

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052151.D
 Acq On : 5 Nov 2018 16:27
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Nov 06 05:47:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	441890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	723925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	303741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	187705	35.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.64%	
35) Dibromofluoromethane	7.59	113	172525	38.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.76%	
50) Toluene-d8	10.09	98	670555	38.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.18%	
62) 4-Bromofluorobenzene	12.40	95	226943	39.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	186985	48.526	ug/l	98
3) Chloromethane	2.06	50	238699	45.896	ug/l	100
4) Vinyl Chloride	2.19	62	234323	47.041	ug/l	99
5) Bromomethane	2.57	94	165056	44.322	ug/l	96
6) Chloroethane	2.71	64	149485	46.934	ug/l	100
7) Trichlorofluoromethane	3.02	101	339630	46.937	ug/l	100
8) Diethyl Ether	3.41	74	118528	46.887	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	210348	48.648	ug/l	99
10) Methyl Iodide	3.96	142	285552	46.775	ug/l	99
11) Tert butyl alcohol	4.77	59	52155	228.964	ug/l	98
12) 1,1-Dichloroethene	3.74	96	191811	47.118	ug/l	99
13) Acrolein	3.61	56	49933	222.047	ug/l	97
14) Allyl chloride	4.33	41	322366	47.447	ug/l	96
15) Acrylonitrile	4.98	53	338955	227.298	ug/l	99
16) Acetone	3.81	43	268264	225.972	ug/l	96
17) Carbon Disulfide	4.06	76	557839	48.021	ug/l	99
18) Methyl Acetate	4.32	43	155296	41.165	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	527017	47.041	ug/l	96
20) Methylene Chloride	4.55	84	224058	45.423	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	209134	46.338	ug/l	95
22) Diisopropyl ether	5.95	45	712602	47.811	ug/l	99
23) Vinyl Acetate	5.90	43	2417410	245.377	ug/l	99
24) 1,1-Dichloroethane	5.85	63	398344	47.042	ug/l	99
25) 2-Butanone	6.83	43	412593	224.132	ug/l	97
26) 2,2-Dichloropropane	6.83	77	324611	48.982	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	249308	48.545	ug/l	98
28) Bromochloromethane	7.20	49	127593	31.847	ug/l	97
29) Tetrahydrofuran	7.21	42	256889	225.543	ug/l	98
30) Chloroform	7.37	83	404960	47.993	ug/l	94
31) Cyclohexane	7.65	56	385072	49.253	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	353962	47.618	ug/l	99
36) 1,1-Dichloropropene	7.80	75	314600	49.125	ug/l	99
37) Ethyl Acetate	6.93	43	186338	47.231	ug/l #	95
38) Carbon Tetrachloride	7.78	117	315056	49.207	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	387593	51.103	ug/l	96
40) Benzene	8.04	78	917930	48.759	ug/l	97
41) Methacrylonitrile	7.17	41	98528	44.692	ug/l	97
42) 1,2-Dichloroethane	8.12	62	290947	48.075	ug/l	100
43) Isopropyl Acetate	8.16	43	339048	46.400	ug/l #	89
44) Trichloroethene	8.84	130	249212	50.000	ug/l	97
45) 1,2-Dichloropropane	9.12	63	243871	48.914	ug/l	98
46) Dibromomethane	9.21	93	147919	46.651	ug/l	98
47) Bromodichloromethane	9.40	83	304271	49.205	ug/l	100
48) Methyl methacrylate	9.20	41	168535	47.922	ug/l	99
49) 1,4-Dioxane	9.20	88	30801	1032.202	ug/l	91
51) 4-Methyl-2-Pentanone	9.98	43	924148	239.395	ug/l	100
52) Toluene	10.16	92	580702	51.152	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	307994	50.771	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	364654	51.369	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	203238	50.777	ug/l	96
56) Ethyl methacrylate	10.43	69	255535	48.980	ug/l	99
57) 1,3-Dichloropropane	10.71	76	341128	48.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356306	126.902	ug/l	99
59) 2-Hexanone	10.75	43	659236	245.317	ug/l	99
60) Dibromochloromethane	10.90	129	226501	49.761	ug/l	97
61) 1,2-Dibromoethane	11.00	107	204731	50.389	ug/l	99
64) Tetrachloroethene	10.63	164	218441	51.469	ug/l	99
65) Chlorobenzene	11.43	112	653337	48.930	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	229864	51.261	ug/l	99
67) Ethyl Benzene	11.51	91	1114160	50.238	ug/l	98
68) m/p-Xylenes	11.62	106	872605	101.971	ug/l	99
69) o-Xylene	11.95	106	417323	50.286	ug/l	99
70) Styrene	11.96	104	670516	51.038	ug/l	99
71) Bromoform	12.13	173	137559	46.229	ug/l #	98
73) Isopropylbenzene	12.25	105	1116636	48.622	ug/l	98
74) N-amyl acetate	12.07	43	320579	47.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222197	44.201	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	199600m	41.757	ug/l	
77) Bromobenzene	12.53	156	267608	48.865	ug/l	98
78) n-propylbenzene	12.59	91	1281931	48.842	ug/l	100
79) 2-Chlorotoluene	12.67	91	725767	47.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	901044	48.470	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65916	49.376	ug/l	95
82) 4-Chlorotoluene	12.77	91	746996	48.288	ug/l	99
83) tert-Butylbenzene	12.99	119	793352	48.332	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	904916	48.902	ug/l	100
85) sec-Butylbenzene	13.17	105	1097480	49.446	ug/l	99
86) p-Isopropyltoluene	13.29	119	942714	50.462	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	475862	49.170	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	465032	48.073	ug/l	98
89) n-Butylbenzene	13.61	91	811802	50.184	ug/l	99
90) Hexachloroethane	13.87	117	159587	50.687	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	446316	49.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30755	46.347	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205011	47.957	ug/l	98
94) Hexachlorobutadiene	15.01	225	109177	51.160	ug/l	98
95) Naphthalene	15.13	128	443840	47.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	180504	48.970	ug/l	98

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

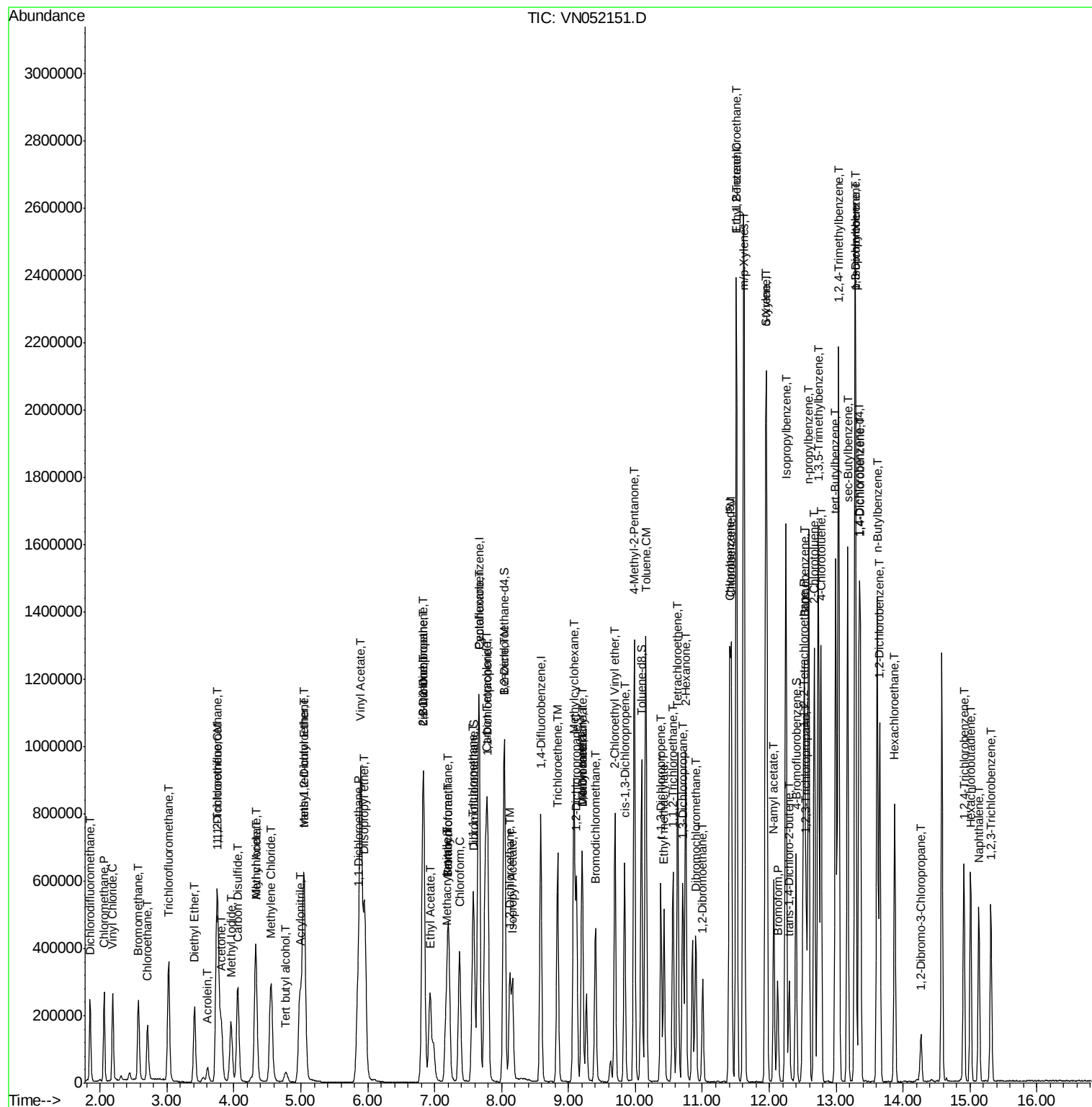
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Acq On : 5 Nov 2018 16:27
Operator : MD\SY
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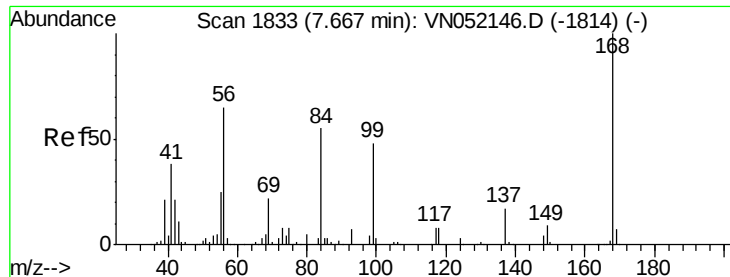
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 441890

Ion Ratio Lower Upper

168 100

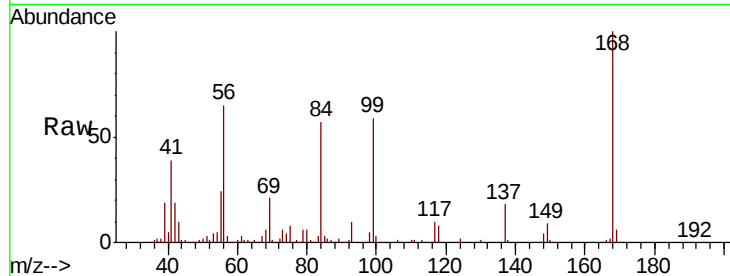
99 58.7 45.4 68.2

Manual Integrations

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11/6/2018 10:00:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

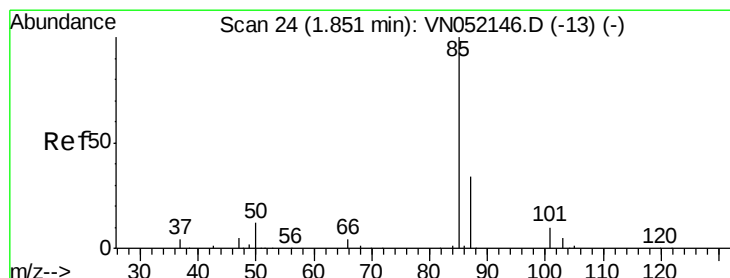
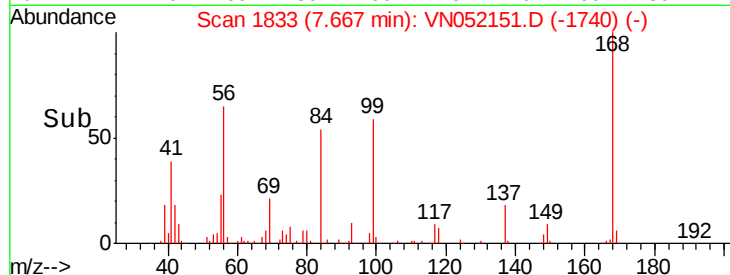
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.526 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052151.D

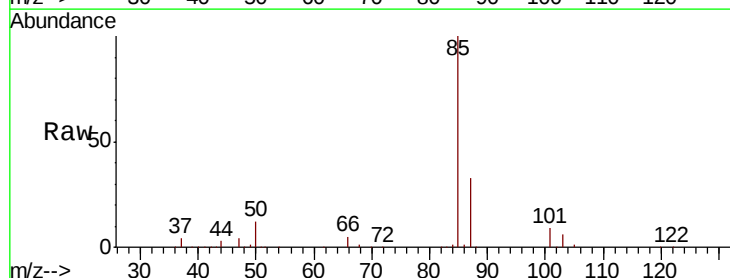
Acq: 5 Nov 2018 16:27

Tgt Ion: 85 Resp: 186985

Ion Ratio Lower Upper

85 100

87 32.7 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

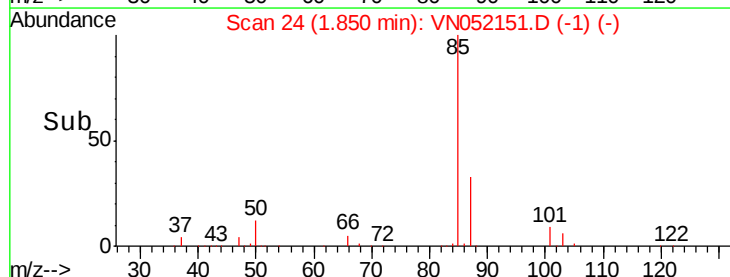
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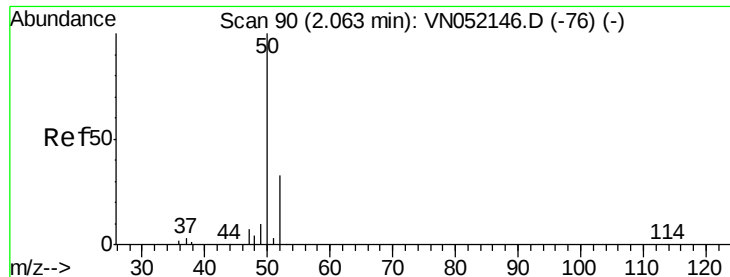
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.896 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 238699

Ion Ratio Lower Upper

50 100

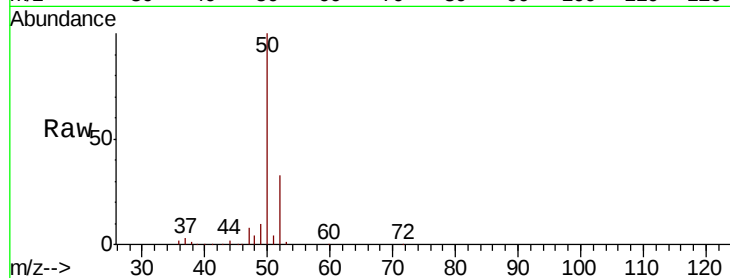
52 32.7 26.2 39.4

Manual Integrations

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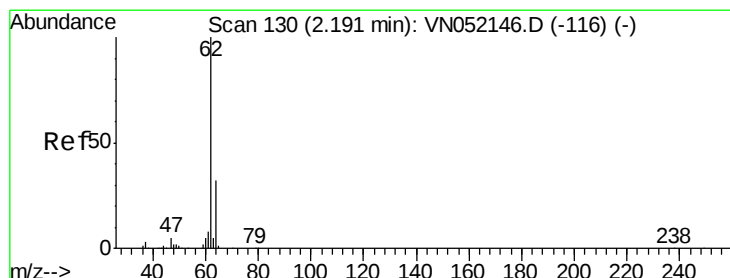
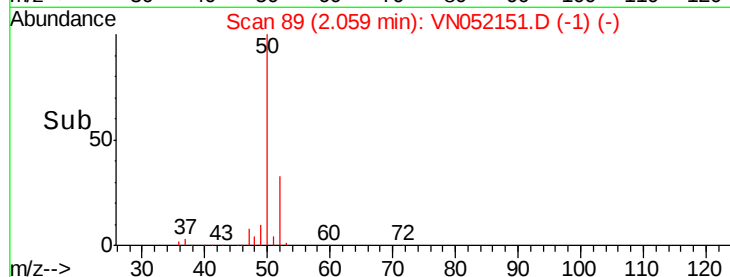
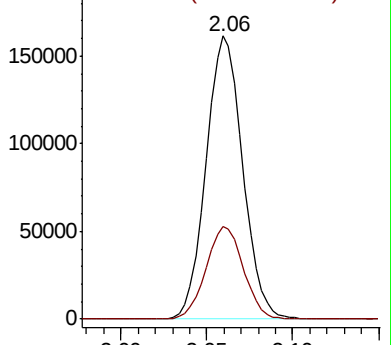
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.041 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052151.D

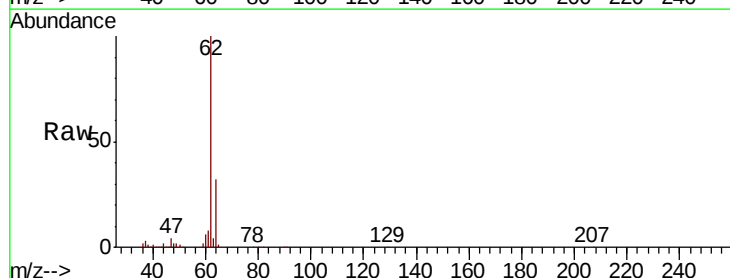
Acq: 5 Nov 2018 16:27

Tgt Ion: 62 Resp: 234323

Ion Ratio Lower Upper

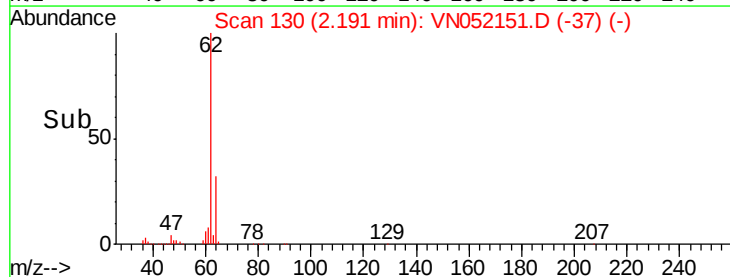
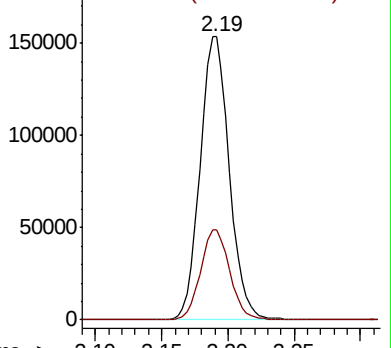
62 100

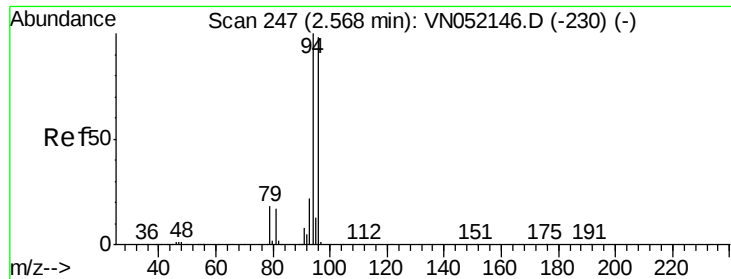
64 31.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 44.322 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

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Acq: 5 Nov 2018 16:27

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Tot Ion: 94 Resp: 165056

Ion Ratio Lower Upper

94 100

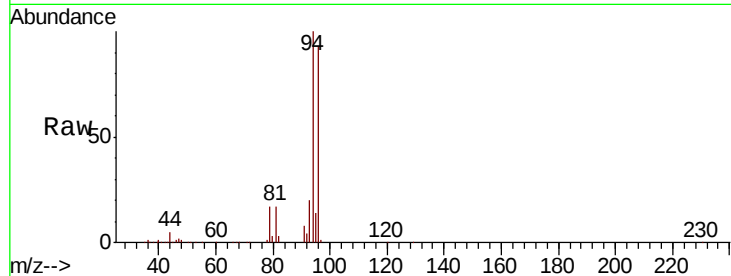
96 93.5 78.3 117.5

Manual Integrations

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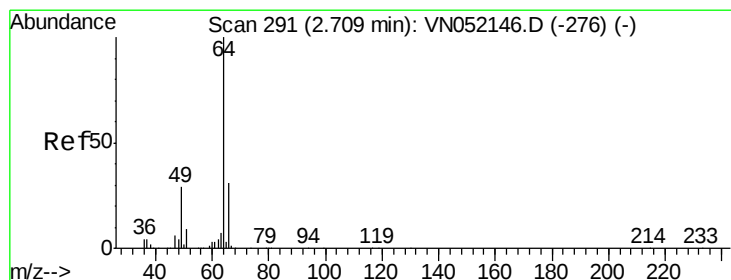
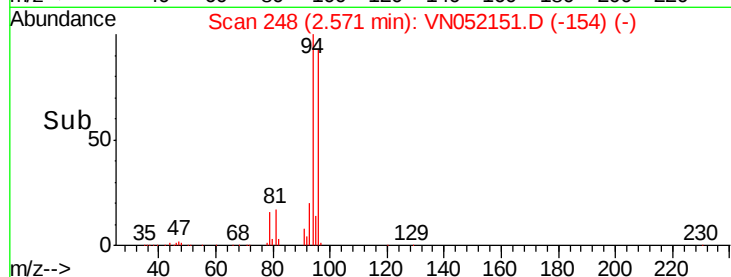
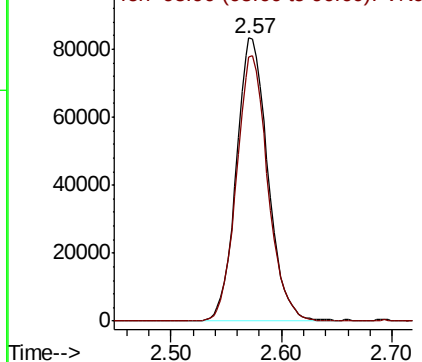
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.934 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052151.D

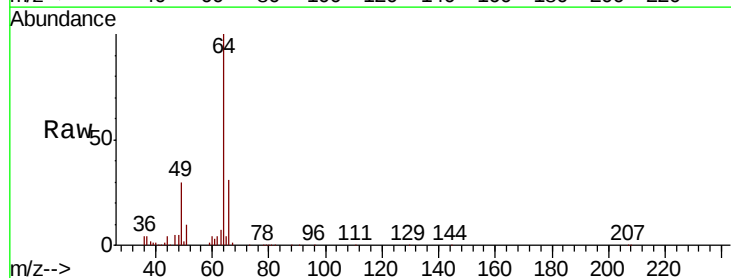
Acq: 5 Nov 2018 16:27

Tgt Ion: 64 Resp: 149485

Ion Ratio Lower Upper

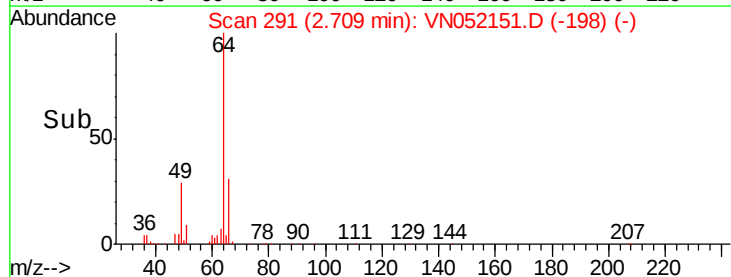
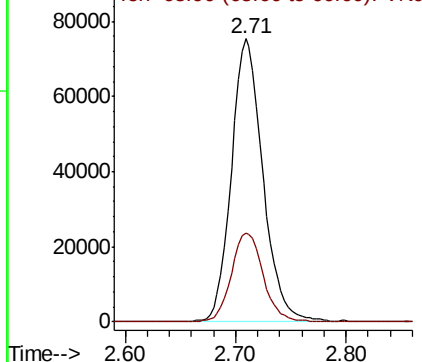
64 100

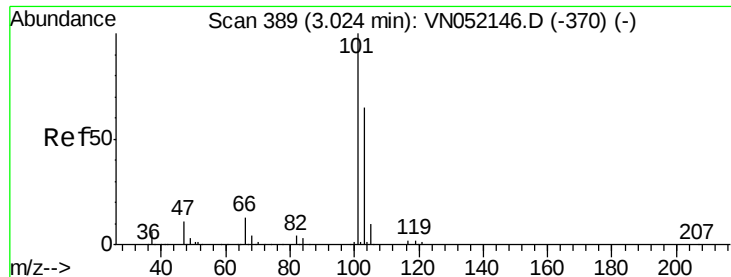
66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

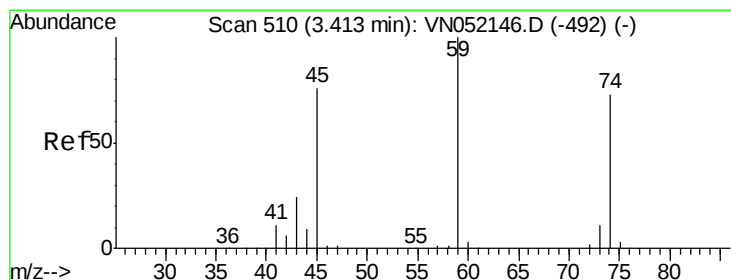
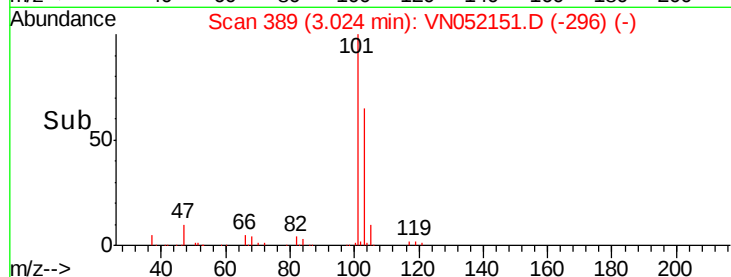
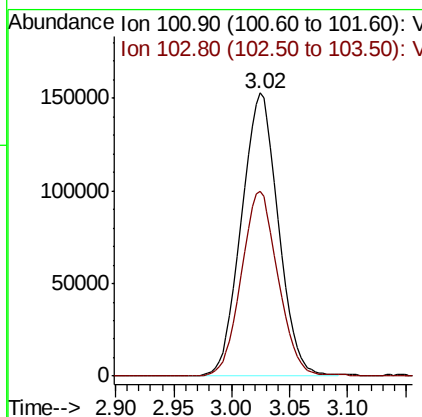
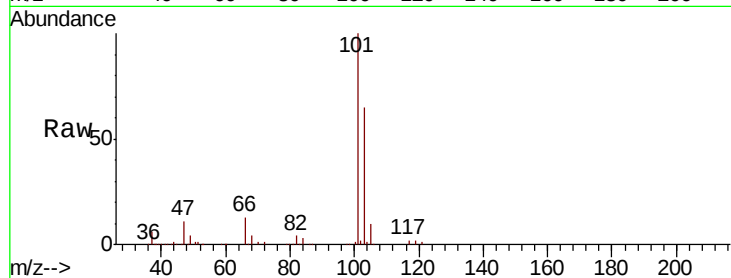
Trichlorofluoromethane
Concen: 46.937 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

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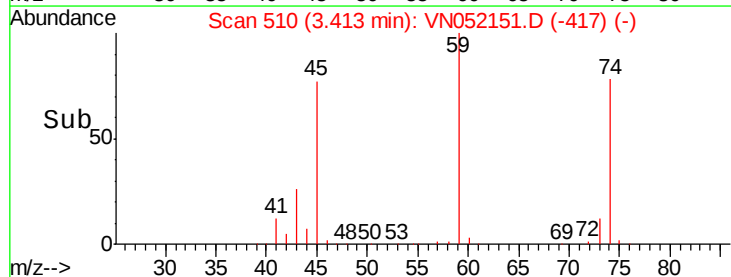
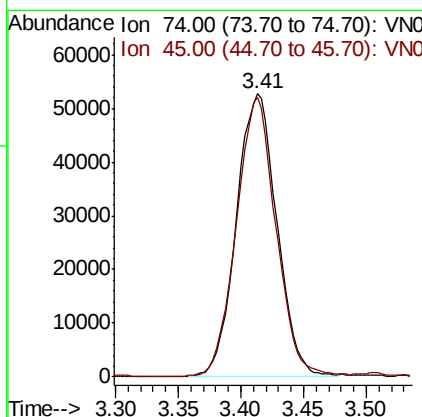
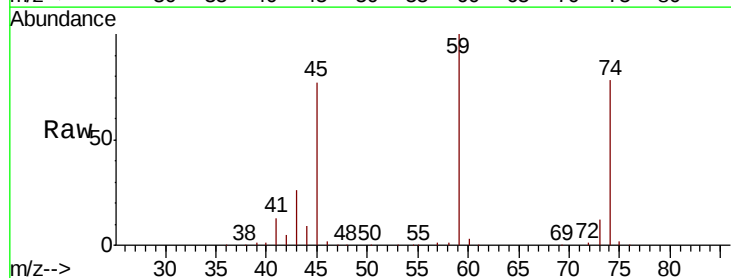
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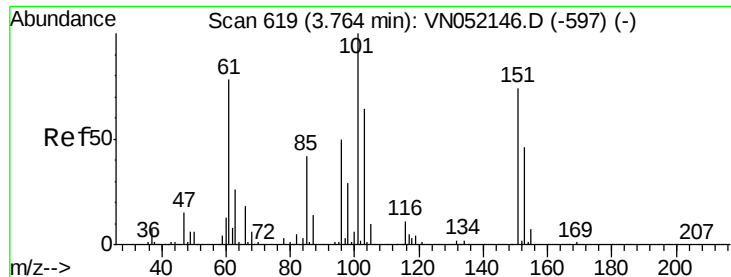


#8

Diethyl Ether
Concen: 46.887 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.648 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

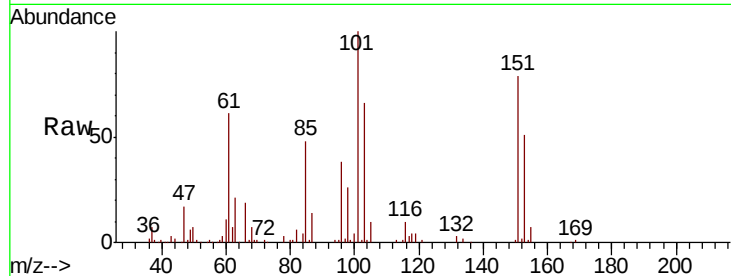
ClientSampleId :

VSTDCCC050

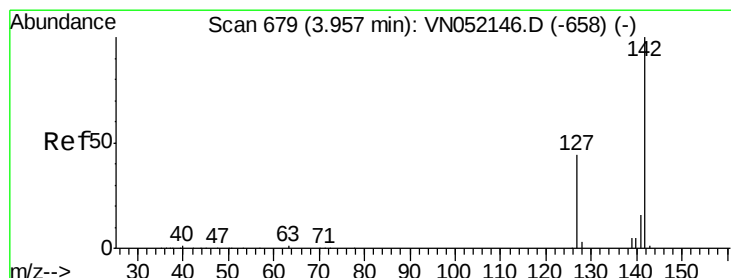
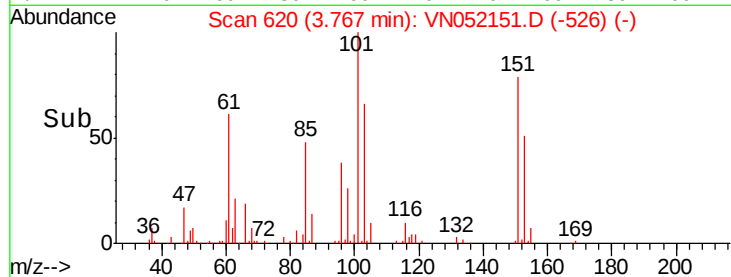
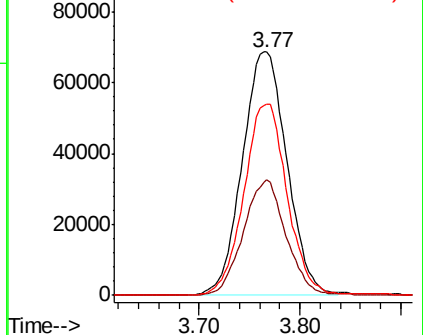
Tot Ion:	101	Resp:	210348
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.1	54.1
151	76.2	59.7	89.5

