda
11/6/2018 10:00:03 AM



#74
N-ethyl acetate
Concen: 137.359 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 43 Resp: 1048165
Ion Ratio Lower Upper
43 100
70 39.2 31.1 46.7
55 22.0 18.5 27.7
61 23.2 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 139.020 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

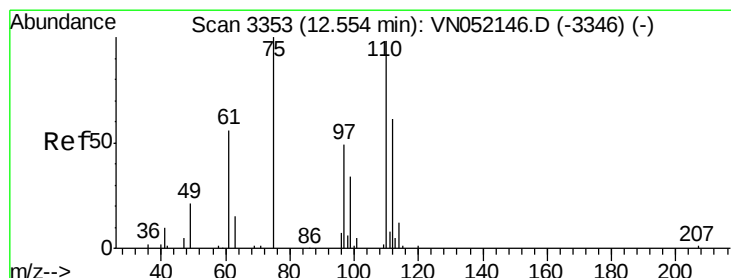
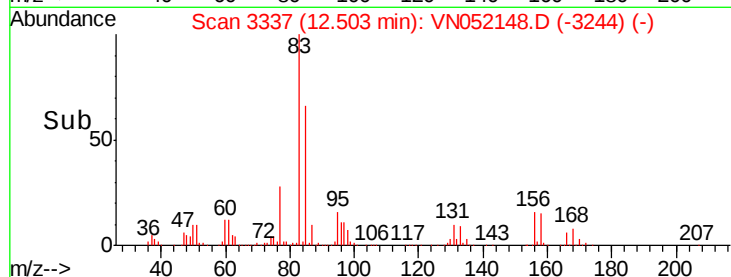
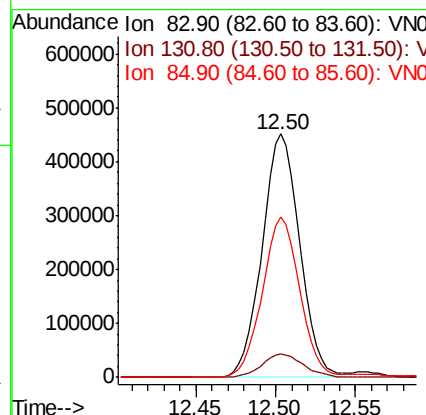
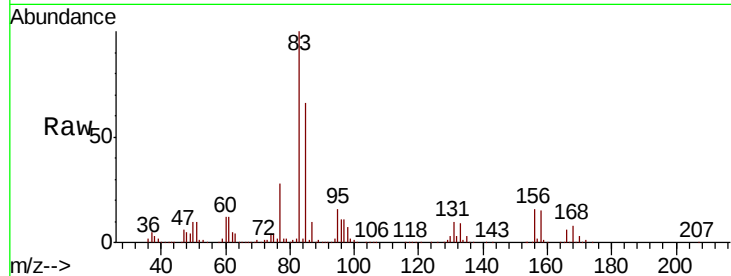
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	733467
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	65.4	31.8	95.3

Manual Integrations
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11/6/2018 10:00:03 AM



#76

1,2,3-Trichloropropane

Concen: 166.633 ug/l m

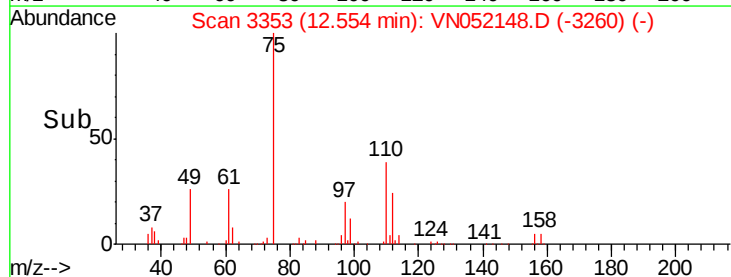
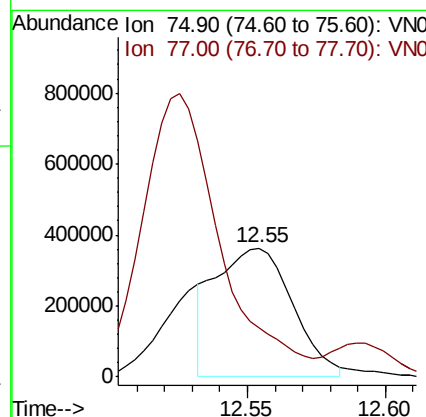
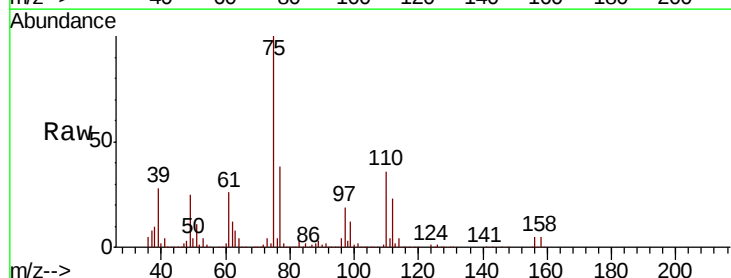
RT: 12.55 min Scan# 3353

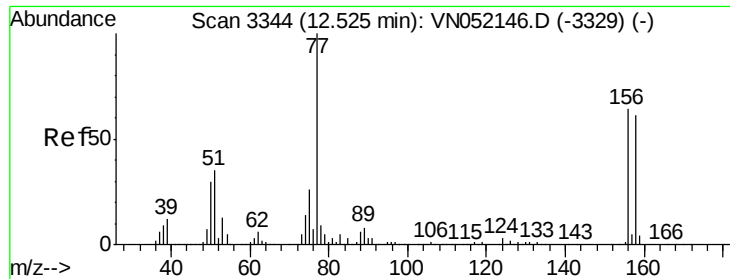
Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Tgt Ion:	75	Resp:	709115
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 150.001 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

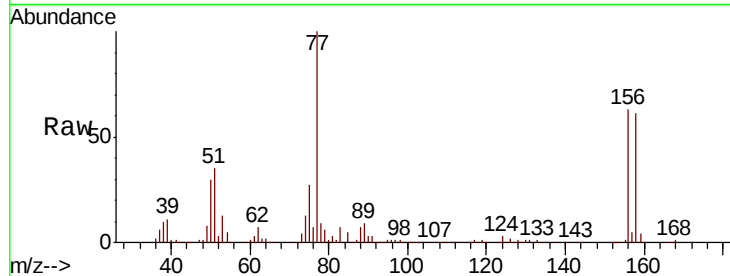
ClientSampled :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.5	91.6	274.9
158	96.3	48.1	144.3

Manual Integrations
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11/6/2018 10:00:03 AM

