

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052060.D
 Acq On : 30 Oct 2018 11:38
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:48:07 AM

Quant Time: Oct 31 02:44:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	303328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	565107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	538482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	658420	137.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.80%	
35) Dibromofluoromethane	7.59	113	531180	156.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.64%	
50) Toluene-d8	10.09	98	2096958	152.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.42%	
62) 4-Bromofluorobenzene	12.40	95	782407	153.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	618661	176.808	ug/l	98
3) Chloromethane	2.06	50	676393	154.035	ug/l	100
4) Vinyl Chloride	2.19	62	691004	142.272	ug/l	97
5) Bromomethane	2.55	94	481421	122.869	ug/l	95
6) Chloroethane	2.70	64	422269	134.095	ug/l	98
7) Trichlorofluoromethane	3.02	101	835674	152.554	ug/l	100
8) Diethyl Ether	3.41	74	314570	154.318	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	499326	159.916	ug/l	98
10) Methyl Iodide	3.96	142	699335	156.136	ug/l	99
11) Tert butyl alcohol	4.78	59	177606	819.986	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	484270	163.080	ug/l	98
13) Acrolein	3.61	56	196391	845.333	ug/l	95
14) Allyl chloride	4.33	41	895936	147.928	ug/l	95
15) Acrylonitrile	4.99	53	1007453	779.970	ug/l	100
16) Acetone	3.81	43	717268	673.839	ug/l	100
17) Carbon Disulfide	4.06	76	1573390	162.780	ug/l	98
18) Methyl Acetate	4.32	43	445989	134.857	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1549929	156.090	ug/l	98
20) Methylene Chloride	4.55	84	591009	161.421	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	556398	165.121	ug/l	99
22) Diisopropyl ether	5.95	45	1916703	141.785	ug/l	97
23) Vinyl Acetate	5.90	43	7084651	792.313	ug/l	97
24) 1,1-Dichloroethane	5.85	63	1092890	146.828	ug/l	99
25) 2-Butanone	6.83	43	1161002	772.358	ug/l	99
26) 2,2-Dichloropropane	6.83	77	908444	149.512	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	635961	152.272	ug/l	98
28) Bromochloromethane	7.20	49	508198	124.689	ug/l	93
29) Tetrahydrofuran	7.21	42	788103	734.848	ug/l	98
30) Chloroform	7.37	83	1113053	146.517	ug/l	98
31) Cyclohexane	7.66	56	1011498	85.637	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	960797	166.411	ug/l	97
36) 1,1-Dichloropropene	7.79	75	848255	151.164	ug/l	98
37) Ethyl Acetate	6.93	43	540618	161.601	ug/l	99
38) Carbon Tetrachloride	7.78	117	813212	174.527	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1028439	153.550	ug/l	98
40) Benzene	8.04	78	2458988	154.935	ug/l	99
41) Methacrylonitrile	7.17	41	292683	227.953	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	841965	133.644	ug/l	99
43) Isopropyl Acetate	8.17	43	1033414	159.570	ug/l #	88
44) Trichloroethene	8.84	130	586600	167.881	ug/l	96
45) 1,2-Dichloropropane	9.12	63	659348	137.281	ug/l	99
46) Dibromomethane	9.21	93	410524	167.504	ug/l	97
47) Bromodichloromethane	9.40	83	867736	169.596	ug/l	96
48) Methyl methacrylate	9.20	41	504197	154.030	ug/l	99
49) 1,4-Dioxane	9.20	88	91537	5633.264	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	2731072	777.903	ug/l	100
52) Toluene	10.16	92	1528413	160.385	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	942075	171.965	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1035577	174.348	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	549293	161.121	ug/l	97
56) Ethyl methacrylate	10.43	69	798520	160.085	ug/l	97
57) 1,3-Dichloropropane	10.71	76	970274	154.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2051755	802.892	ug/l	98
59) 2-Hexanone	10.75	43	1877597	744.659	ug/l	98
60) Dibromochloromethane	10.90	129	604965	186.642	ug/l	98
61) 1,2-Dibromoethane	11.01	107	569217	168.222	ug/l	99
64) Tetrachloroethene	10.63	164	482293	155.825	ug/l	97
65) Chlorobenzene	11.43	112	1664997	150.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	556682	165.280	ug/l	100
67) Ethyl Benzene	11.51	91	2990626	154.623	ug/l	100
68) m/p-Xylenes	11.62	106	2222098	331.014	ug/l	98
69) o-Xylene	11.95	106	1083039	165.394	ug/l	99
70) Styrene	11.96	104	1796492	166.393	ug/l	100
71) Bromoform	12.13	173	355651	198.399	ug/l #	99
73) Isopropylbenzene	12.25	105	2937446	163.853	ug/l	100
74) N-amyl acetate	12.07	43	982523	144.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	660633	146.197	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	683293m	177.371	ug/l	
77) Bromobenzene	12.53	156	615900	158.464	ug/l	95
78) n-propylbenzene	12.59	91	3499749	155.315	ug/l	99
79) 2-Chlorotoluene	12.67	91	2023325	159.895	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2380052	159.764	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	221183	187.355	ug/l	94
82) 4-Chlorotoluene	12.77	91	2132711	166.556	ug/l	100
83) tert-Butylbenzene	12.99	119	1992672	157.186	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2399764	164.777	ug/l	100
85) sec-Butylbenzene	13.17	105	2873648	160.252	ug/l	99
86) p-Isopropyltoluene	13.29	119	2400669	165.058	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1114015	156.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1125725	155.673	ug/l	99
89) n-Butylbenzene	13.61	91	2271988	161.683	ug/l	98
90) Hexachloroethane	13.87	117	441261	174.041	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1050555	161.311	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	103220	249.845	ug/l	98

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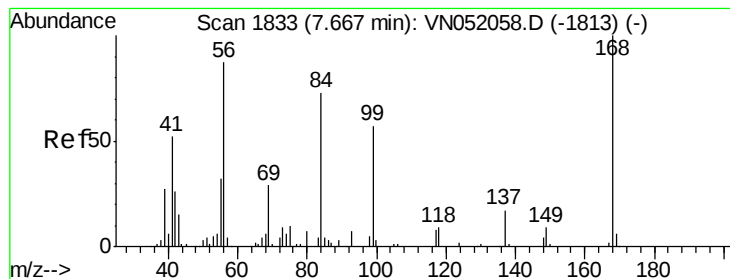
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	451345	191.957	ug/l	97
94) Hexachlorobutadiene	15.01	225	208838	151.654	ug/l	97
95) Naphthalene	15.13	128	1134223	181.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	380134	178.039	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 303328

Ion Ratio Lower Upper

168 100

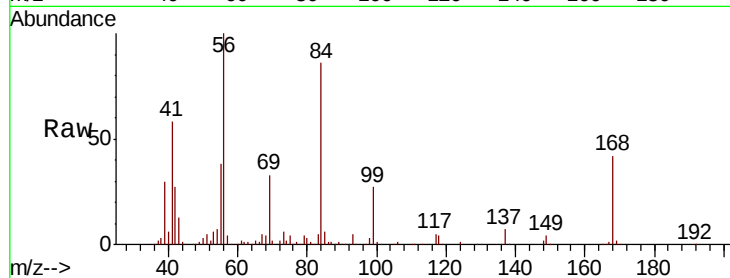
99 64.8 56.6 85.0

Manual Integrations

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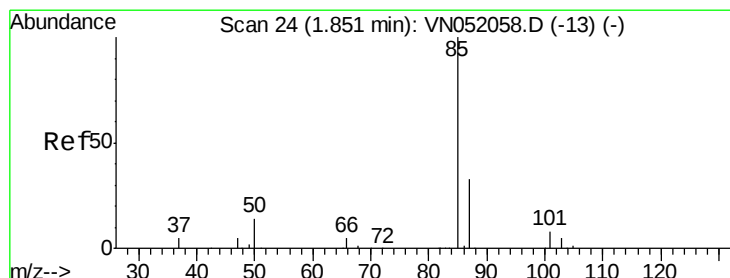
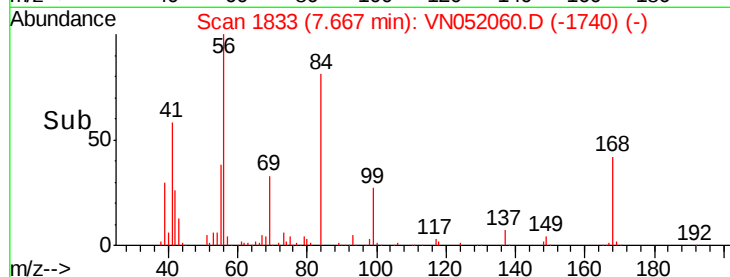
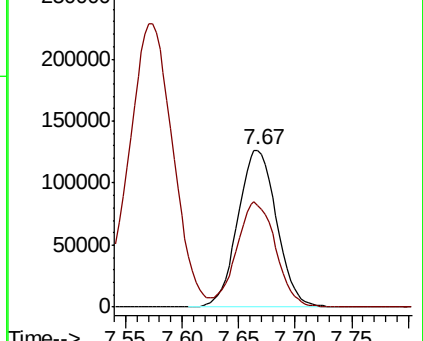
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 176.808 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052060.D

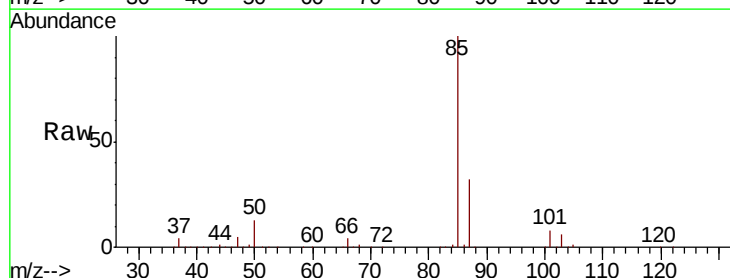
Acq: 30 Oct 2018 11:38

Tgt Ion: 85 Resp: 618661

Ion Ratio Lower Upper

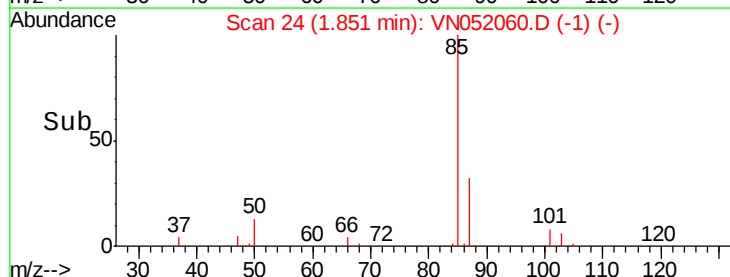
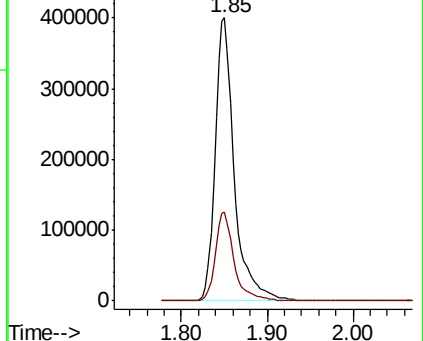
85 100

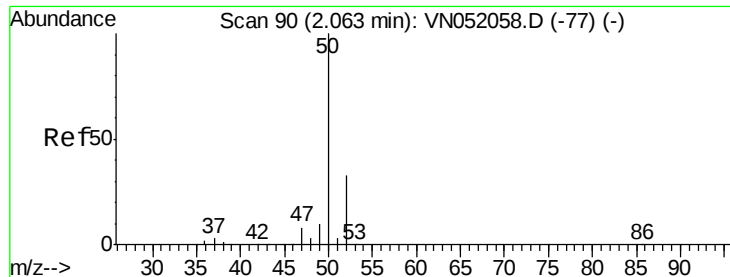
87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 154.035 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 676393

Ion Ratio Lower Upper

50 100

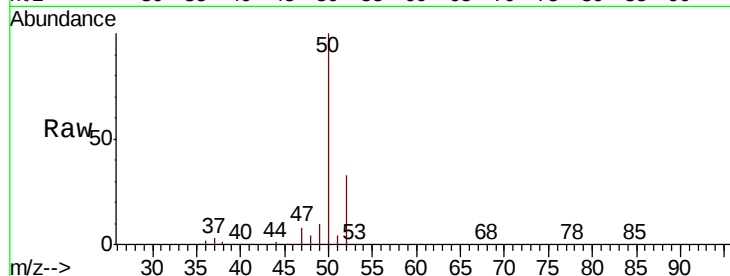
52 33.1 26.6 39.8

Manual Integrations

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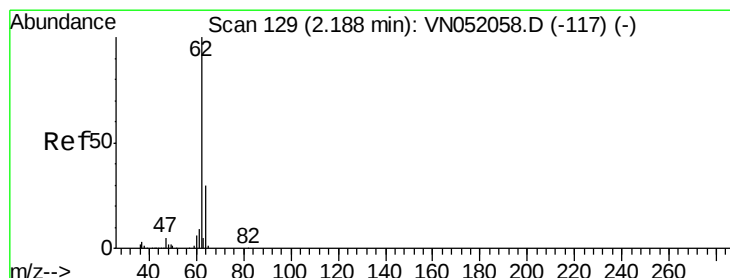
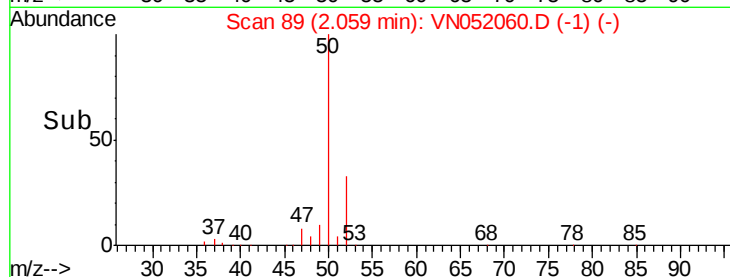
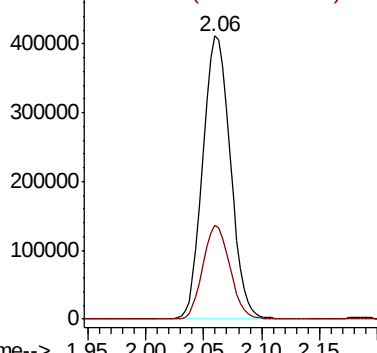
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 142.272 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052060.D

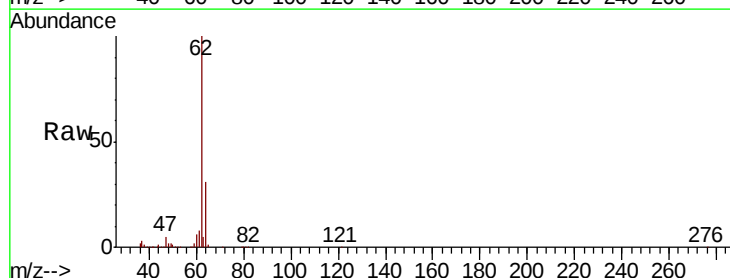
Acq: 30 Oct 2018 11:38

Tgt Ion: 62 Resp: 691004

Ion Ratio Lower Upper

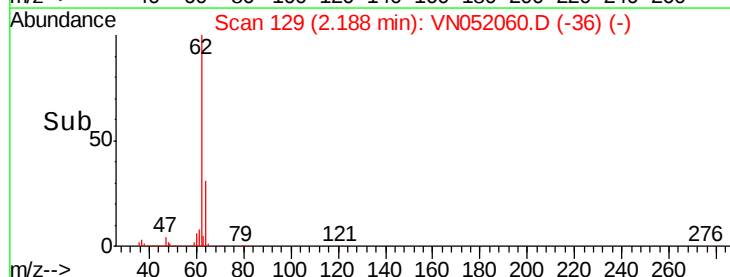
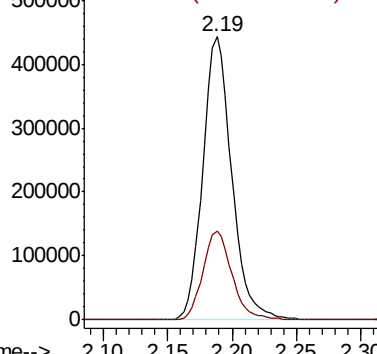
62 100