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



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.775 ug/l

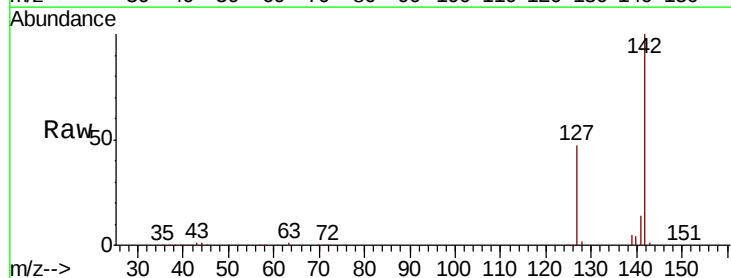
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

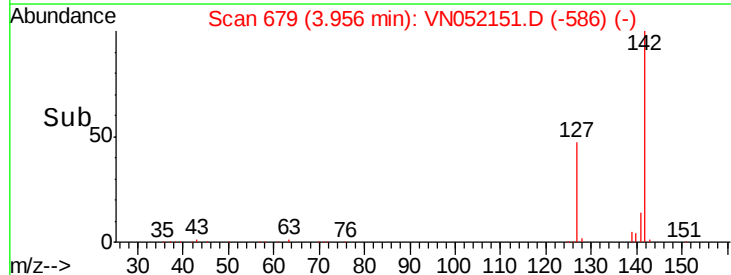
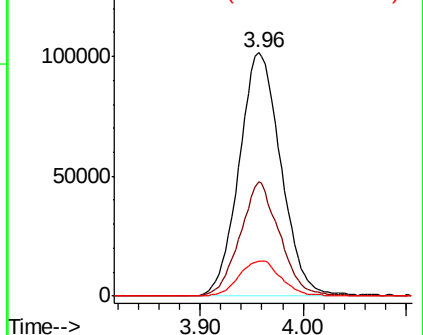
Lab File: VN052151.D

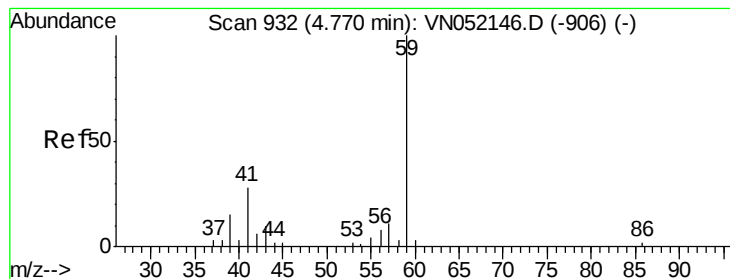
Acq: 5 Nov 2018 16:27

Tgt Ion:	142	Resp:	285552
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.0	54.0
141	14.6	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

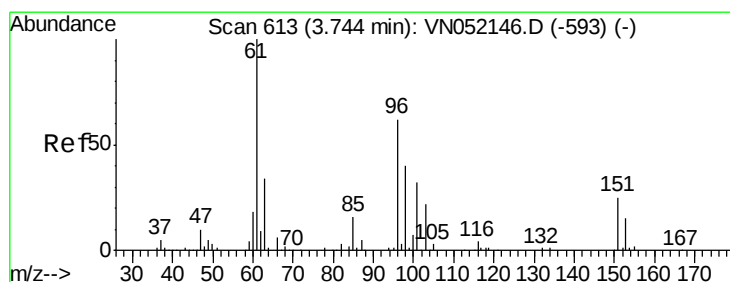
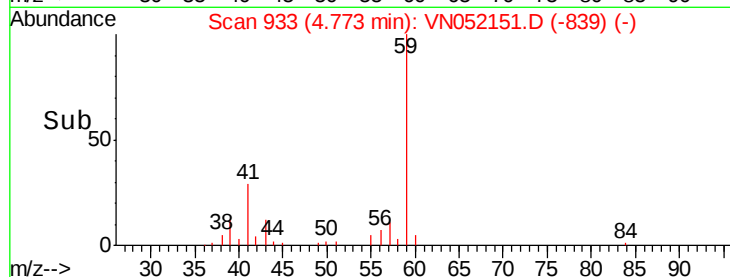
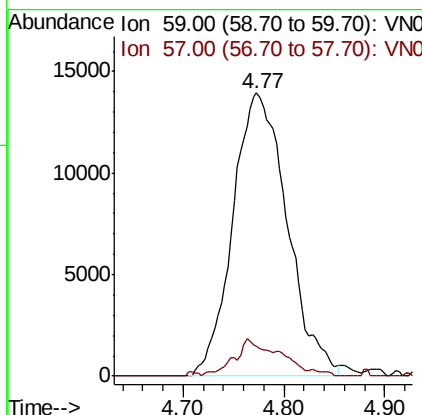
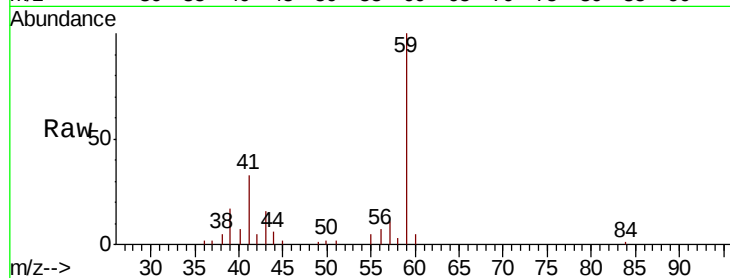
Tert butyl alcohol
Concen: 228.964 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	5.7	8.5

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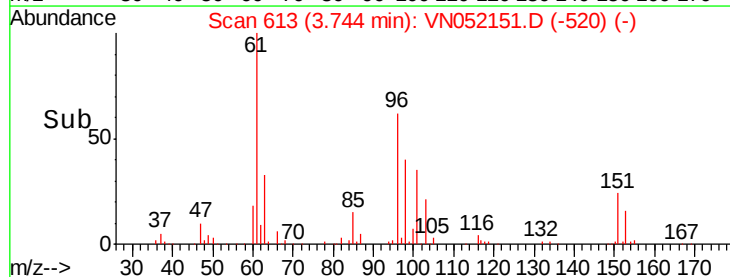
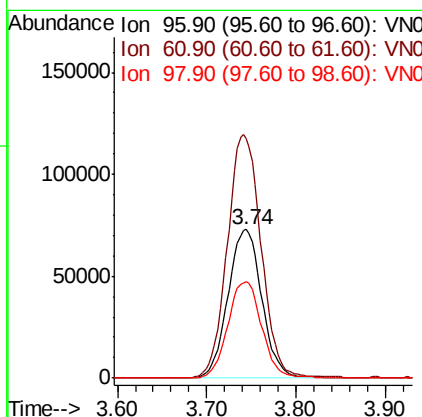
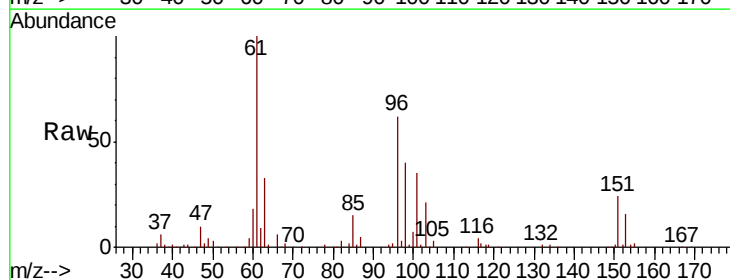
MMDadoda
11/6/2018 10:00:11 AM

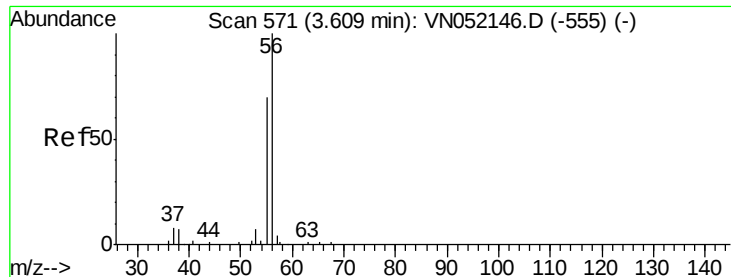


#12

1,1-Dichloroethene
Concen: 47.118 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	128.4	192.6
98	65.3	50.9	76.3





#13

Acrolein

Concen: 222.047 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 49933

Ion Ratio Lower Upper

56 100

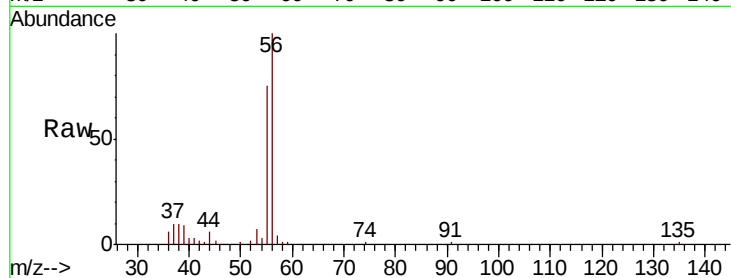
55 68.3 56.6 84.8

Manual Integrations

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11/6/2018 10:00:11 AM



Abundance Ion 56.00 (55.70 to 56.70): VN052151.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052151.D (-478) (-)

20000

15000

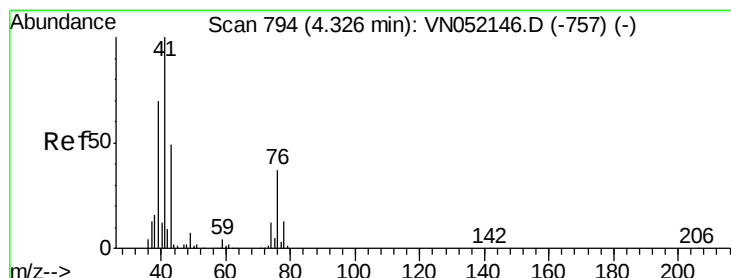
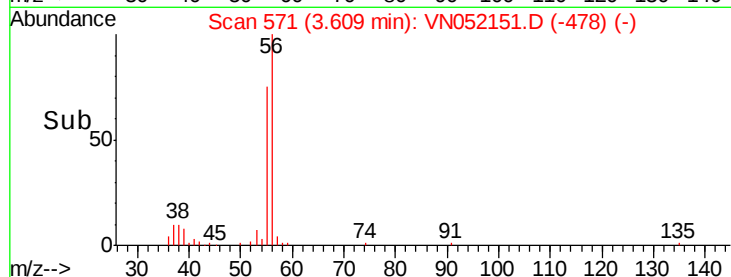
10000

5000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 47.447 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

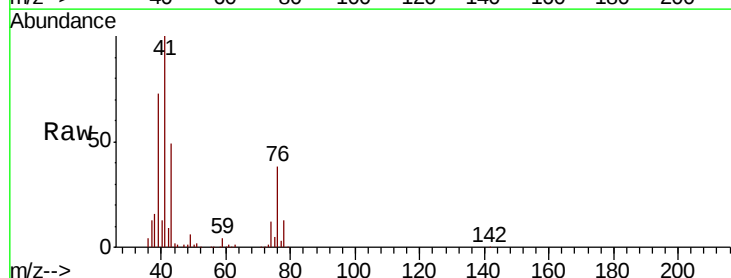
Tgt Ion: 41 Resp: 322366

Ion Ratio Lower Upper

41 100

39 71.8 55.3 82.9

76 37.1 27.8 41.8



Abundance Ion 41.00 (40.70 to 41.70): VN052151.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN052151.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN052151.D (-701) (-)

150000

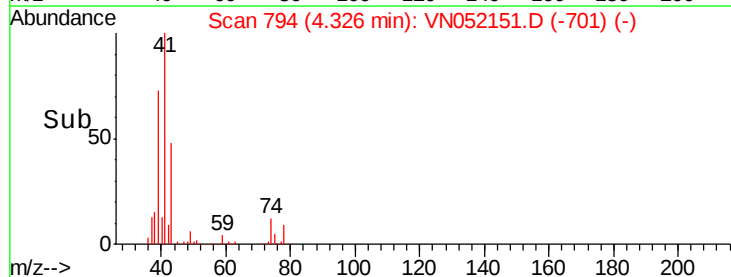
100000

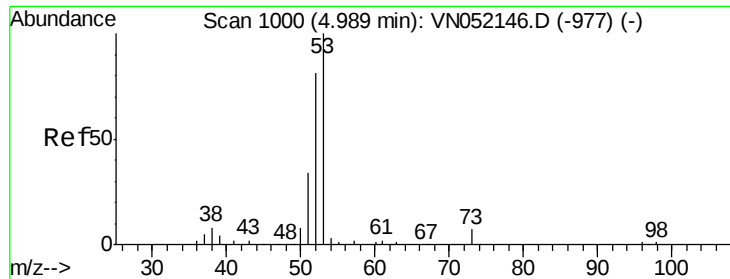
50000

0

4.20 4.30 4.40

Time-->





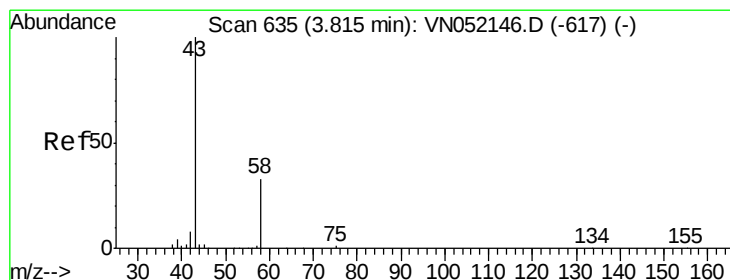
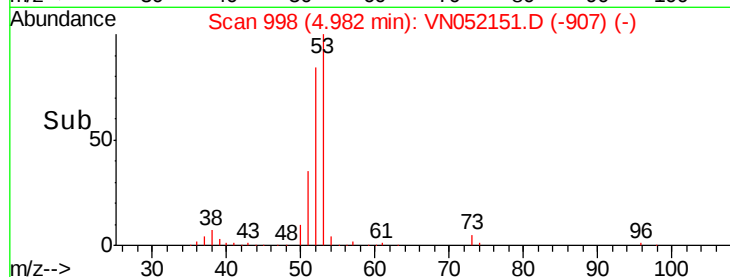
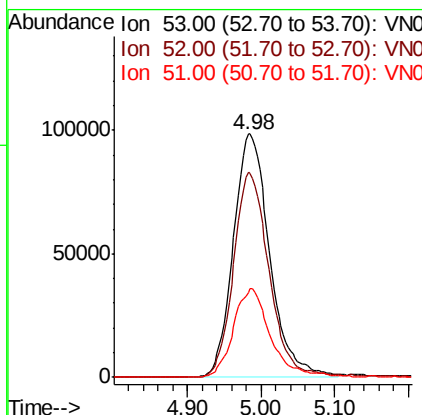
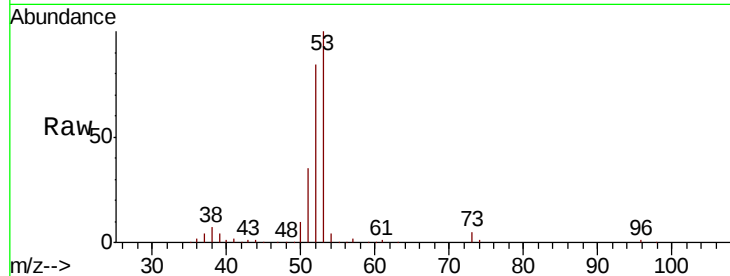
#15
 Acrylonitrile
 Concen: 227.298 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.5	99.7
51	36.4	29.2	43.8

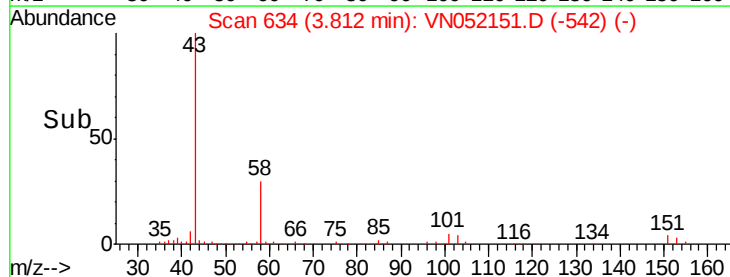
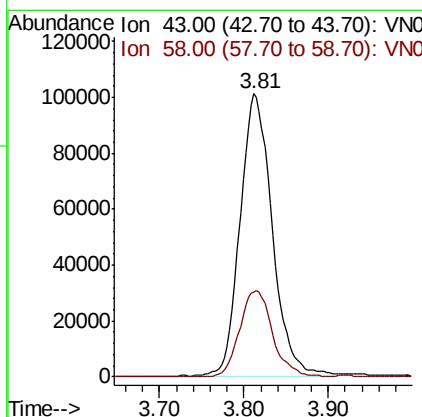
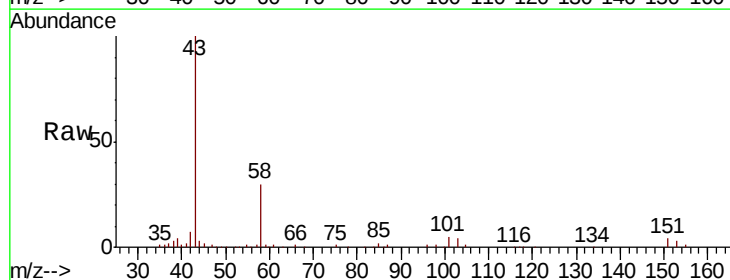
Manual Integrations
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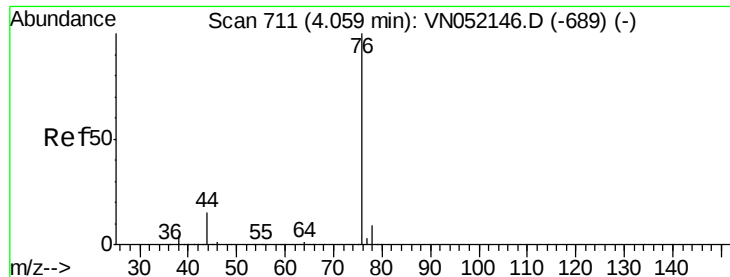
MMDadoda
 11/6/2018 10:00:11 AM



#16
 Acetone
 Concen: 225.972 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	26.2	39.2





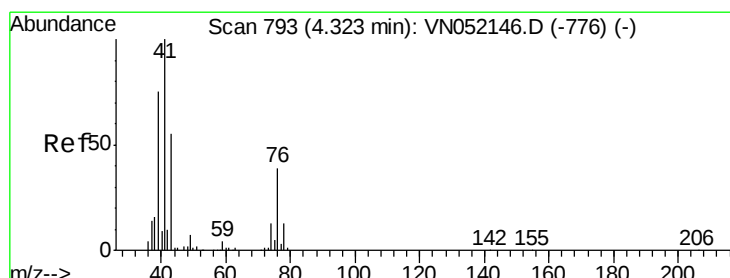
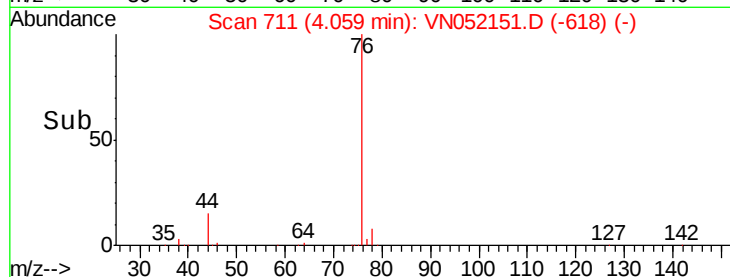
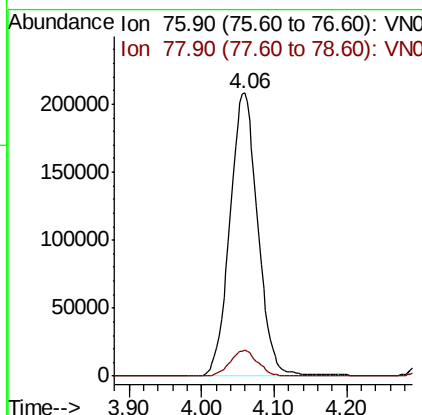
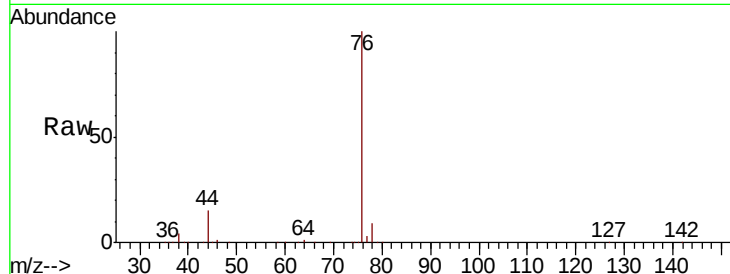
#17
Carbon Disulfide
Concen: 48.021 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

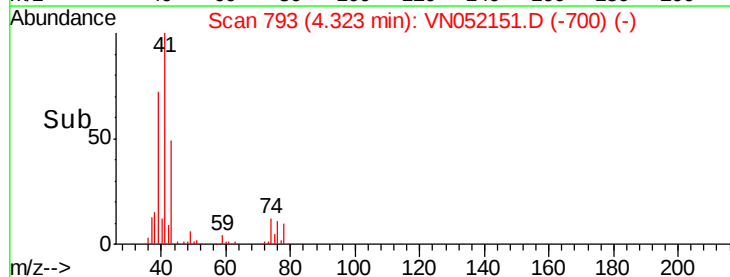
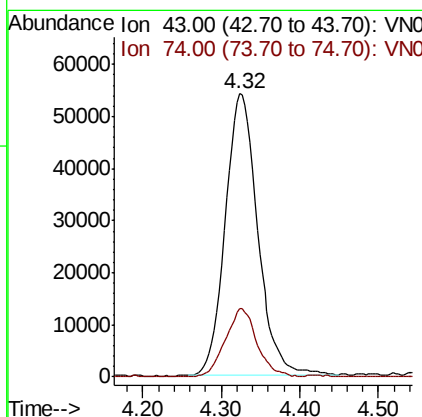
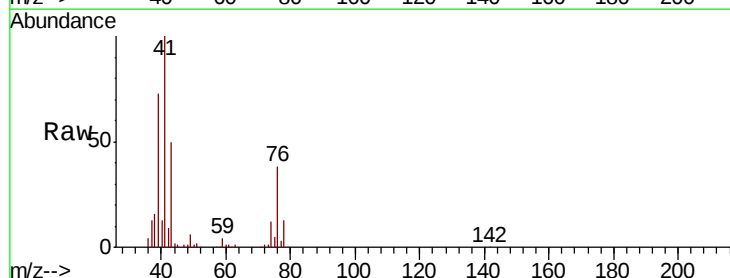
Manual Integrations
APPROVED

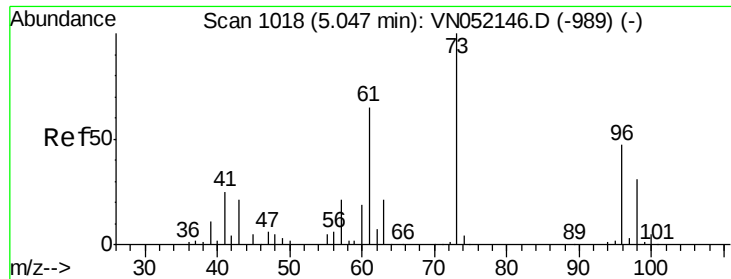
MMDadoda
11/6/2018 10:00:11 AM



#18
Methyl Acetate
Concen: 41.165 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.3	28.9





#19

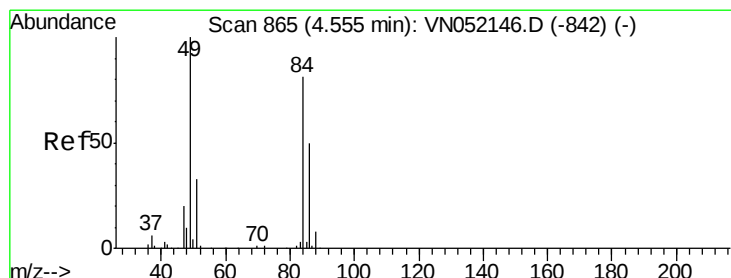
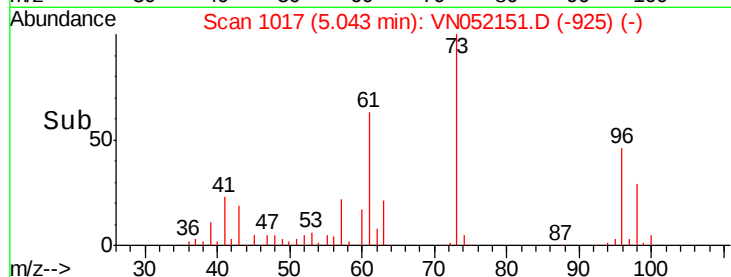
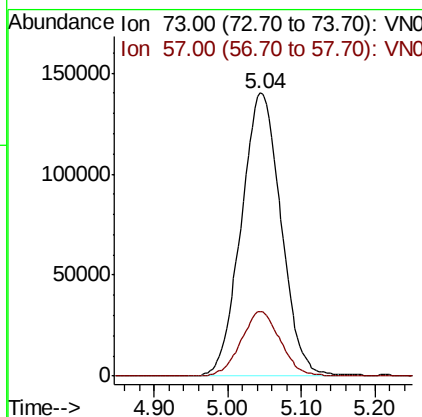
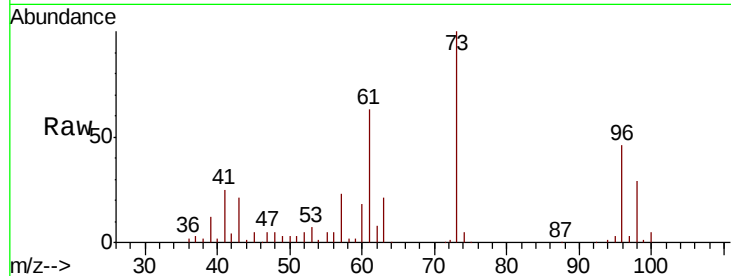
Methyl tert-butyl Ether
 Concen: 47.041 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	16.8	25.2

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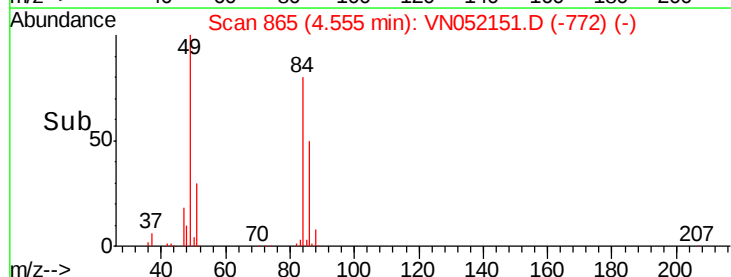
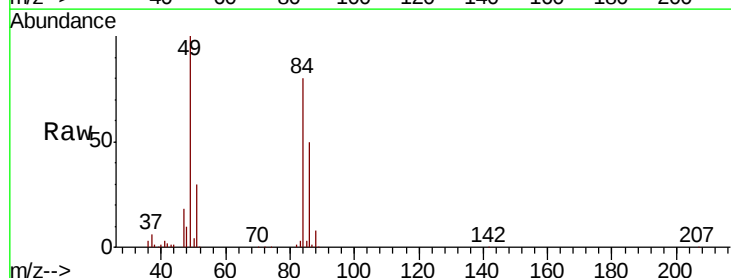
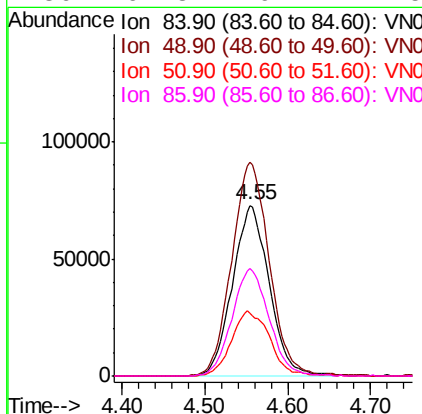
MMDadoda
 11/6/2018 10:00:11 AM

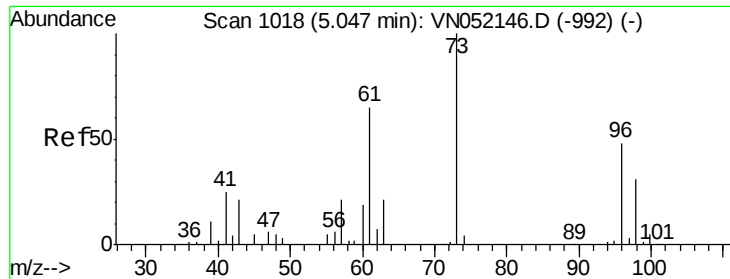


#20

Methylene Chloride
 Concen: 45.423 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	98.4	147.6
51	37.1	32.5	48.7
86	62.8	49.7	74.5





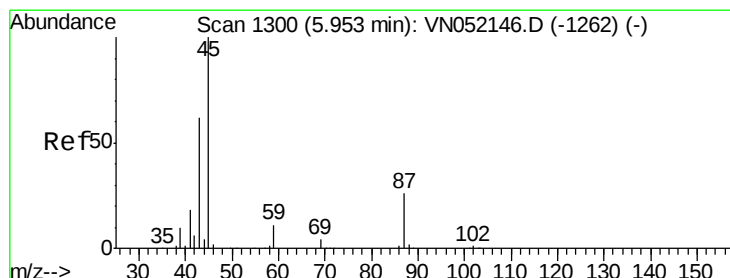
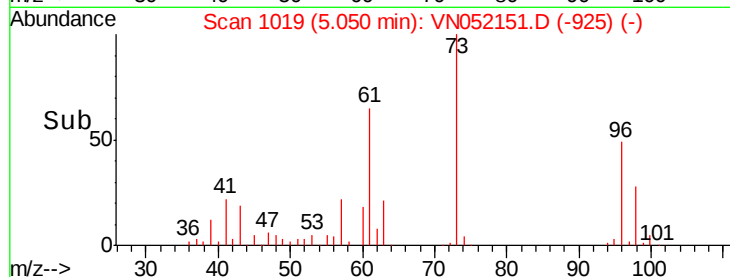
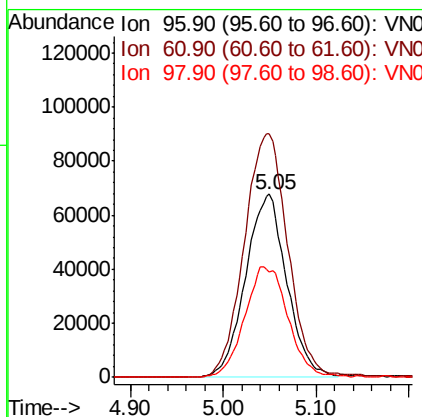
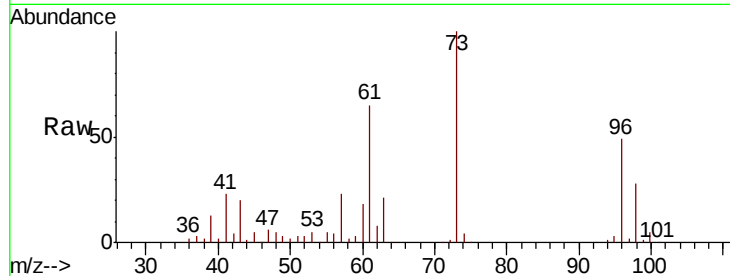
#21
trans-1,2-Dichloroethene
Concen: 46.338 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	109.6	164.4
98	57.7	52.0	78.0