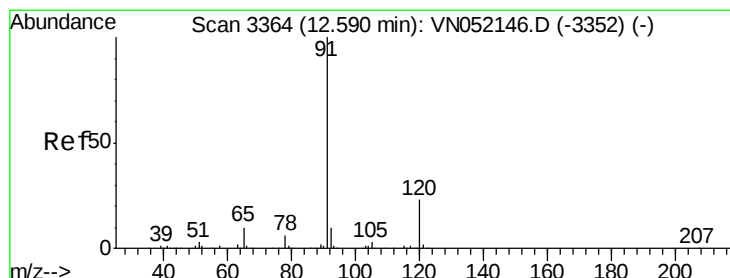
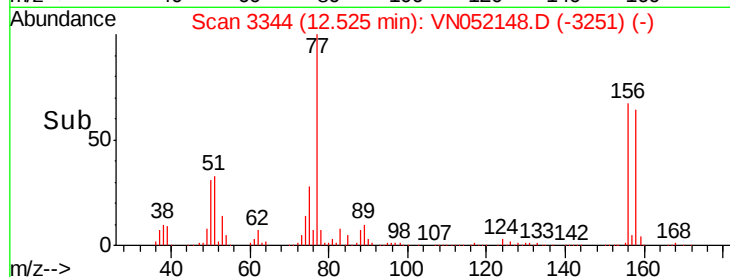
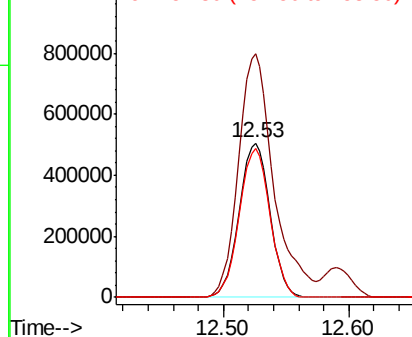


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.178 ug/l

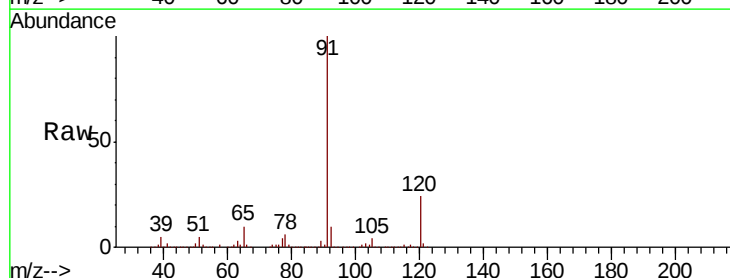
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

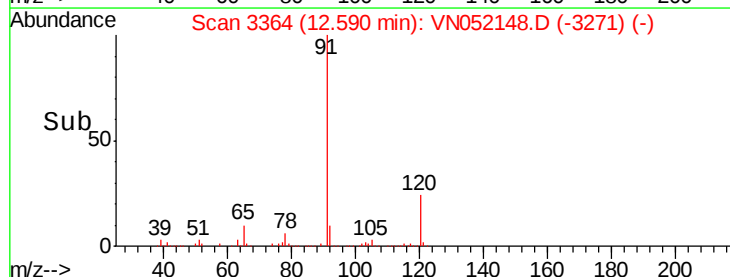
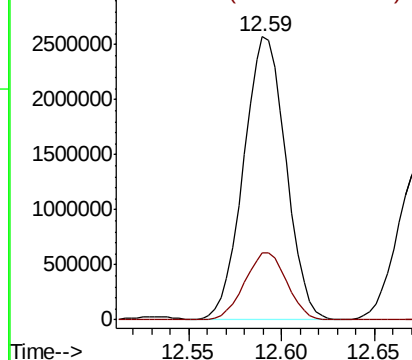
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.7

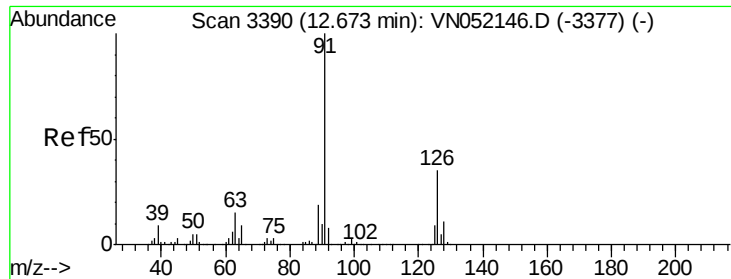


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 142.515 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 2302133

Ion Ratio Lower Upper

91 100

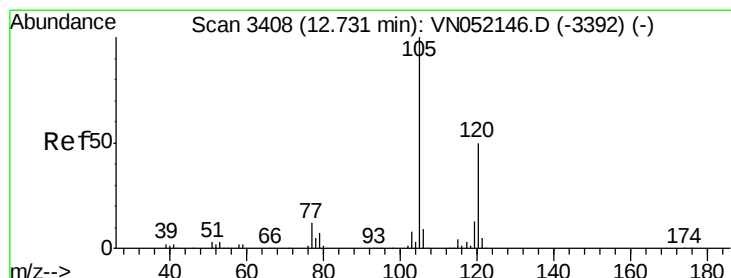
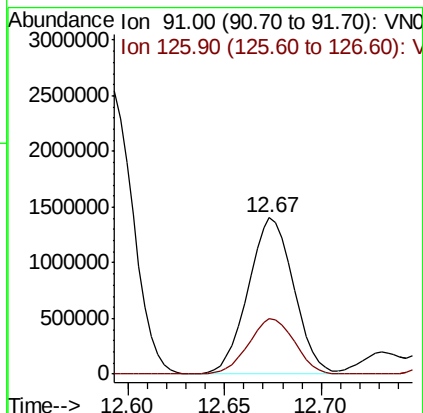
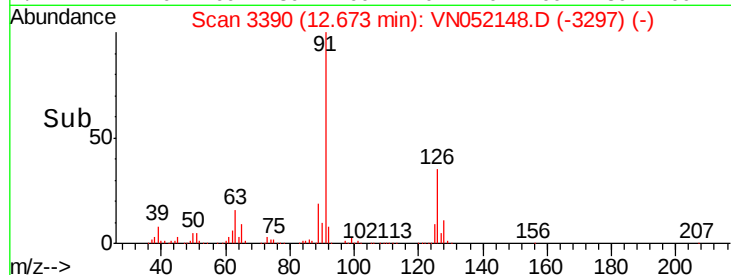
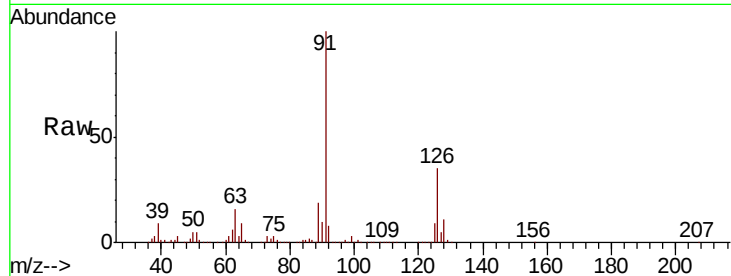
126 36.0 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 145.734 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052148.D

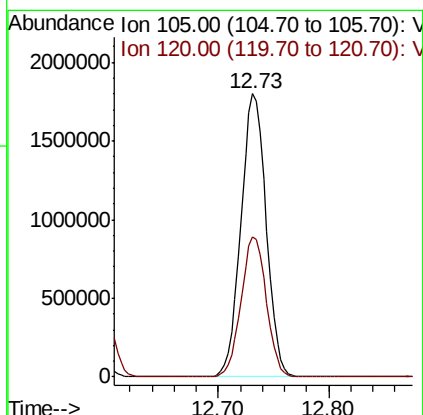
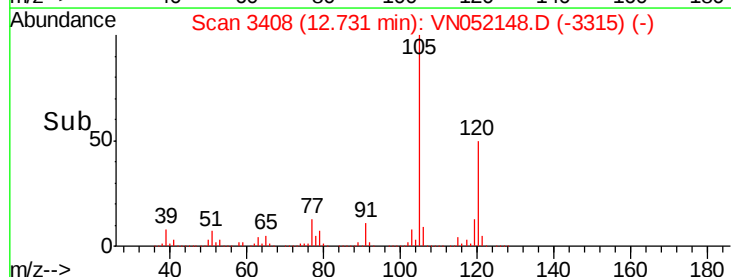
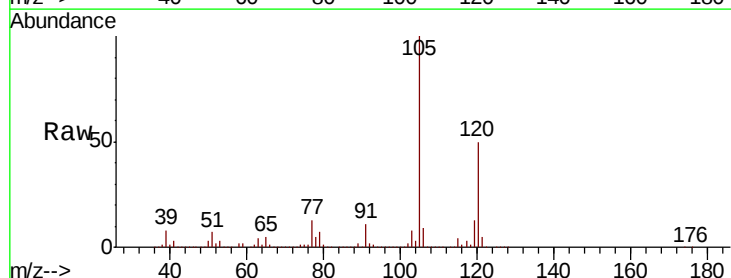
Acq: 5 Nov 2018 14:56