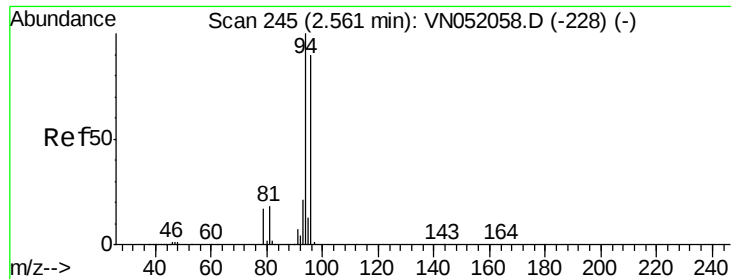
64 31.5 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 122.869 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 481421

Ion Ratio Lower Upper

94 100

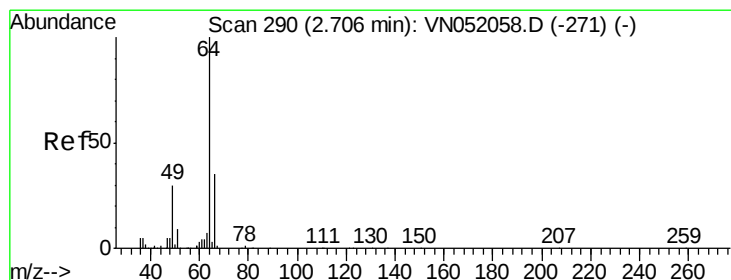
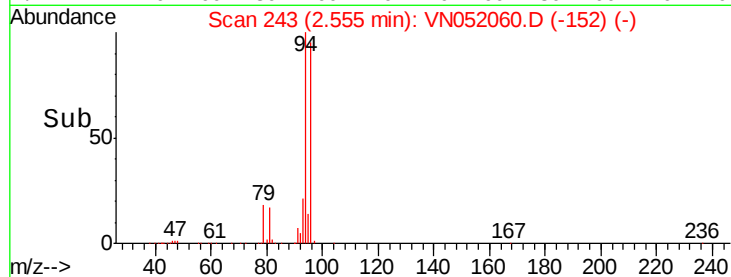
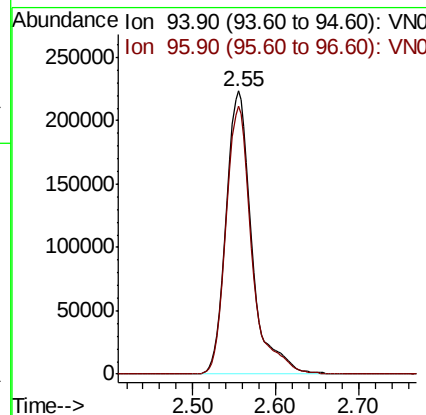
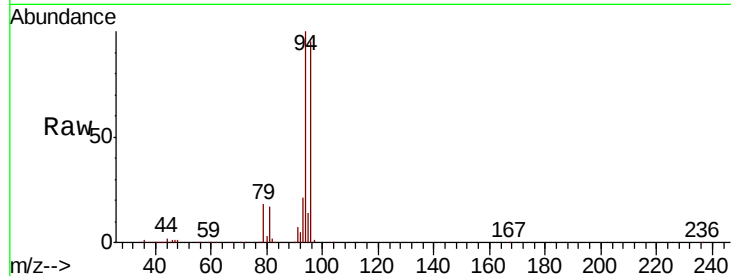
96 94.8 71.8 107.6

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#6

Chloroethane

Concen: 134.095 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN052060.D

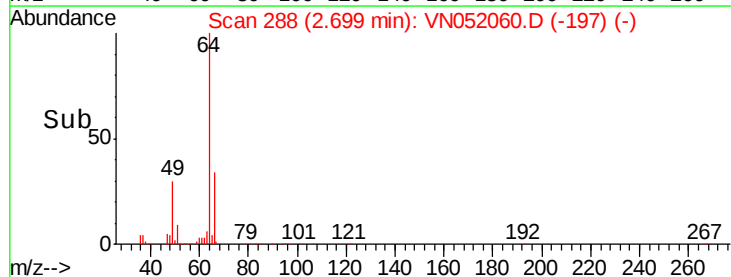
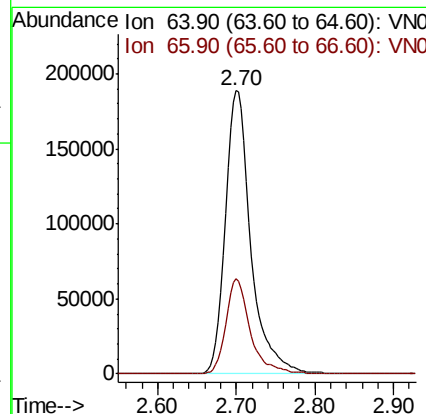
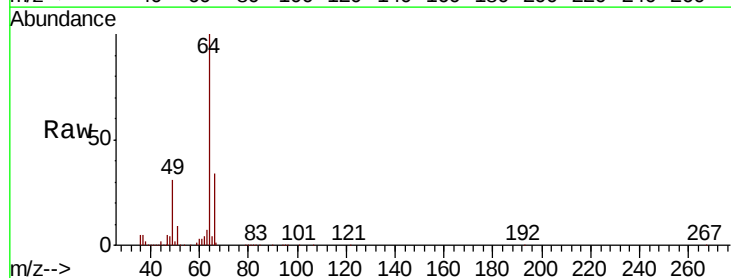
Acq: 30 Oct 2018 11:38

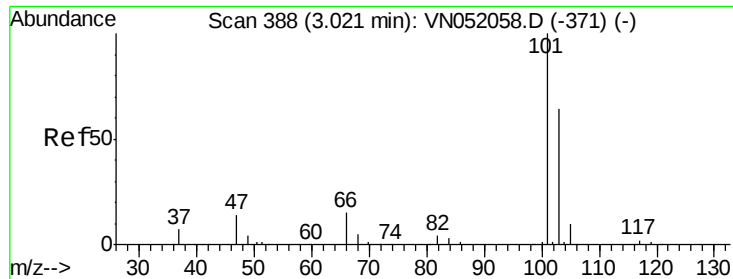
Tgt Ion: 64 Resp: 422269

Ion Ratio Lower Upper

64 100

66 33.6 27.9 41.9





#7

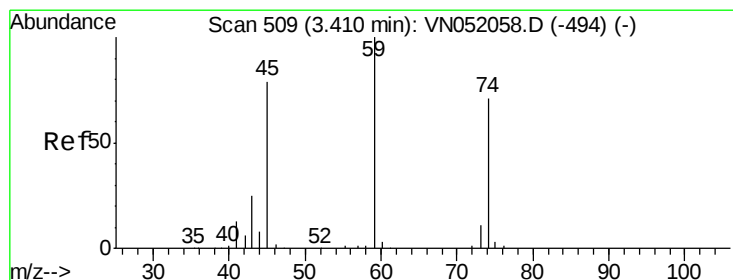
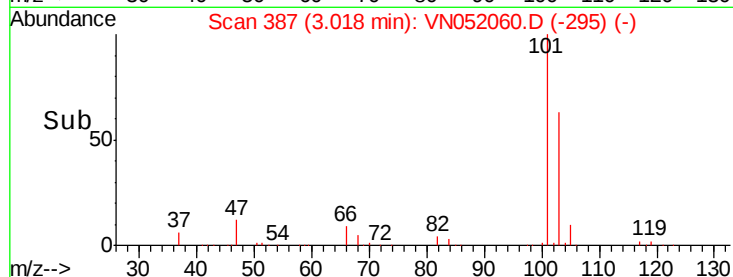
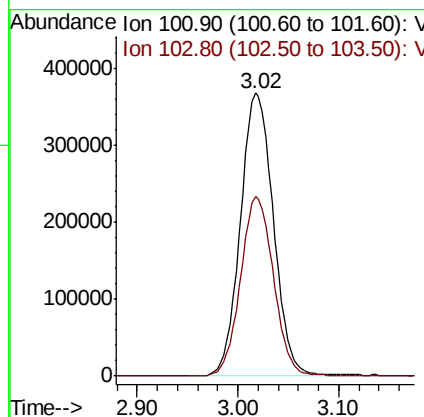
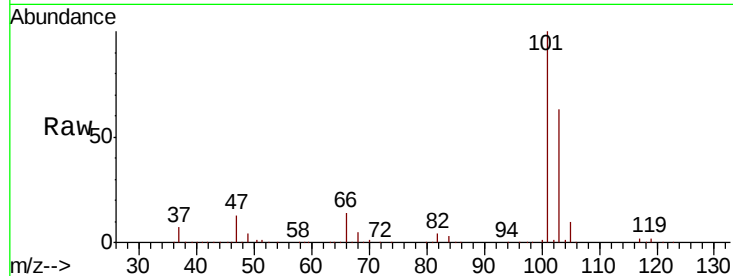
Trichlorofluoromethane
Concen: 152.554 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.0	76.4

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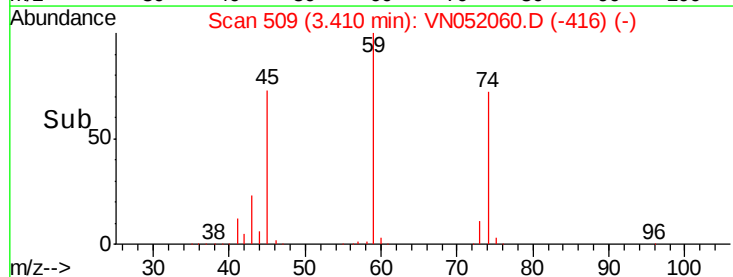
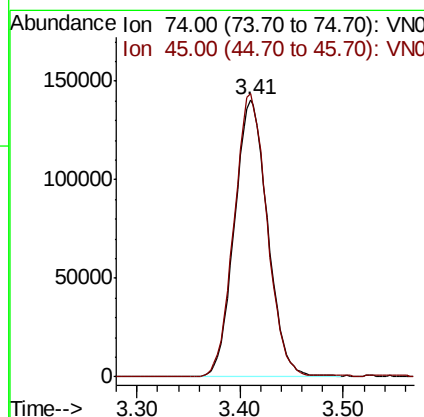
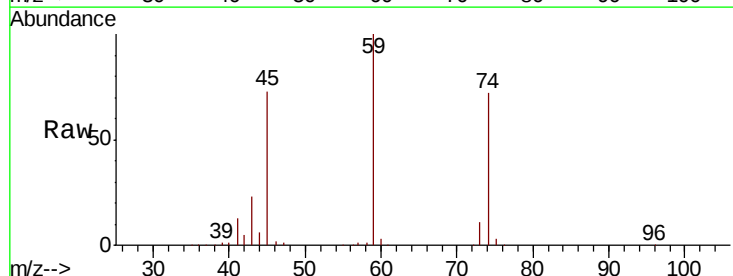
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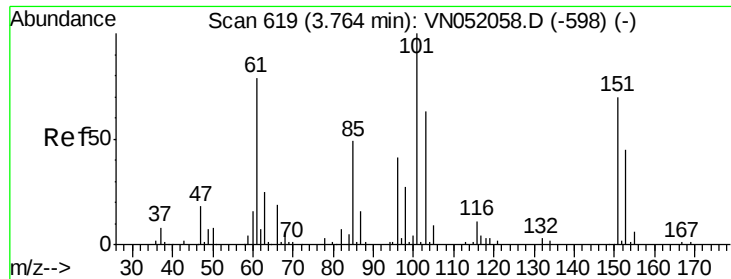


#8

Diethyl Ether
Concen: 154.318 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	55.6	166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 159.916 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 499326

Ion Ratio Lower Upper

101 100

85 47.3 38.6 58.0

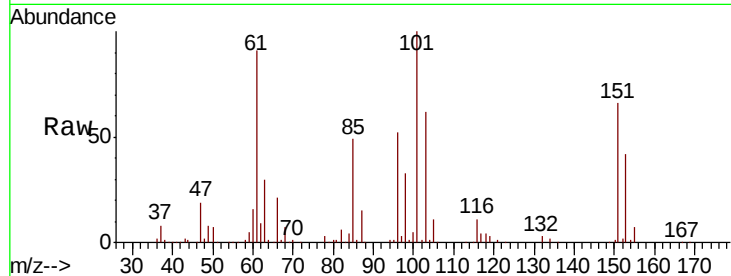
151 67.0 52.6 78.8

Manual Integrations

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11/1/2018 11:48:07 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

3.76

200000

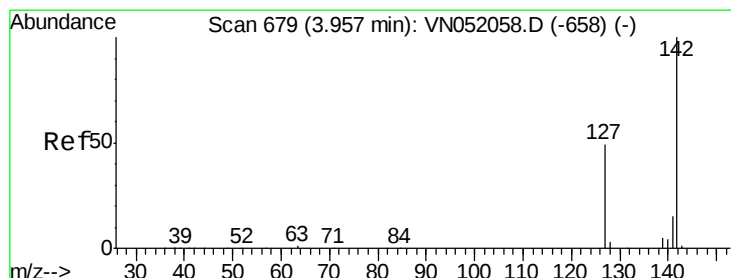
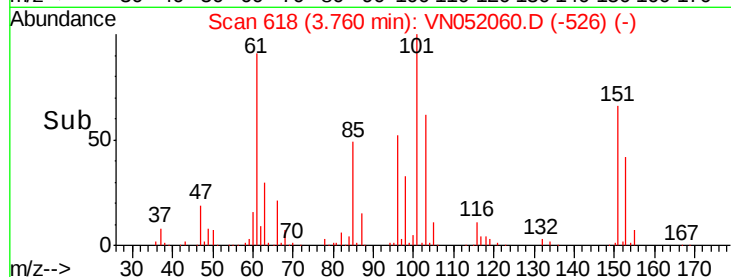
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 156.136 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