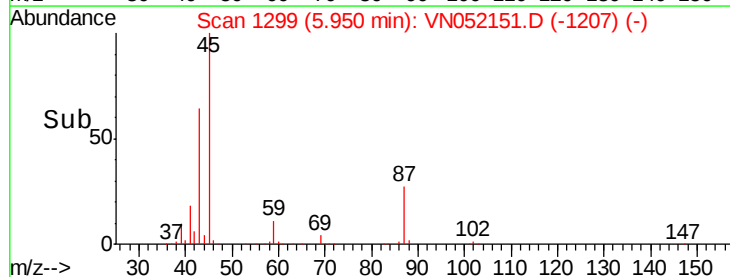
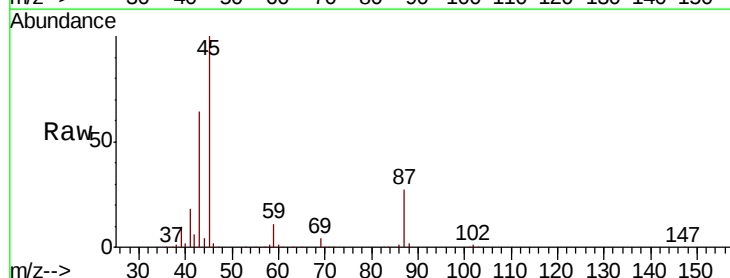
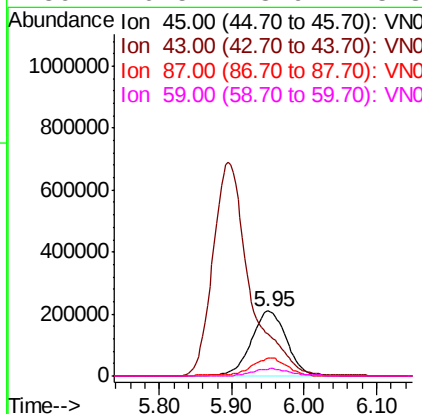
Manual Integrations
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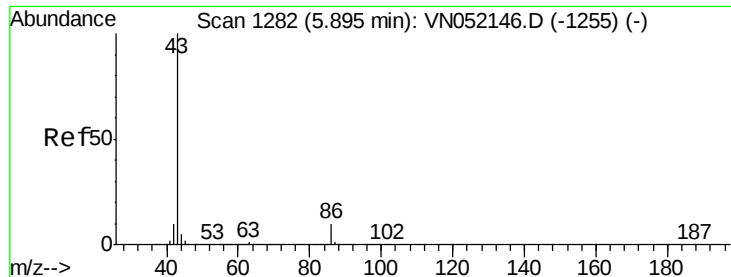
MMDadoda
11/6/2018 10:00:11 AM



#22
Diisopropyl ether
Concen: 47.811 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	49.8	74.6
87	26.6	21.1	31.7
59	10.5	8.9	13.3





#23

Vinyl Acetate

Concen: 245.377 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2417410

Ion Ratio Lower Upper

43 100

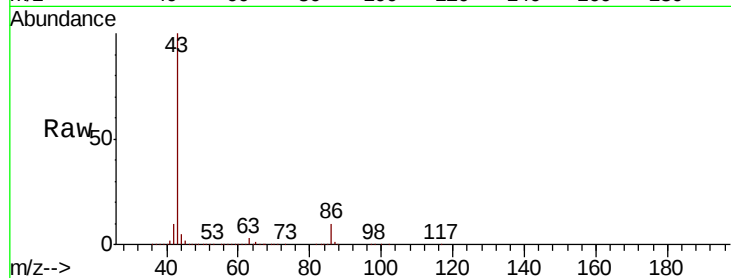
86 10.3 7.9 11.9

Manual Integrations

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MMDadoda

11/6/2018 10:00:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052151.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052151.D (-1189) (-)

800000

600000

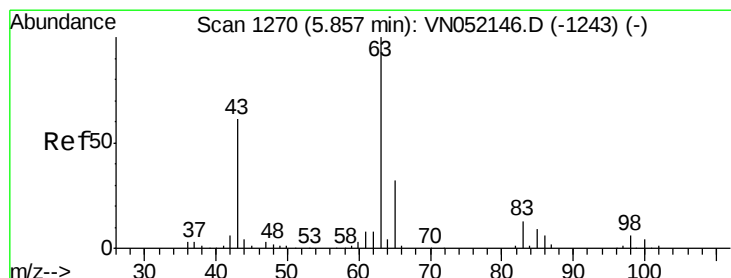
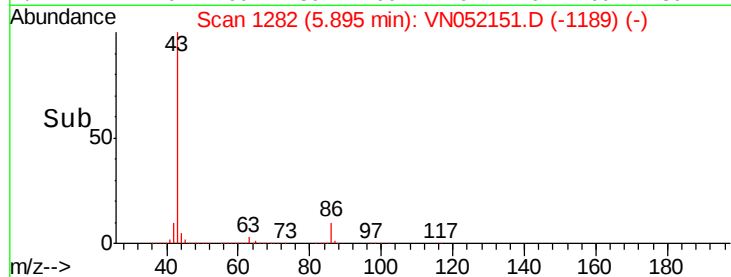
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.042 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

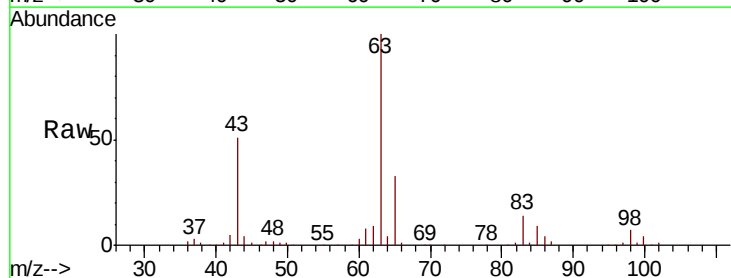
Tgt Ion: 63 Resp: 398344

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN052151.D (-1177) (-)

Ion 97.90 (97.60 to 98.60): VN052151.D (-1177) (-)

Ion 99.90 (99.60 to 100.60): VN052151.D (-1177) (-)

150000

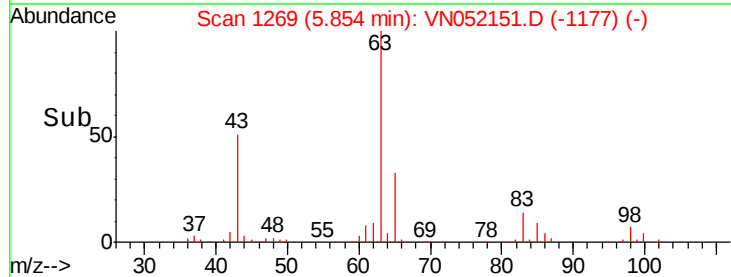
100000

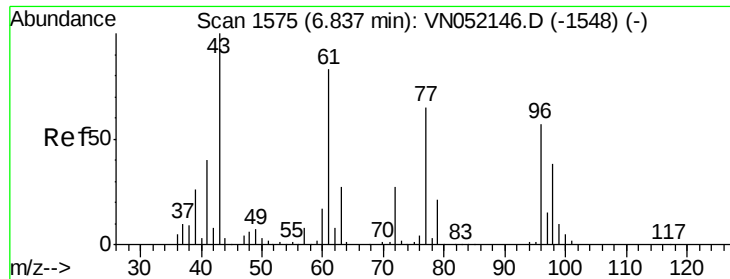
50000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 224.132 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 412593

Ion Ratio Lower Upper

43 100

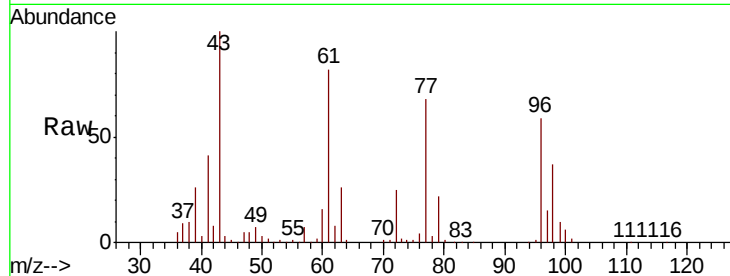
72 25.2 21.4 32.2

Manual Integrations

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MMDadoda

11/6/2018 10:00:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

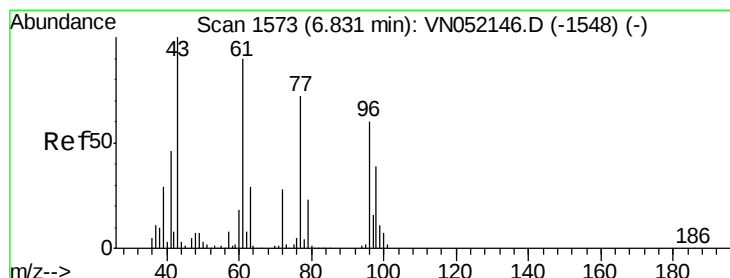
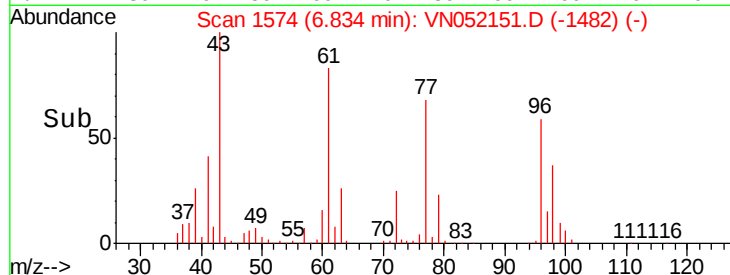
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 48.982 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052151.D

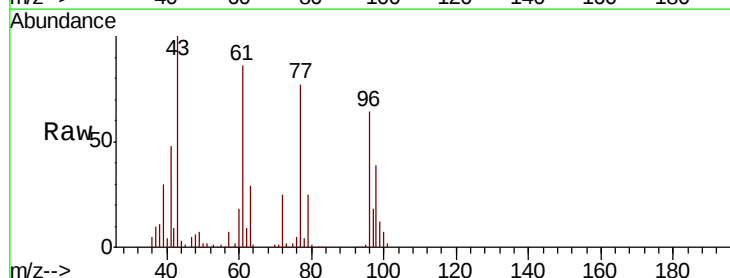
Acq: 5 Nov 2018 16:27

Tgt Ion: 77 Resp: 324611

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

120000

100000

80000

60000

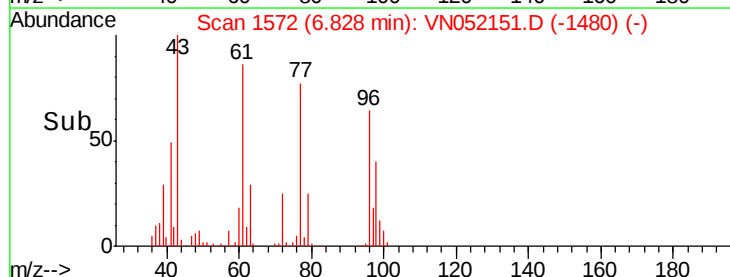
40000

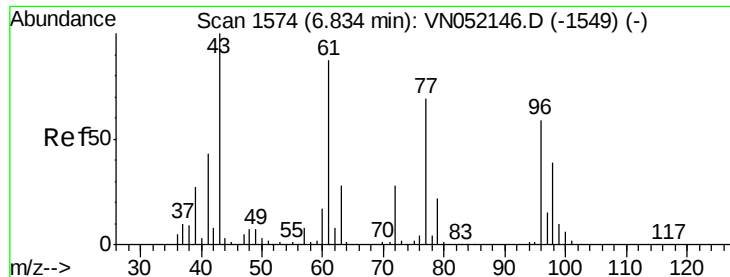
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.545 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

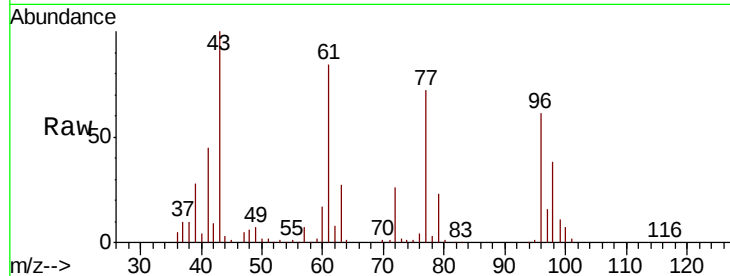
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	249308
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	291.8
98	64.0	0.0	130.0

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

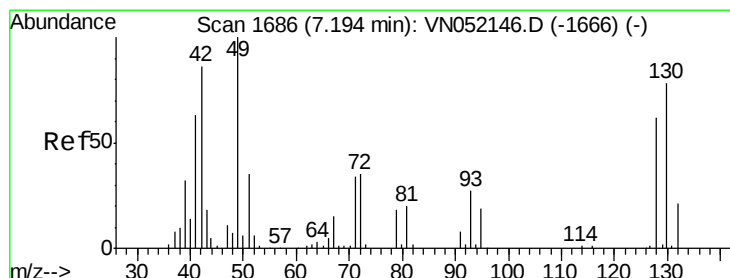
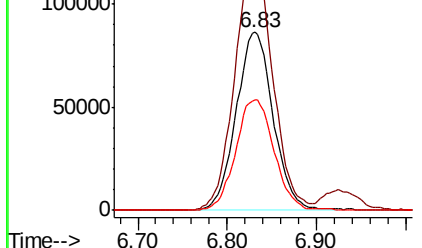
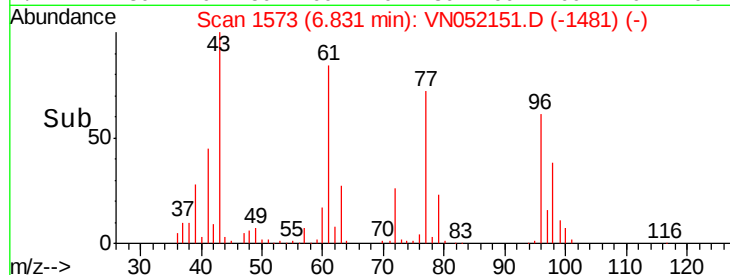


Abundance Ion 95.90 (95.60 to 96.60): VN052151.D (-1481) (-)

Ion 60.90 (60.60 to 61.60): VN052151.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VN052151.D (-1481) (-)

Time-->



#28

Bromochloromethane

Concen: 31.847 ug/l

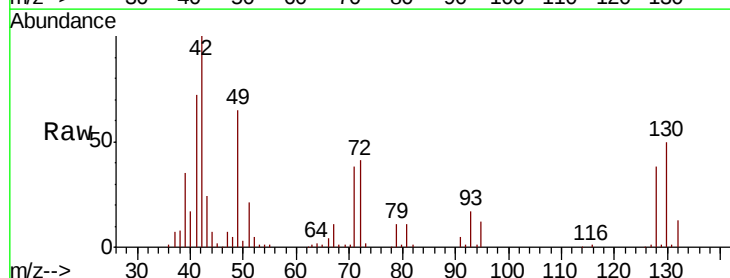
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Tgt Ion:	49	Resp:	127593
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	77.4	59.8	89.6

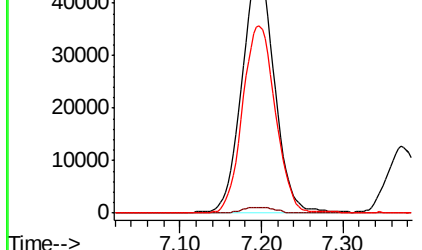
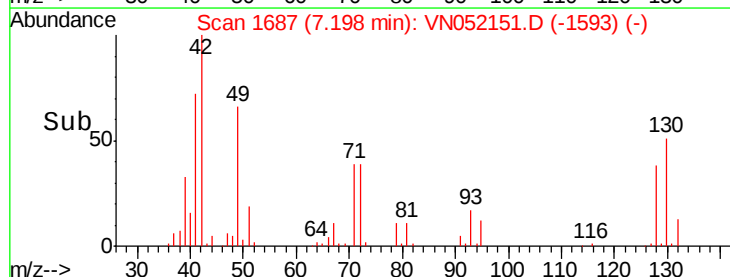


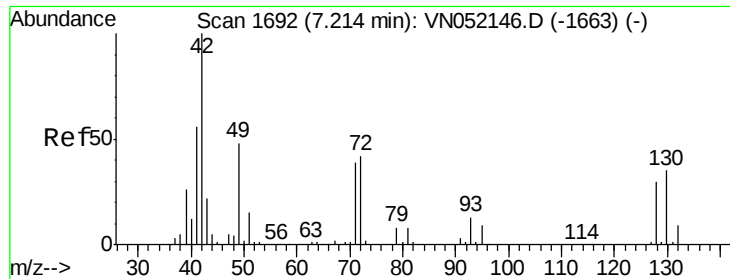
Abundance Ion 48.90 (48.60 to 49.60): VN052151.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052151.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052151.D (-1593) (-)

Time-->





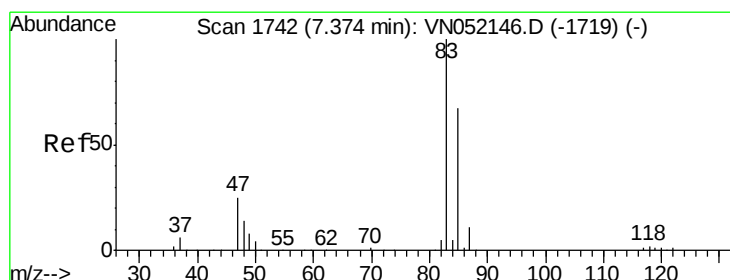
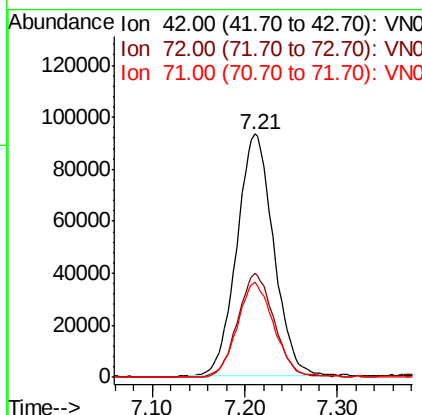
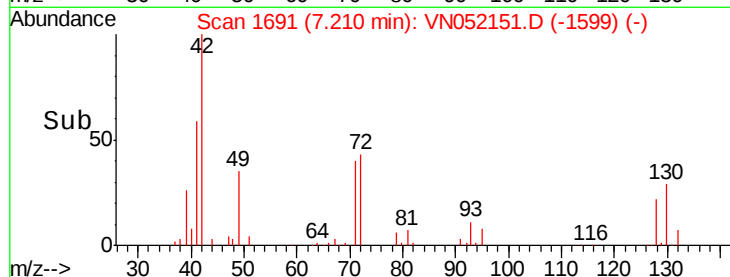
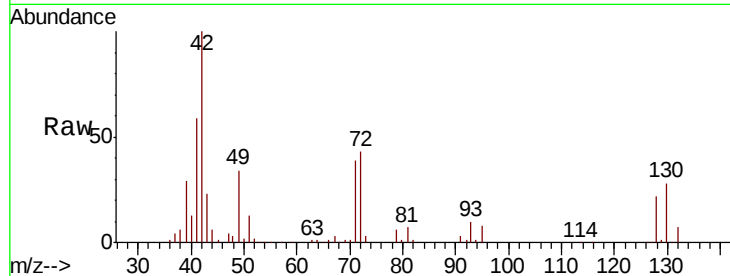
#29
Tetrahydrofuran
Concen: 225.543 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.3	48.5
71	39.1	31.0	46.6

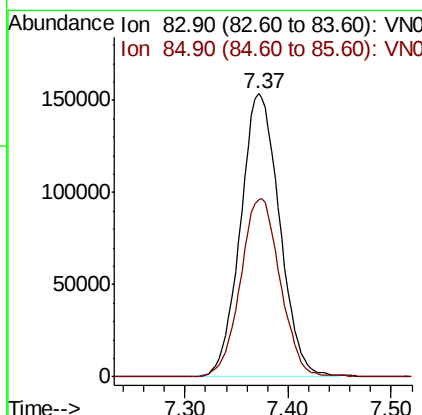
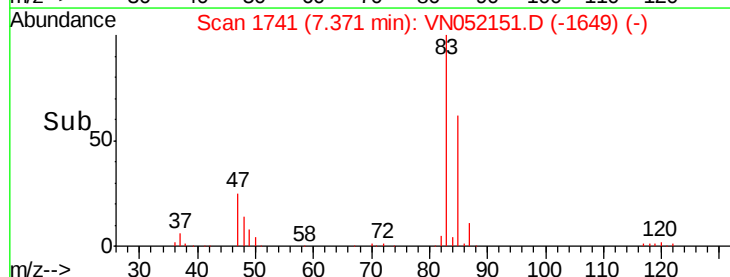
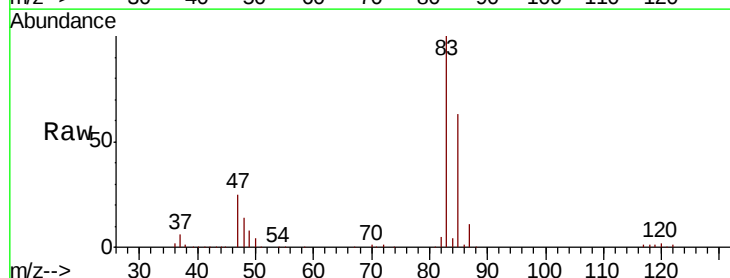
Manual Integrations
APPROVED

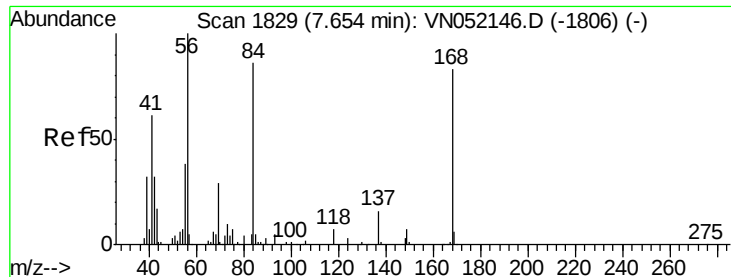
MMDadoda
11/6/2018 10:00:11 AM



#30
Chloroform
Concen: 47.993 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.7	80.5





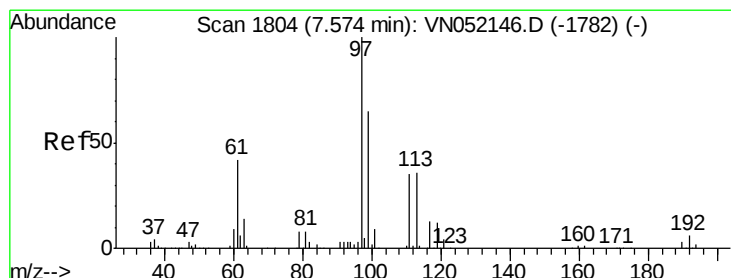
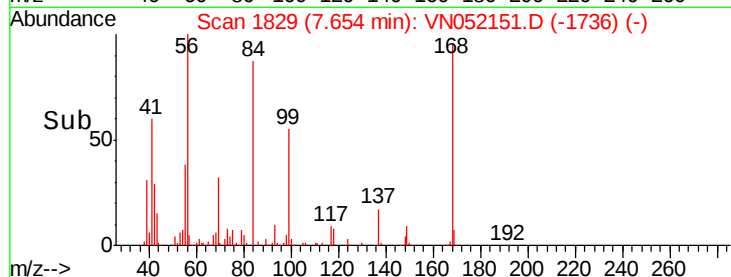
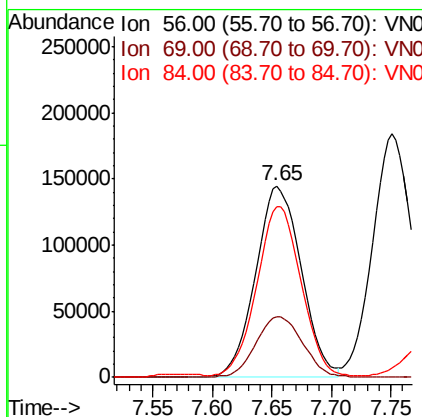
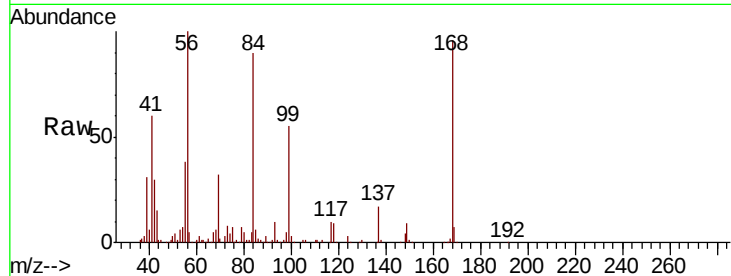
#31
Cyclohexane
Concen: 49.253 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.5	35.3
84	87.9	68.7	103.1

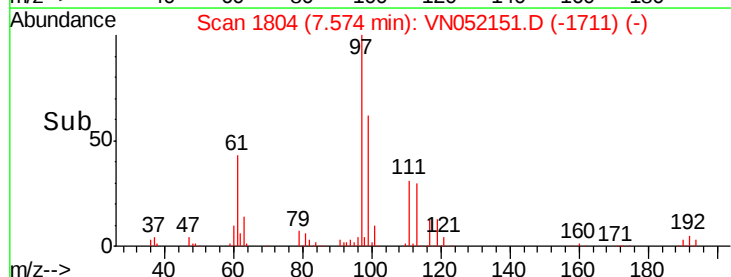
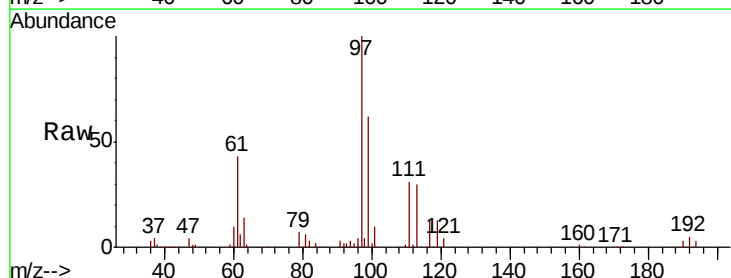
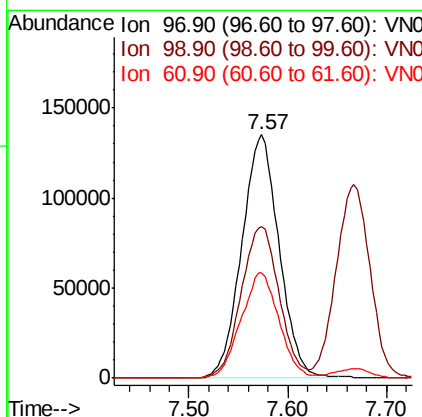
Manual Integrations
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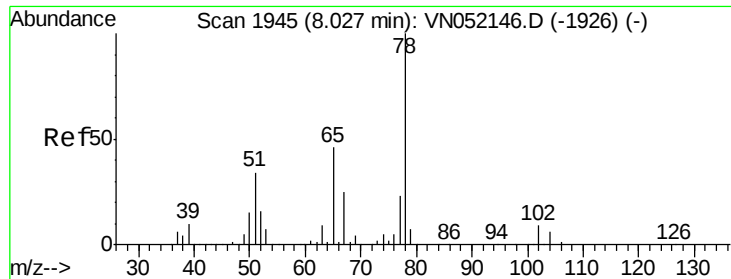
MMDadoda
11/6/2018 10:00:11 AM



#32
1,1,1-Trichloroethane
Concen: 47.618 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	44.1	35.1	52.7





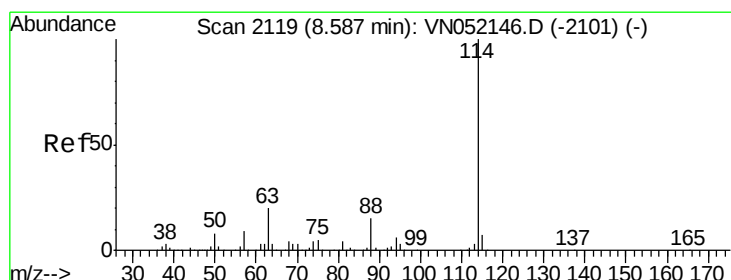
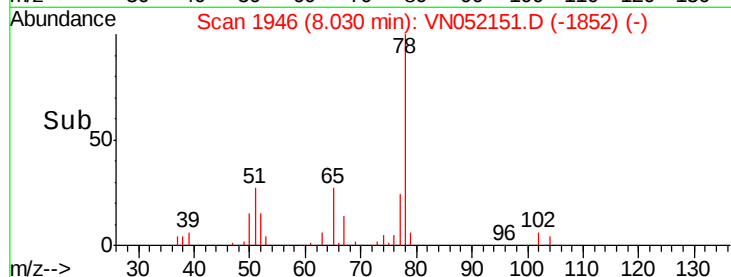
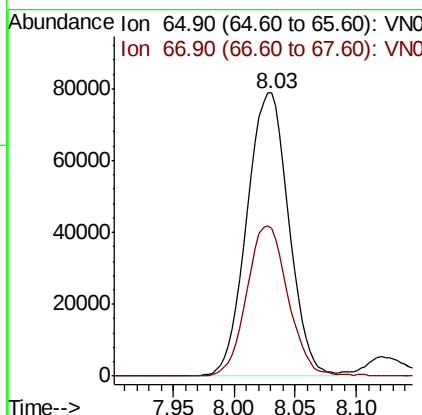
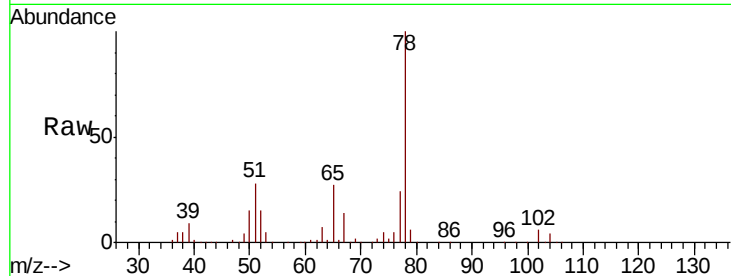
#33
 1,2-Dichloroethane-d4
 Concen: 47.618 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187705		
67	52.2	0.0	107.6	

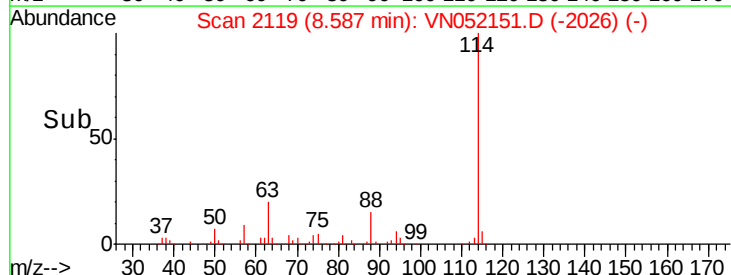
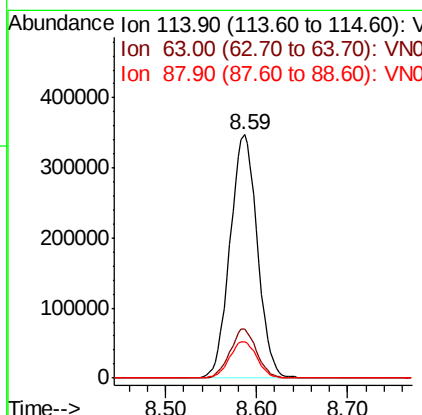
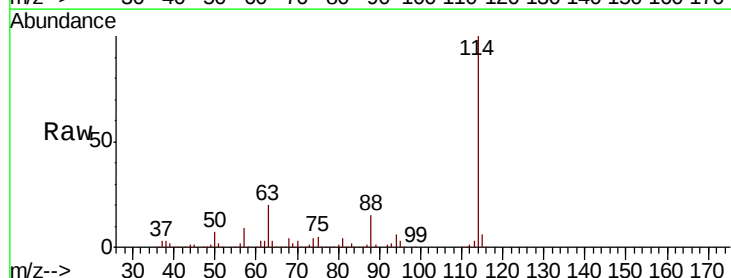
Manual Integrations
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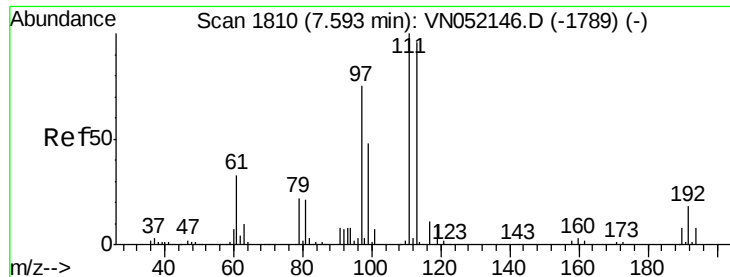
MMDadoda
 11/6/2018 10:00:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	723925		
63	20.0	0.0	40.0	
88	15.0	0.0	31.0	