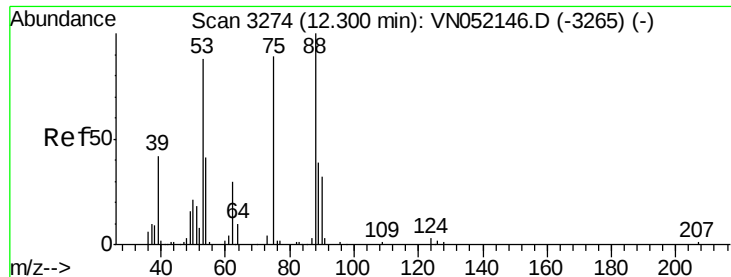
Tgt Ion: 105 Resp: 2843344

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 171.996 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

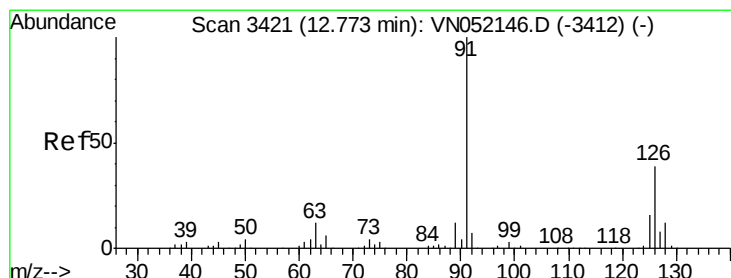
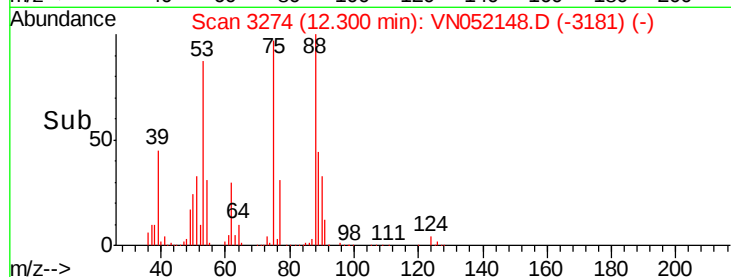
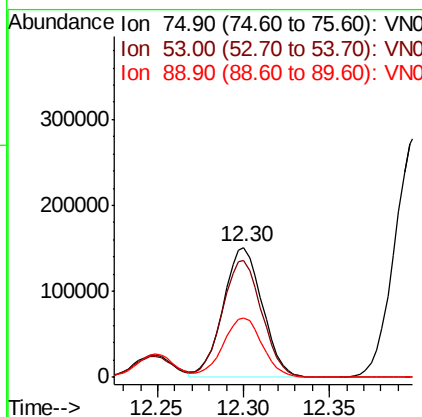
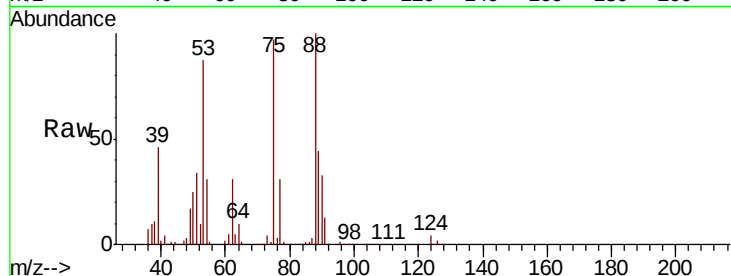
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	240983
Ion Ratio	Lower	Upper	
75	100		
53	90.9	79.4	119.0
89	45.8	35.8	53.8

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#82

4-Chlorotoluene

Concen: 147.380 ug/l

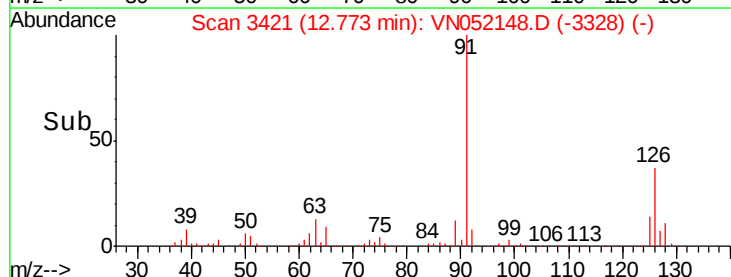
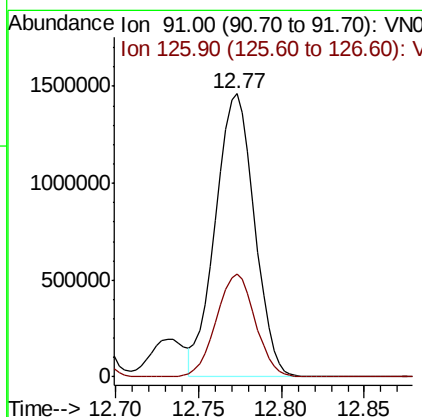
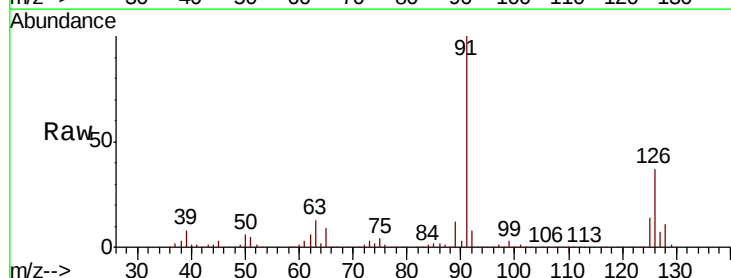
RT: 12.77 min Scan# 3421

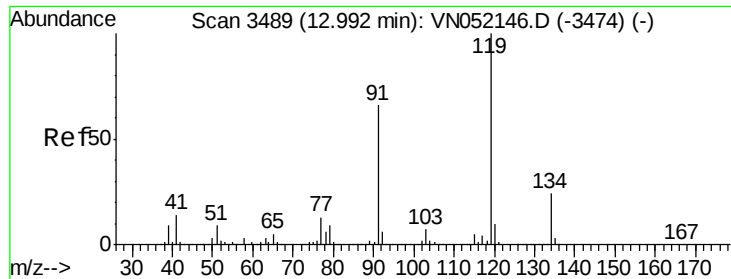
Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Tgt Ion:	91	Resp:	2392827
Ion Ratio	Lower	Upper	
91	100		
126	36.2	17.8	53.5