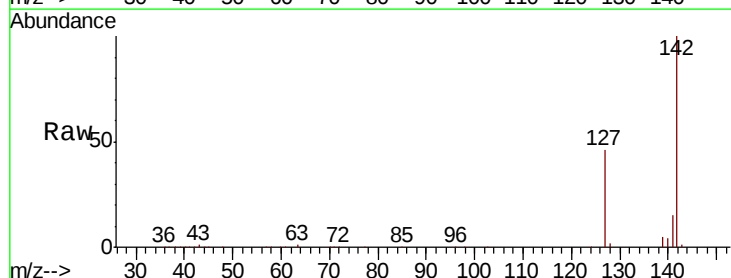
Tgt Ion:142 Resp: 699335

Ion Ratio Lower Upper

142 100

127 46.1 37.3 55.9

141 14.3 11.4 17.2



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

3.96

300000

250000

200000

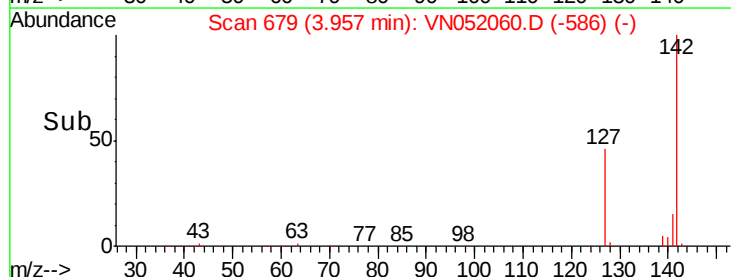
150000

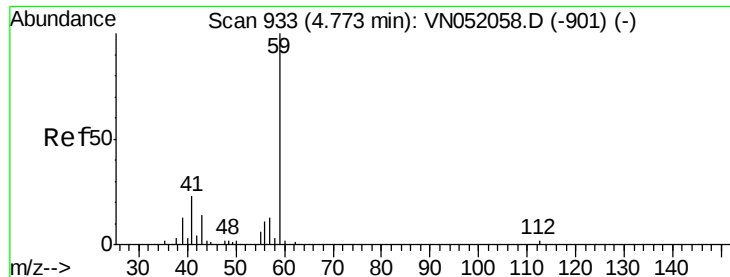
100000

50000

0

Time-->





#11

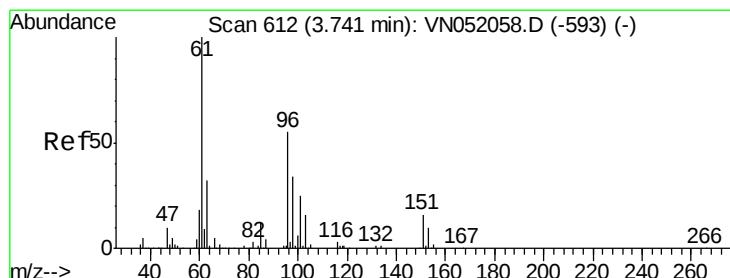
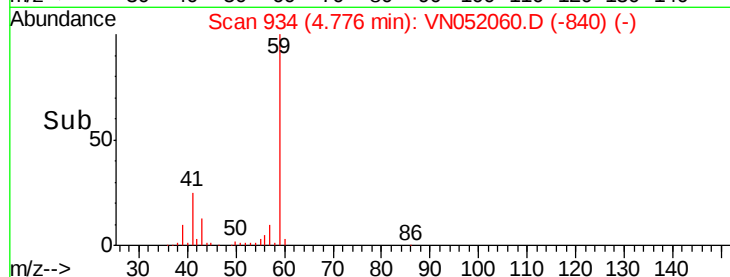
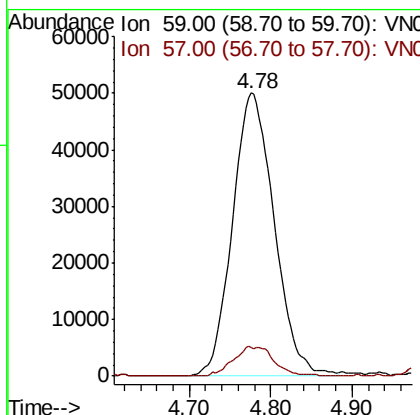
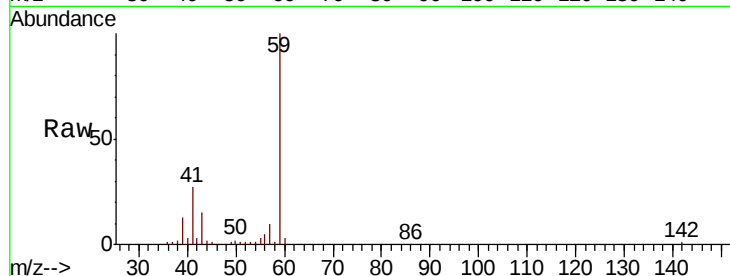
Tert butyl alcohol
 Concen: 819.986 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	59	Resp	177606
Ion Ratio	100	Lower	Upper
57	5.4	7.0	10.6#

Manual Integrations
 APPROVED

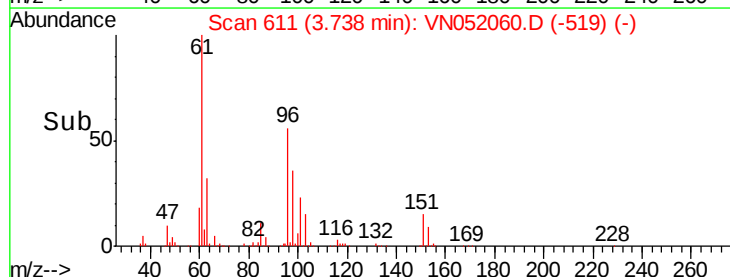
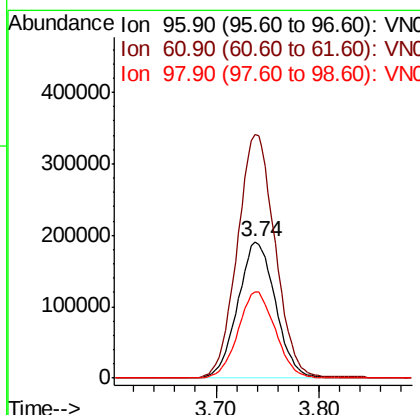
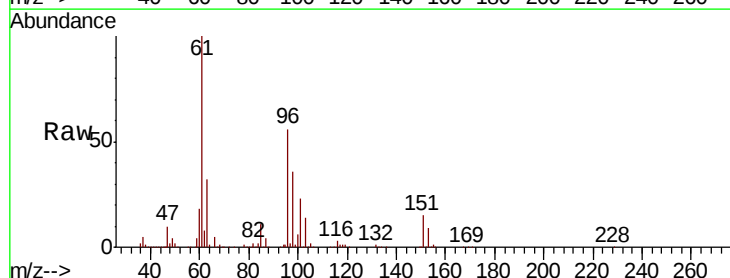
MMDadoda
 11/1/2018 11:48:07 AM

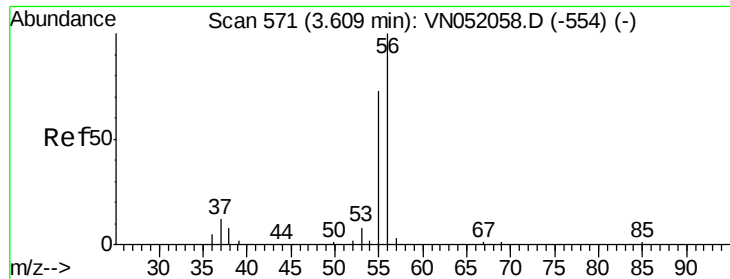


#12

1,1-Dichloroethene
 Concen: 163.080 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Tgt Ion	96	Resp	484270
Ion Ratio	100	Lower	Upper
61	178.5	145.7	218.5
98	63.7	49.8	74.8





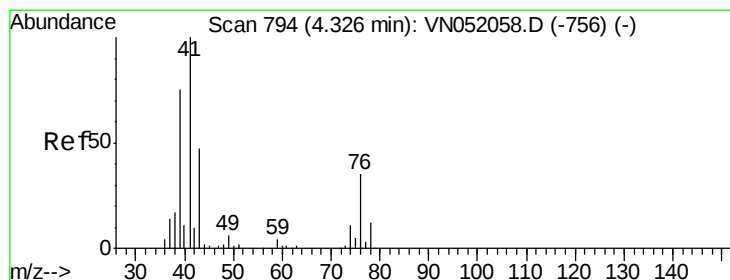
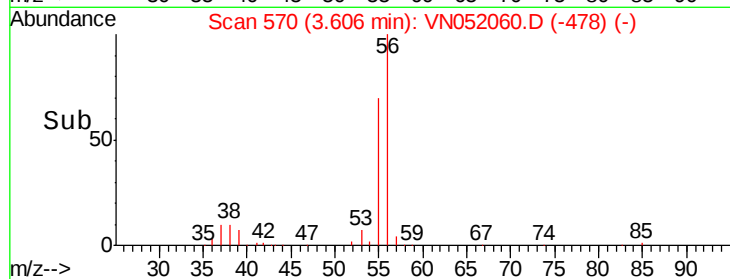
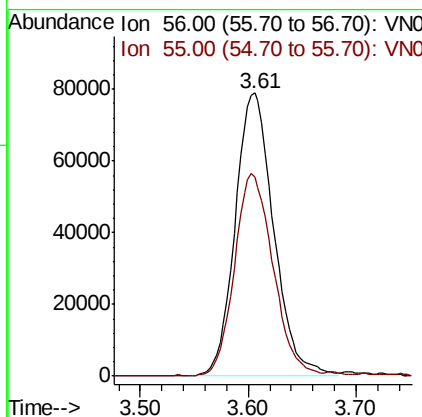
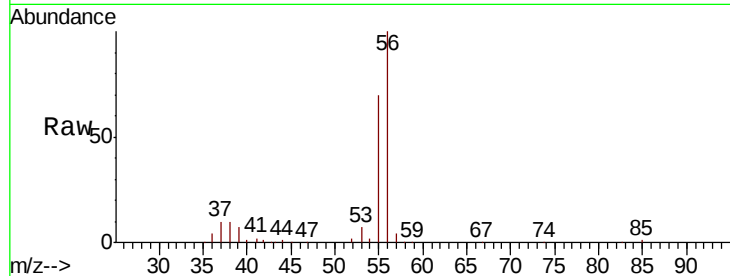
#13
Acrolein
Concen: 845.333 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.8	59.9	89.9	

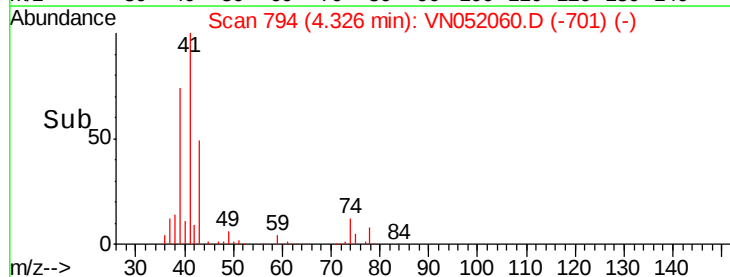
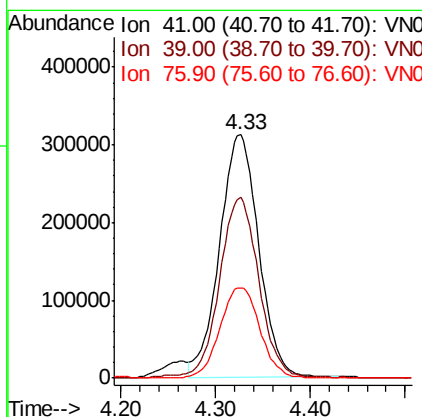
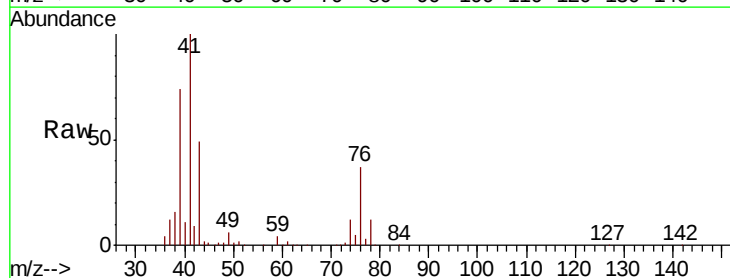
Manual Integrations
APPROVED

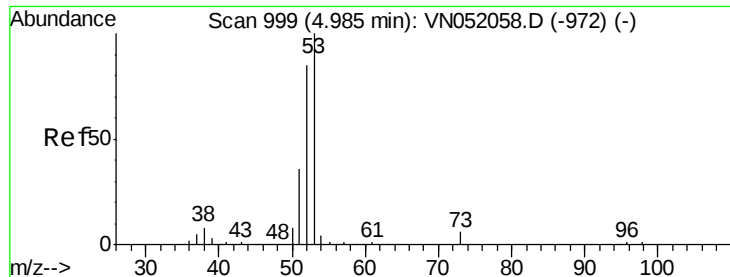
MMDadoda
11/1/2018 11:48:07 AM



#14
Allyl chloride
Concen: 147.928 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	75.1	58.1	87.1	
76	37.7	26.0	39.0	





#15

Acrylonitrile

Concen: 779.970 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1007453

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

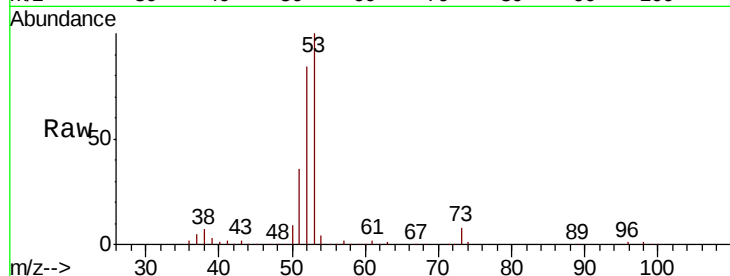
51 36.6 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

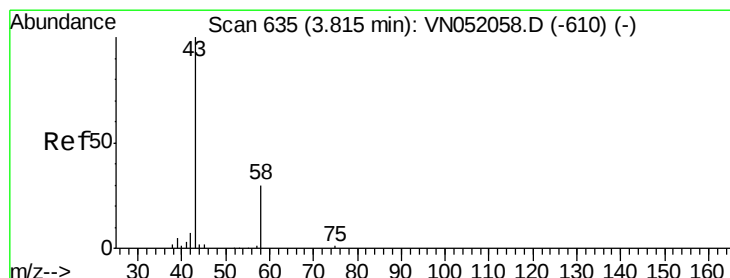
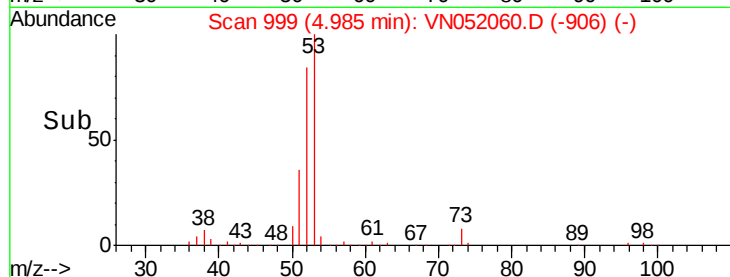
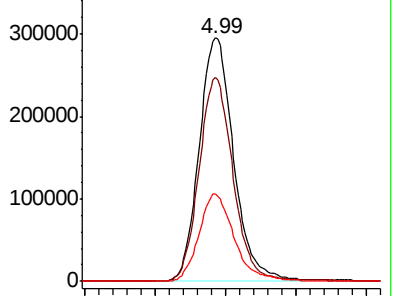
11/1/2018 11:48:07 AM



Abundance Ion 53.00 (52.70 to 53.70): VN052058.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN052058.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN052058.D (-972) (-)



#16

Acetone

Concen: 673.839 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052060.D

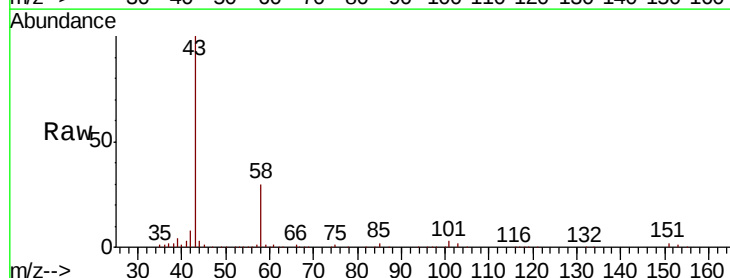
Acq: 30 Oct 2018 11:38

Tgt Ion: 43 Resp: 717268

Ion Ratio Lower Upper

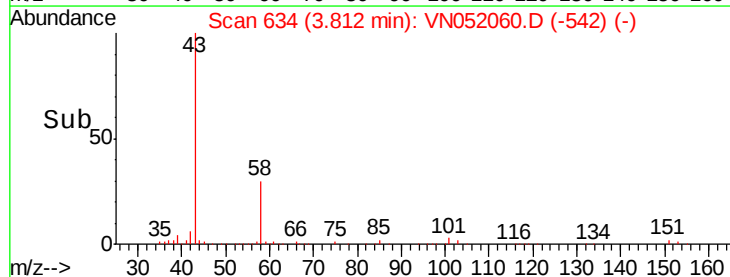
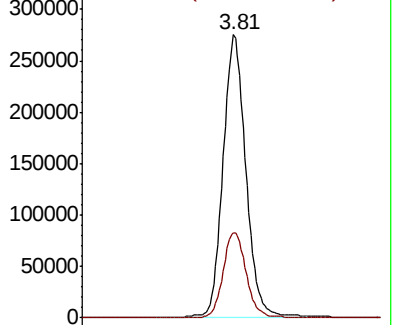
43 100