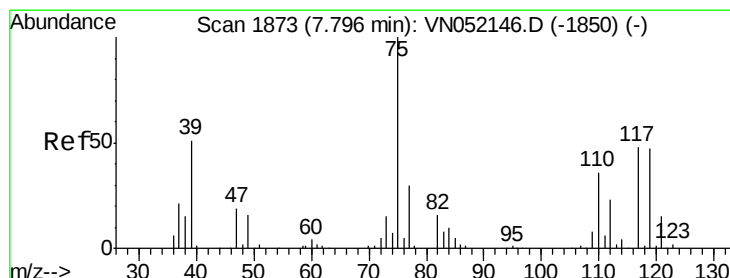
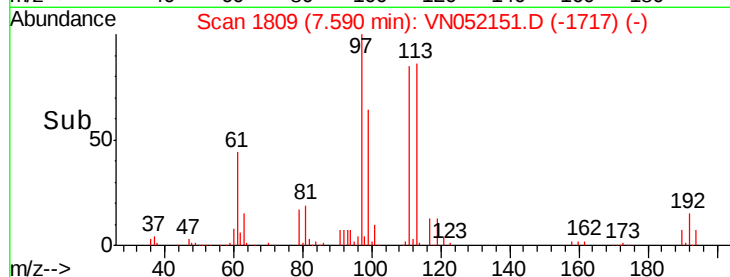
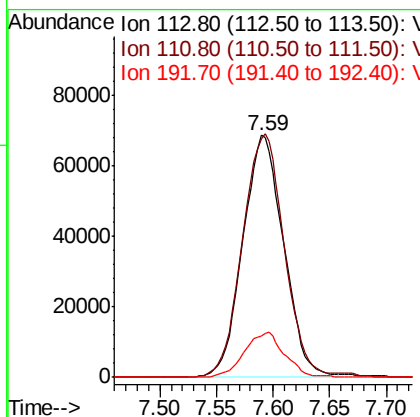
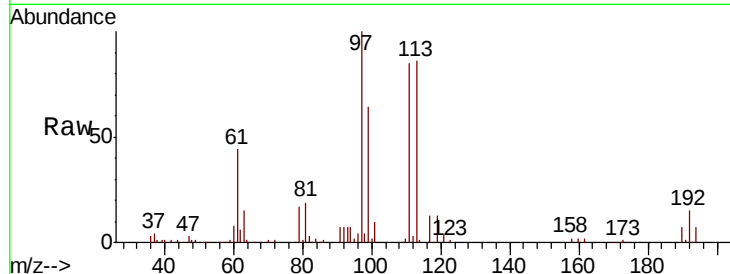
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	172525		
111	104.0		81.7	122.5
192	18.4		14.2	21.4

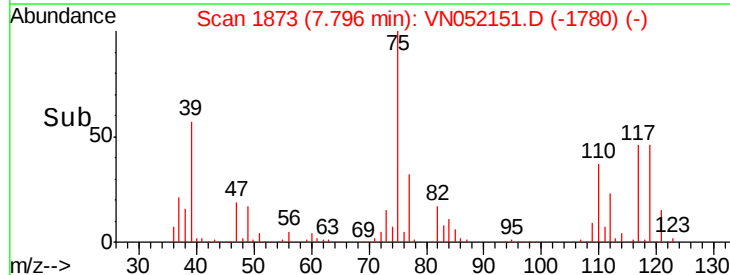
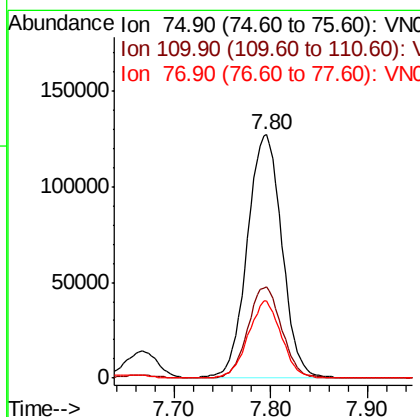
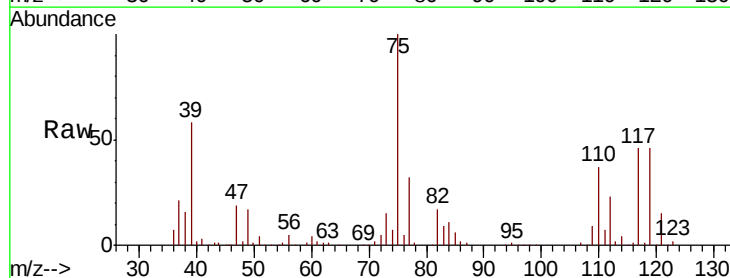
Manual Integrations
 APPROVED

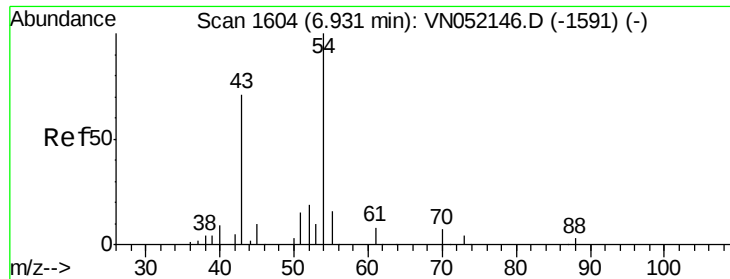
MMDadoda
 11/6/2018 10:00:11 AM



#36
 1,1-Dichloropropene
 Concen: 49.125 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	314600		
110	36.9		17.8	53.5
77	30.3		24.0	36.0





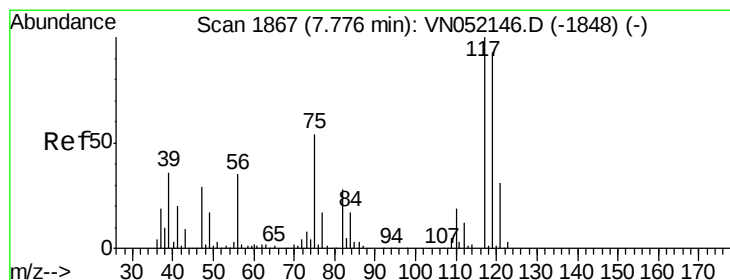
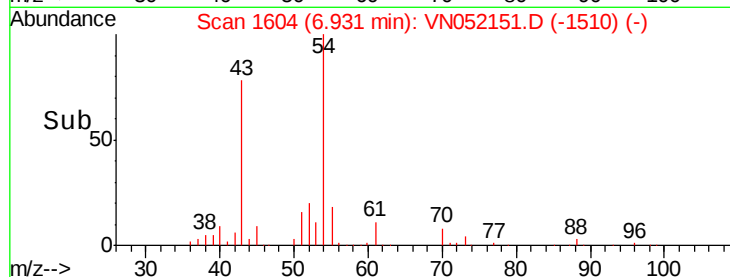
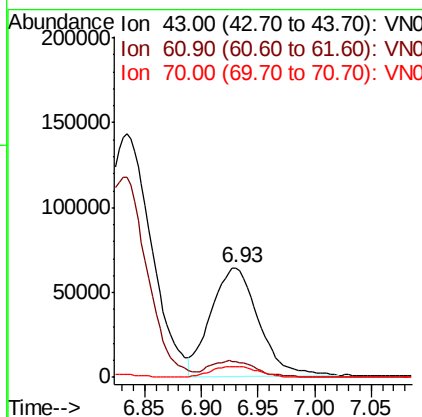
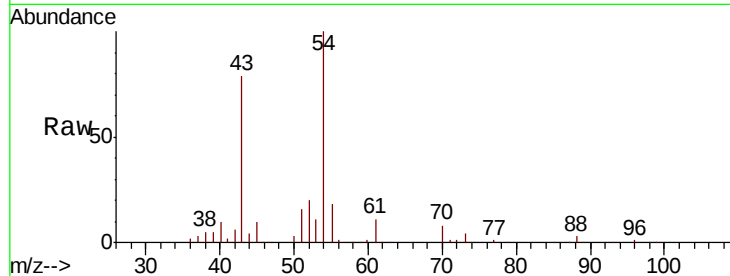
#37
Ethyl Acetate
Concen: 47.231 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	9.4	14.2#
70	10.3	7.6	11.4

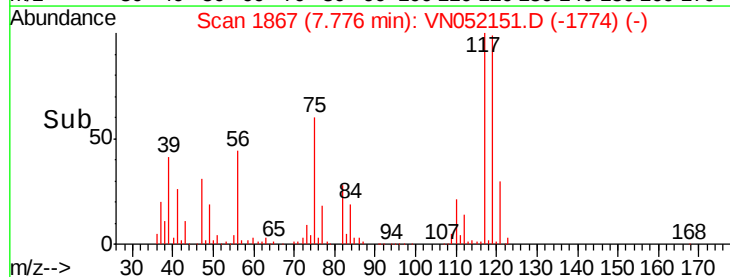
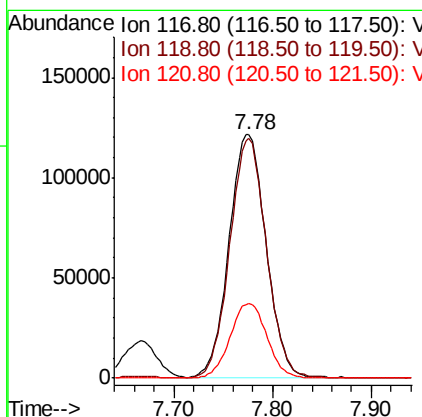
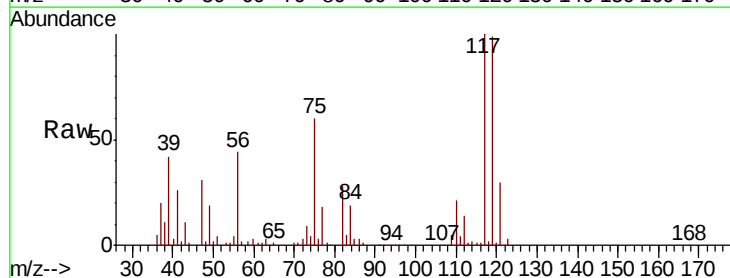
Manual Integrations
APPROVED

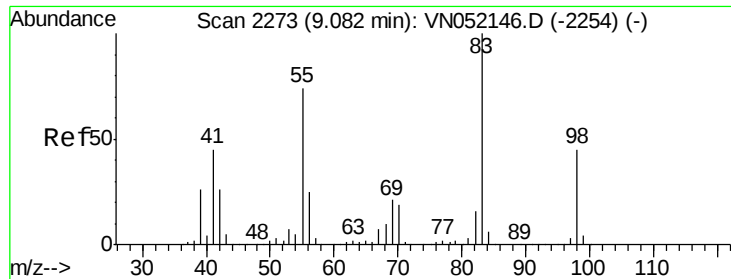
MMDadoda
11/6/2018 10:00:11 AM



#38
Carbon Tetrachloride
Concen: 49.207 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	74.7	112.1
121	30.5	24.5	36.7





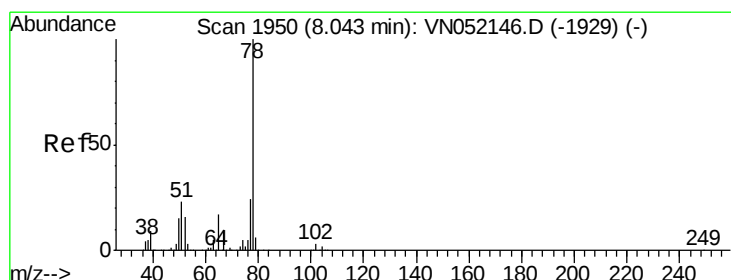
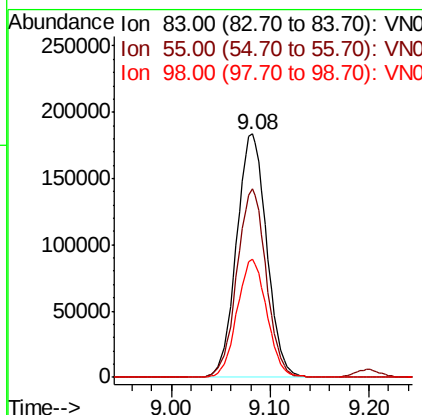
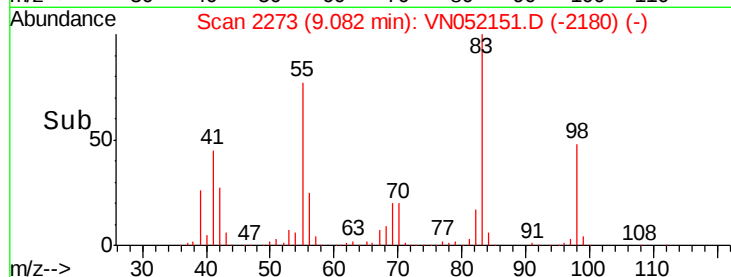
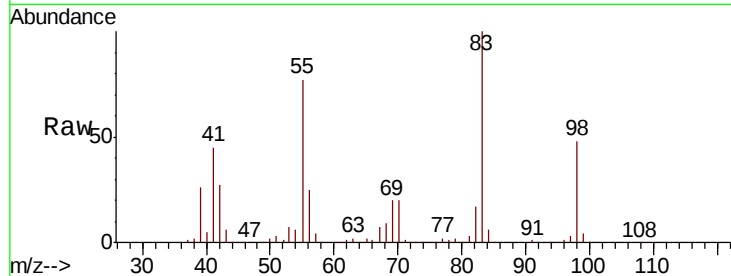
#39
Methvlcvclohexane
Concen: 51.103 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	59.4	89.2
98	48.4	36.3	54.5

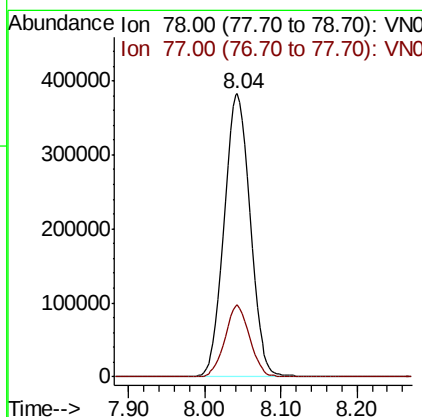
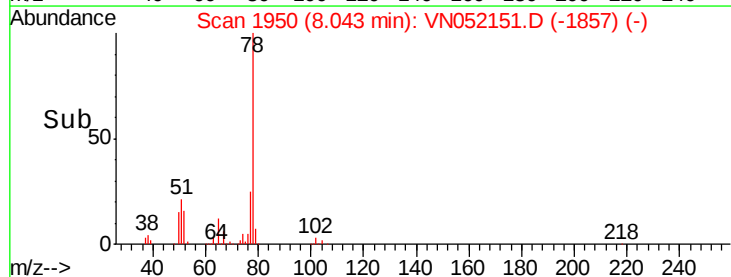
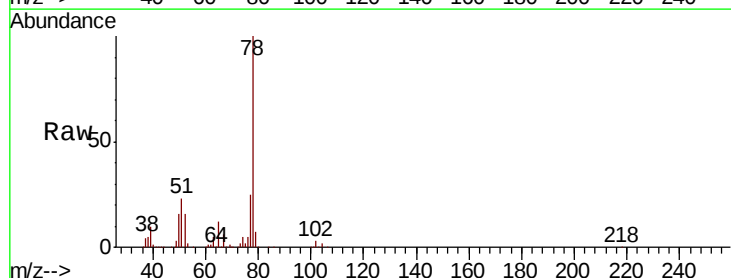
Manual Integrations
APPROVED

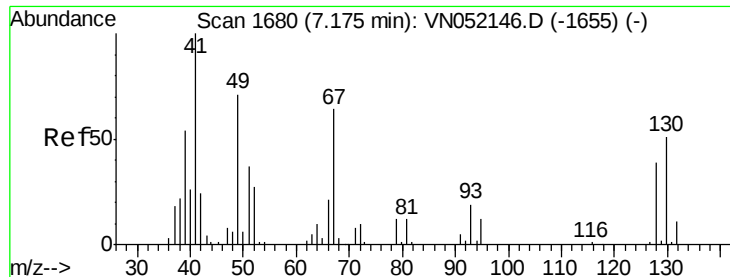
MMDadoda
11/6/2018 10:00:11 AM



#40
Benzene
Concen: 48.759 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.1	28.7





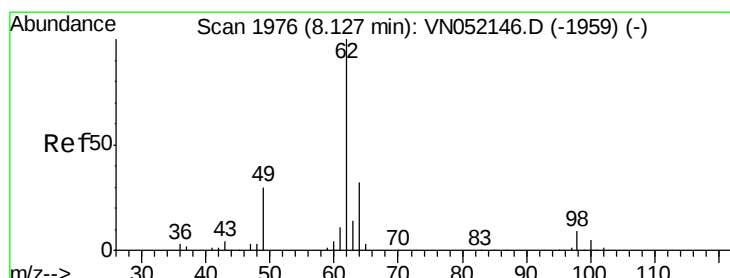
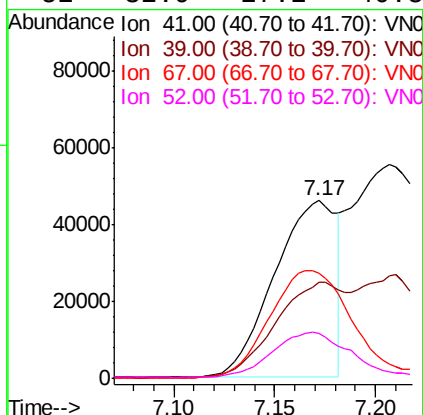
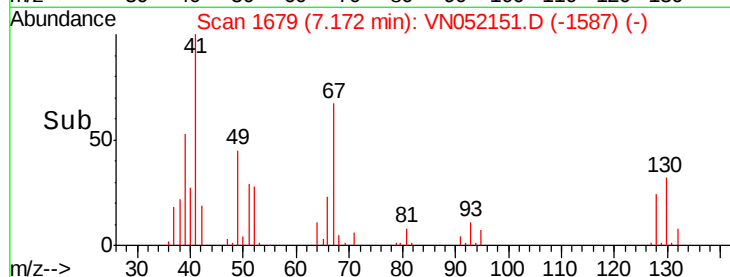
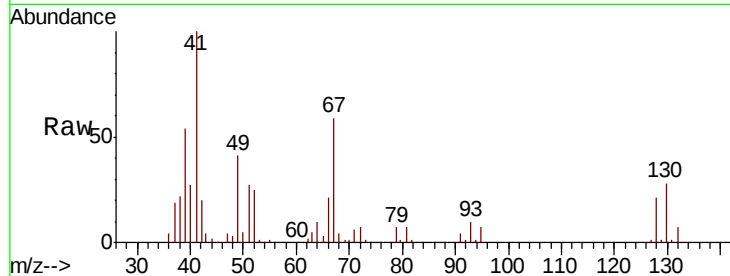
#41
Methacrylonitrile
Concen: 44.692 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	98528
Ion Ratio	Lower	Upper	
41	100		
39	56.7	49.6	74.4
67	81.9	65.4	98.2
52	32.9	27.2	40.8

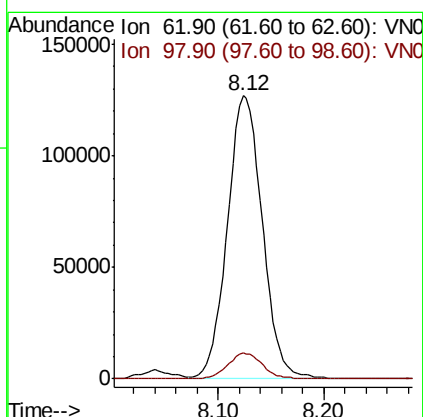
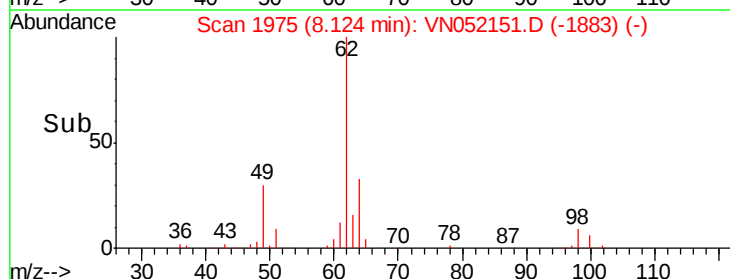
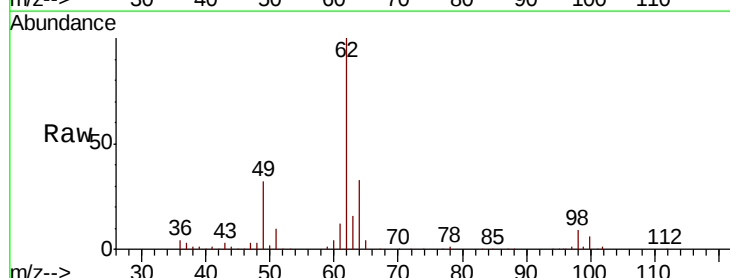
Manual Integrations
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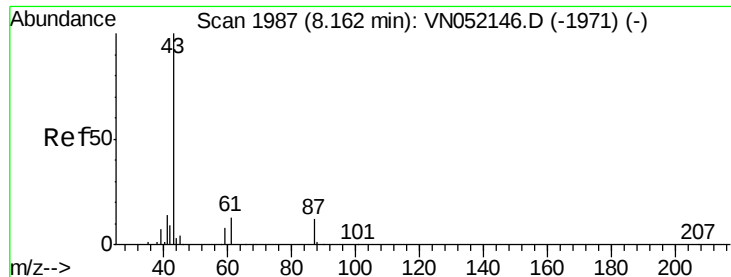
MMDadoda
11/6/2018 10:00:11 AM



#42
1,2-Dichloroethane
Concen: 48.075 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	62	Resp	290947
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.2





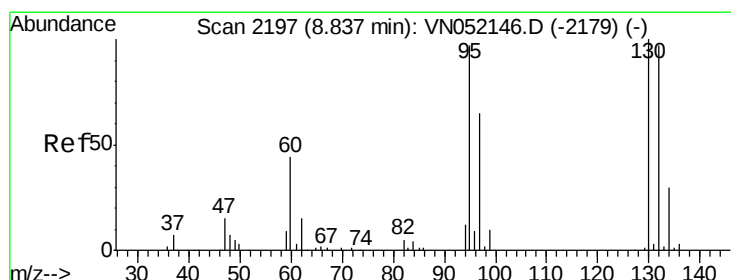
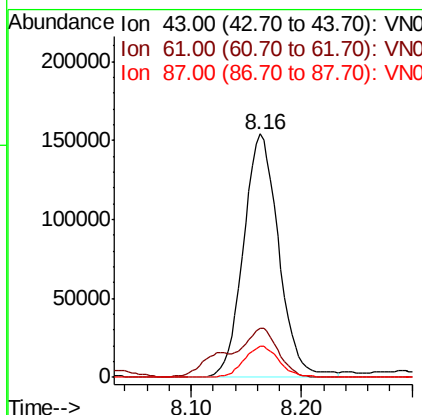
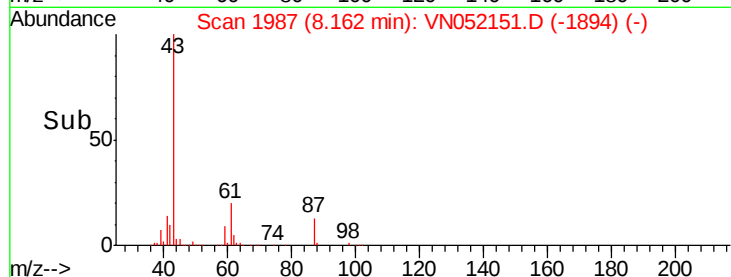
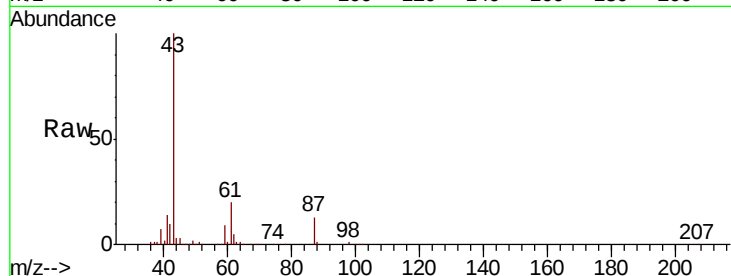
#43
Isopropyl Acetate
Concen: 46.400 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	21.5	32.3#
87	12.9	10.2	15.2

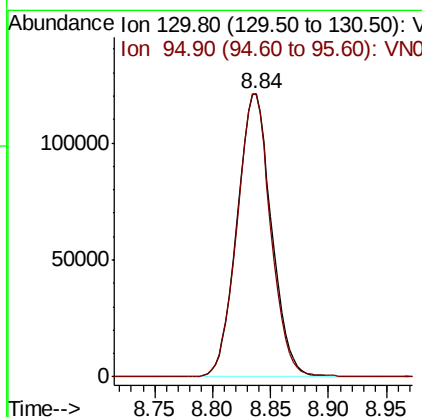
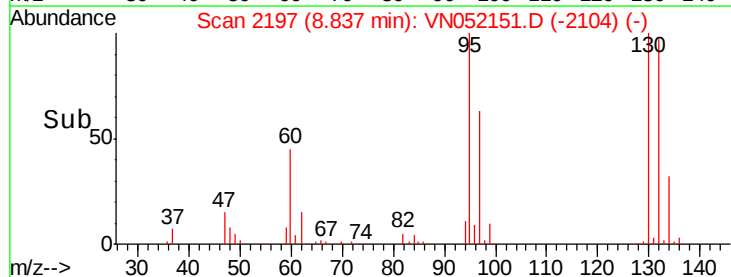
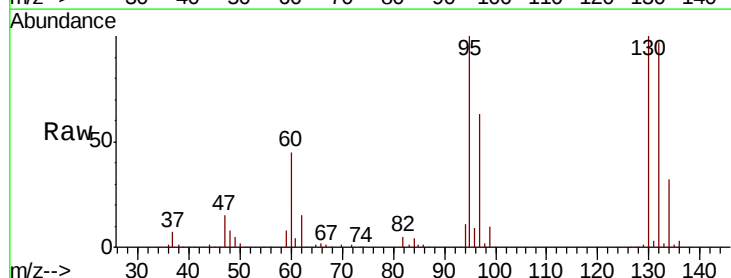
Manual Integrations
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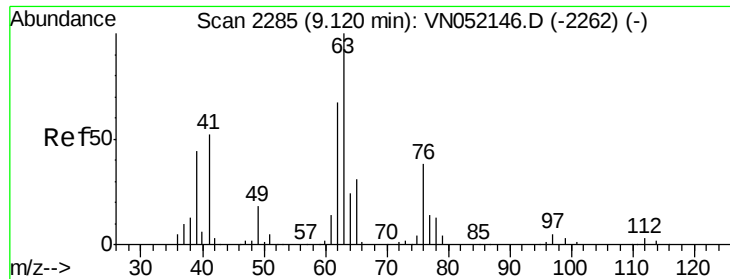
MMDadoda
11/6/2018 10:00:11 AM



#44
Trichloroethene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	193.8





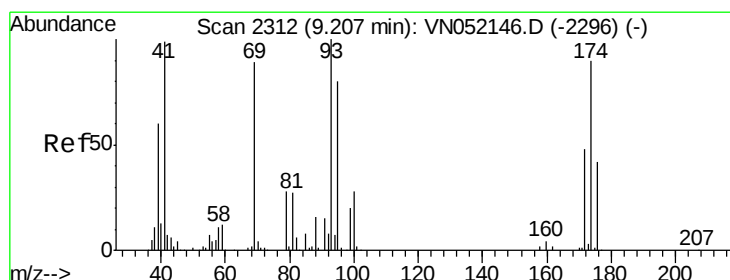
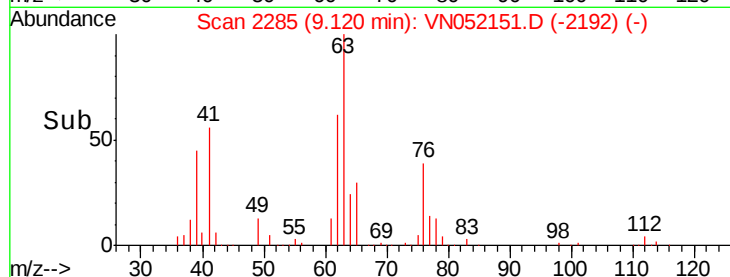
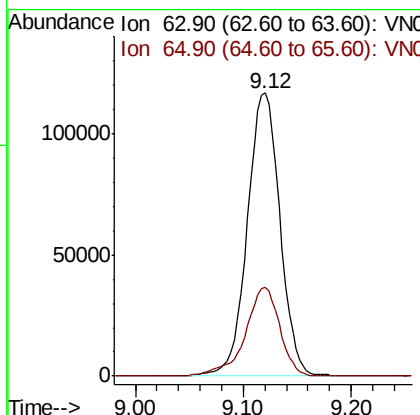
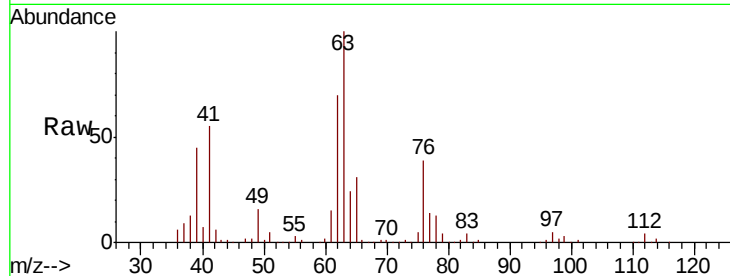
#45
 1,2-Dichloropropane
 Concen: 48.914 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 243871
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6

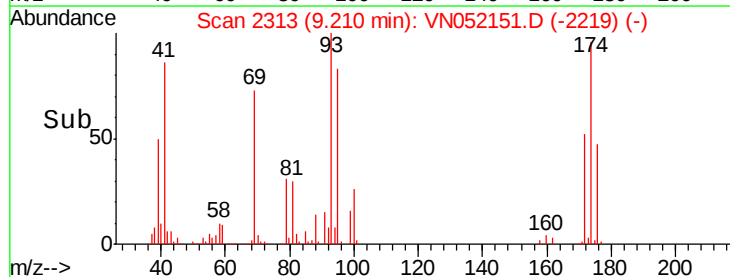
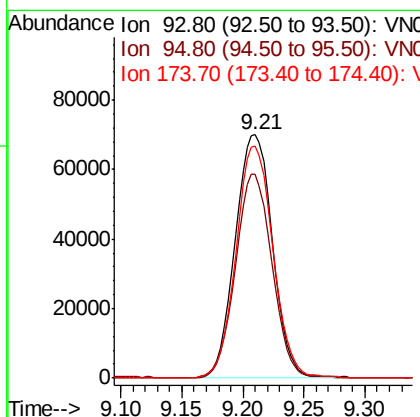
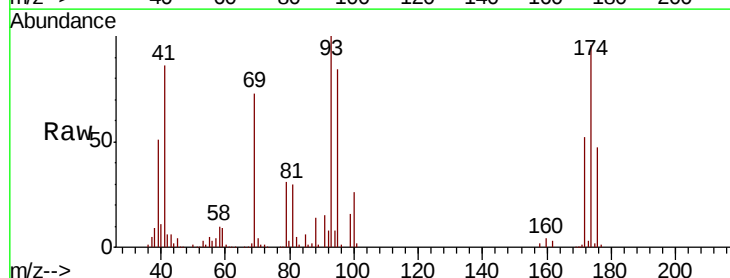
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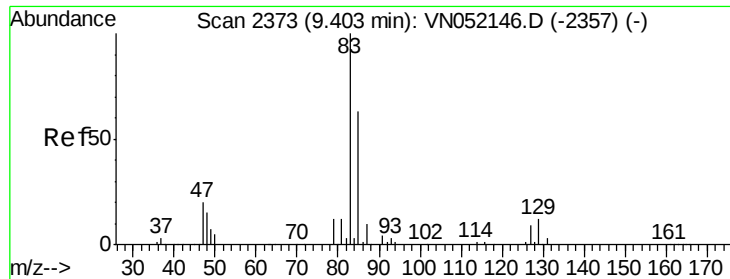
MMDadoda
 11/6/2018 10:00:11 AM



#46
 Dibromomethane
 Concen: 46.651 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 93 Resp: 147919
 Ion Ratio Lower Upper
 93 100
 95 81.8 64.5 96.7
 174 94.9 74.6 112.0