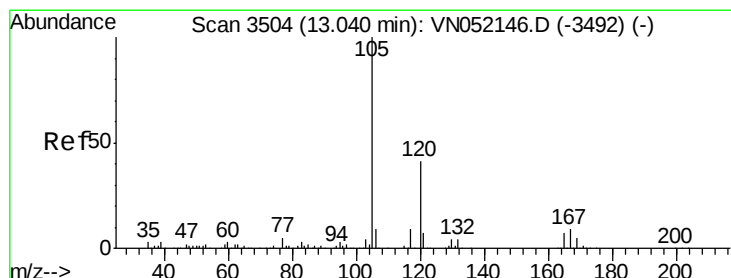
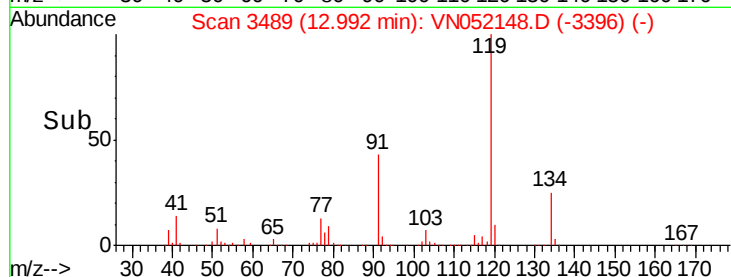
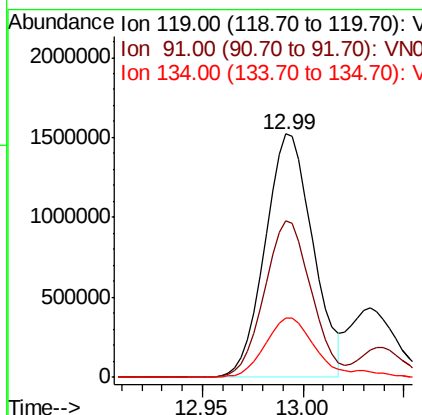
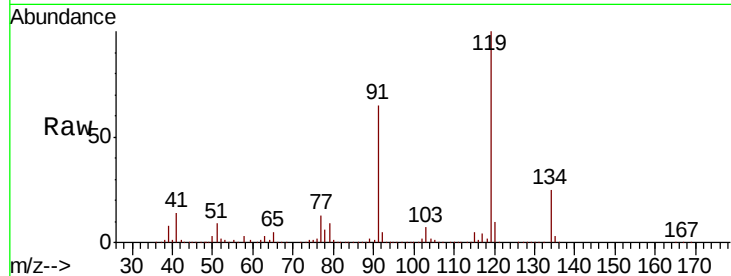
#83
tert-Butylbenzene
Concen: 145.256 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 2502430
Ion Ratio Lower Upper
119 100
91 63.3 32.3 96.8
134 26.5 13.0 38.9

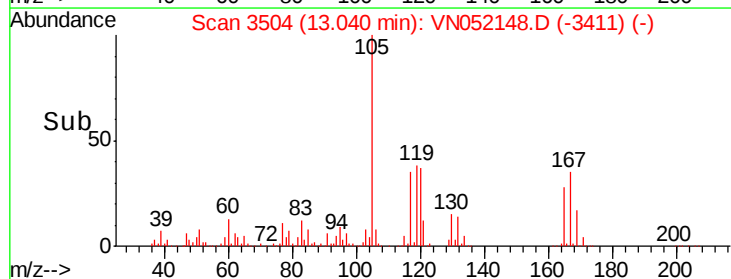
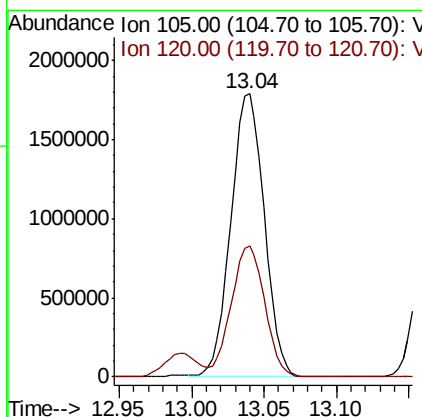
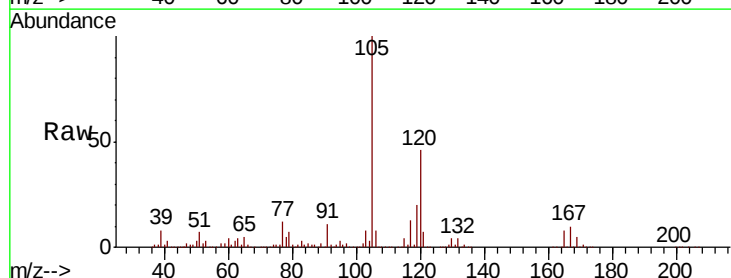
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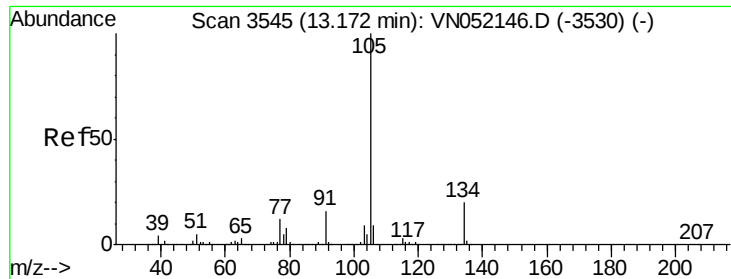
MMDadoda
11/6/2018 10:00:03 AM



#84
1,2,4-Trimethylbenzene
Concen: 147.726 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion:105 Resp: 2869047
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.5





#85

sec-Butylbenzene

Concen: 148.239 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3453244

Ion Ratio Lower Upper

105 100

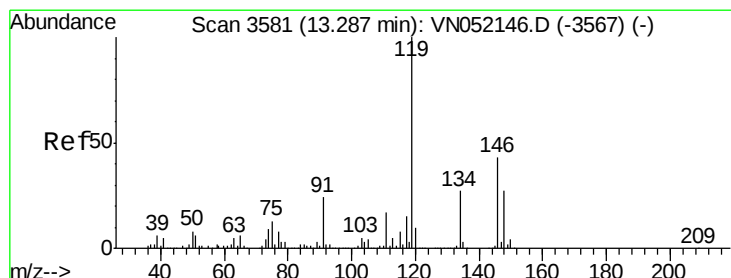
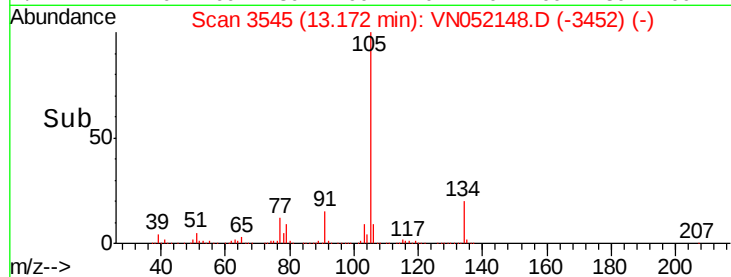
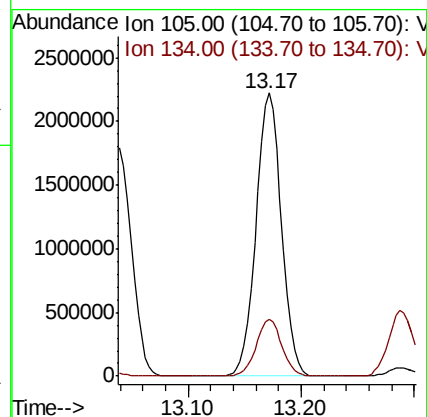
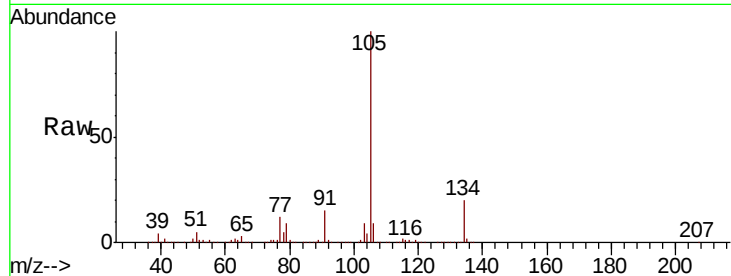
134 20.2 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 152.281 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