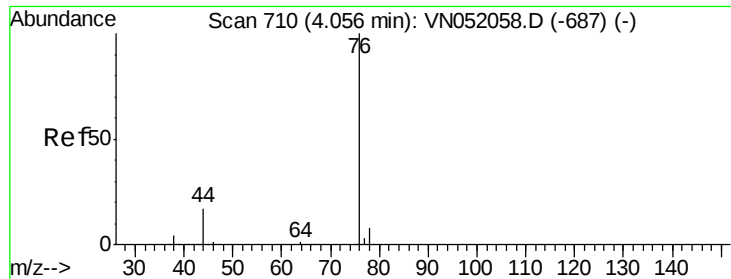
58 30.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-610) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-610) (-)





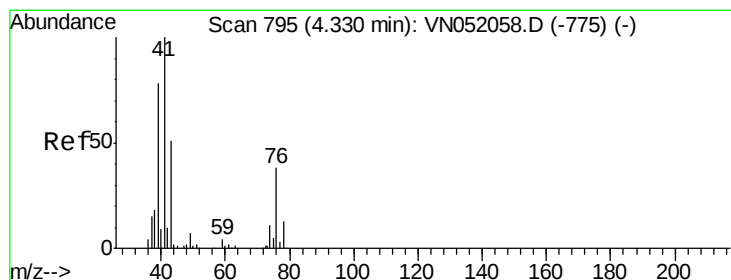
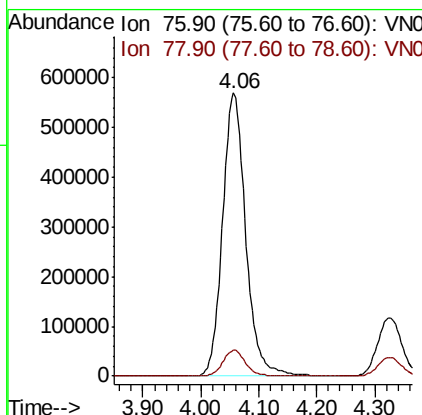
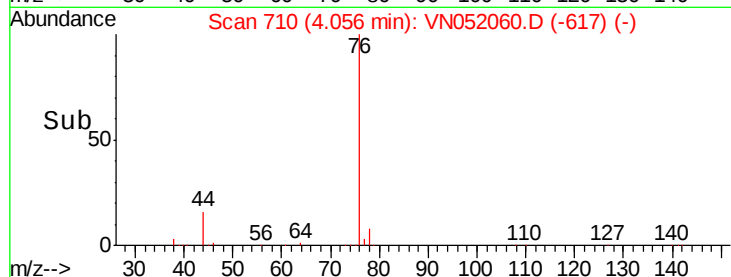
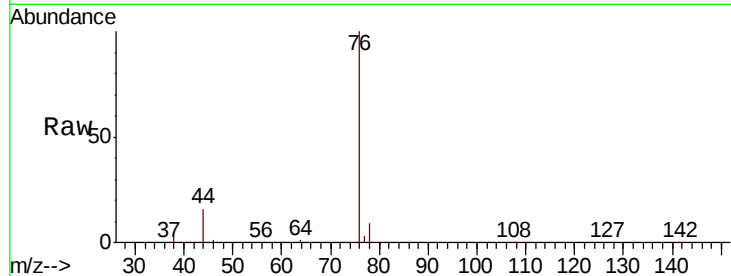
#17
Carbon Disulfide
Concen: 162.780 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1573390
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2

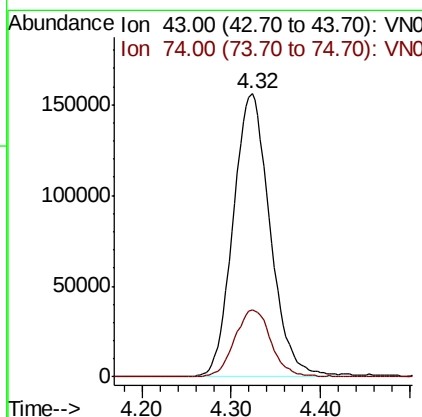
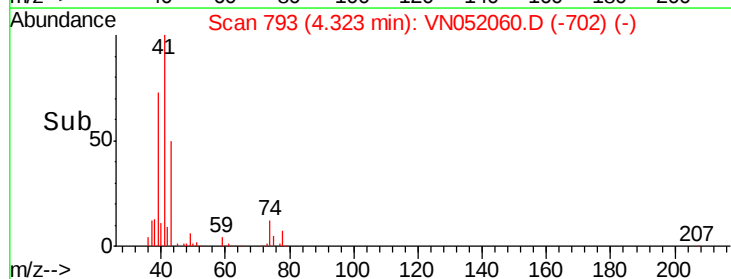
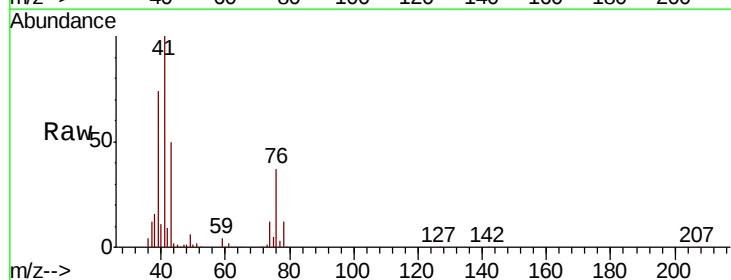
Manual Integrations
APPROVED

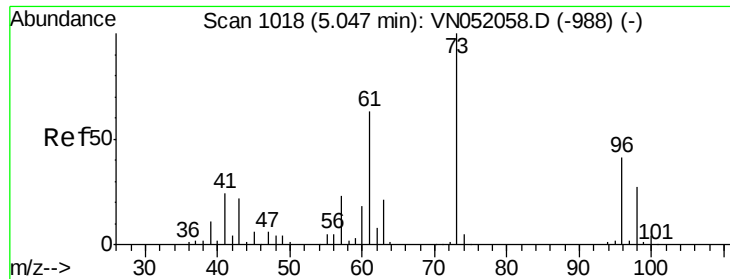
MMDadoda
11/1/2018 11:48:07 AM



#18
Methyl Acetate
Concen: 134.857 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 43 Resp: 445989
Ion Ratio Lower Upper
43 100
74 23.5 17.9 26.9





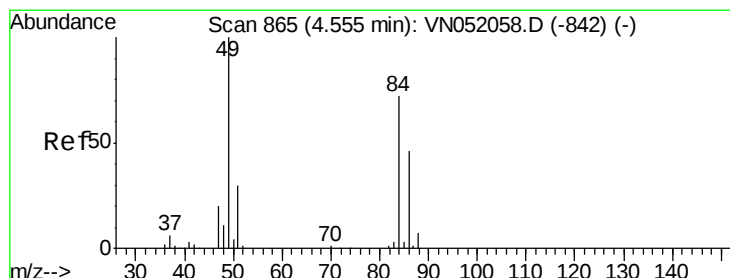
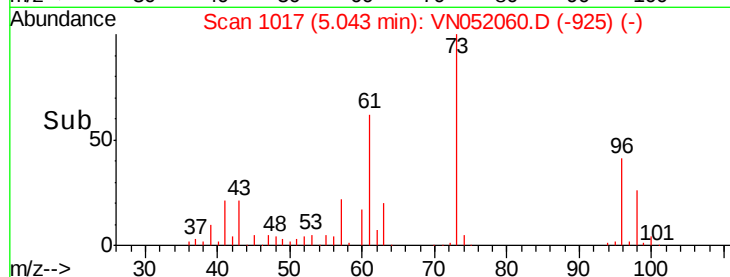
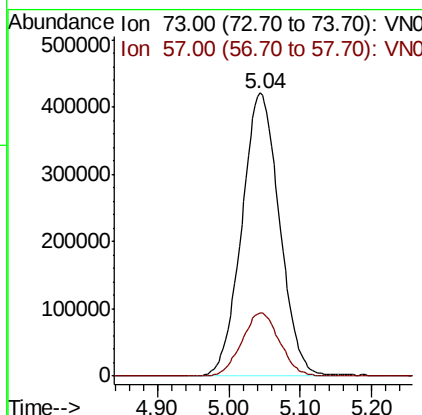
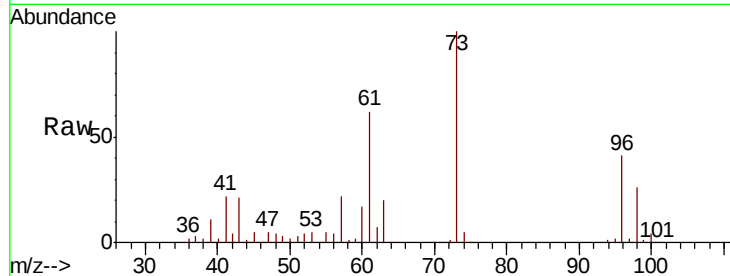
#19
Methvl tert-butvl Ether
Concen: 156.090 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1549929
Ion Ratio Lower Upper
73 100
57 22.2 18.7 28.1

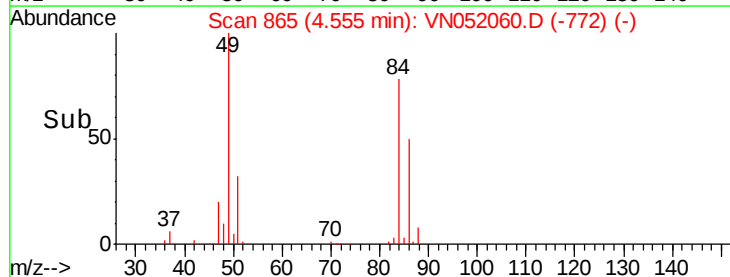
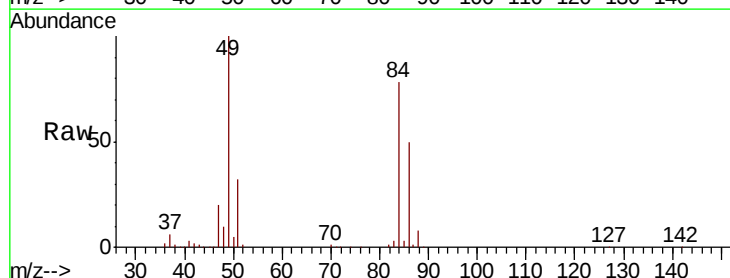
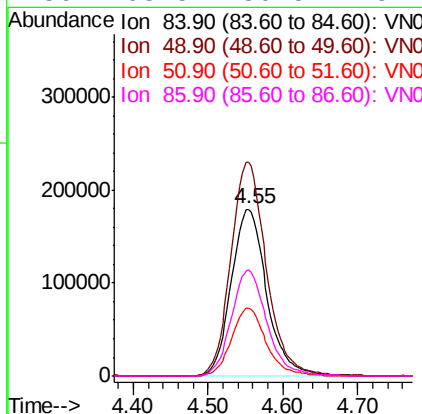
Manual Integrations
APPROVED

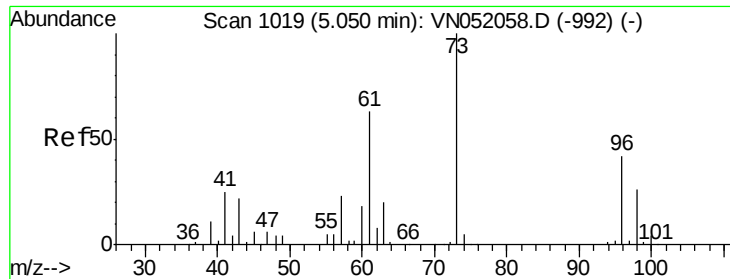
MMDadoda
11/1/2018 11:48:07 AM



#20
Methylene Chloride
Concen: 161.421 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 84 Resp: 591009
Ion Ratio Lower Upper
84 100
49 127.9 110.6 165.8
51 40.7 33.7 50.5
86 63.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 165.121 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 556398

Ion Ratio Lower Upper

96 100

61 149.7 118.6 178.0

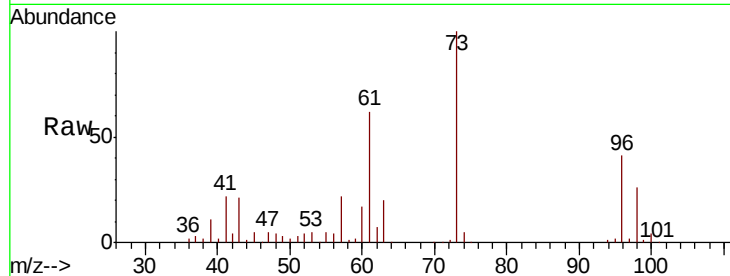
98 63.7 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

11/1/2018 11:48:07 AM

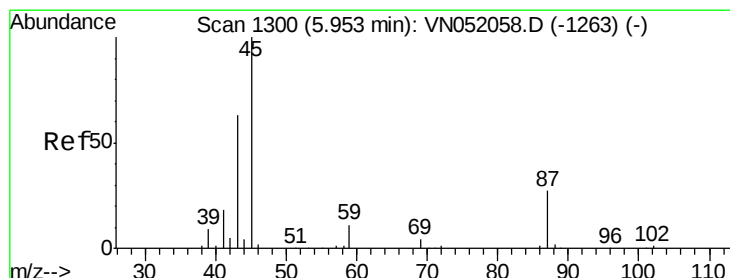
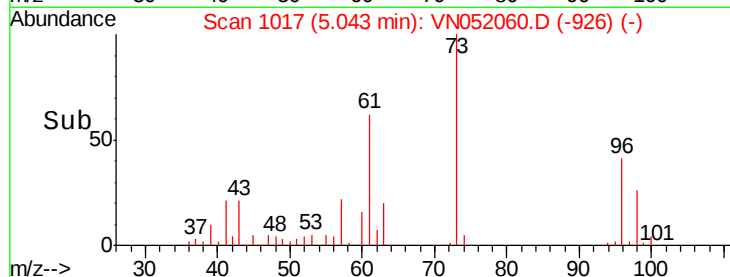
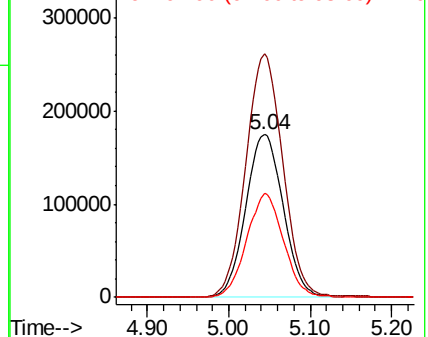


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 141.785 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Tgt Ion: 45 Resp: 1916703