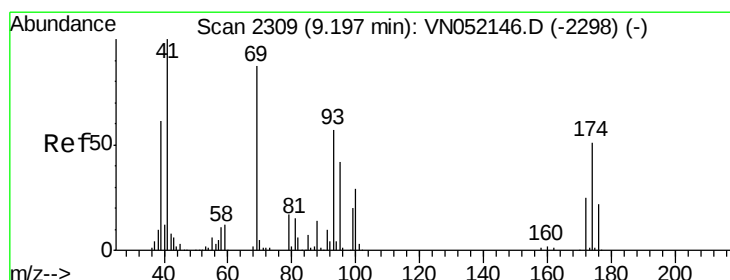
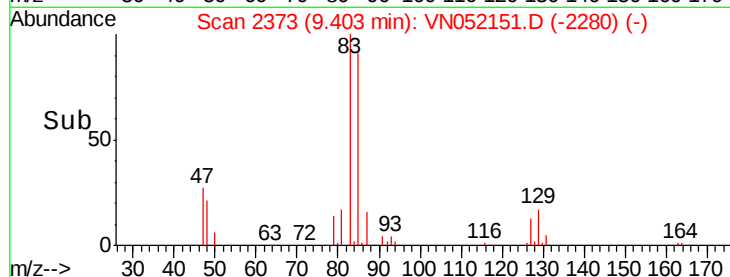
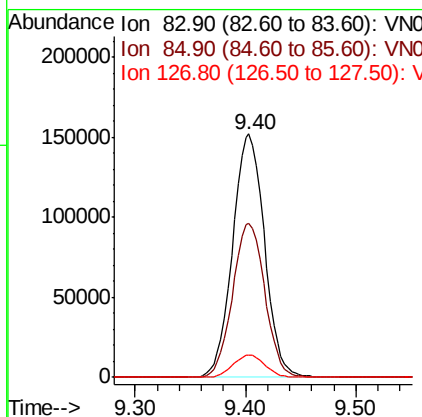
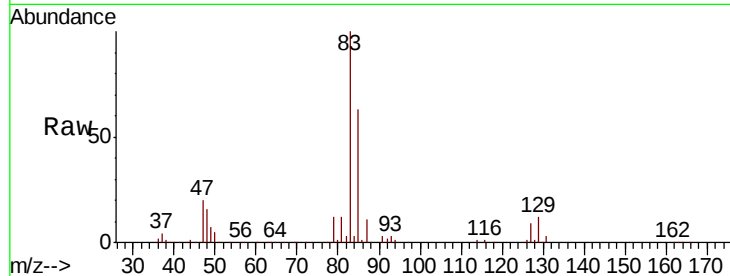
#47
Bromodichloromethane
Concen: 49.205 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.5	75.7
127	9.4	7.2	10.8

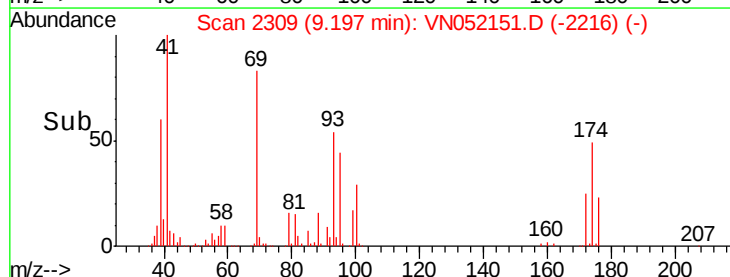
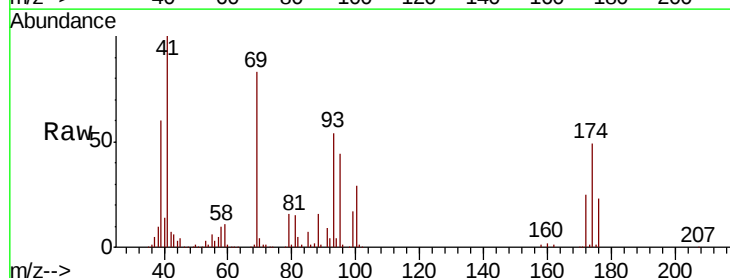
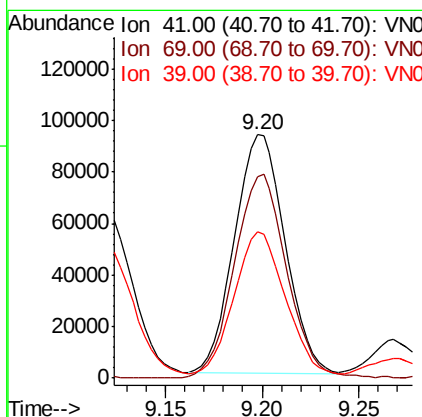
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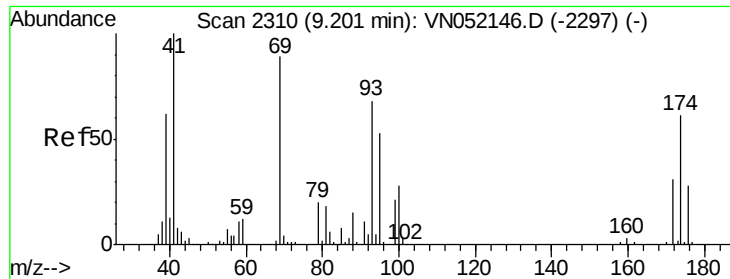
MMDadoda
11/6/2018 10:00:11 AM



#48
Methyl methacrylate
Concen: 47.922 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.4	69.7	104.5
39	63.1	50.6	76.0





#49

1,4-Dioxane

Concen: 1032.202 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

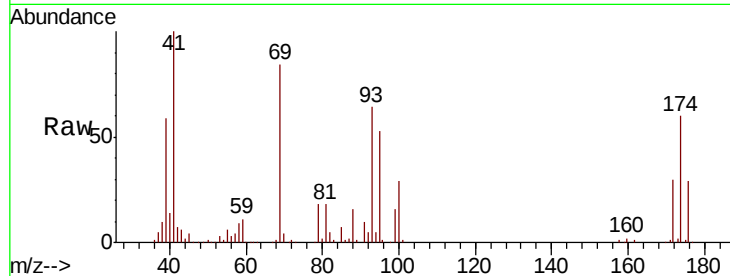
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	30801
Ion	Ratio	Lower	Upper
88	100		
43	35.6	33.0	49.6
58	65.9	58.6	88.0

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

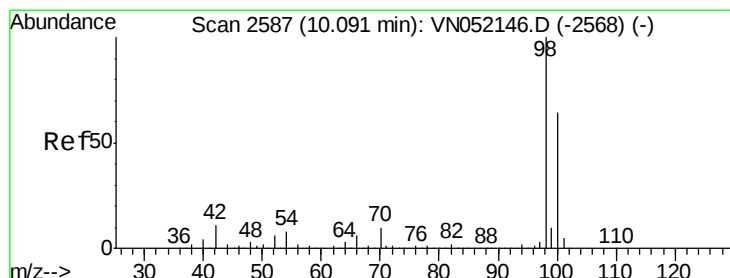
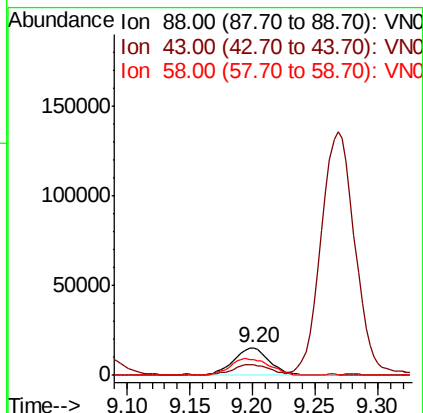
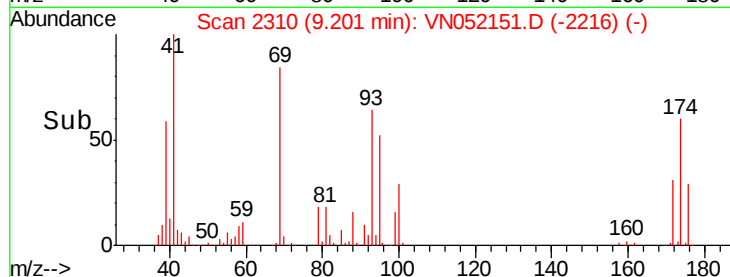


Abundance Ion 88.00 (87.70 to 88.70): VN052146.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN052146.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2297) (-)

Time-->



#50

Toluene-d8

Concen: 1032.202 ug/l

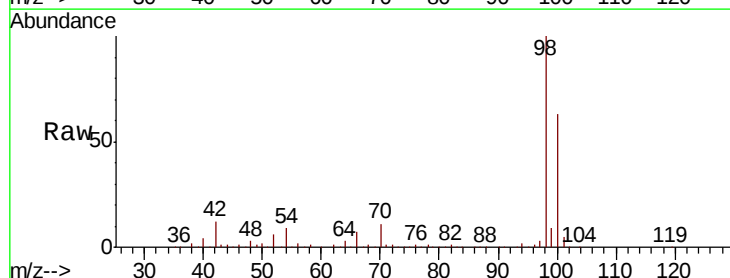
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

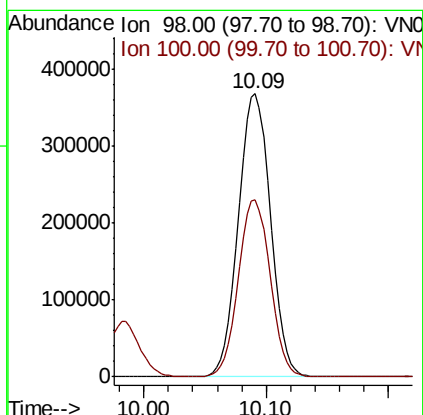
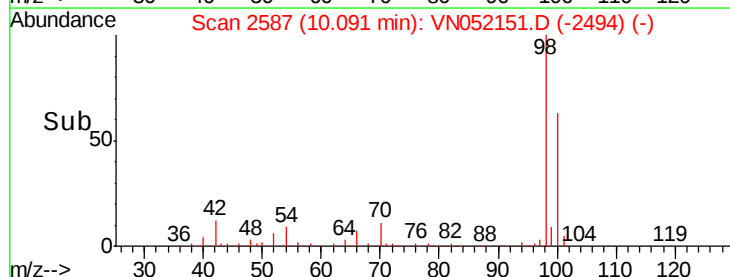
Tgt Ion:	98	Resp:	670555
Ion	Ratio	Lower	Upper
98	100		
100	61.8	50.5	75.7

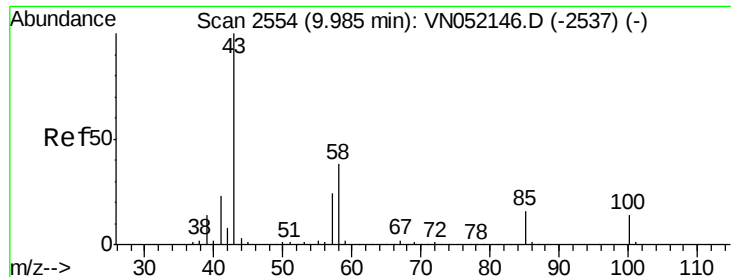


Abundance Ion 98.00 (97.70 to 98.70): VN052146.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN052146.D (-2568) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 239.395 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 924148

Ion Ratio Lower Upper

43 100

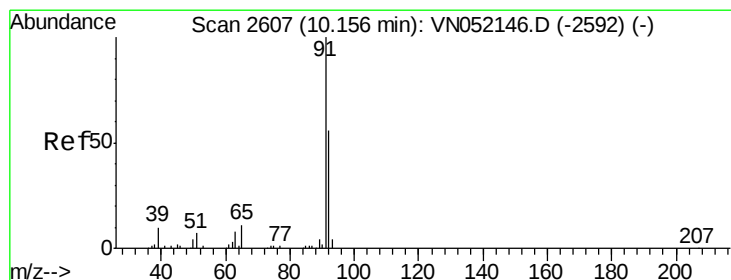
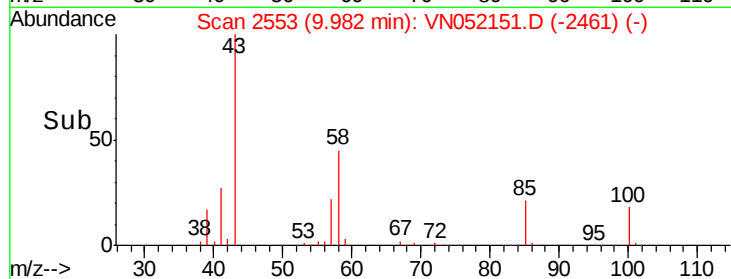
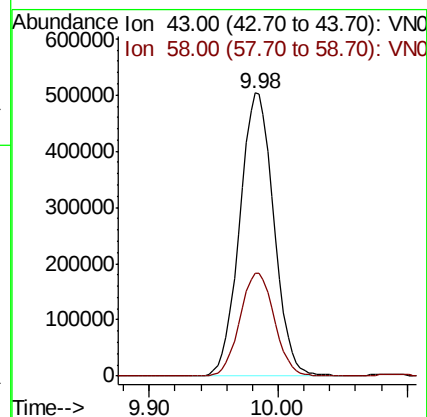
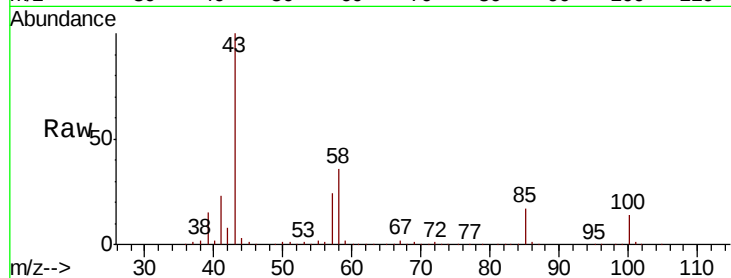
58 37.0 29.6 44.4

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#52

Toluene

Concen: 51.152 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052151.D

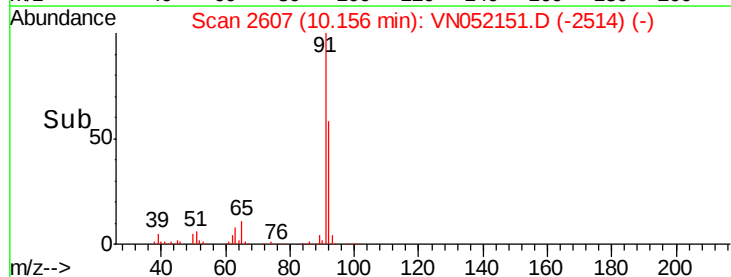
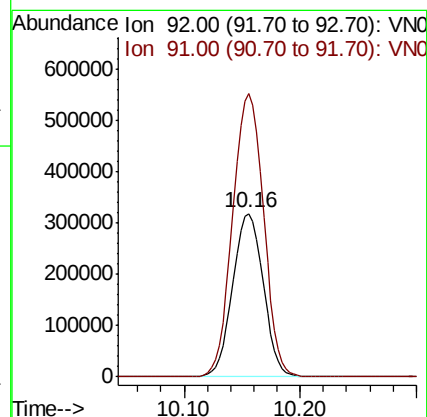
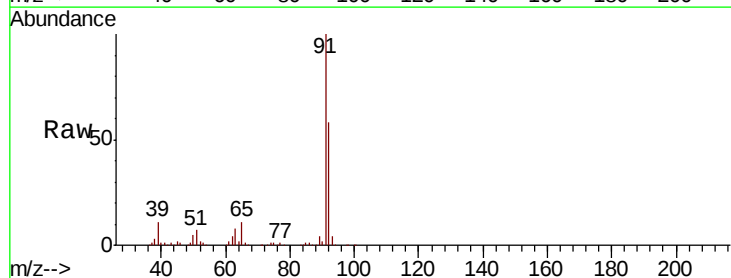
Acq: 5 Nov 2018 16:27

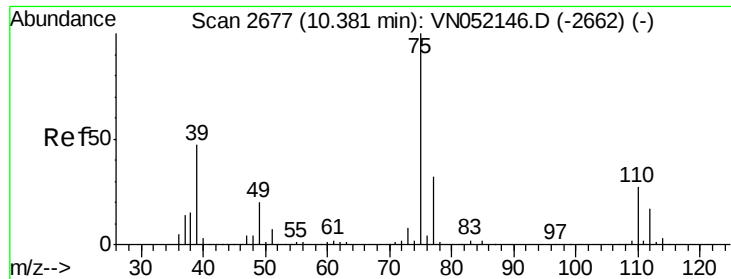
Tgt Ion: 92 Resp: 580702

Ion Ratio Lower Upper

92 100

91 175.4 142.5 213.7





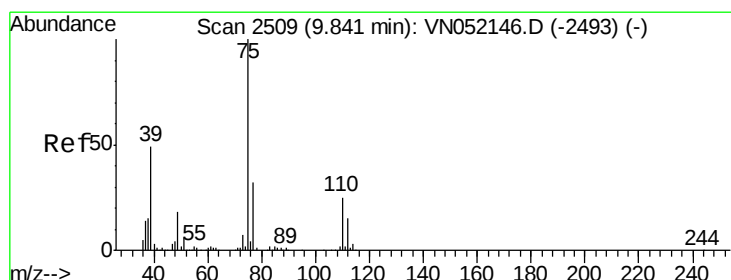
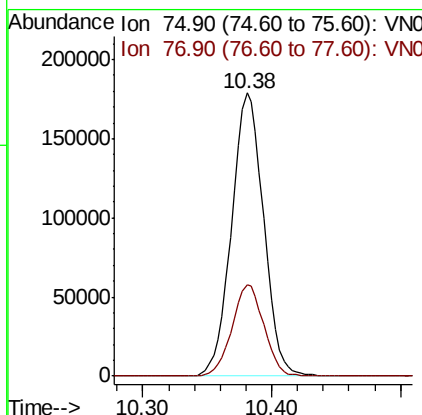
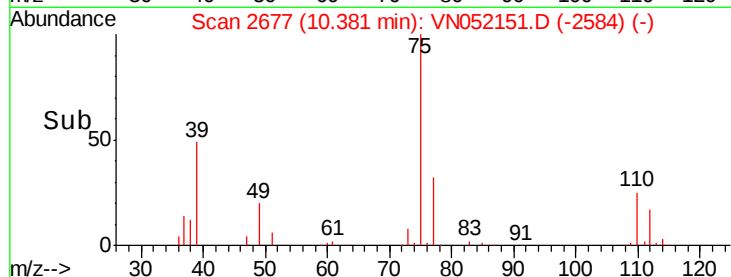
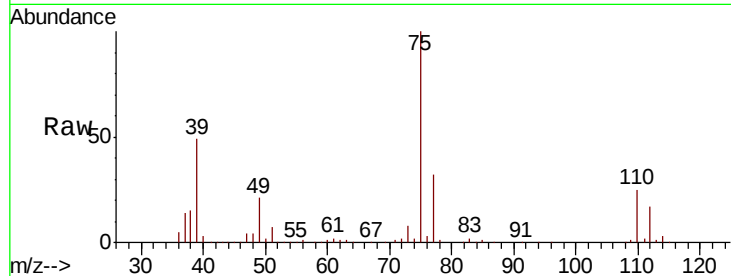
#53
t-1,3-Dichloropropene
Concen: 50.771 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 307994
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6

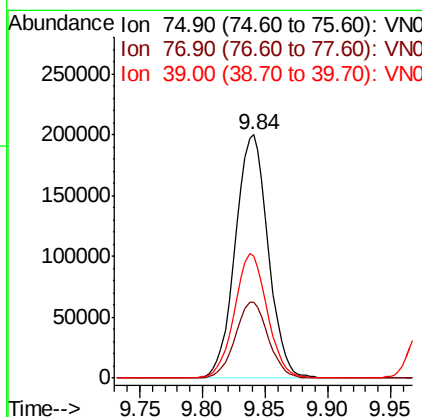
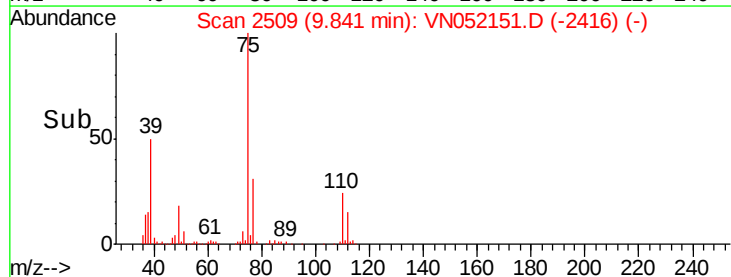
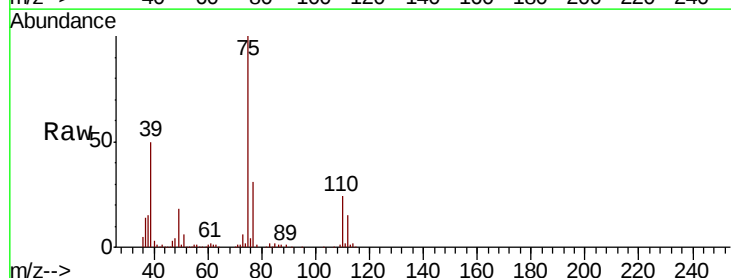
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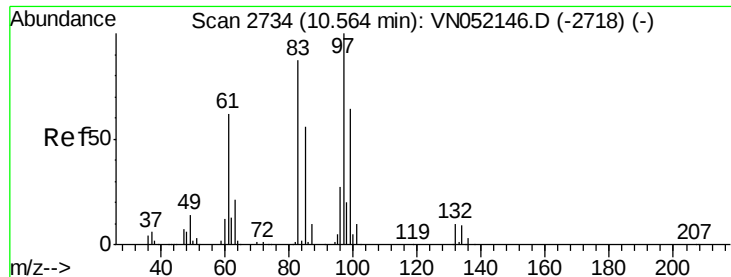
MMDadoda
11/6/2018 10:00:11 AM



#54
cis-1,3-Dichloropropene
Concen: 51.369 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 75 Resp: 364654
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8
39 49.9 39.2 58.8





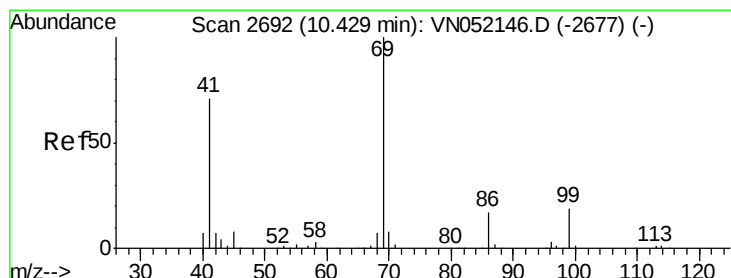
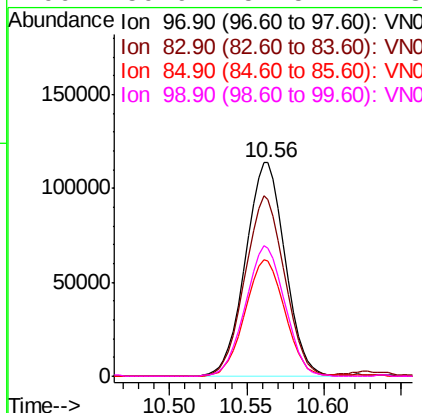
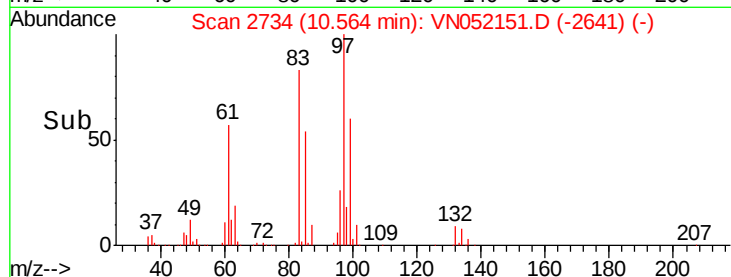
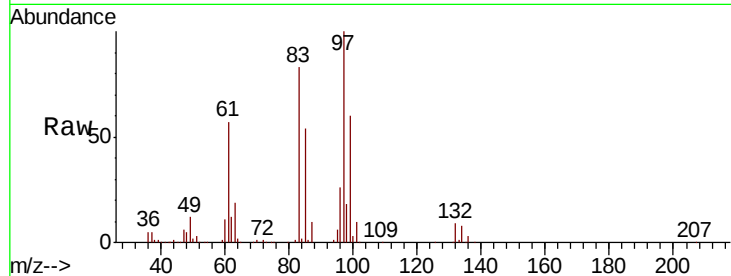
#55
 1,1,2-Trichloroethane
 Concen: 50.777 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.3	103.9
85	53.8	44.9	67.3
99	59.9	51.5	77.3

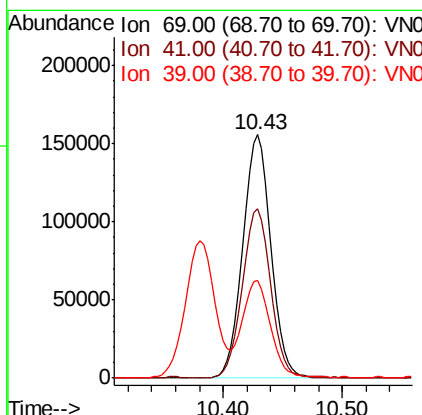
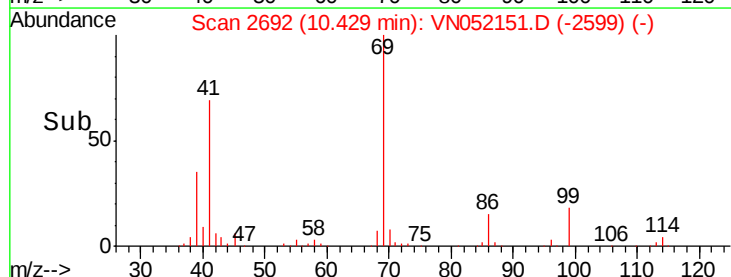
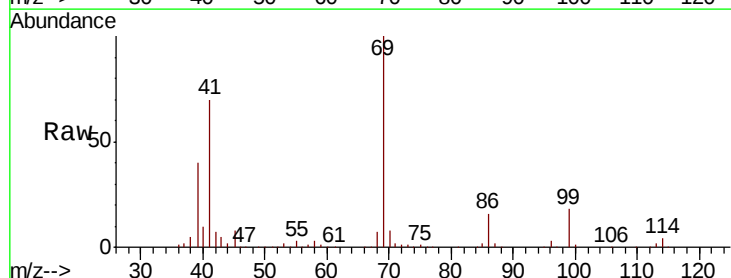
Manual Integrations
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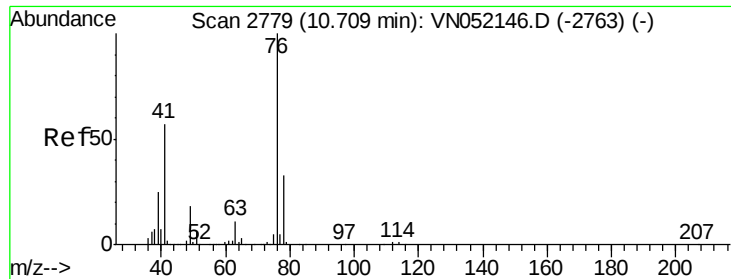
MMDadoda
 11/6/2018 10:00:11 AM



#56
 Ethyl methacrylate
 Concen: 48.980 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.4	83.0
39	39.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 48.378 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 341128

Ion Ratio Lower Upper

76 100

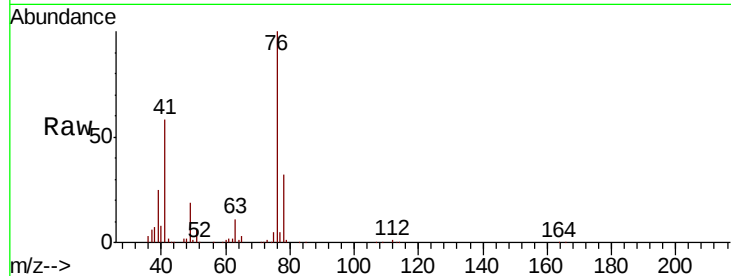
78 32.2 25.5 38.3

Manual Integrations

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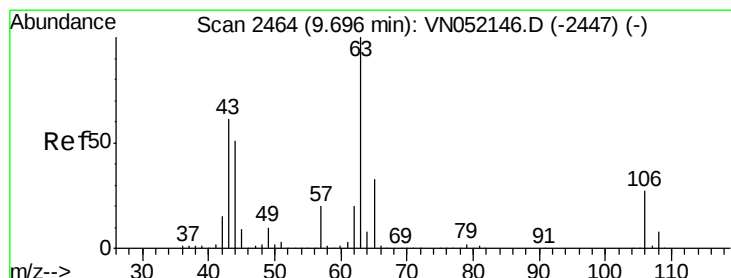
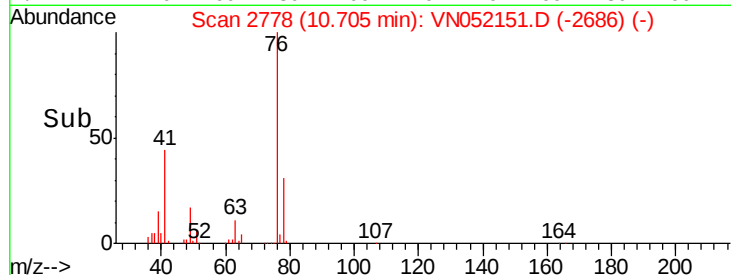
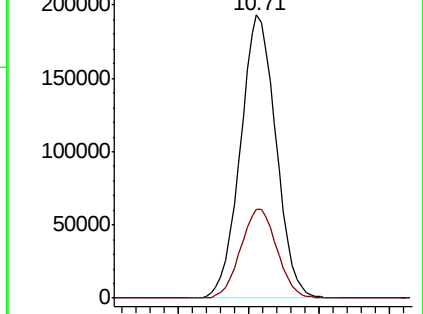
MMDadoda

11/6/2018 10:00:11 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 126.902 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052151.D

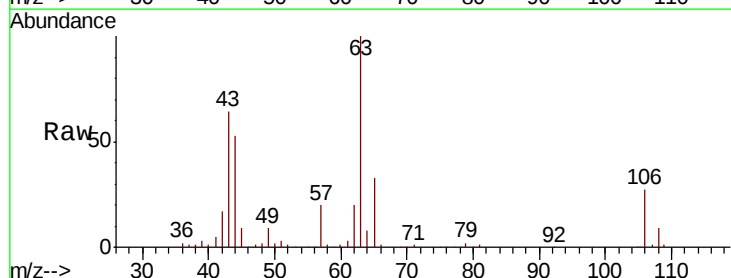
Acq: 5 Nov 2018 16:27

Tgt Ion: 63 Resp: 356306

Ion Ratio Lower Upper

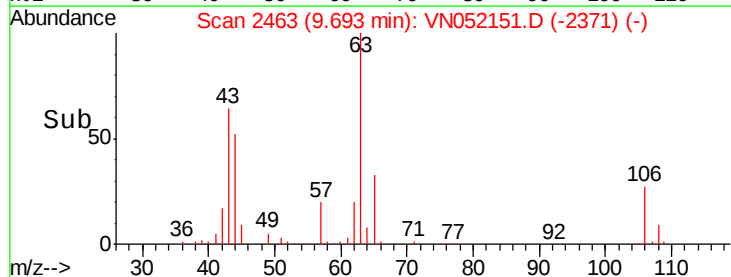
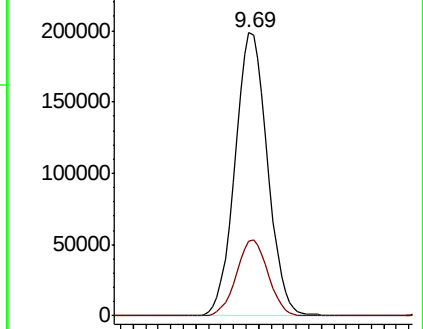
63 100

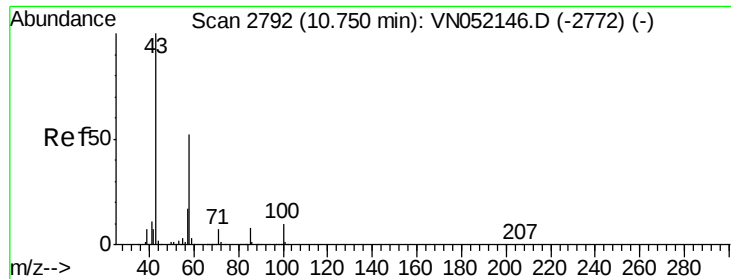
106 26.5 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





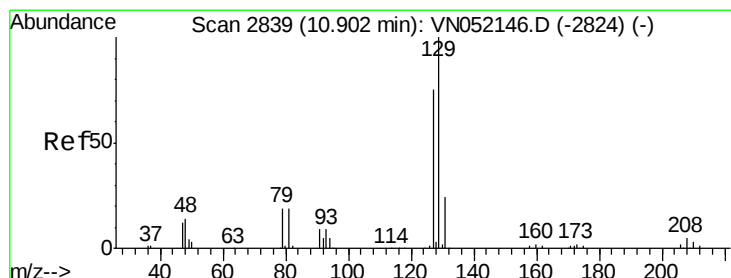
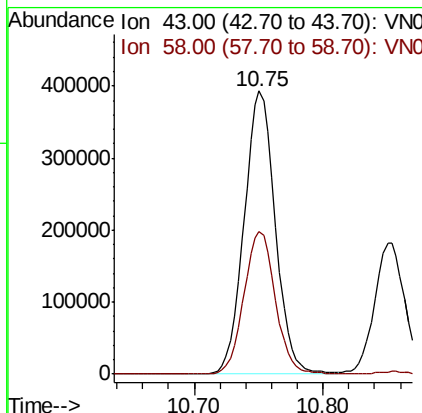
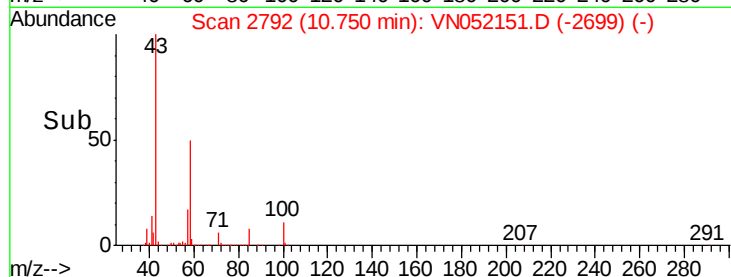
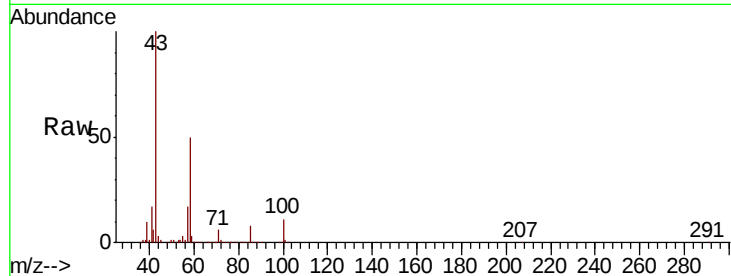
#59
2-Hexanone
Concen: 245.317 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 659236
Ion Ratio Lower Upper
43 100
58 50.9 25.8 77.4