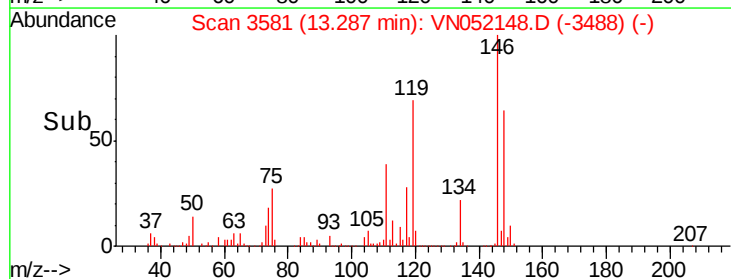
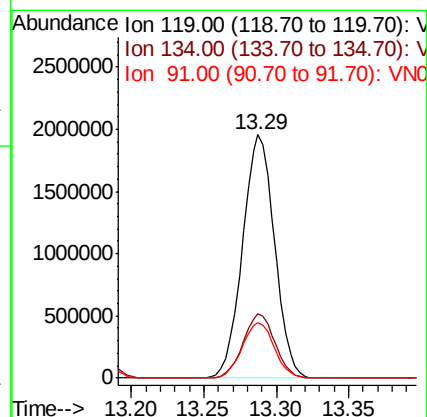
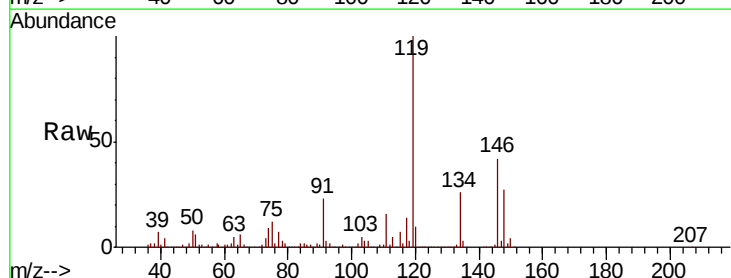
Tgt Ion:119 Resp: 2985814

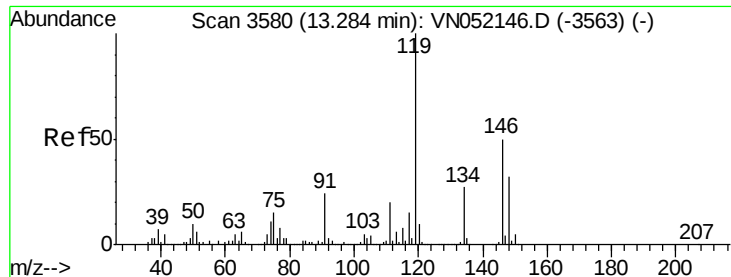
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 22.9 11.9 35.7





#87
 1,3-Dichlorobenzene
 Concen: 150.146 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

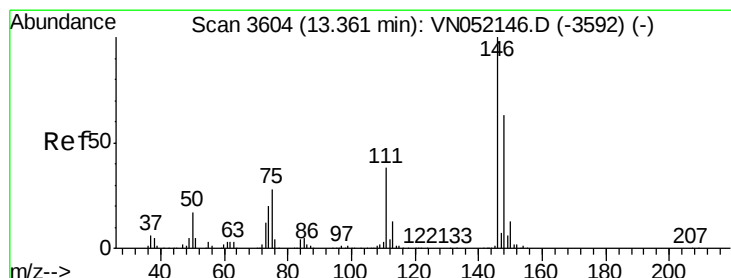
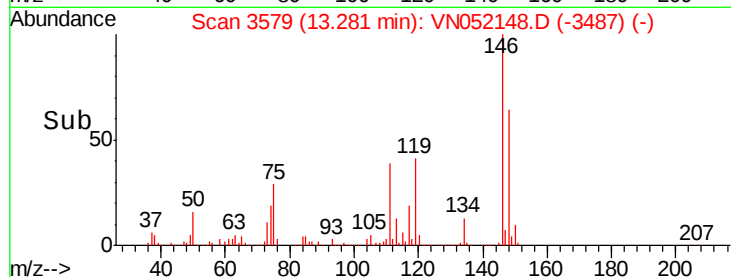
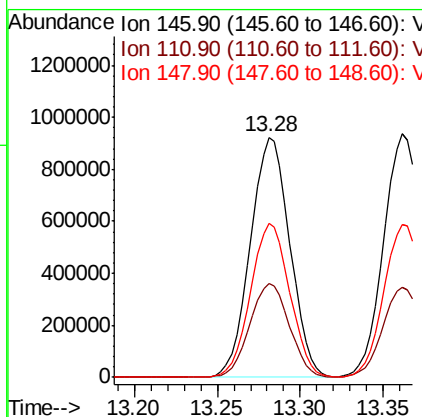
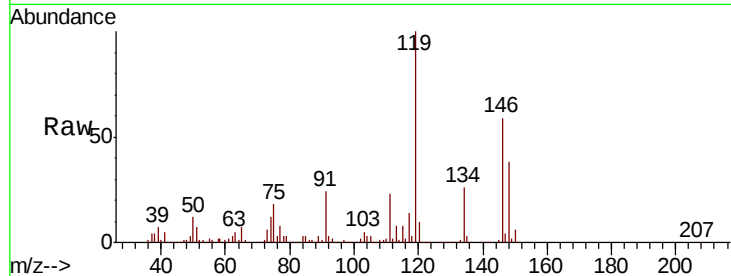
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1525072

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.2	60.6
148	63.6	32.1	96.3

Manual Integrations
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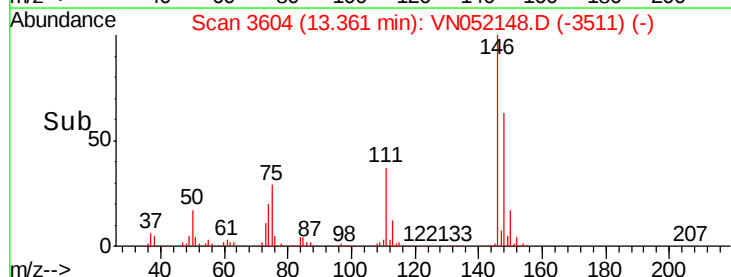
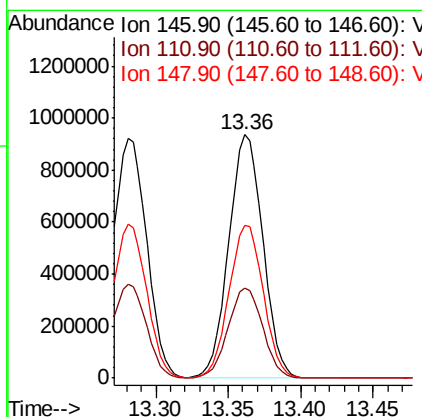
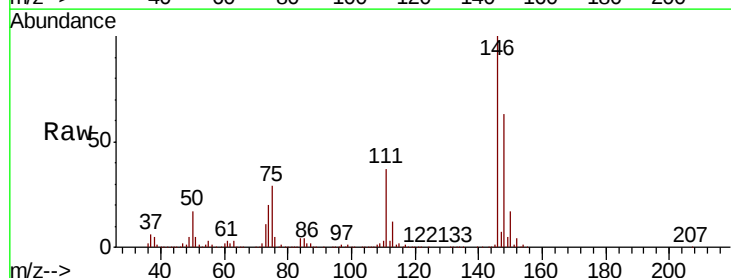
MMDadoda
 11/6/2018 10:00:03 AM