Ion Ratio Lower Upper

45 100

43 59.8 50.5 75.7

87 27.5 21.5 32.3

59 11.4 8.6 13.0

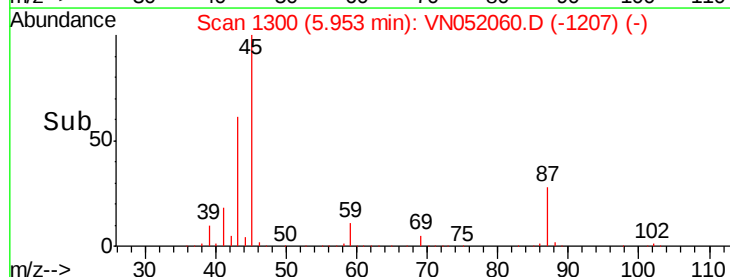
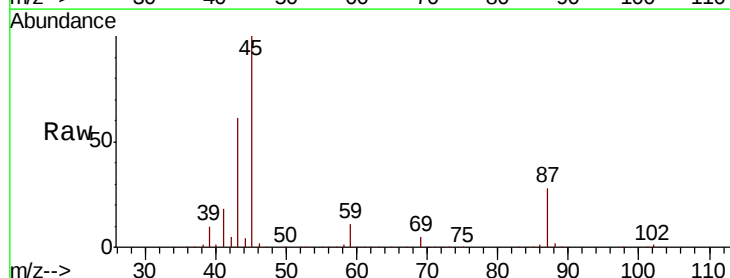
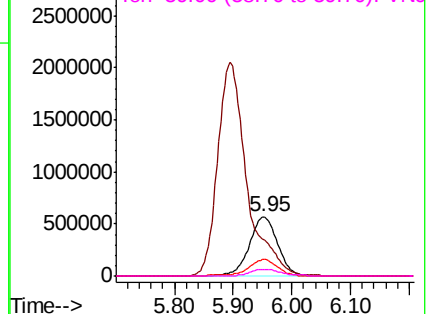
Abundance

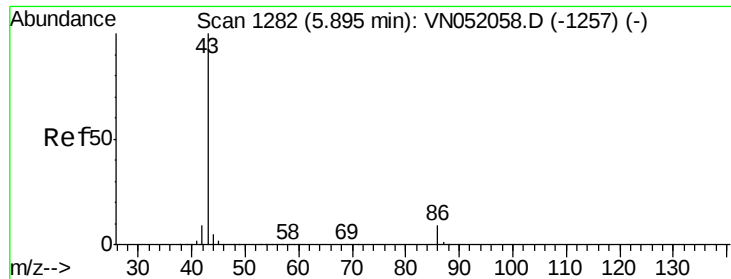
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 792.313 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7084651

Ion Ratio Lower Upper

43 100

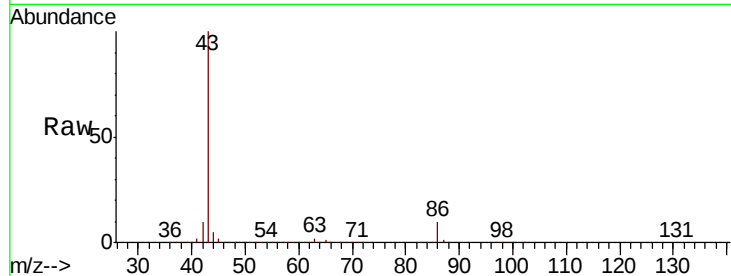
86 10.1 7.3 10.9

Manual Integrations

APPROVED

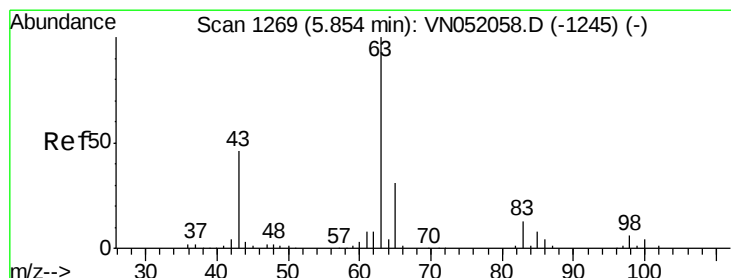
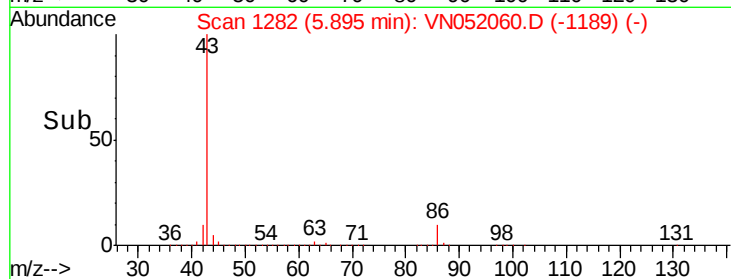
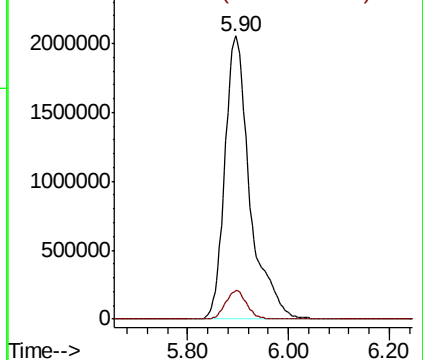
MMDadoda

11/1/2018 11:48:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 146.828 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

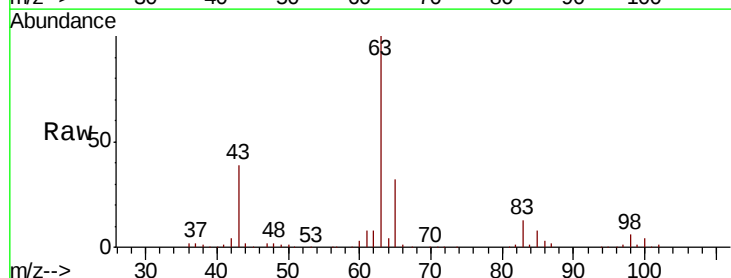
Tgt Ion: 63 Resp: 1092890

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

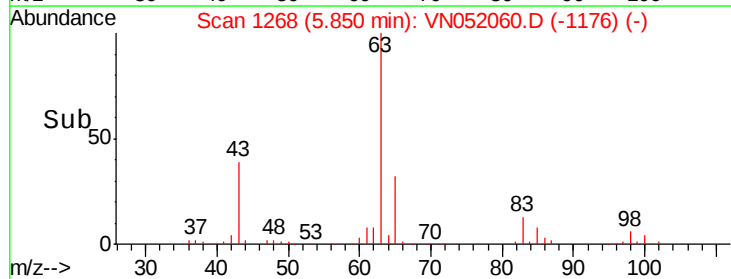
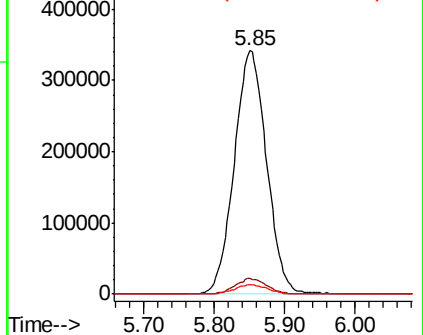
100 3.8 2.0 6.0

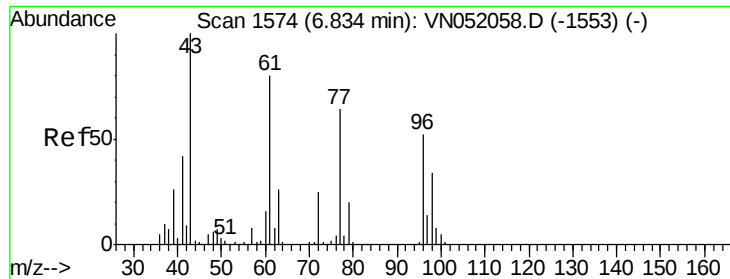


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





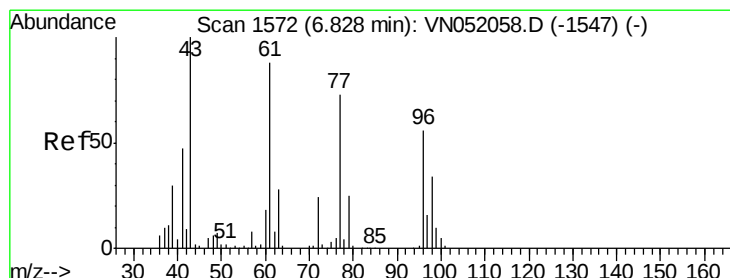
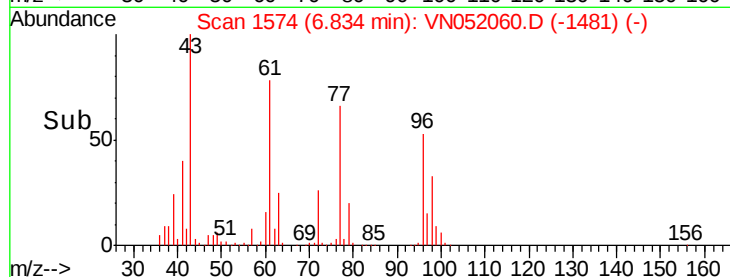
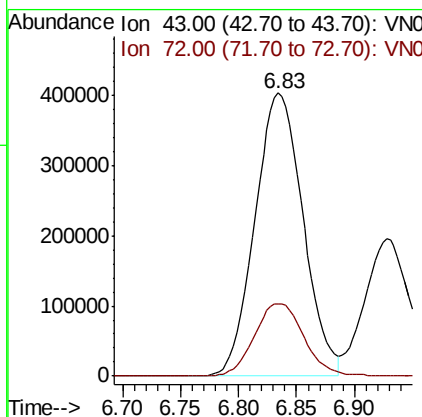
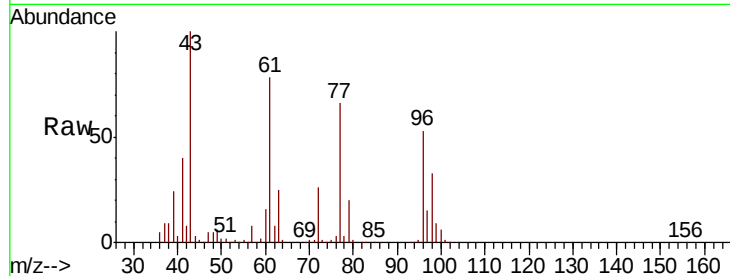
#25
2-Butanone
Concen: 772.358 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1161002
Ion Ratio Lower Upper
43 100
72 25.6 20.2 30.2

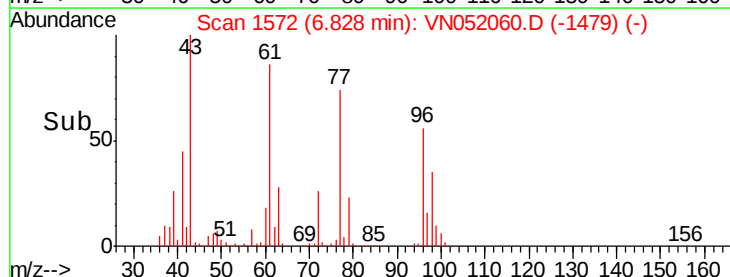
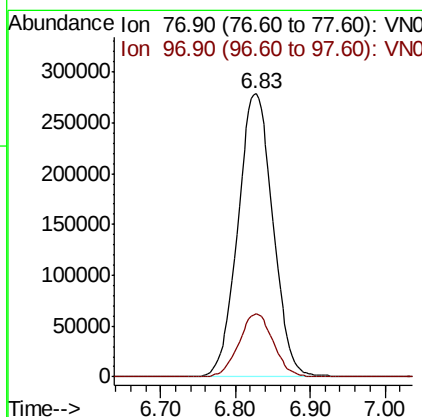
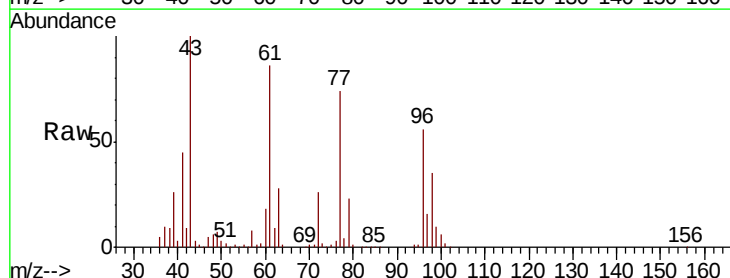
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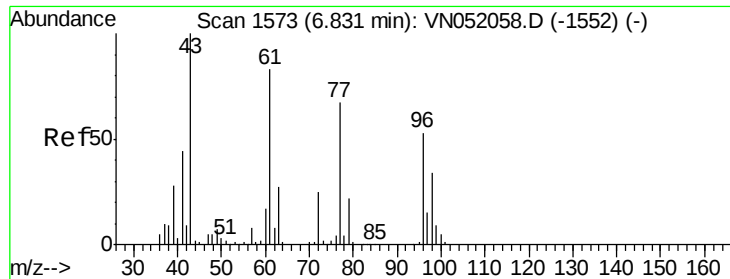
MMDadoda
11/1/2018 11:48:07 AM



#26
2,2-Dichloropropane
Concen: 149.512 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 77 Resp: 908444
Ion Ratio Lower Upper
77 100
97 21.9 10.5 31.5





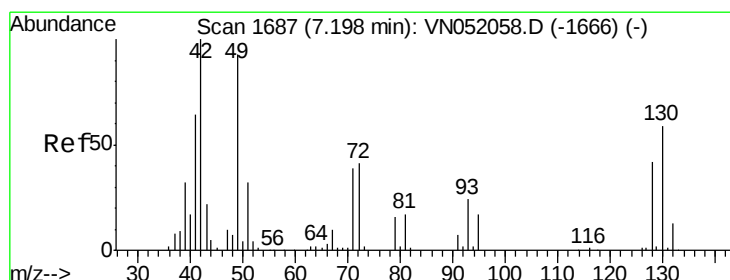
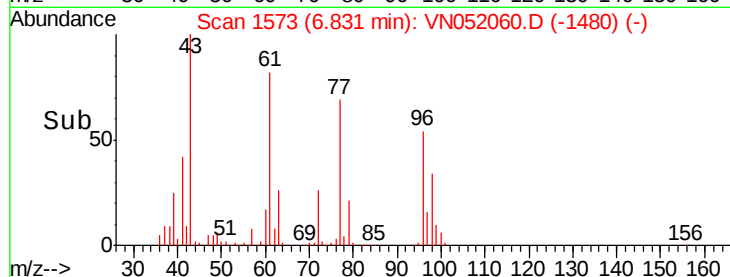
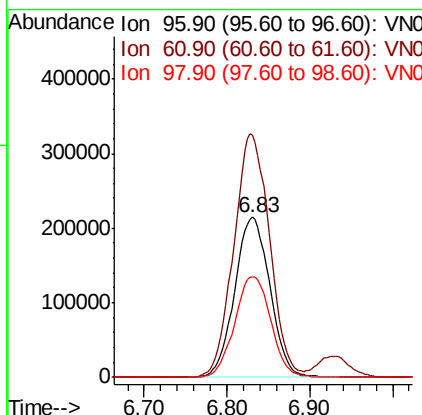
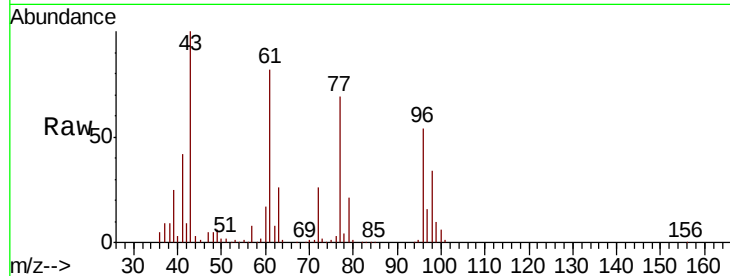
#27
 cis-1,2-Dichloroethene
 Concen: 152.272 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	312.8
98	64.1	0.0	127.0