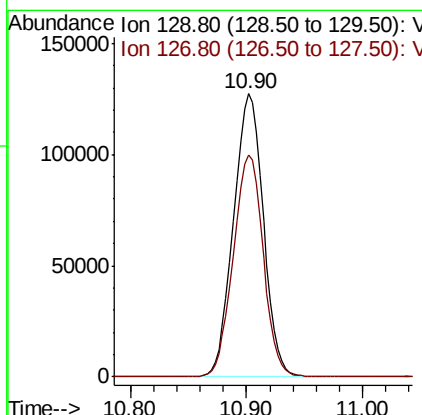
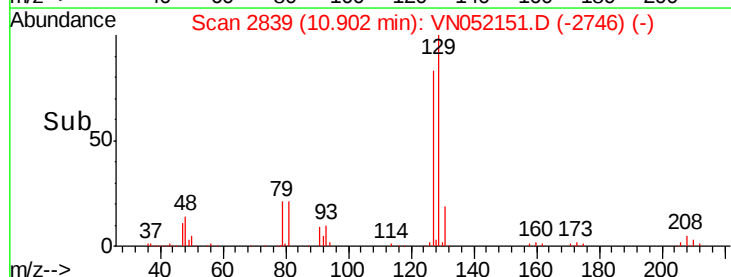
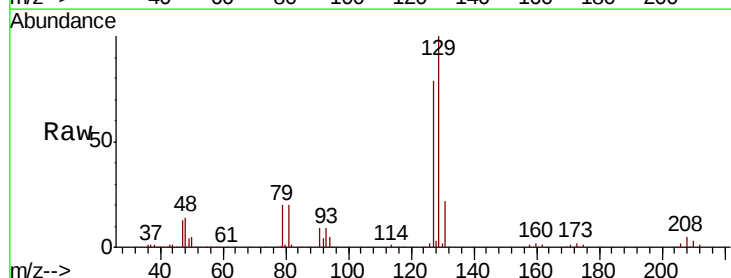
Manual Integrations
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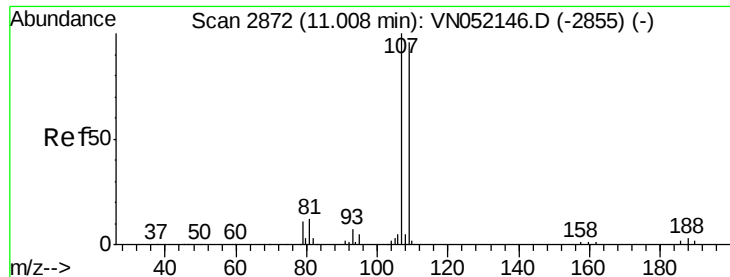
MMDadoda
11/6/2018 10:00:11 AM



#60
Dibromochloromethane
Concen: 49.761 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 129 Resp: 226501
Ion Ratio Lower Upper
129 100
127 78.5 38.0 114.1





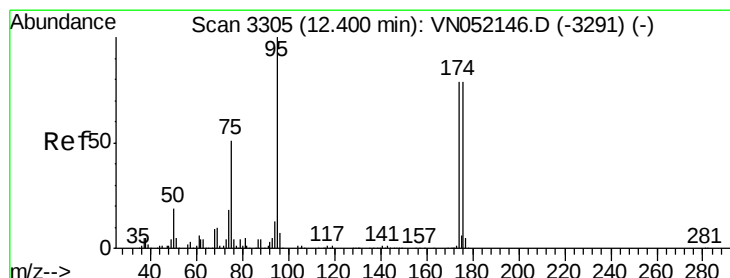
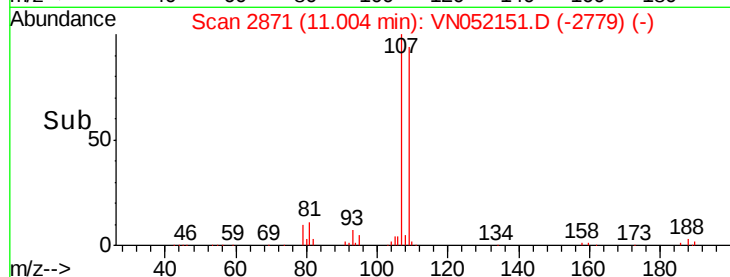
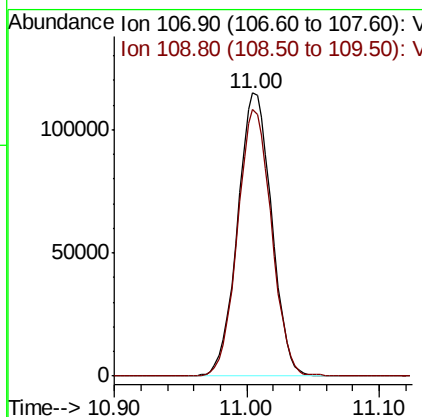
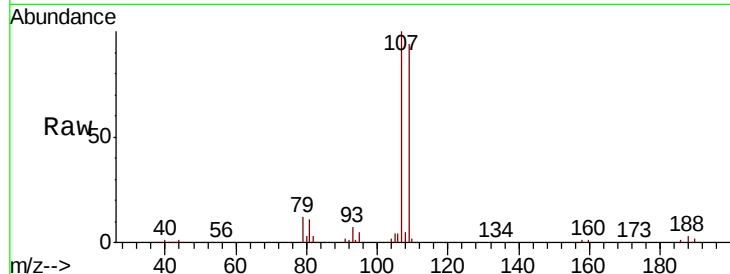
#61
 1,2-Dibromoethane
 Concen: 50.389 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.0	114.0

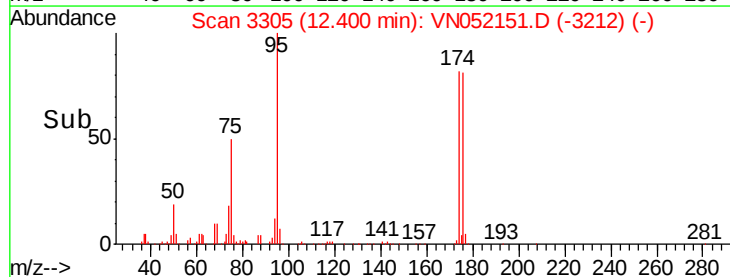
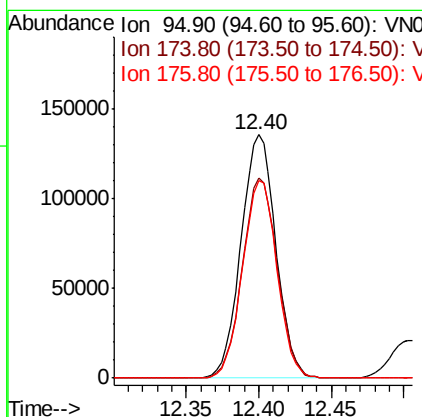
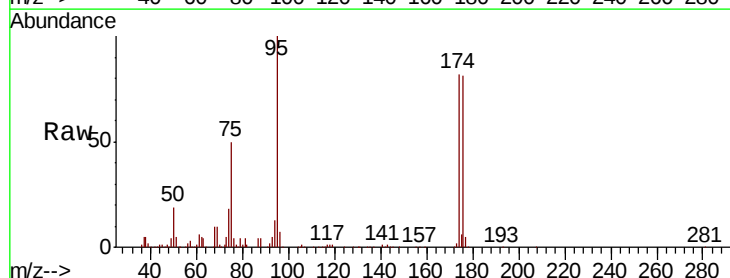
Manual Integrations
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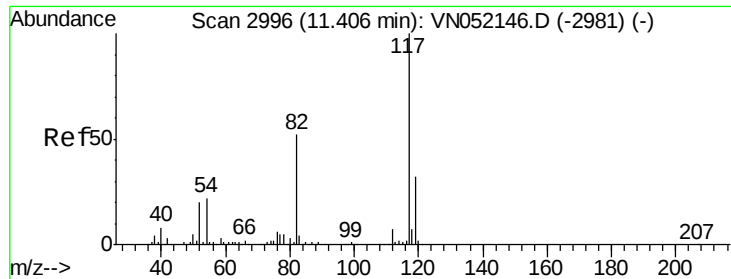
MMDadoda
 11/6/2018 10:00:11 AM



#62
 4-Bromofluorobenzene
 Concen: 50.389 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	162.6
176	80.3	0.0	155.4





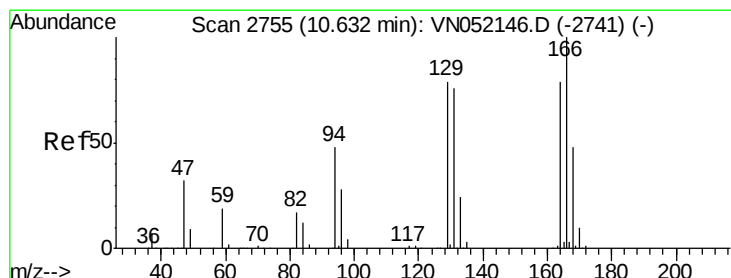
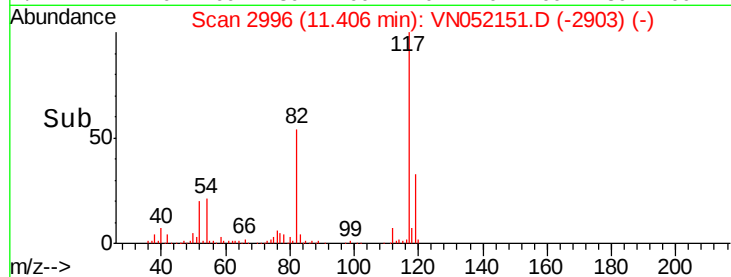
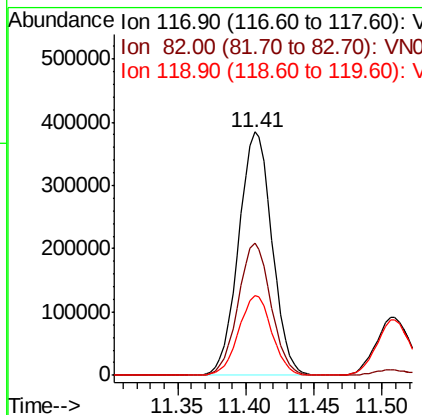
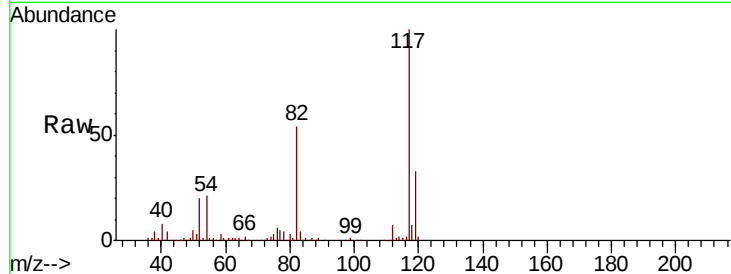
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.9	62.9
119	32.9	25.7	38.5

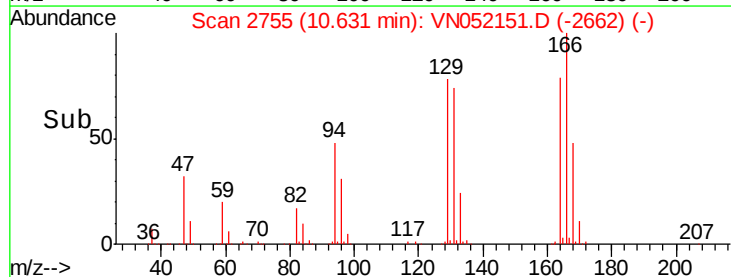
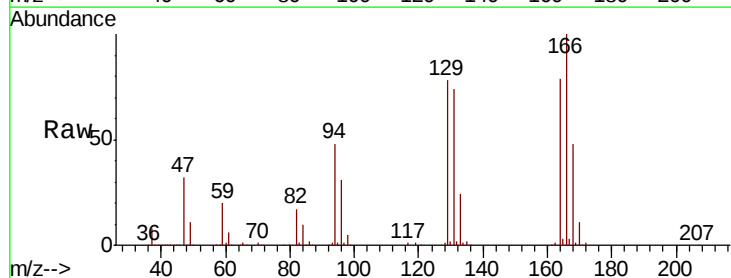
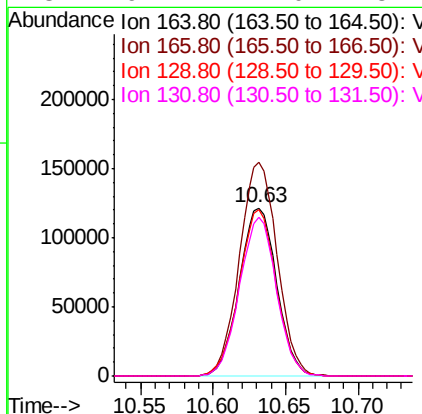
Manual Integrations
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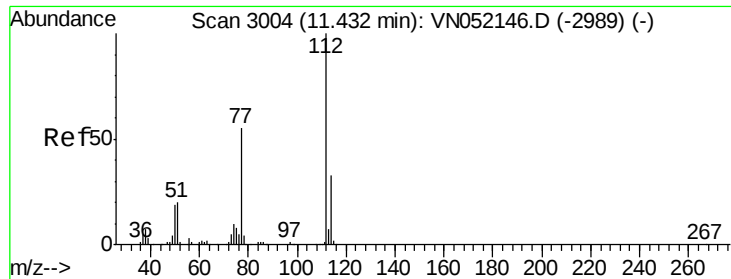
MMDadoda
11/6/2018 10:00:11 AM



#64
Tetrachloroethene
Concen: 51.469 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.8	151.2
129	99.0	79.1	118.7
131	94.4	77.0	115.4





#65

Chlorobenzene

Concen: 48.930 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 653337

Ion Ratio Lower Upper

112 100

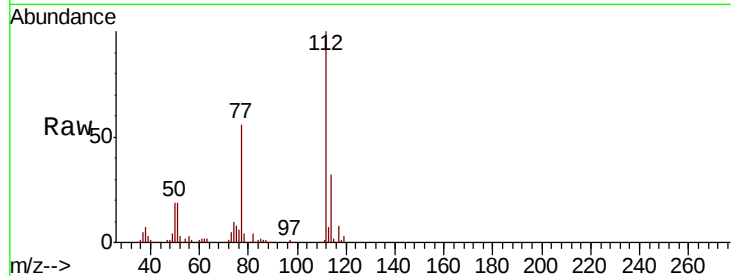
114 31.8 26.2 39.4

Manual Integrations

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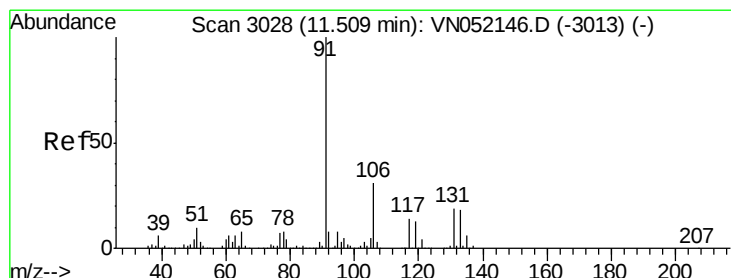
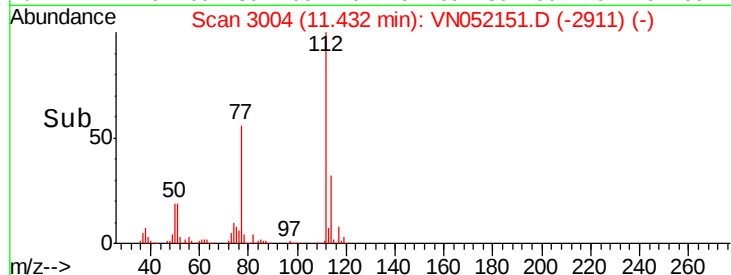
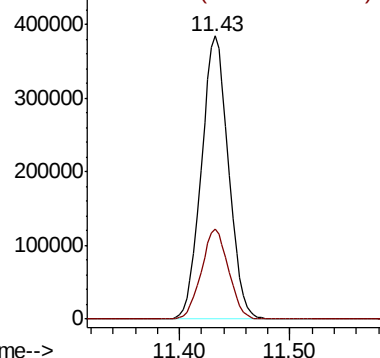
MMDadoda

11/6/2018 10:00:11 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.261 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

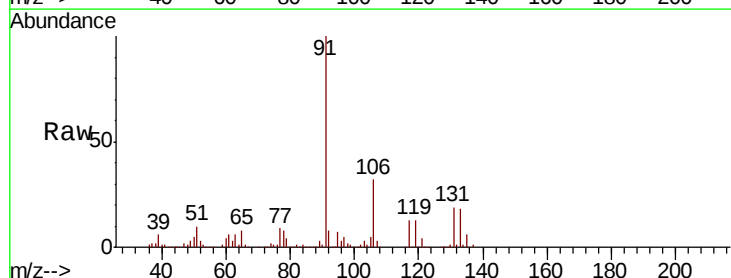
Tgt Ion:131 Resp: 229864

Ion Ratio Lower Upper

131 100

133 94.5 46.6 139.8

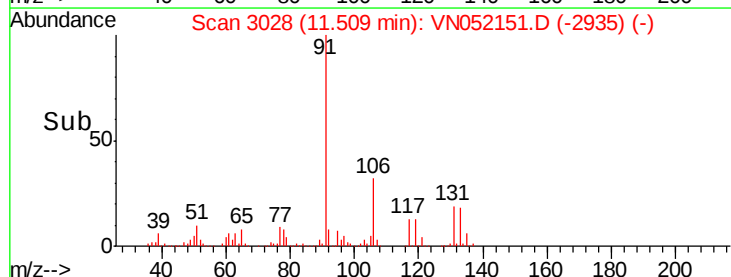
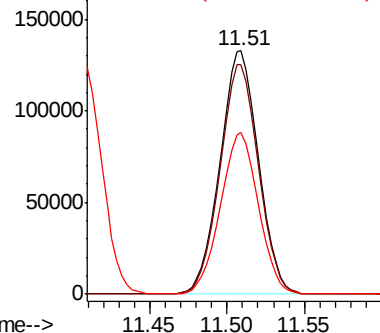
119 65.8 33.6 100.8

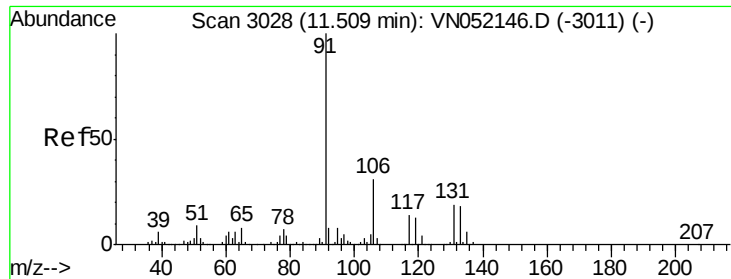


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





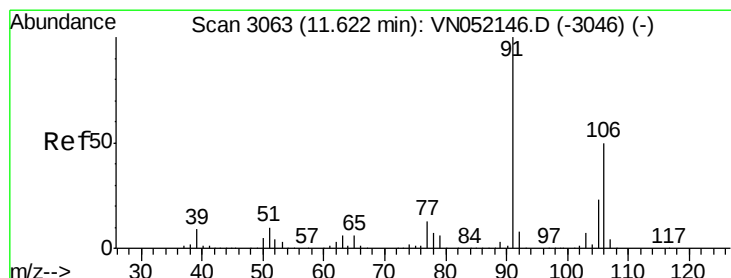
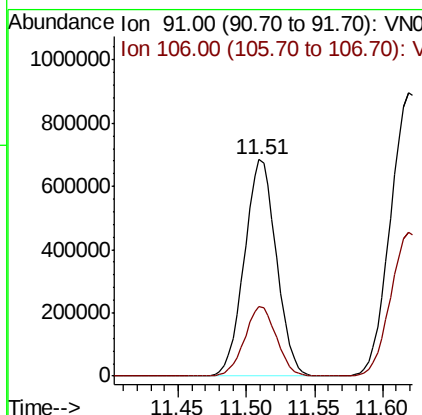
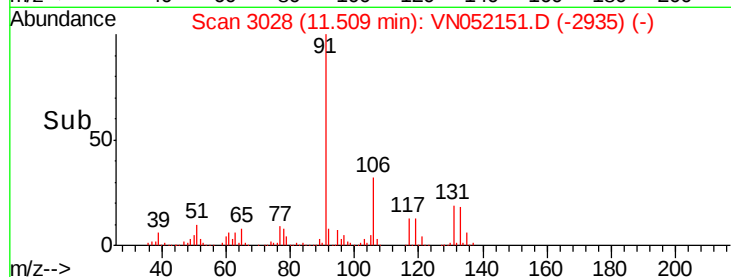
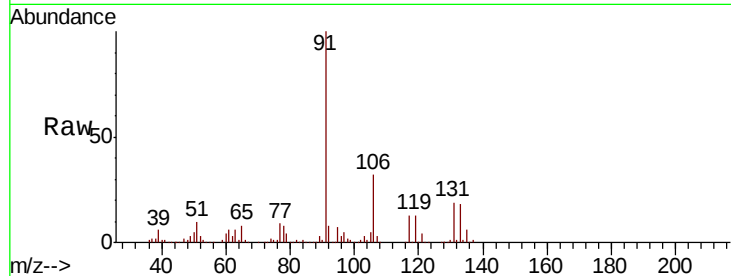
#67
Ethyl Benzene
Concen: 50.238 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1114160
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

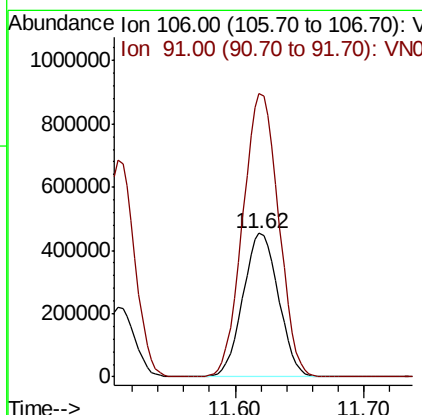
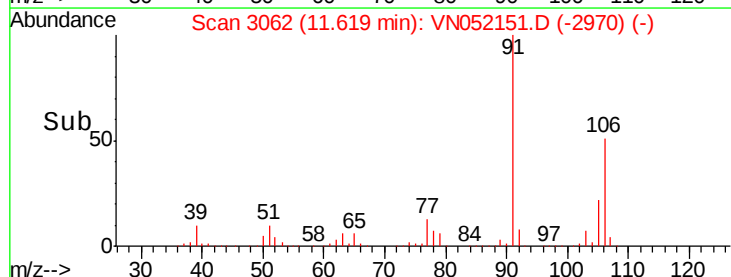
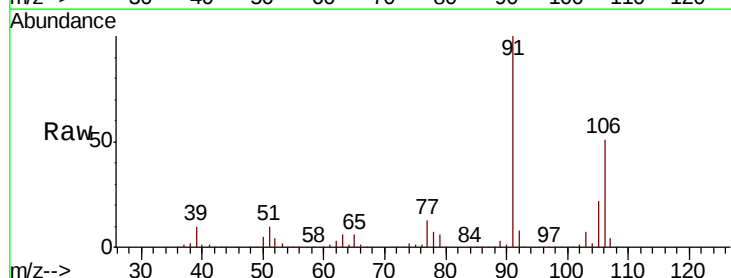
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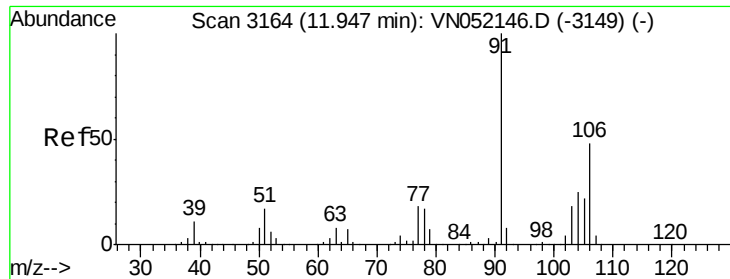
MMDadoda
11/6/2018 10:00:11 AM



#68
m/p-Xylenes
Concen: 101.971 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion: 106 Resp: 872605
Ion Ratio Lower Upper
106 100
91 198.8 158.2 237.4





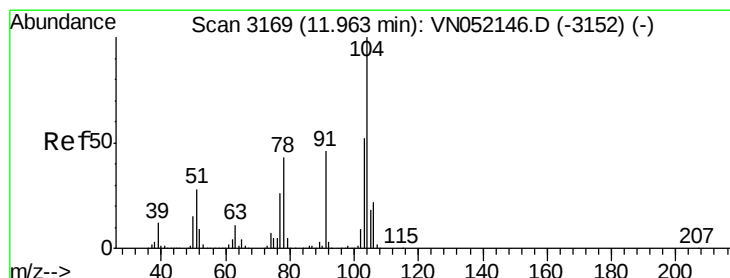
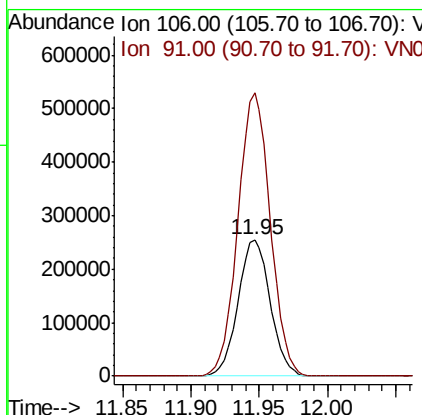
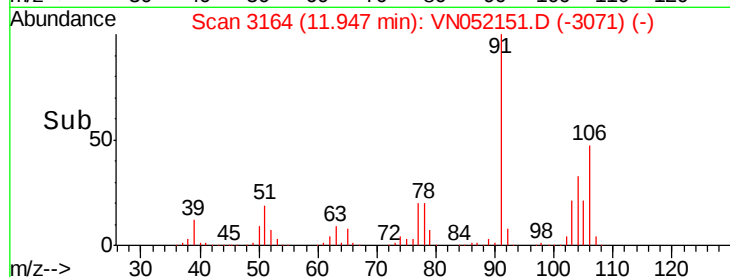
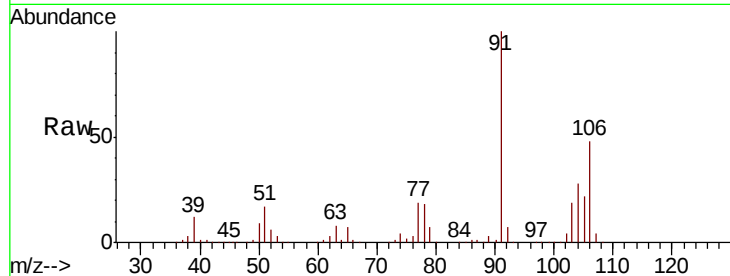
#69
o-Xylene
Concen: 50.286 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.7	104.8	314.3	

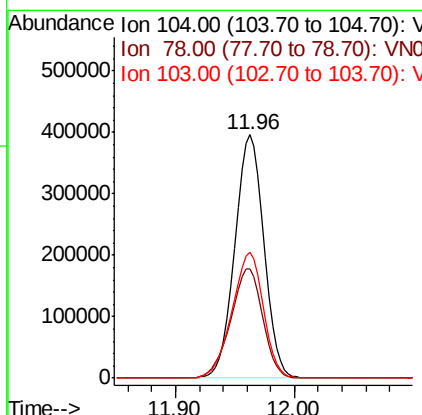
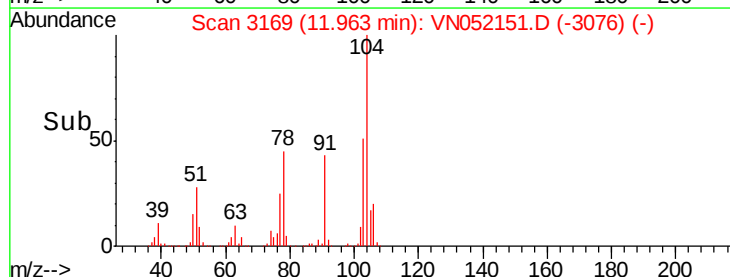
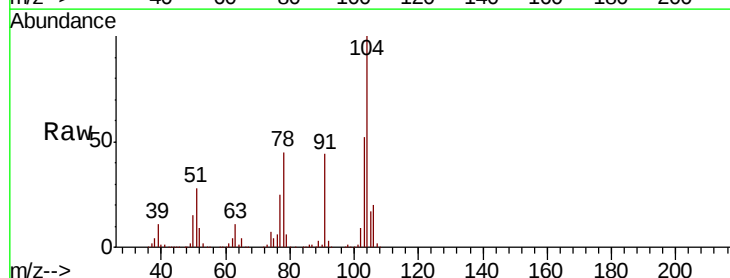
Manual Integrations
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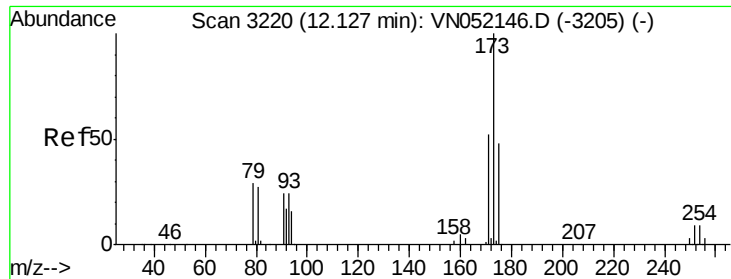
MMDadoda
11/6/2018 10:00:11 AM



#70
Styrene
Concen: 51.038 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.6	39.4	59.0	
103	55.7	45.1	67.7	





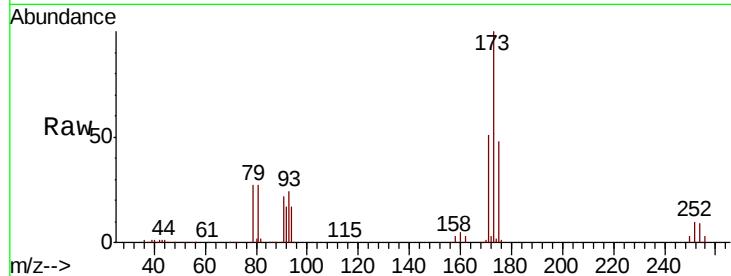
#71
Bromoform
Concen: 46.229 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.8	74.4
254	0.1	0.2	0.2#

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11/6/2018 10:00:11 AM

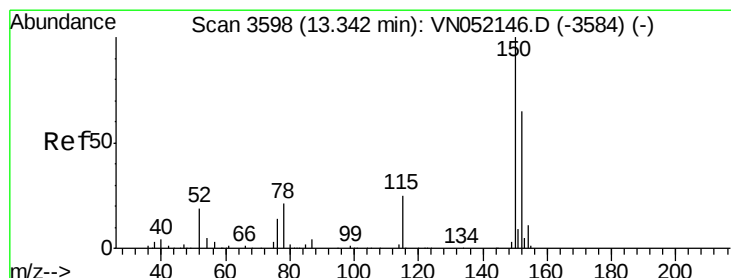
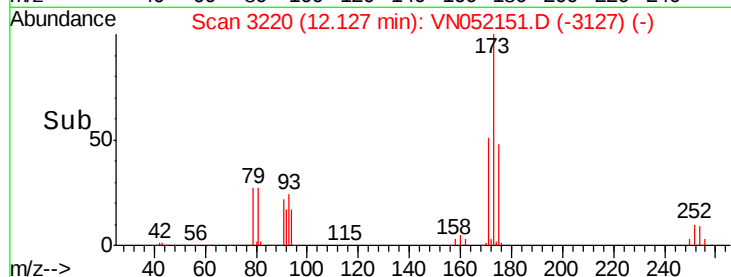
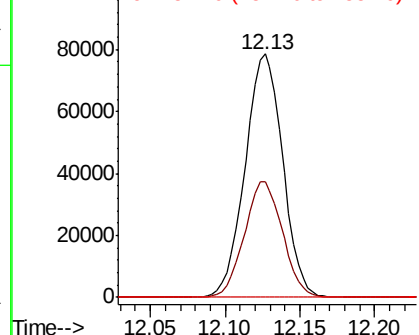