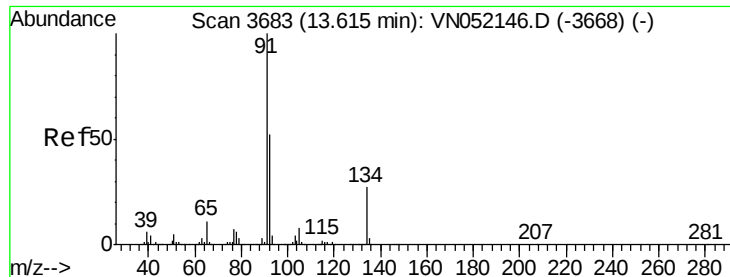


#88
 1,4-Dichlorobenzene
 Concen: 151.004 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion:146 Resp: 1533053

Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.4	58.1
148	63.1	31.5	94.5





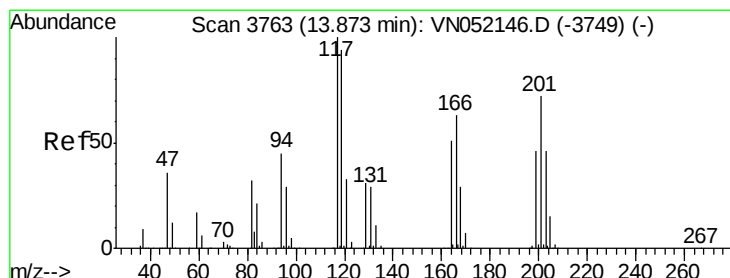
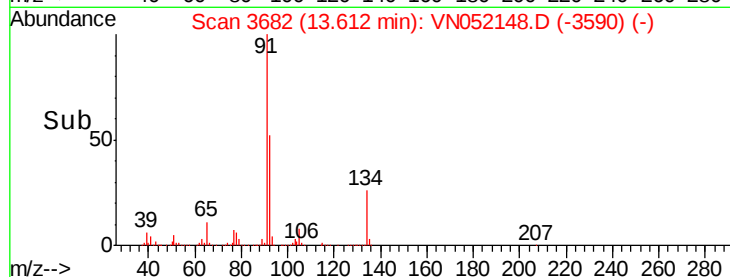
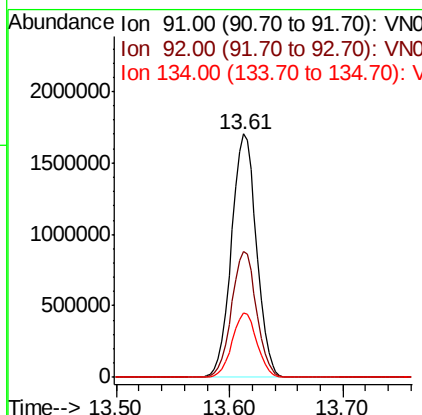
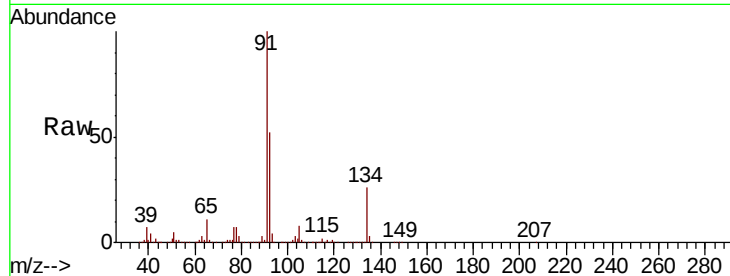
#89
n-Butylbenzene
Concen: 154.106 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2616386
Ion Ratio Lower Upper
91 100
92 51.5 26.3 78.8
134 26.3 13.4 40.2

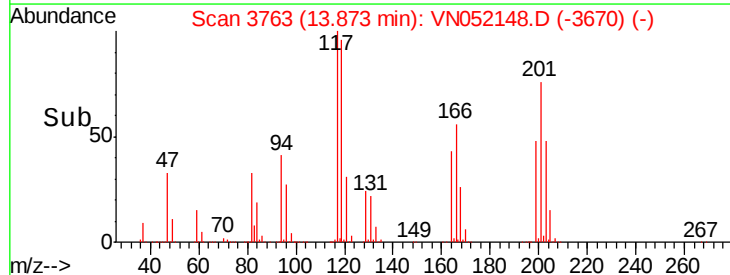
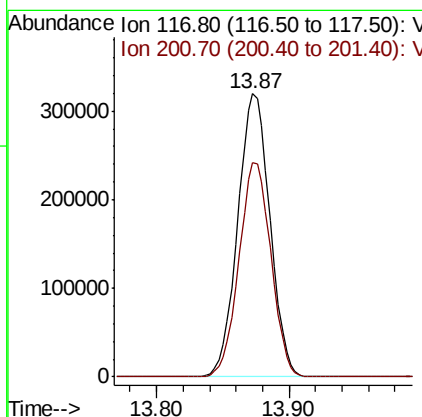
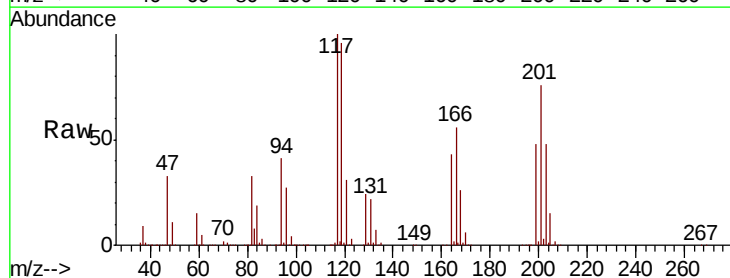
Manual Integrations
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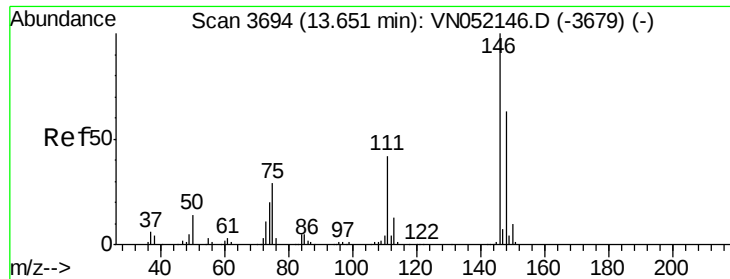
MMDadoda
11/6/2018 10:00:03 AM



#90
Hexachloroethane
Concen: 162.843 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052148.D
Acq: 5 Nov 2018 14:56