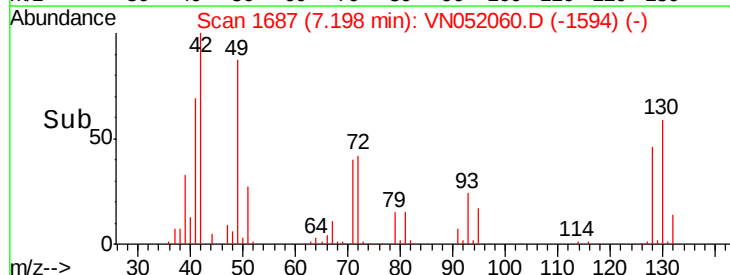
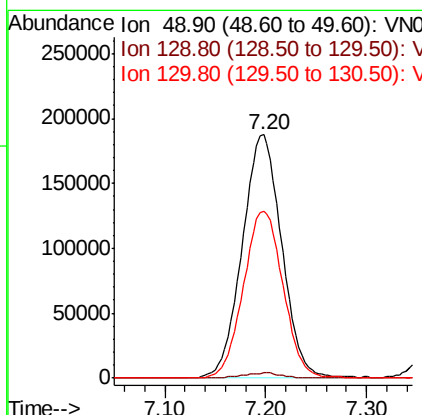
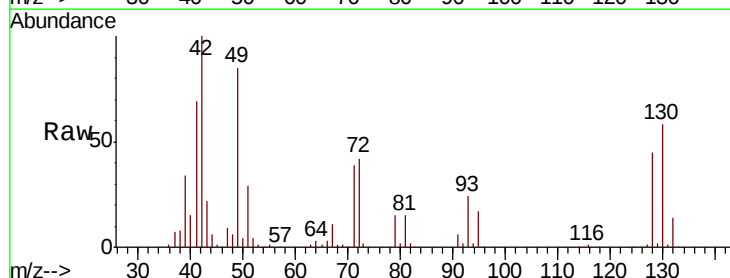
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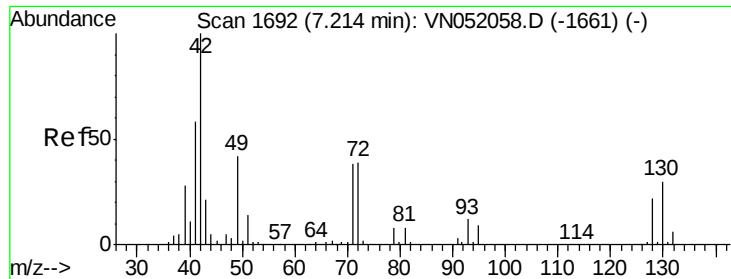
MMDadoda
 11/1/2018 11:48:07 AM



#28
 Bromochloromethane
 Concen: 124.689 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.4
130	69.0	50.8	76.2





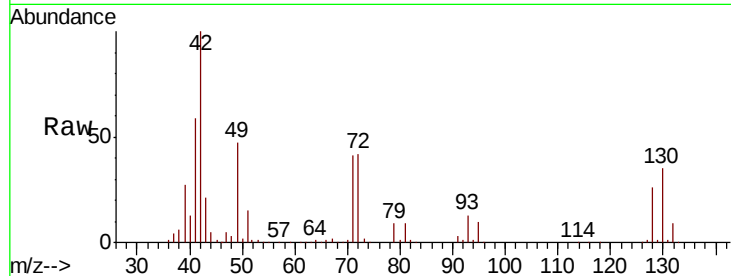
#29
Tetrahydrofuran
Concen: 734.848 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

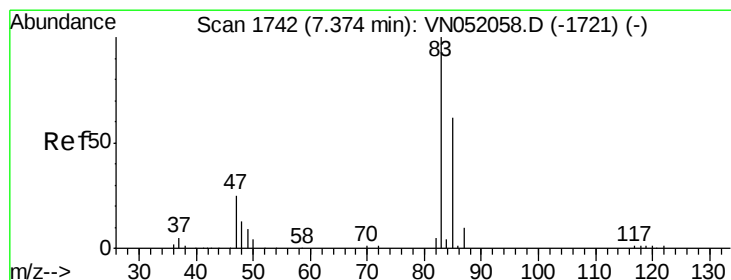
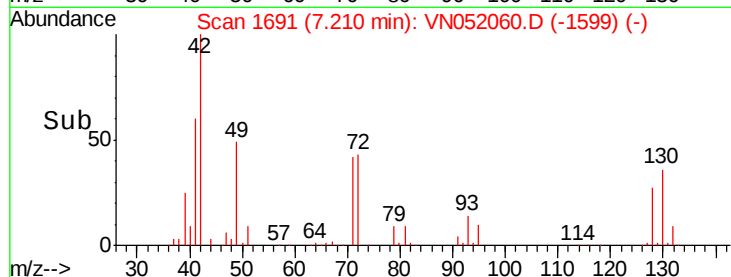
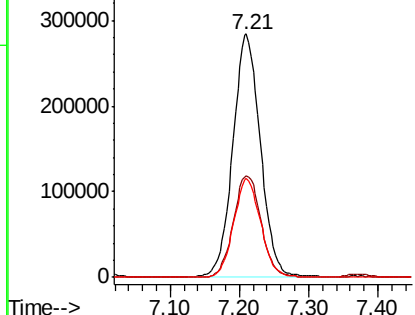
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.5	48.7
71	39.9	30.6	46.0

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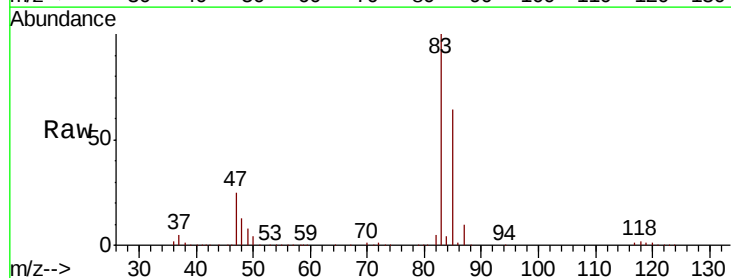


Abundance Ion 42.00 (41.70 to 42.70): VN052058.D (-1661) (-)
Ion 72.00 (71.70 to 72.70): VN052058.D (-1661) (-)
Ion 71.00 (70.70 to 71.70): VN052058.D (-1661) (-)

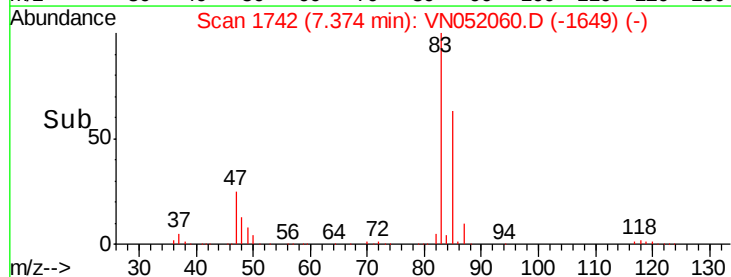
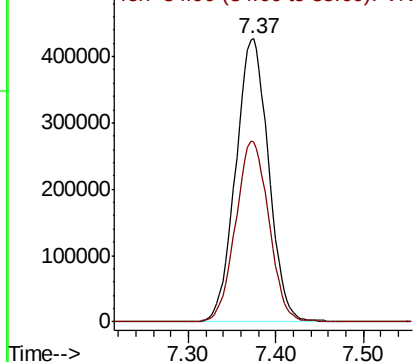


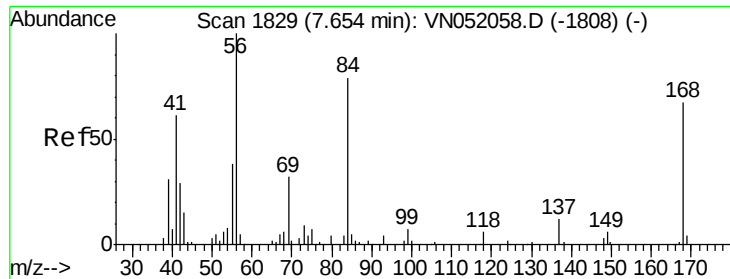
#30
Chloroform
Concen: 146.517 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.6	74.4



Abundance Ion 82.90 (82.60 to 83.60): VN052058.D (-1721) (-)
Ion 84.90 (84.60 to 85.60): VN052058.D (-1721) (-)





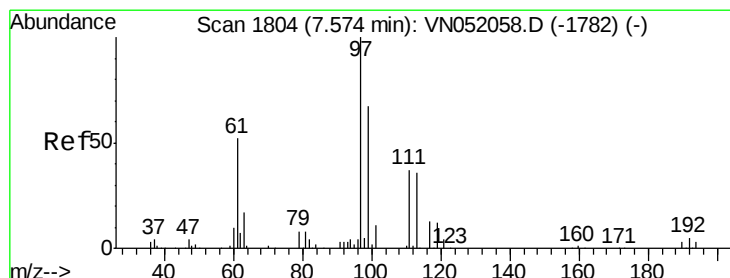
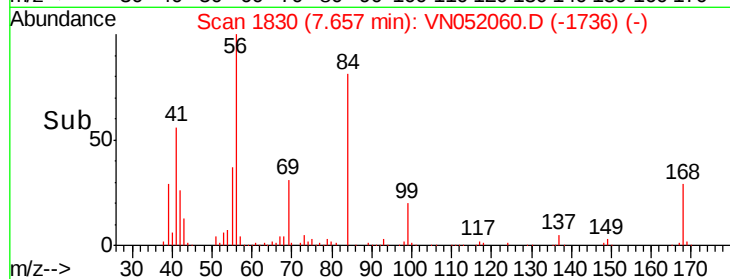
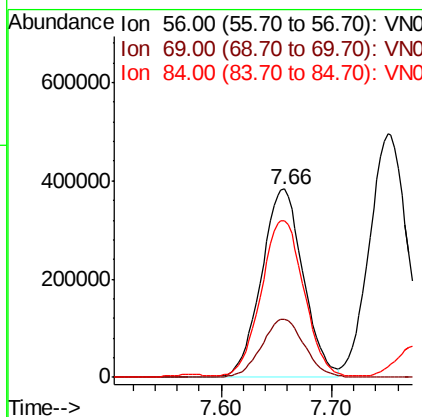
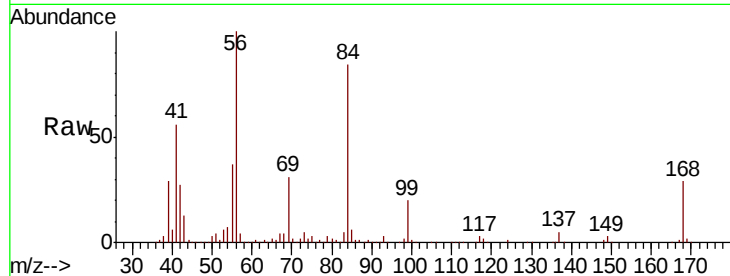
#31
Cyclohexane
Concen: 85.637 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 1011498
Ion Ratio Lower Upper
56 100
69 30.6 25.8 38.6
84 81.8 63.5 95.3

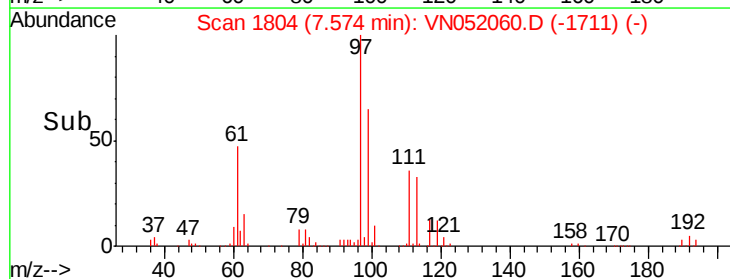
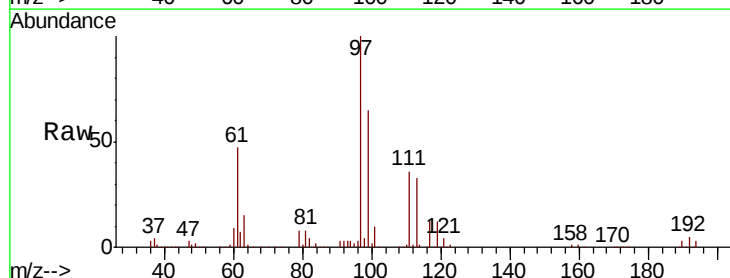
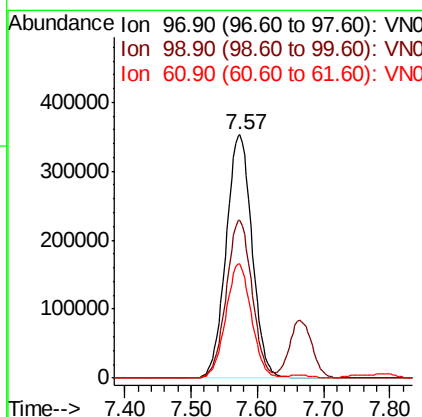
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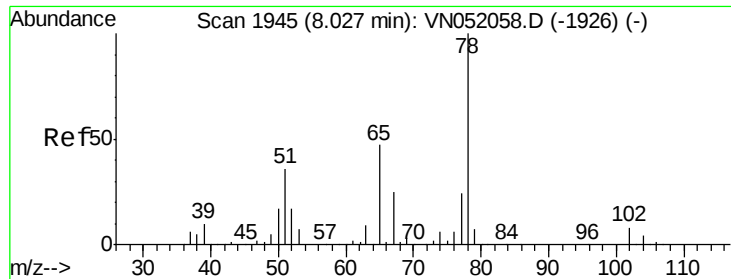
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#32
1,1,1-Trichloroethane
Concen: 166.411 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 97 Resp: 960797
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 46.1 40.3 60.5





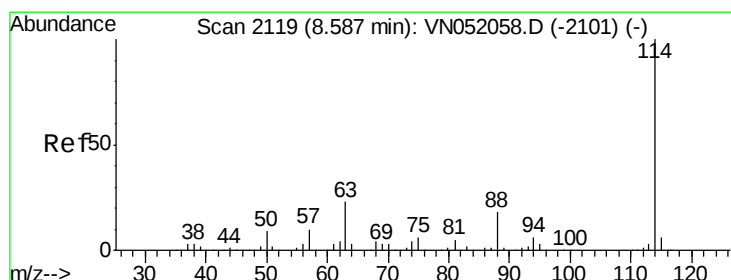
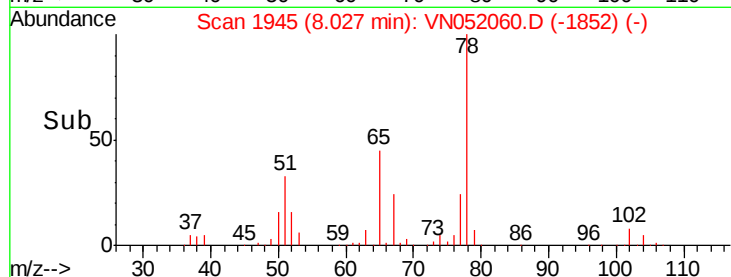
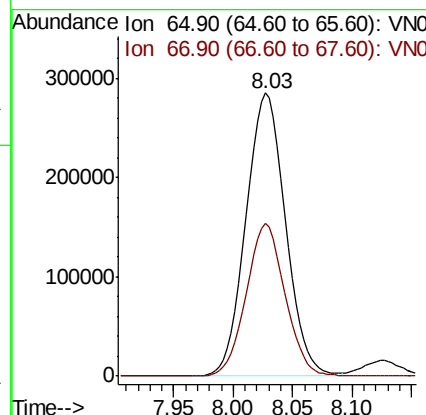
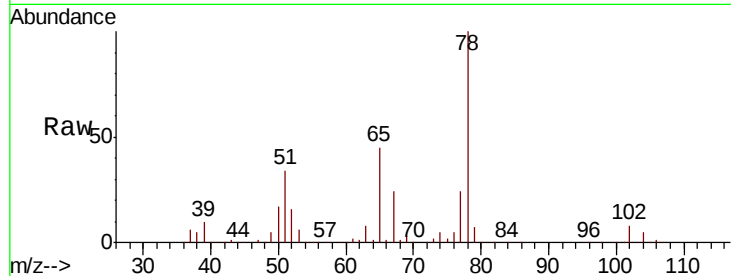
#33
 1,2-Dichloroethane-d4
 Concen: 166.411 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	105.2	