Abundance

Ion 172.70 (172.40 to 173.40): V

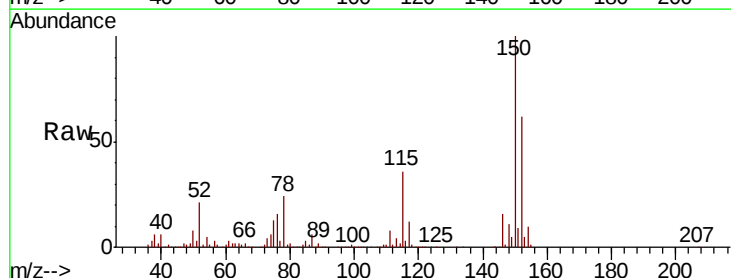
Ion 174.70 (174.40 to 175.40): V

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: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.5	85.5
150	171.3	0.0	348.6

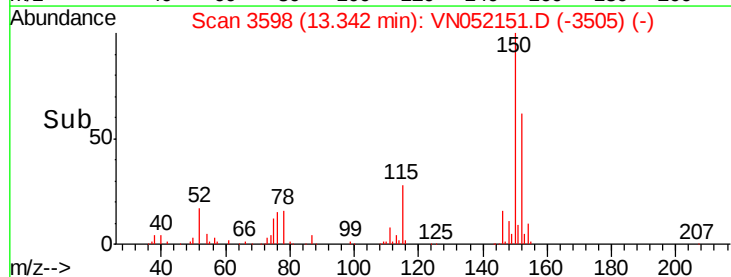
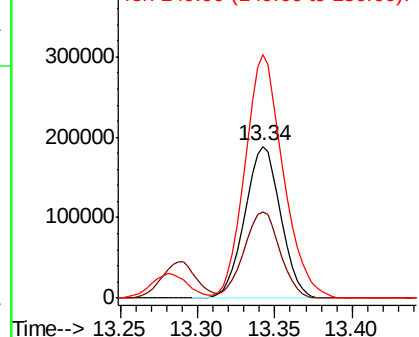


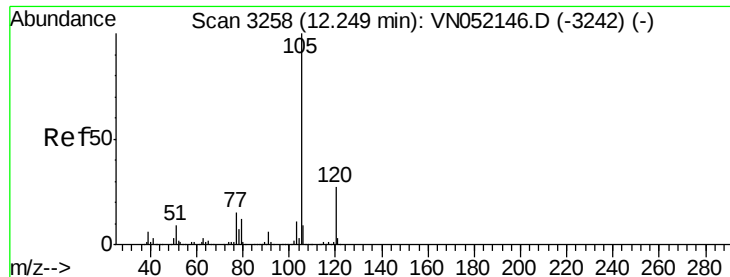
Abundance

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: 48.622 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1116636

Ion Ratio Lower Upper

105 100

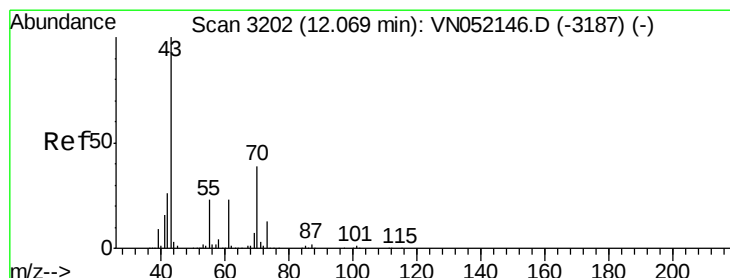
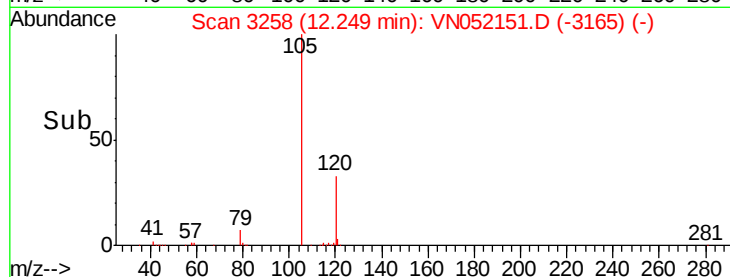
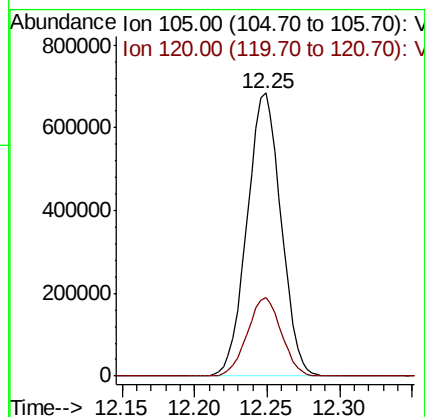
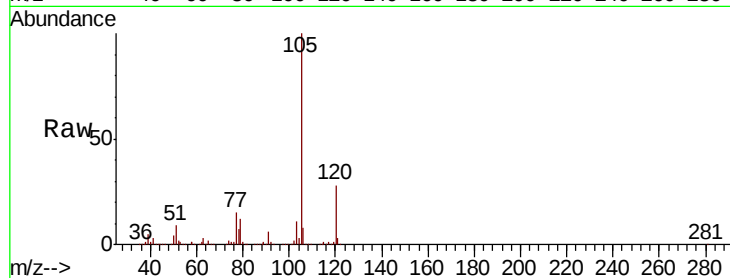
120 27.8 13.3 39.9

Manual Integrations

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11/6/2018 10:00:11 AM



#74

N-ethyl acetate

Concen: 47.041 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Tgt Ion: 43 Resp: 320579

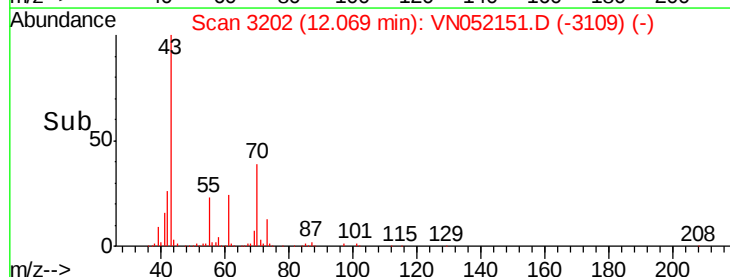
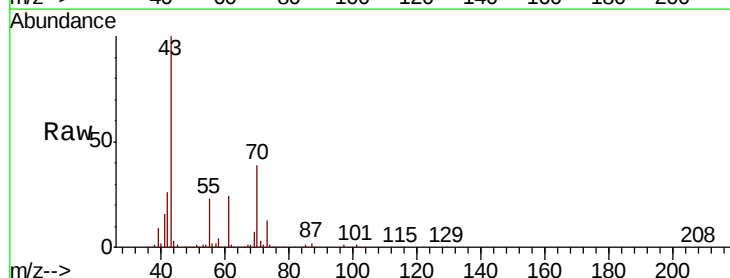
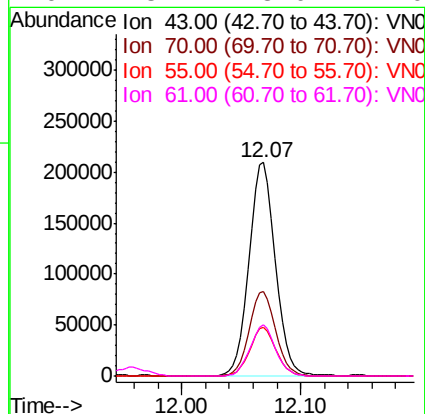
Ion Ratio Lower Upper

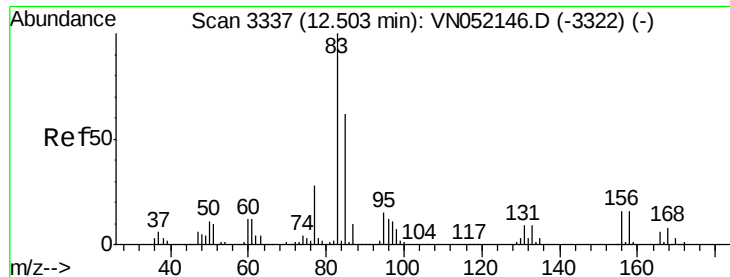
43 100

70 39.8 31.1 46.7

55 22.7 18.5 27.7

61 23.4 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.201 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

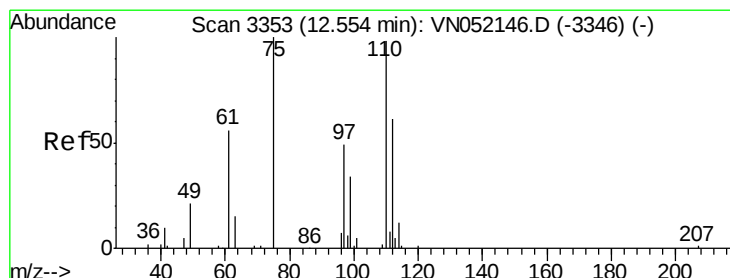
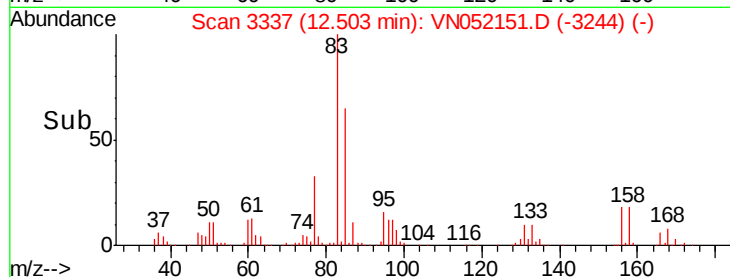
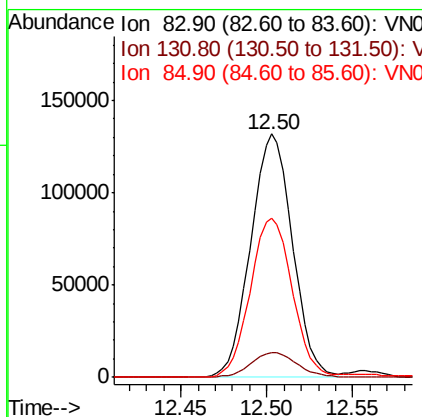
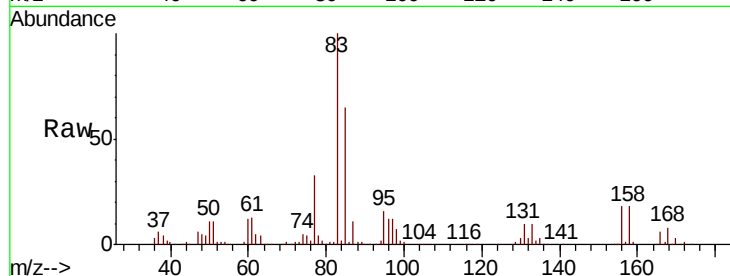
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	222197
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.0	14.9
85	65.6	31.8	95.3

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#76

1,2,3-Trichloropropane

Concen: 41.757 ug/l m

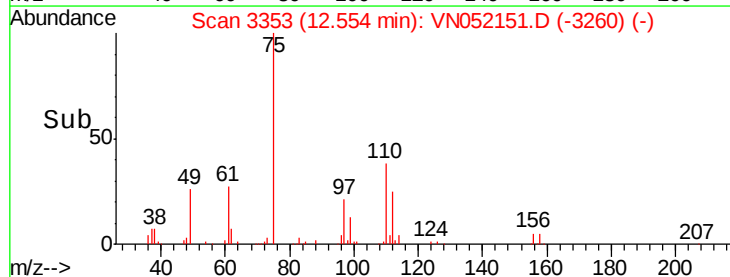
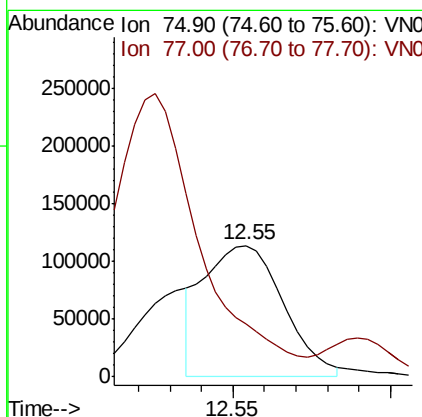
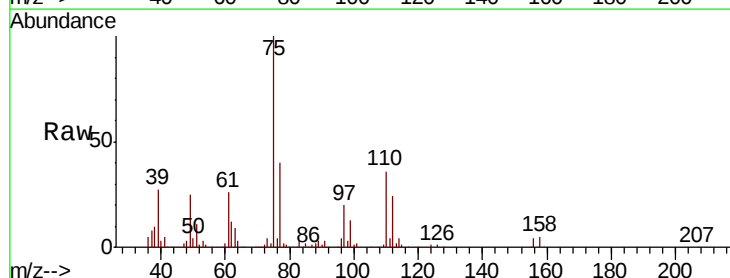
RT: 12.55 min Scan# 3353

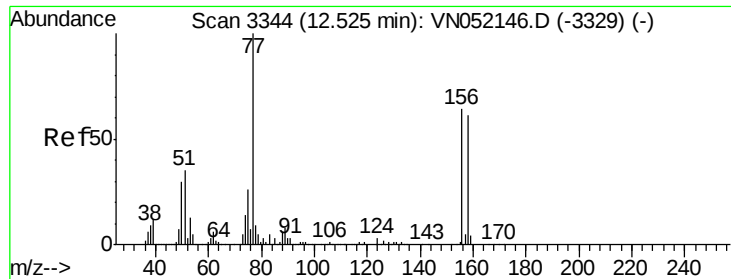
Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Tgt Ion:	75	Resp:	199600
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





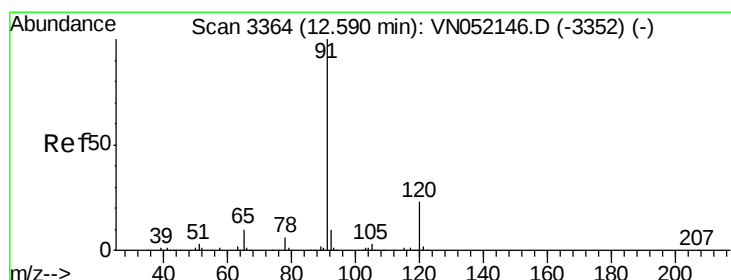
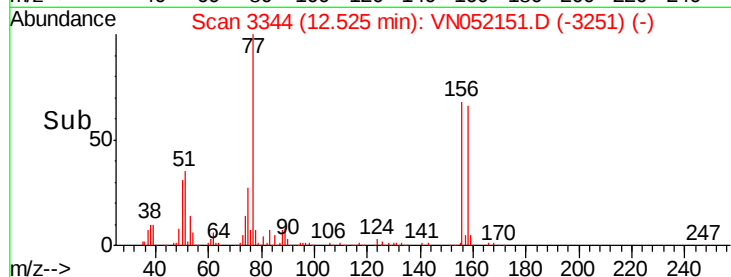
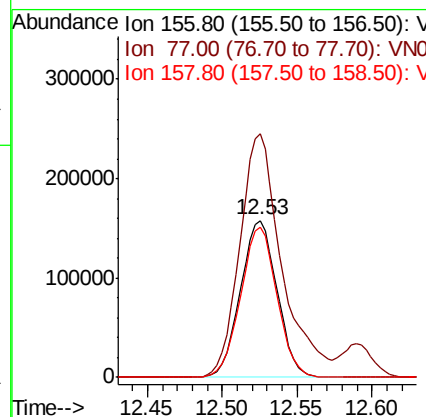
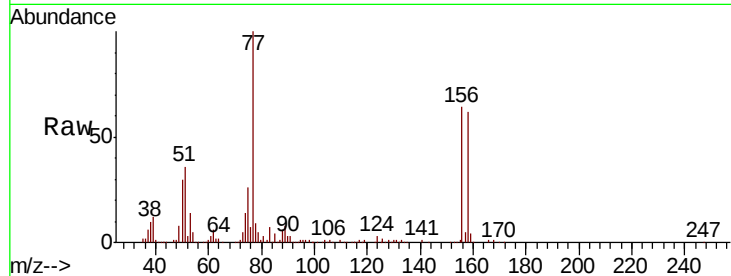
#77
Bromobenzene
Concen: 48.865 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.4	91.6	274.9
158	95.3	48.1	144.3

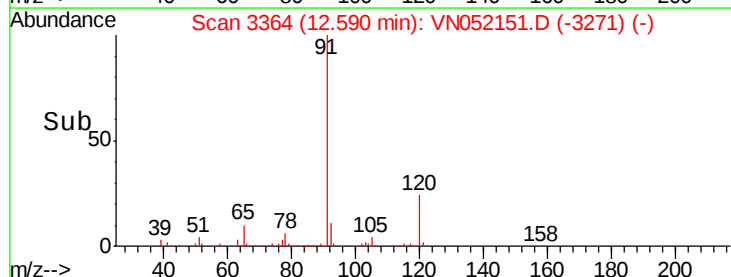
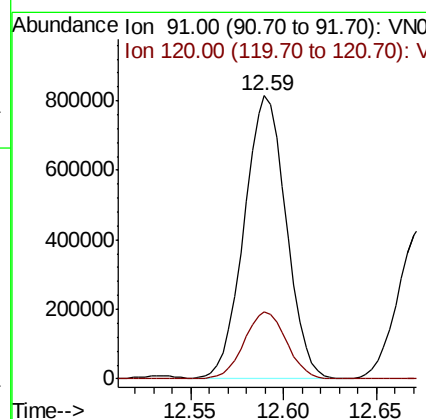
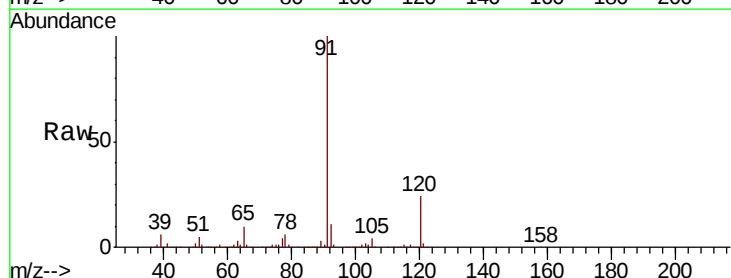
Manual Integrations
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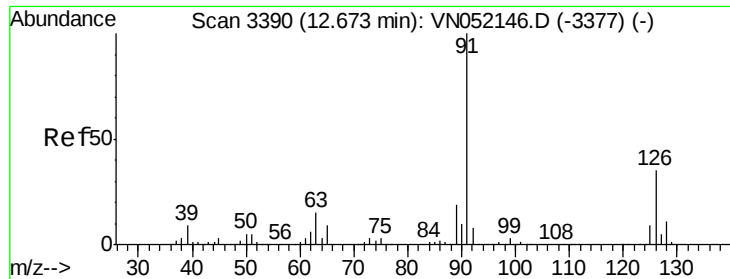
MMDadoda
11/6/2018 10:00:11 AM



#78
n-propylbenzene
Concen: 48.842 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.7





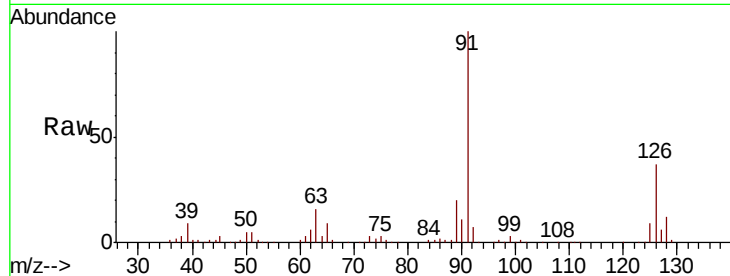
#79
 2-Chlorotoluene
 Concen: 47.155 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

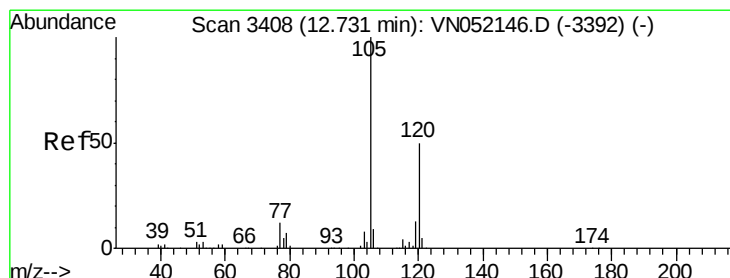
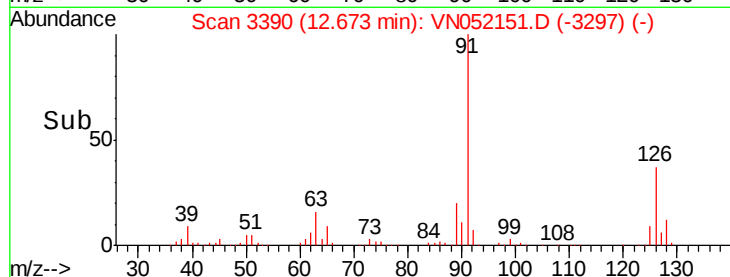
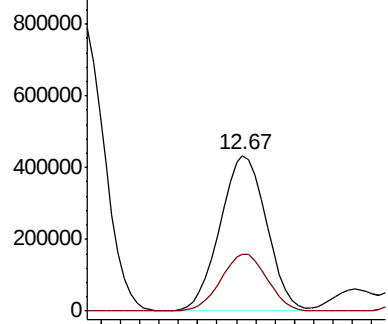
Tot Ion: 91 Resp: 725767
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.0 54.0

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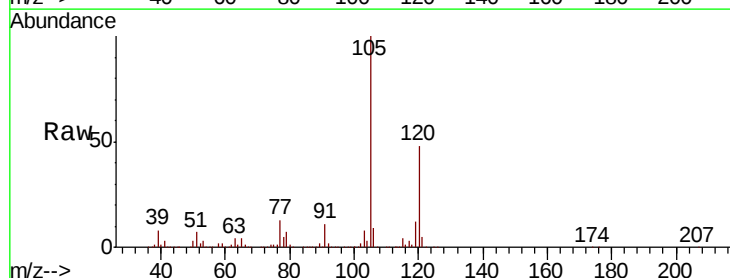


Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN052146.D (-3377) (-)

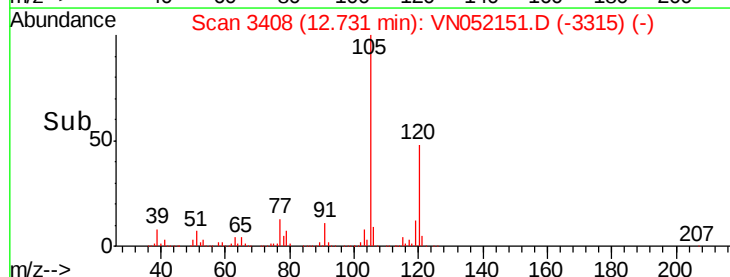
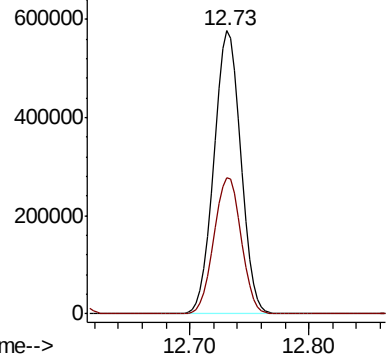


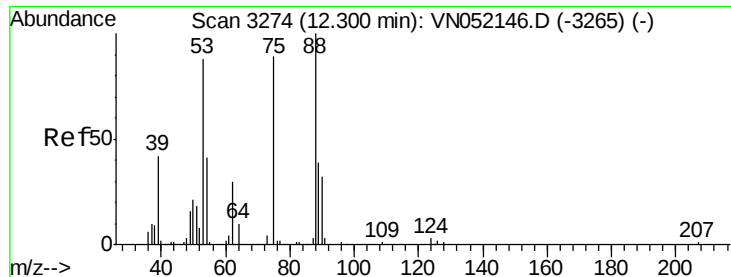
#80
 1,3,5-Trimethylbenzene
 Concen: 48.470 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion: 105 Resp: 901044
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN052146.D (-3392) (-)
 Ion 120.00 (119.70 to 120.70): VN052146.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.376 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 65916

Ion Ratio Lower Upper

75 100

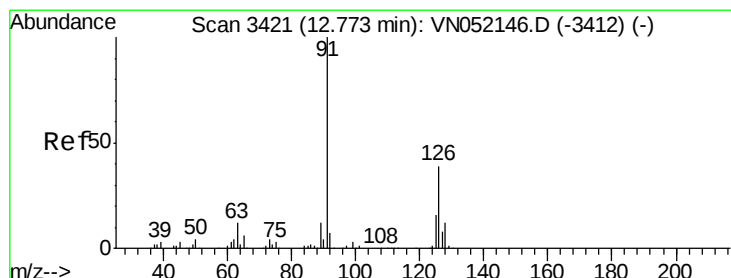
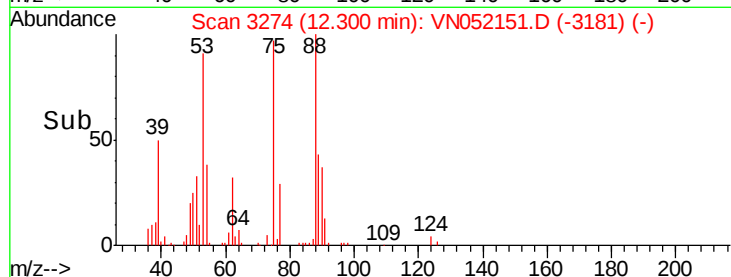
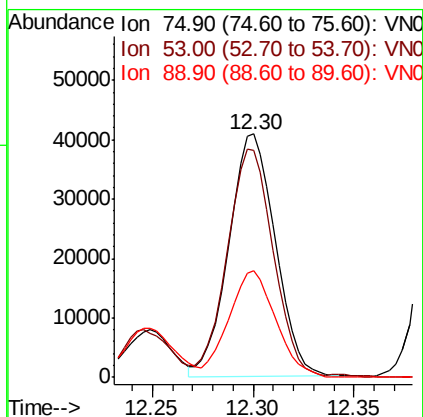
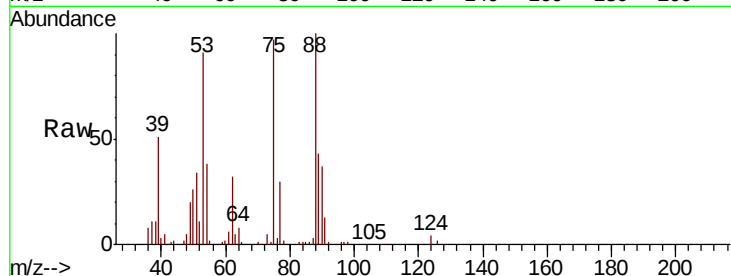
53 92.1 79.4 119.0

89 44.1 35.8 53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.288 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052151.D

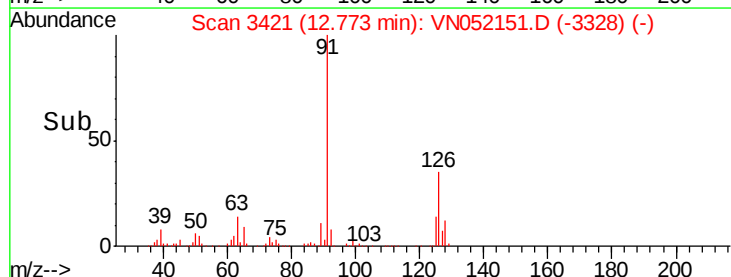
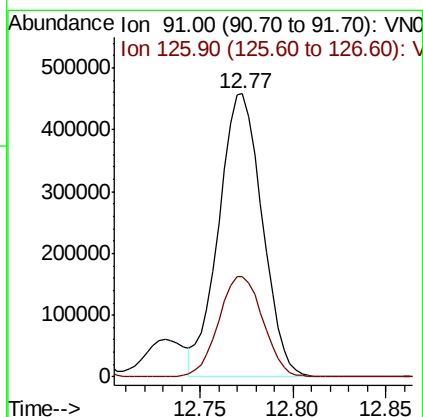
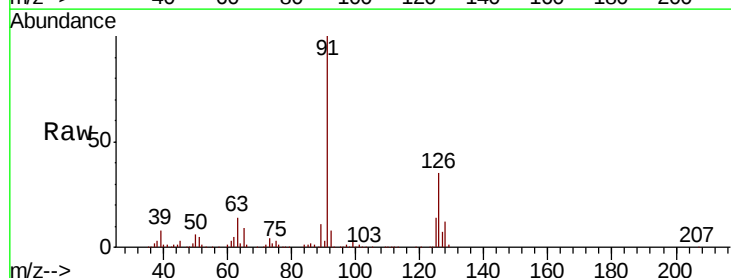
Acq: 5 Nov 2018 16:27

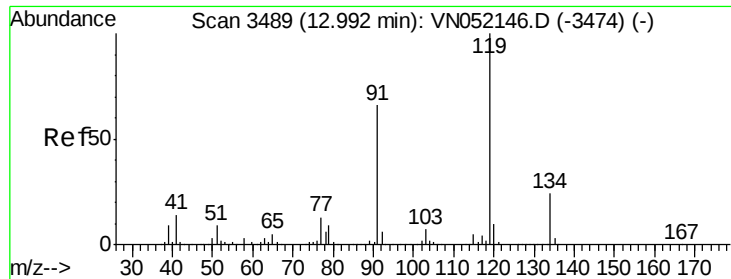
Tgt Ion: 91 Resp: 746996

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.5





#83

tert-Butylbenzene

Concen: 48.332 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

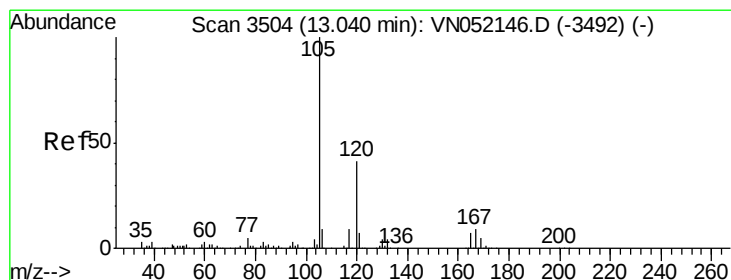
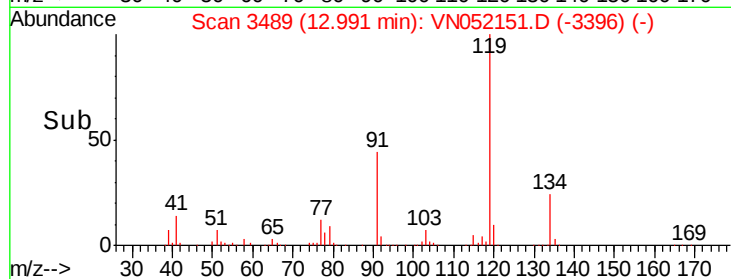
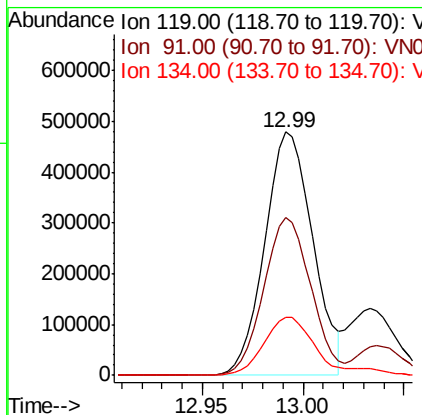
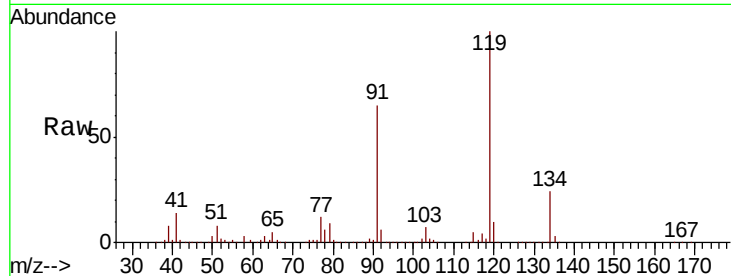
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	793352
Ion Ratio	Lower	Upper	
119	100		
91	63.8	32.3	96.8
134	24.6	13.0	38.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.902 ug/l