Tgt Ion: 117 Resp: 538108
Ion Ratio Lower Upper
117 100
201 75.4 36.8 110.3





#91

1,2-Dichlorobenzene

Concen: 148.683 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 1417295

Ion Ratio Lower Upper

146 100

111 40.3 21.1 63.1

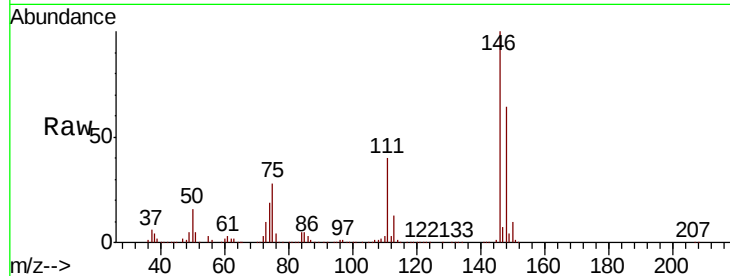
148 64.0 31.4 94.3

Manual Integrations

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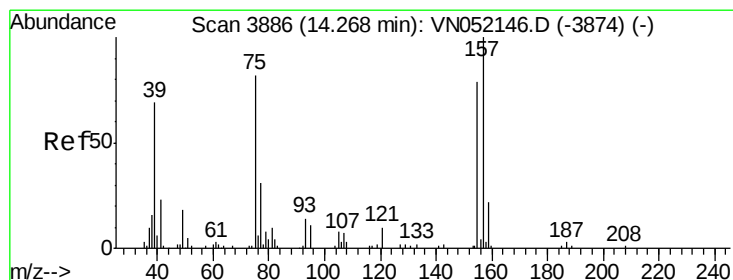
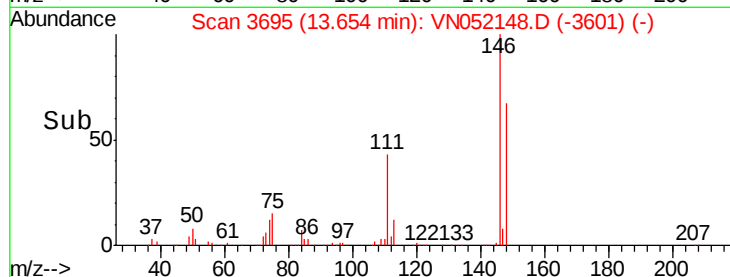
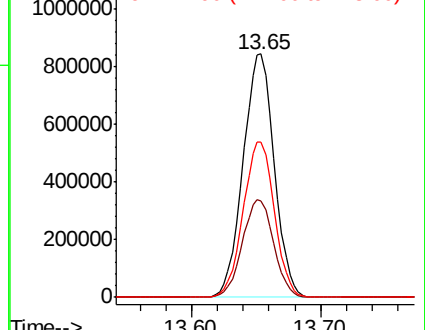
11/6/2018 10:00:03 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 153.952 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

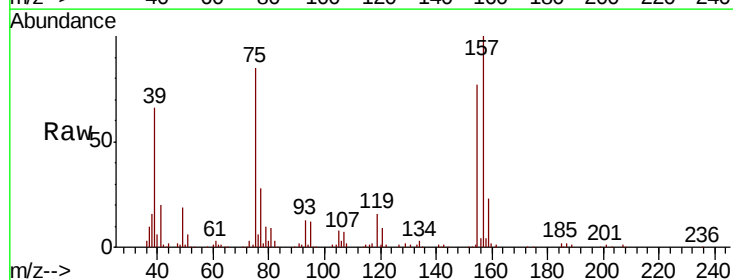
Tgt Ion: 75 Resp: 107221

Ion Ratio Lower Upper

75 100

155 88.9 47.4 142.2

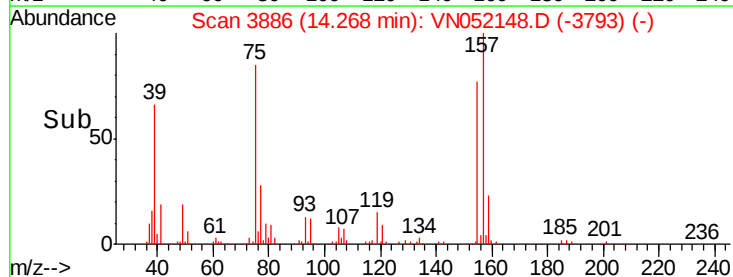
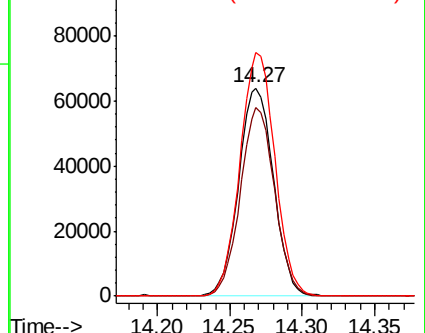
157 117.0 60.3 180.8

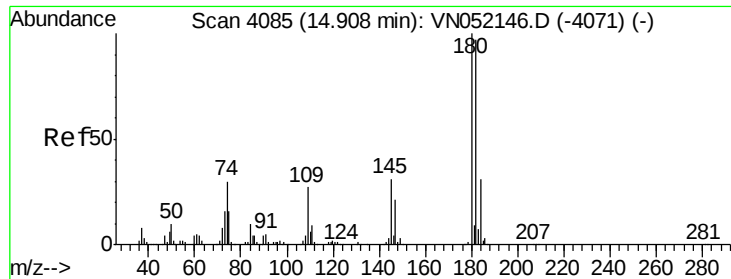


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





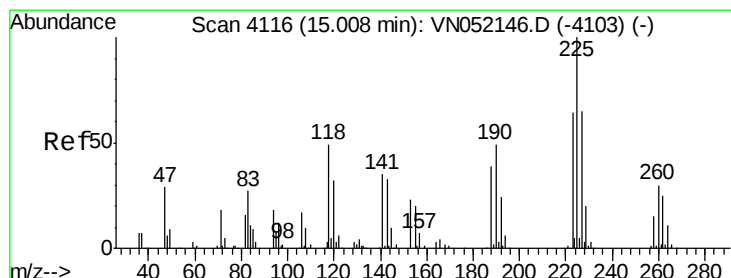
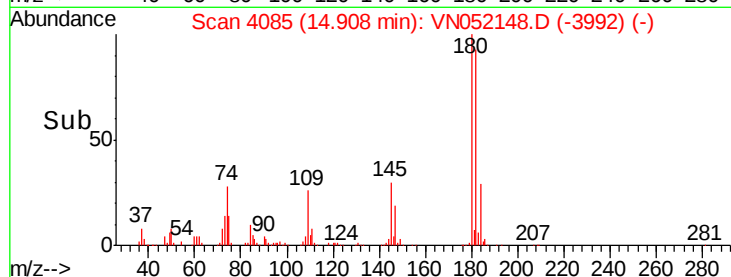
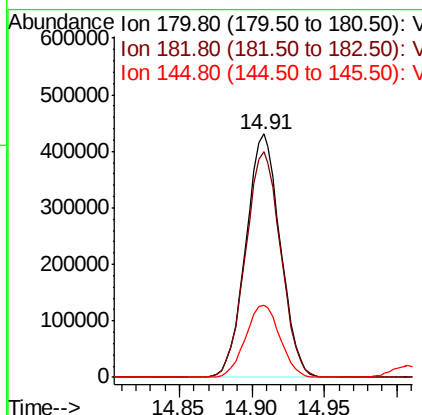
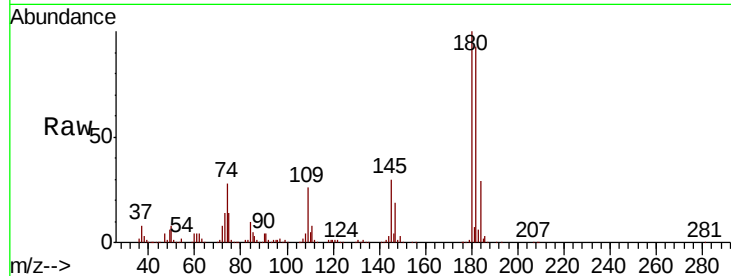
#93
 1,2,4-Trichlorobenzene
 Concen: 160.524 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	711183		
182	94.7	48.1	144.4	
145	29.9	15.3	45.9	