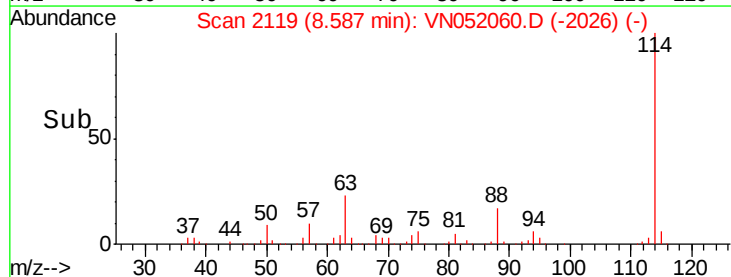
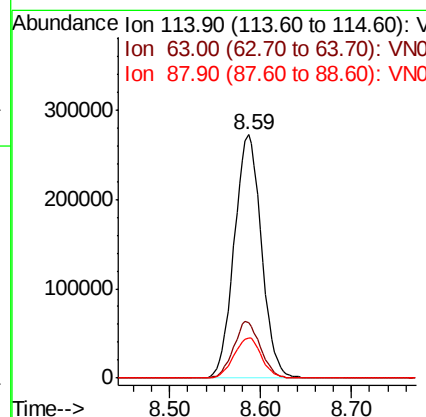
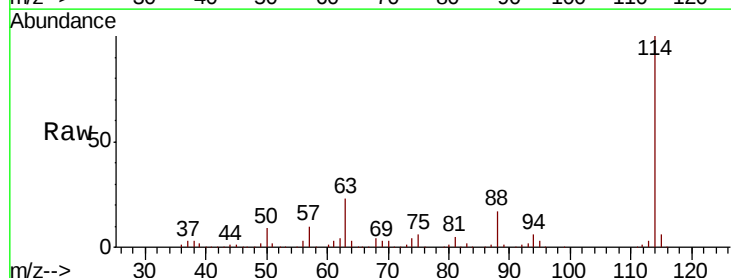
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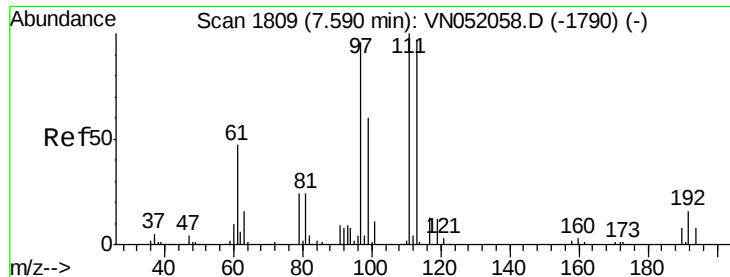
MMDadoda
 11/1/2018 11:48:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	46.0	
88	16.6	0.0	35.4	





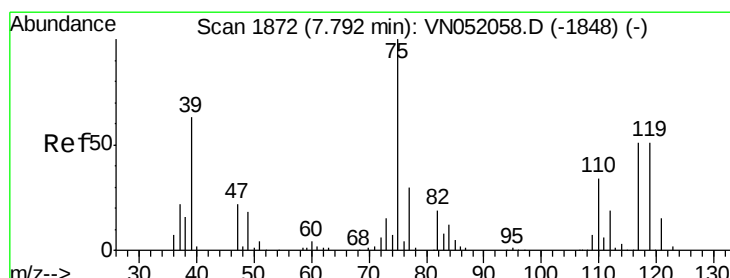
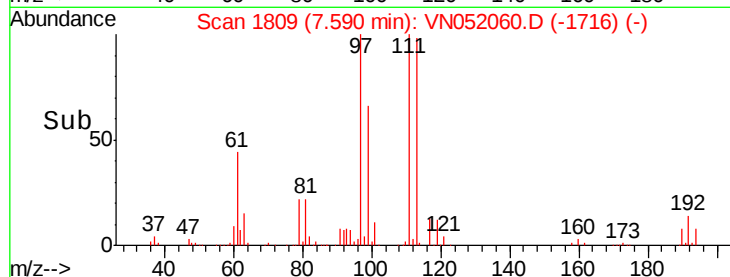
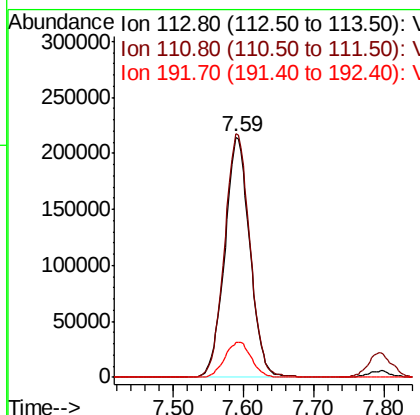
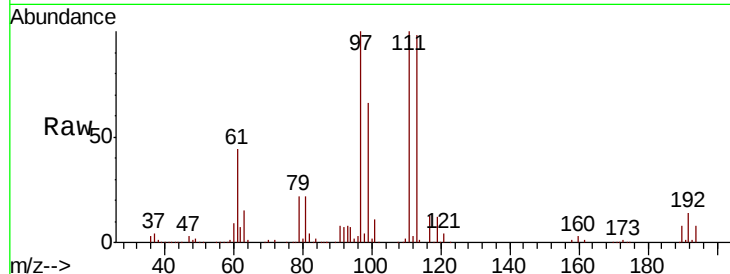
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	531180		
111	102.8	83.1	124.7	
192	15.6	12.7	19.1	

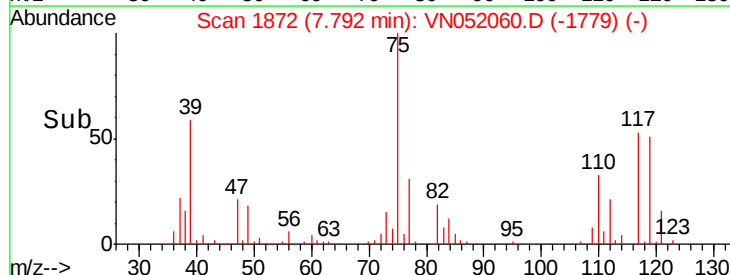
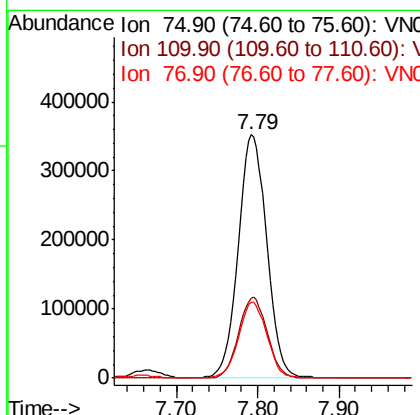
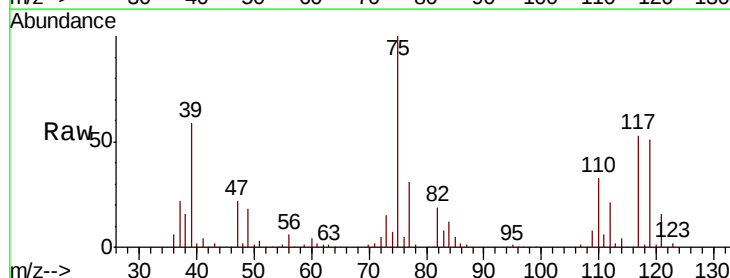
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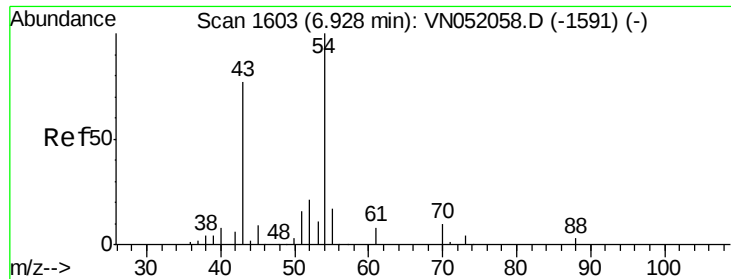
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#36
1,1-Dichloropropene
Concen: 151.164 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	848255		
110	33.3	16.0	48.0	
77	31.1	24.5	36.7	





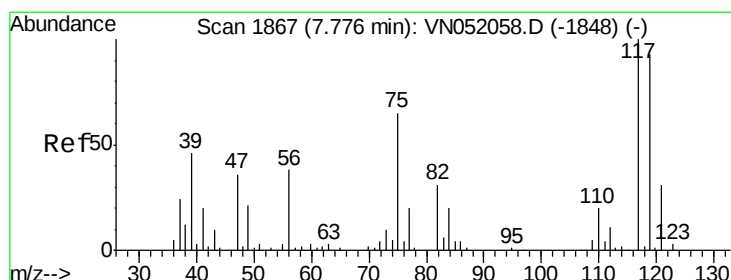
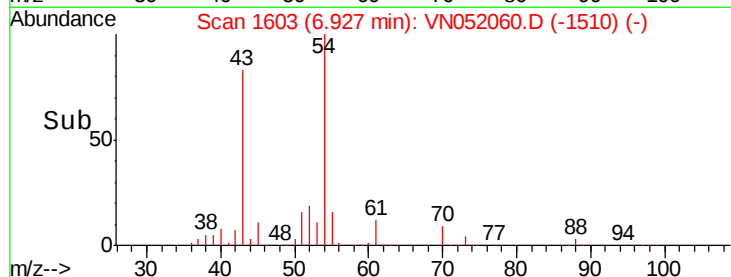
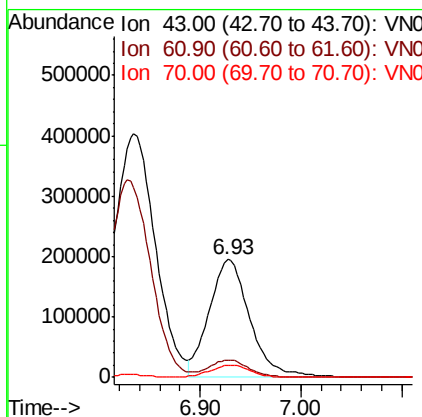
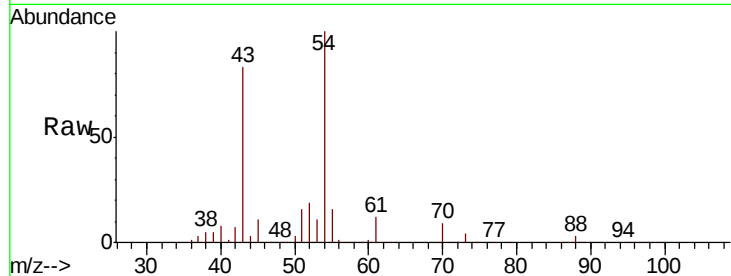
#37
Ethyl Acetate
Concen: 161.601 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	10.2	8.6	12.8

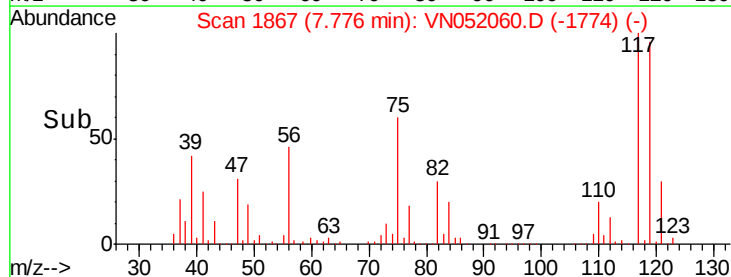
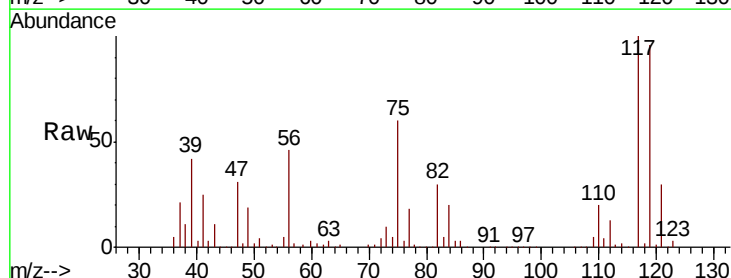
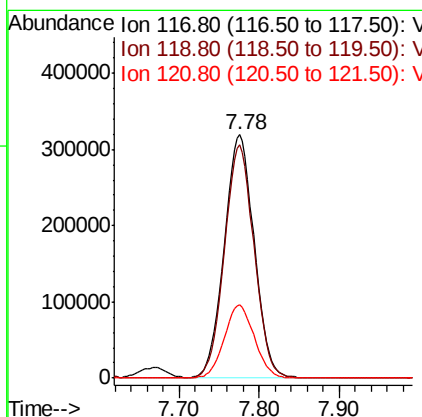
Manual Integrations
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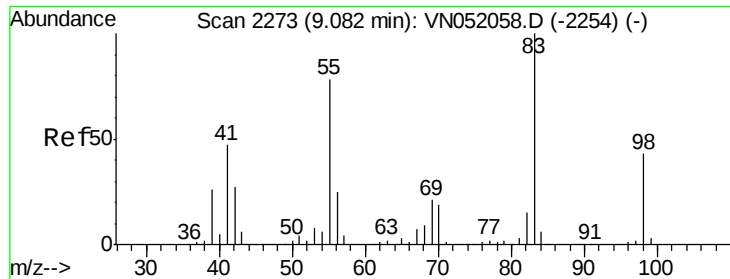
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#38
Carbon Tetrachloride
Concen: 174.527 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.8	112.2
121	29.9	25.1	37.7





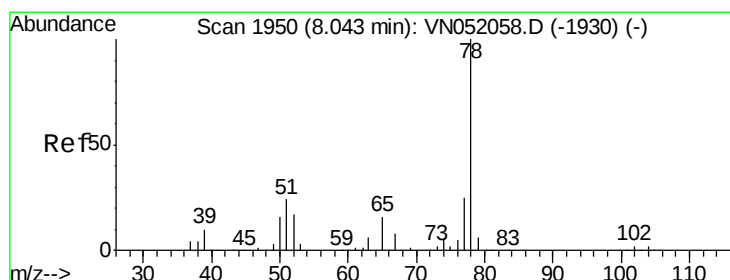
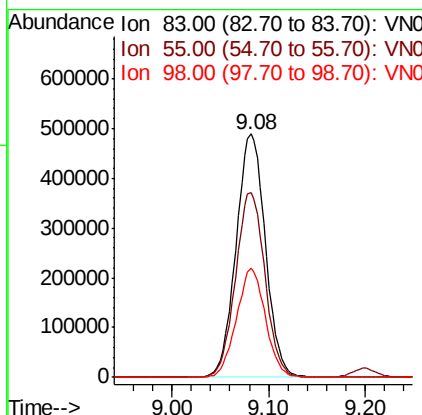
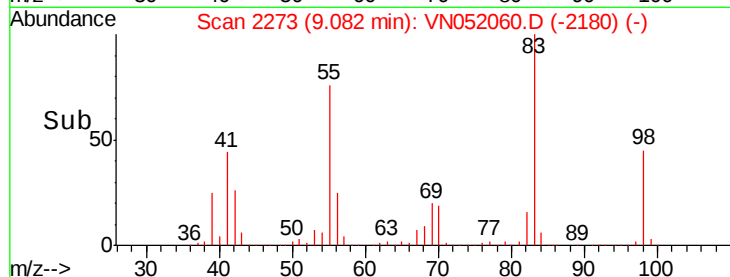
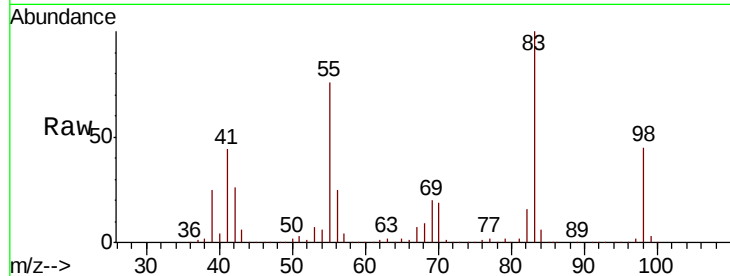
#39
Methvlcvclohexane
Concen: 153.550 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1028439
Ion Ratio Lower Upper
83 100
55 75.8 62.0 93.0
98 44.8 34.7 52.1