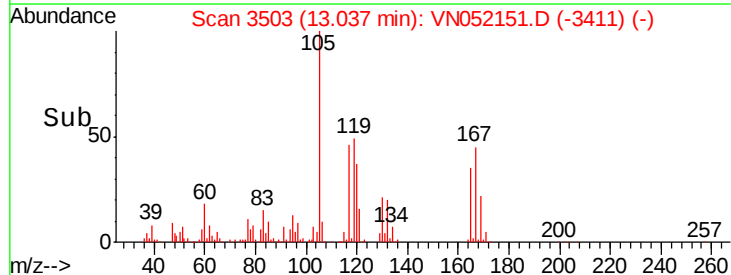
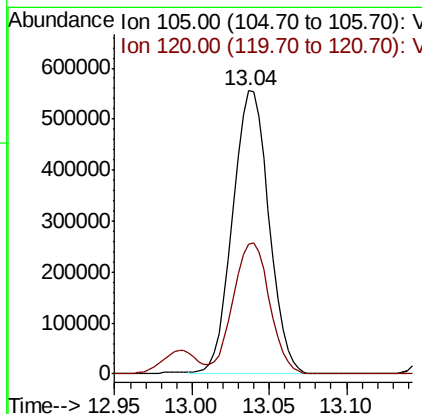
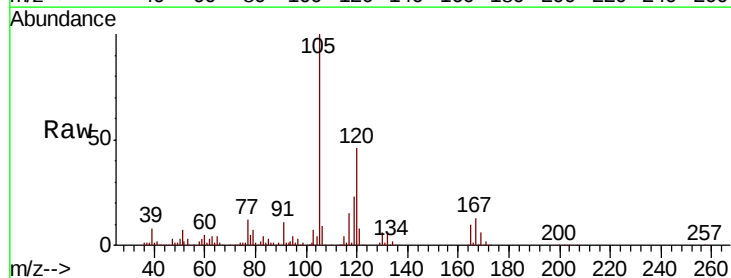
RT: 13.04 min Scan# 3503

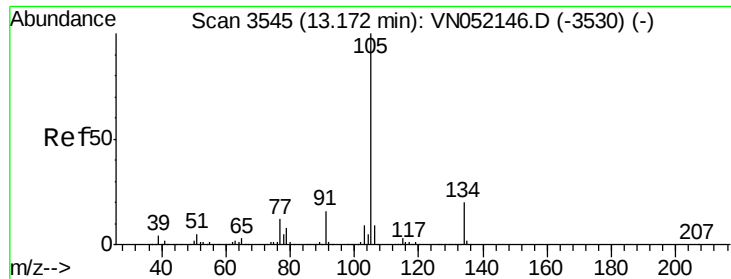
Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Tgt Ion:	105	Resp:	904916
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.2	69.5





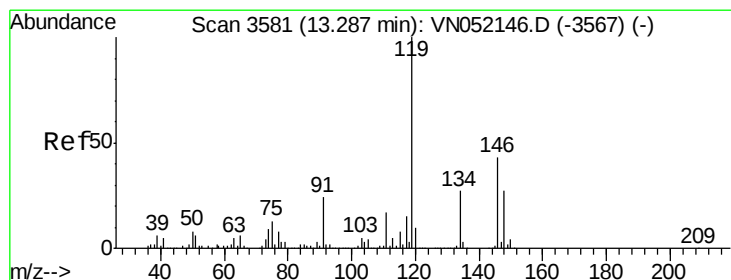
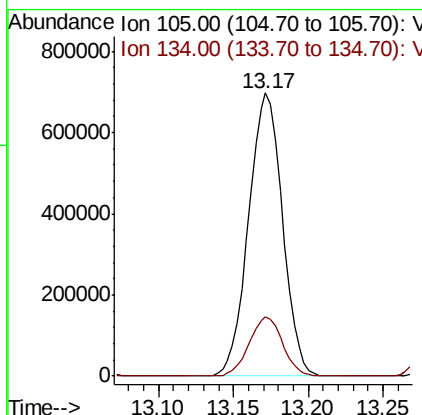
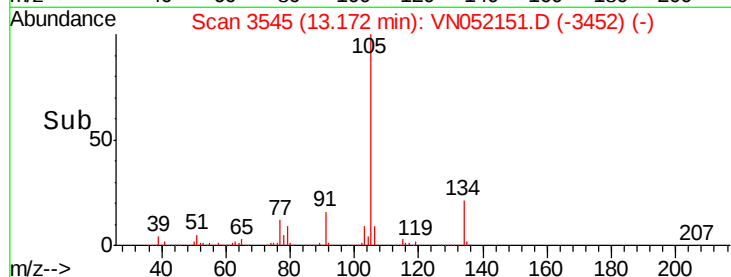
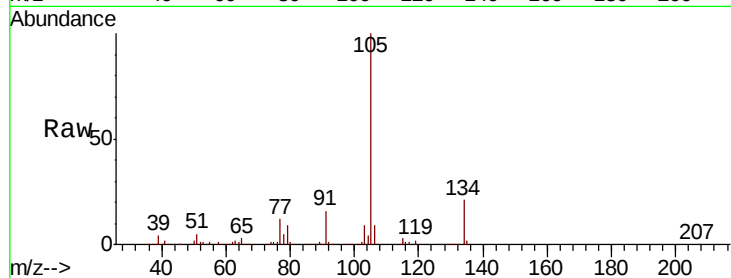
#85
 sec-Butylbenzene
 Concen: 49.446 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1097480
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.2 30.4

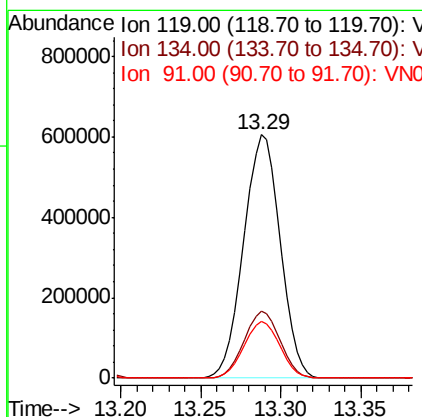
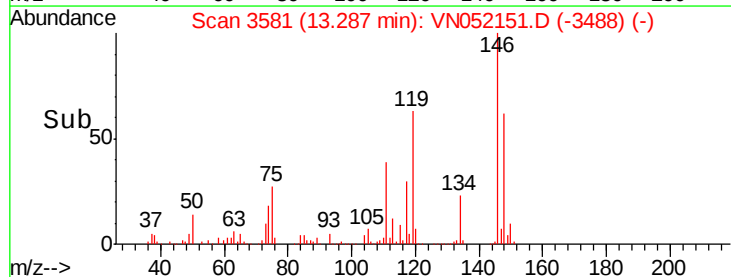
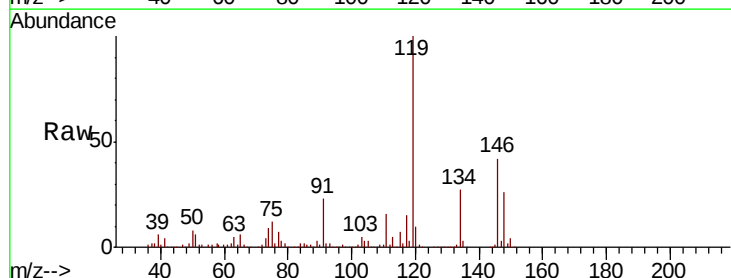
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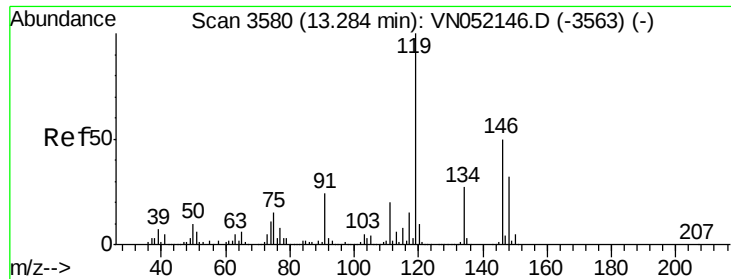
MMDadoda
 11/6/2018 10:00:11 AM



#86
 p-Isopropyltoluene
 Concen: 50.462 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion:119 Resp: 942714
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.5
 91 22.9 11.9 35.7





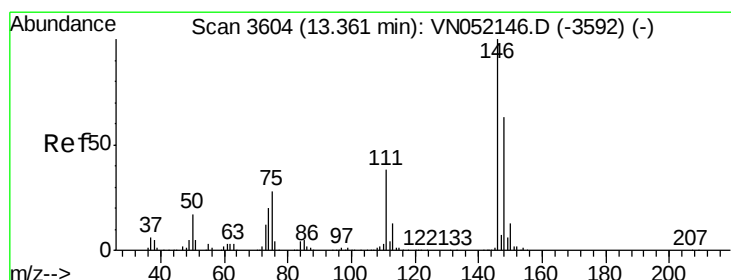
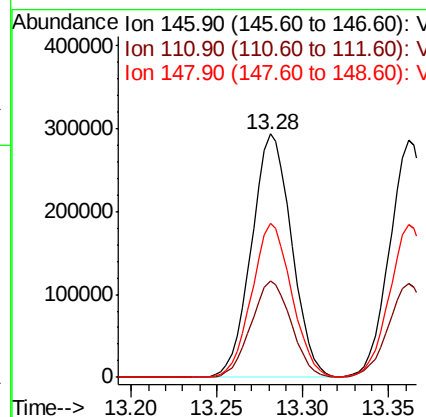
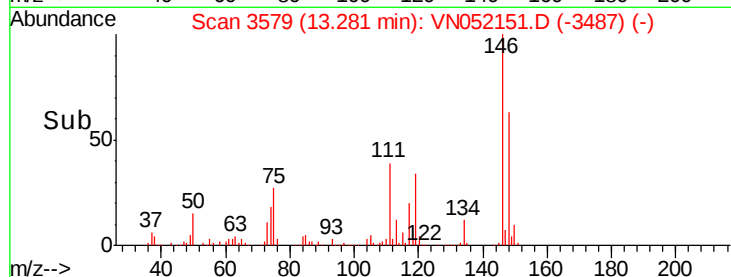
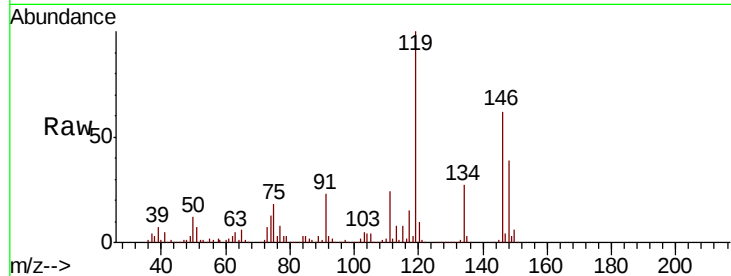
#87
 1,3-Dichlorobenzene
 Concen: 49.170 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.6
148	62.9	32.1	96.3

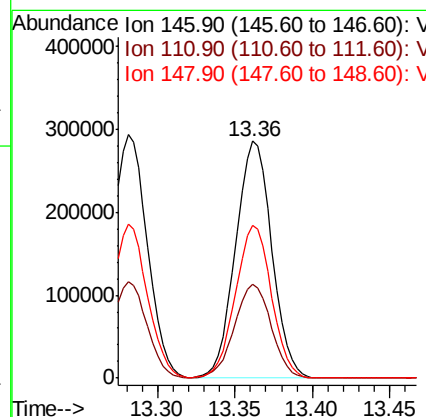
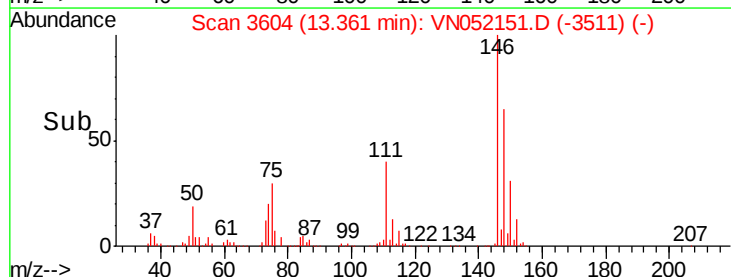
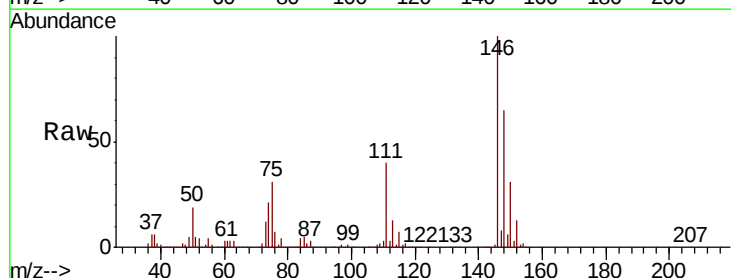
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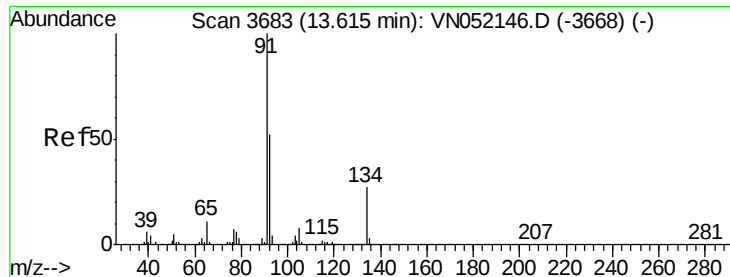
MMDadoda
 11/6/2018 10:00:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.073 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.4	58.1
148	64.1	31.5	94.5





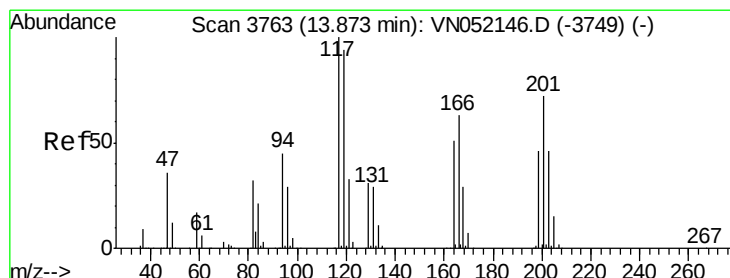
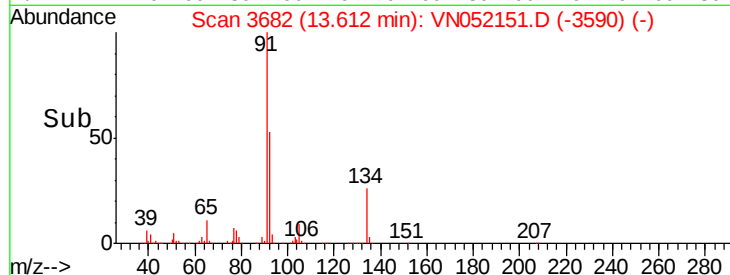
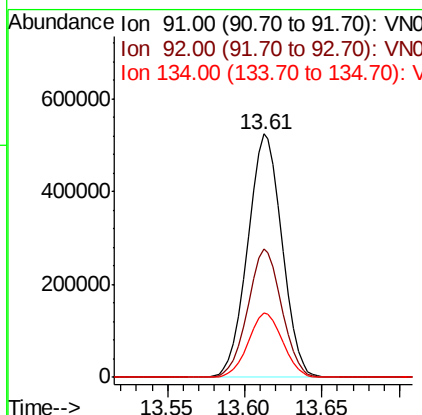
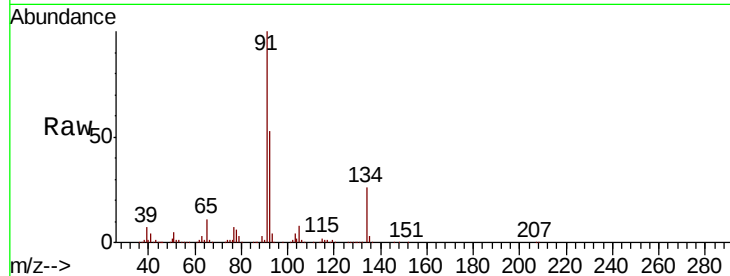
#89
n-Butylbenzene
Concen: 50.184 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	26.5	13.4	40.2

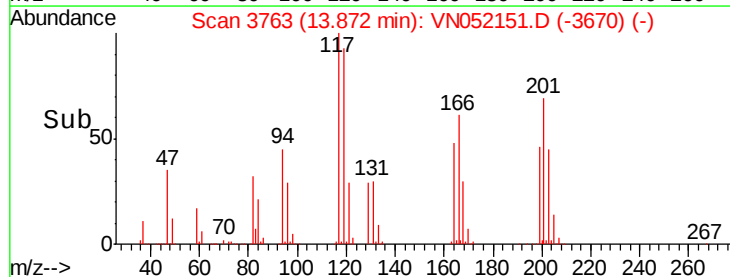
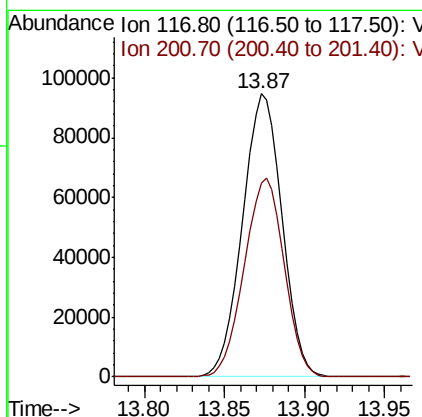
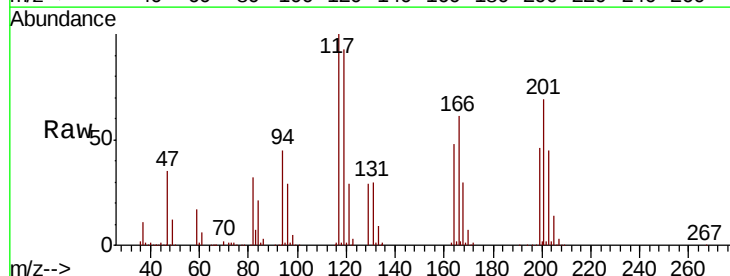
Manual Integrations
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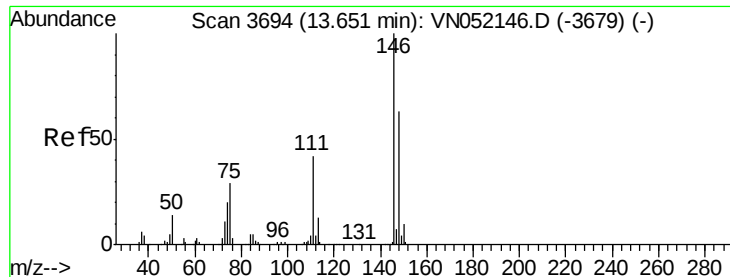
MMDadoda
11/6/2018 10:00:11 AM



#90
Hexachloroethane
Concen: 50.687 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052151.D
Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	36.8	110.3





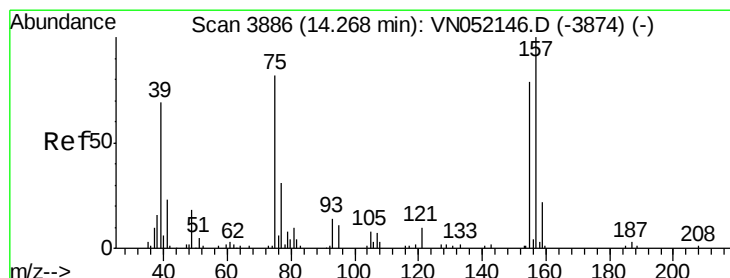
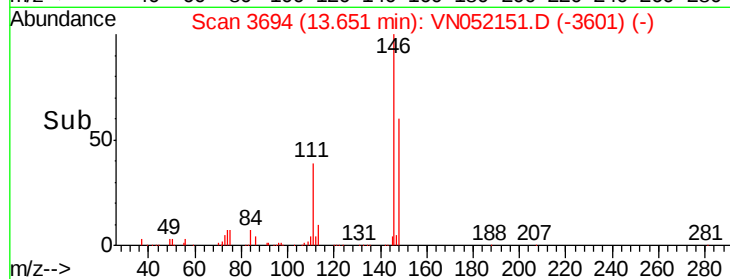
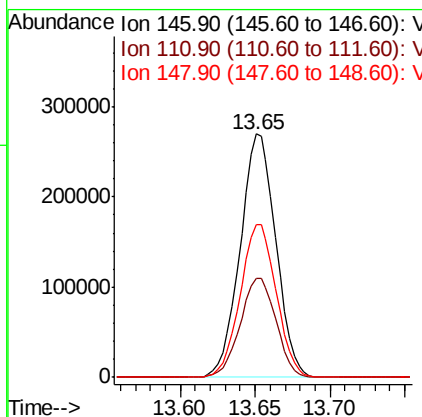
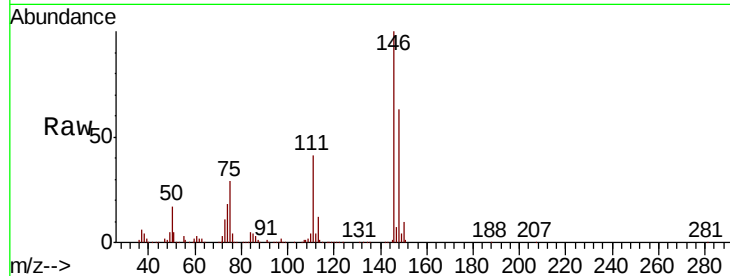
#91
 1,2-Dichlorobenzene
 Concen: 49.141 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	63.5	31.4	94.3

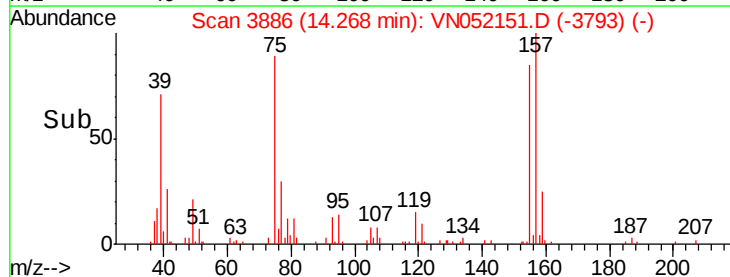
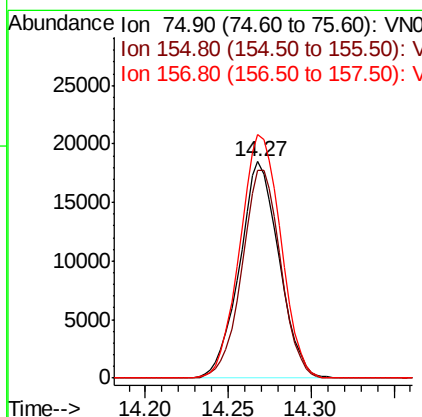
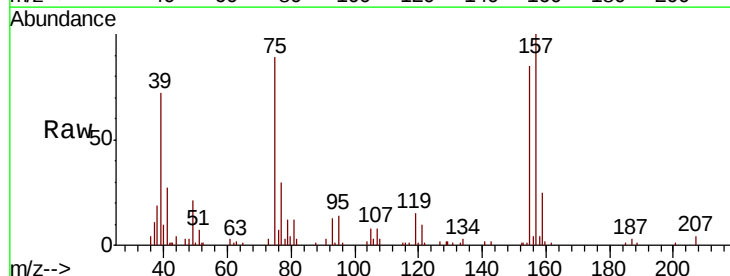
Manual Integrations
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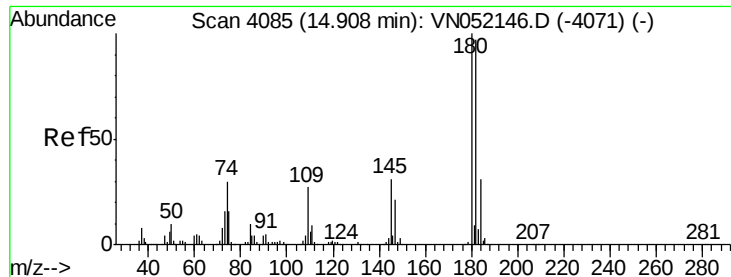
MMDadoda
 11/6/2018 10:00:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.347 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	47.4	142.2
157	116.0	60.3	180.8





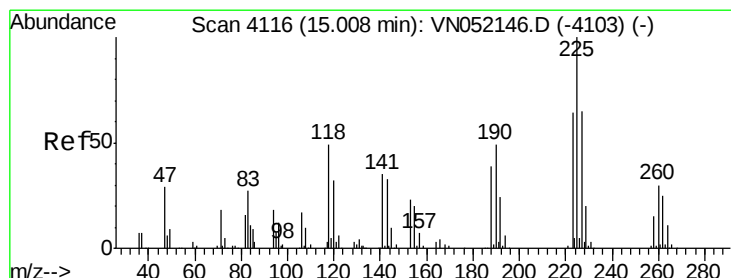
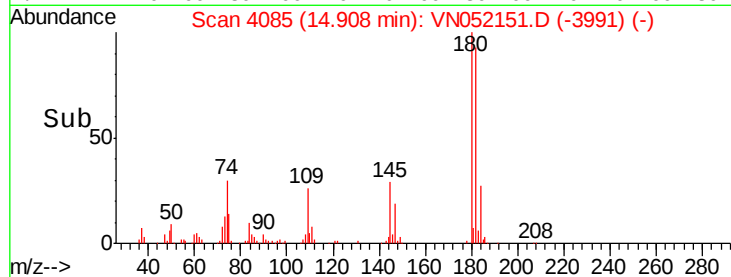
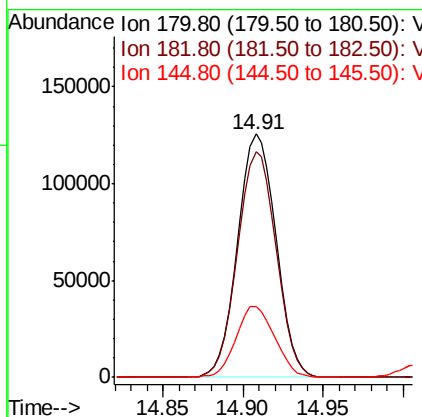
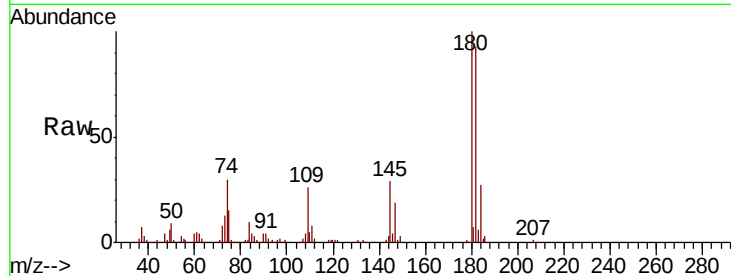
#93
 1,2,4-Trichlorobenzene
 Concen: 47.957 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205011		
182	93.9	48.1	144.4	
145	29.4	15.3	45.9	

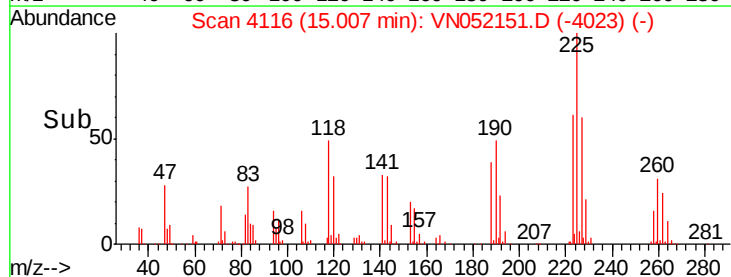
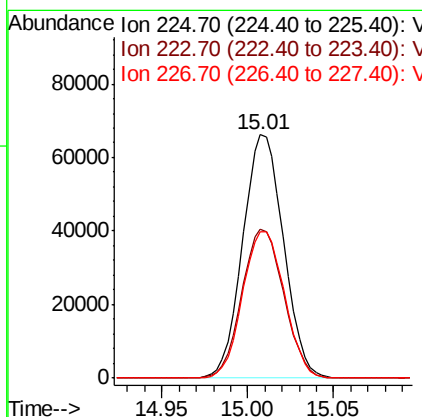
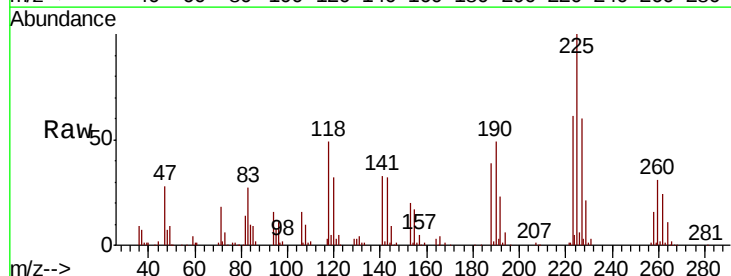
Manual Integrations
 APPROVED

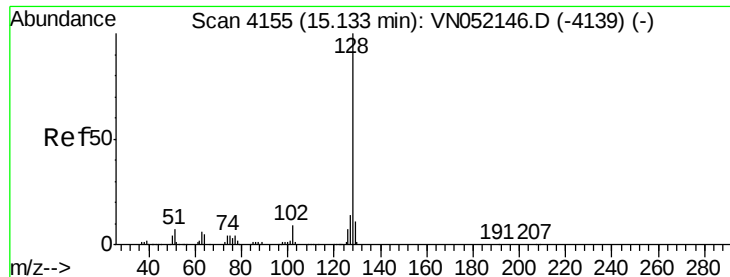
MMDadoda
 11/6/2018 10:00:11 AM



#94
 Hexachlorobutadiene
 Concen: 51.160 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052151.D
 Acq: 5 Nov 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109177		
223	62.8	32.3	96.8	
227	61.6	31.6	94.8	





#95

Naphthalene

Concen: 47.718 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Instrument :

MSVOA_N

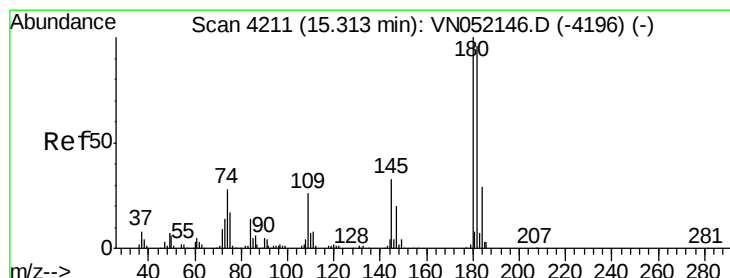
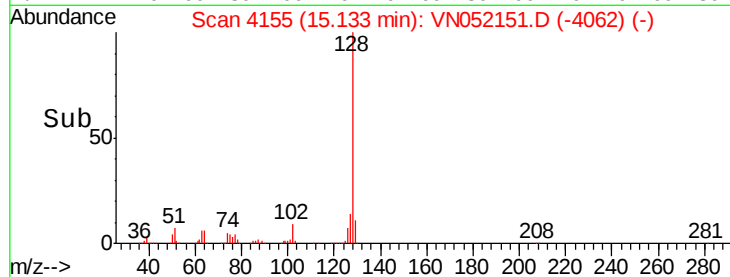
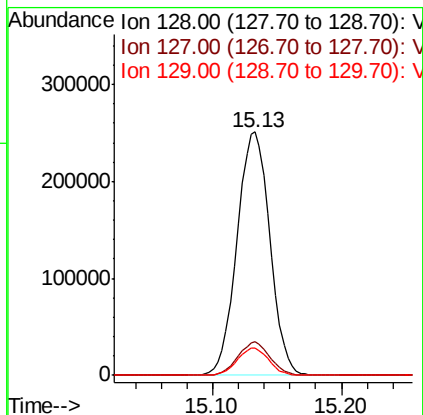
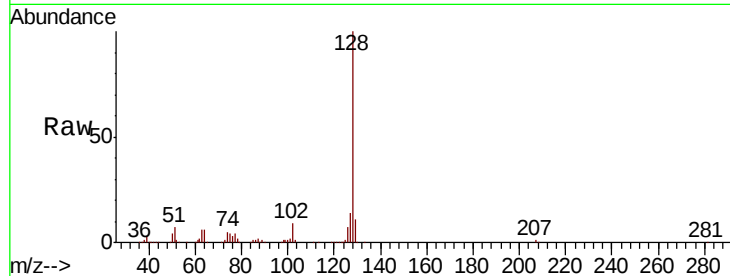
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	443840
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.8	16.2
129	10.8	9.1	13.7

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



#96

1,2,3-Trichlorobenzene

Concen: 48.970 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052151.D

Acq: 5 Nov 2018 16:27

Tgt Ion:	180	Resp:	180504
Ion Ratio	Lower	Upper	
180	100		
182	91.7	46.6	139.7
145	31.3	16.7	50.0