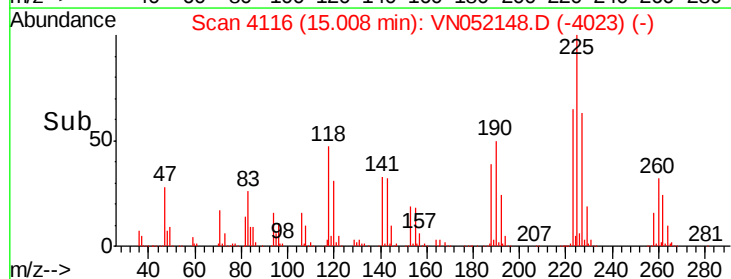
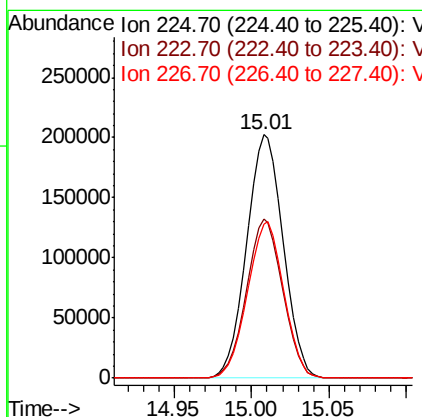
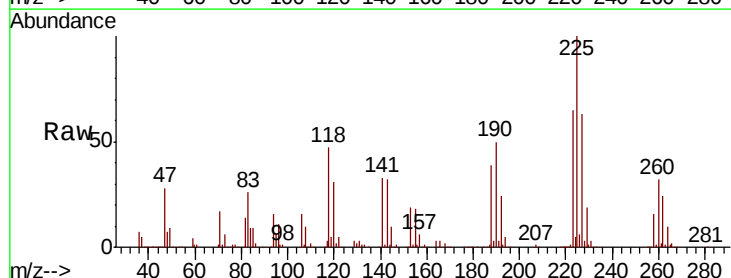
Manual Integrations
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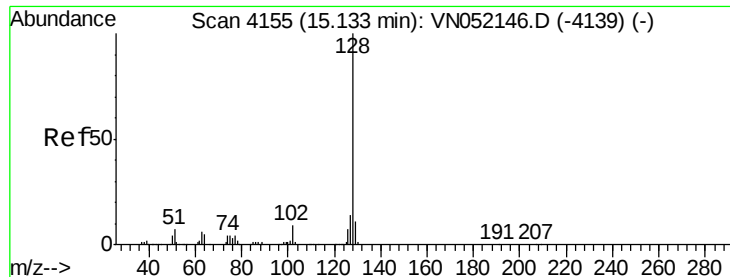
MMDadoda
 11/6/2018 10:00:03 AM



#94
 Hexachlorobutadiene
 Concen: 129.426 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052148.D
 Acq: 5 Nov 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	333350		
223	64.7	32.3	96.8	
227	63.7	31.6	94.8	





#95

Naphthalene

Concen: 158.572 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1547977

Ion Ratio Lower Upper

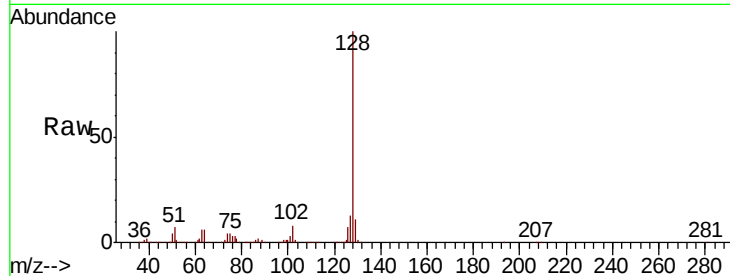
128 100

127 13.3 10.8 16.2

129 10.7 9.1 13.7

Manual Integrations
APPROVED

MMDadoda
11/6/2018 10:00:03 AM

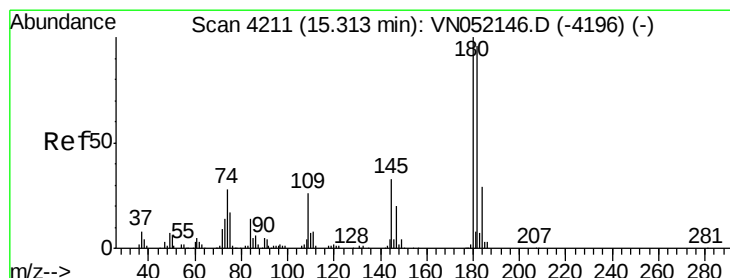
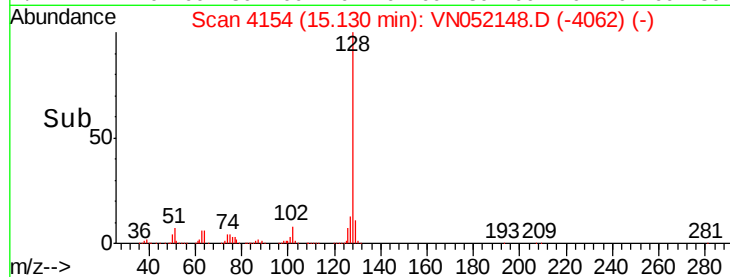
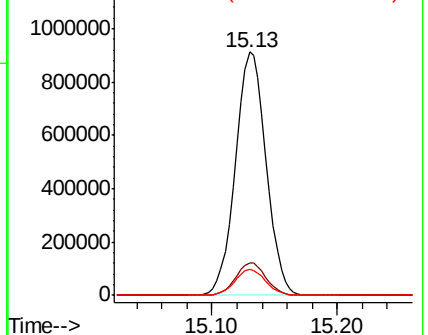


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 154.217 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052148.D

Acq: 5 Nov 2018 14:56

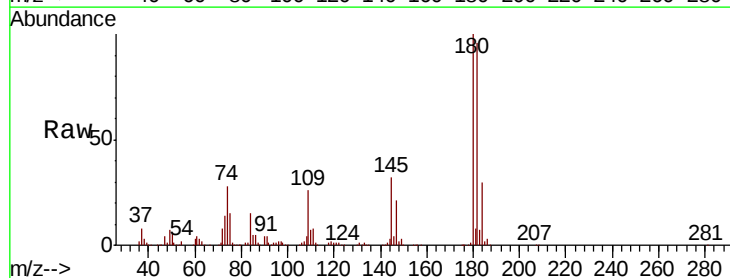
Tgt Ion:180 Resp: 605433

Ion Ratio Lower Upper

180 100

182 96.1 46.6 139.7

145 32.4 16.7 50.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