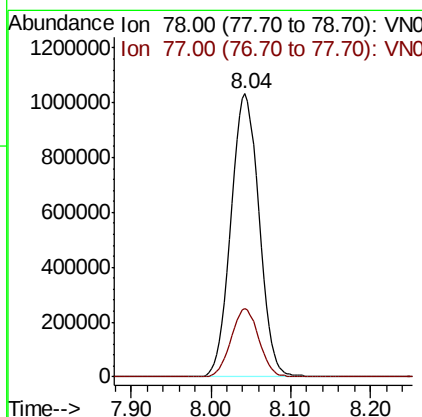
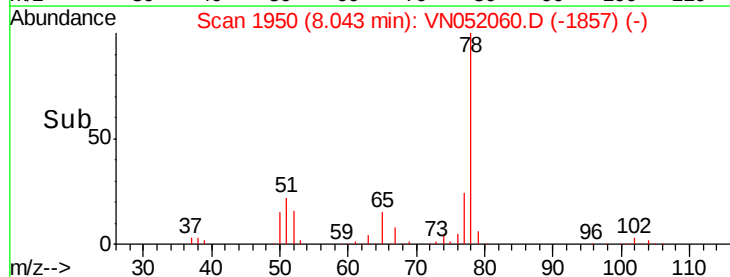
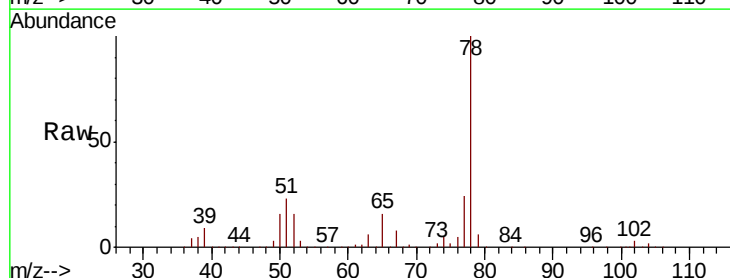
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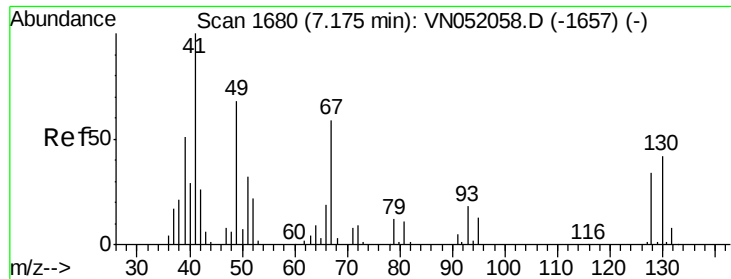
MMDadoda
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#40
Benzene
Concen: 154.935 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 78 Resp: 2458988
Ion Ratio Lower Upper
78 100
77 24.1 19.8 29.6





#41

Methacrylonitrile

Concen: 227.953 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 41 Resp: 292683

Ion Ratio Lower Upper

41 100

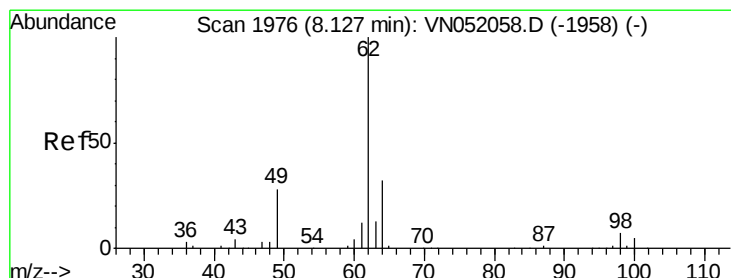
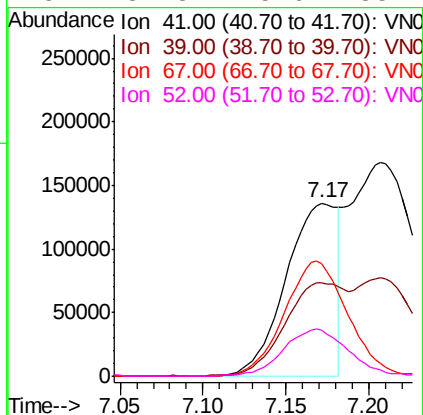
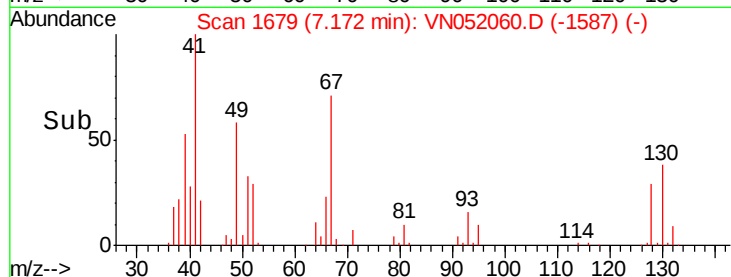
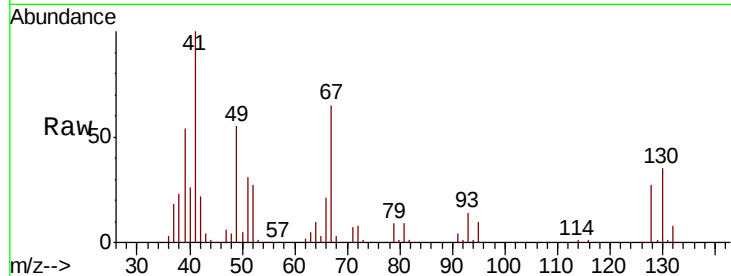
39 63.7 33.2 49.8#

67 82.4 63.5 95.3

52 34.3 25.6 38.4

Manual Integrations
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11/1/2018 11:48:07 AM



#42

1,2-Dichloroethane

Concen: 133.644 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052060.D

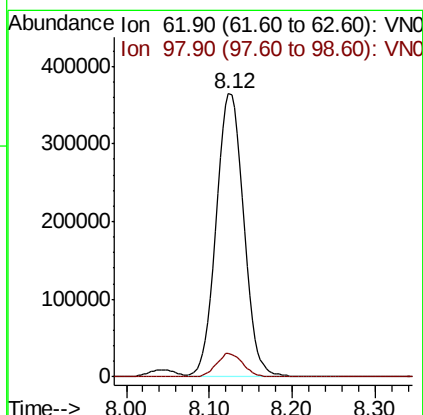
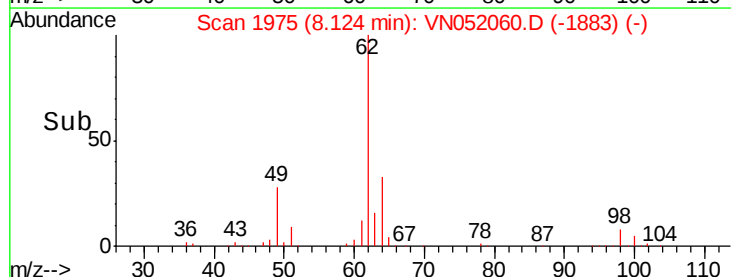
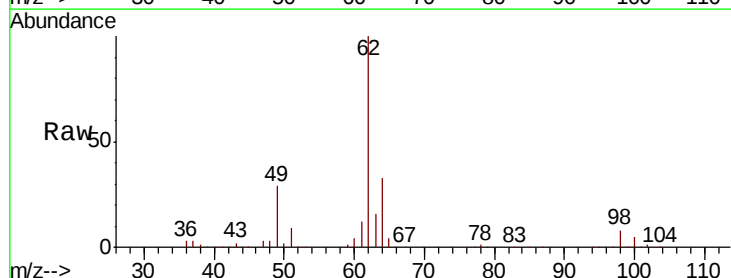
Acq: 30 Oct 2018 11:38

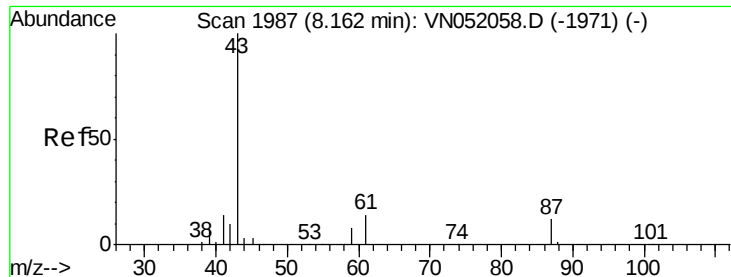
Tgt Ion: 62 Resp: 841965

Ion Ratio Lower Upper

62 100

98 8.0 0.0 15.2





#43

Isopropyl Acetate

Concen: 159.570 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1033414

Ion Ratio Lower Upper

43 100

61 27.9 15.4 23.0#

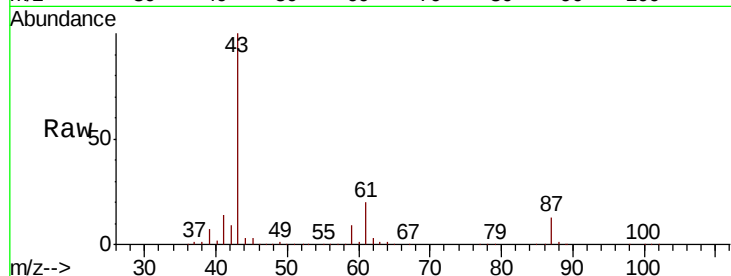
87 12.8 9.8 14.8

Manual Integrations

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MMDadoda

11/1/2018 11:48:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052058.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052058.D (-1971) (-)

8.17

600000

500000

400000

300000

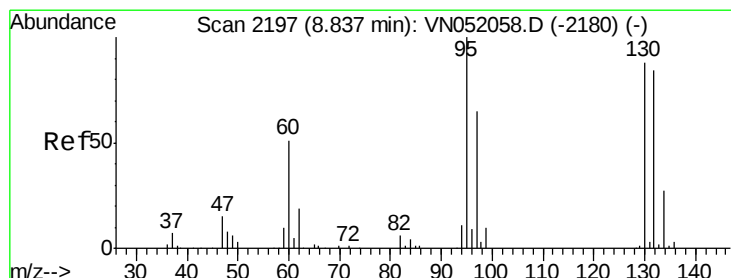
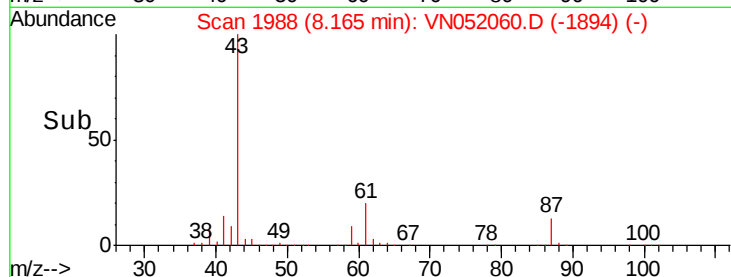
200000

100000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 167.881 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052060.D

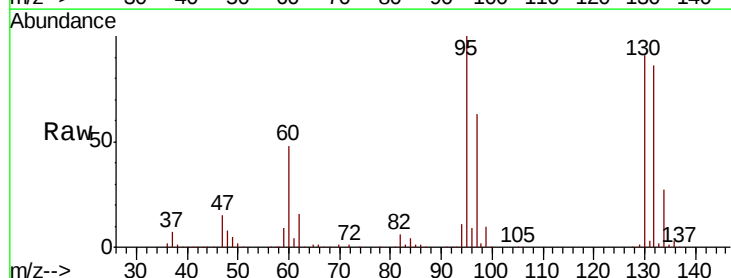
Acq: 30 Oct 2018 11:38

Tgt Ion:130 Resp: 586600

Ion Ratio Lower Upper

130 100

95 110.0 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052058.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052058.D (-2180) (-)

8.84

300000

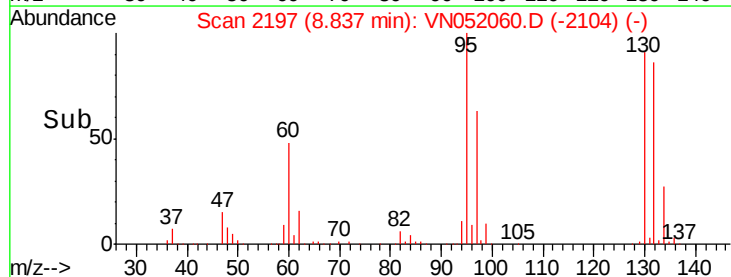
200000

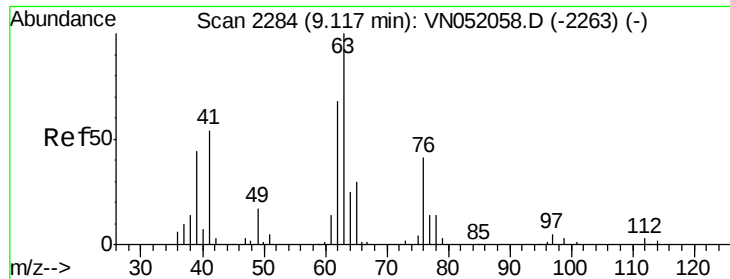
100000

0

8.80 8.90

Time-->





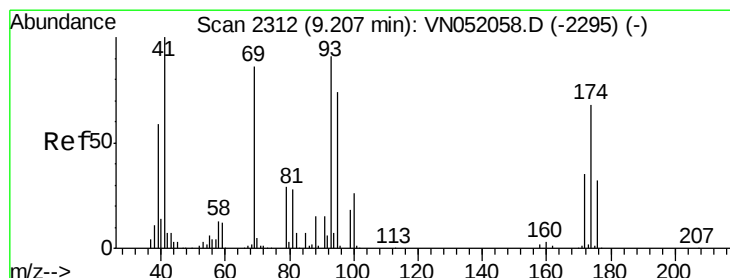
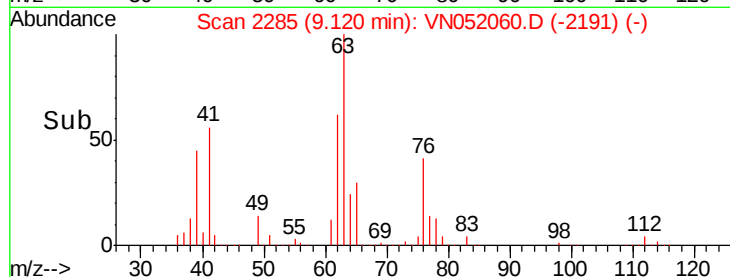
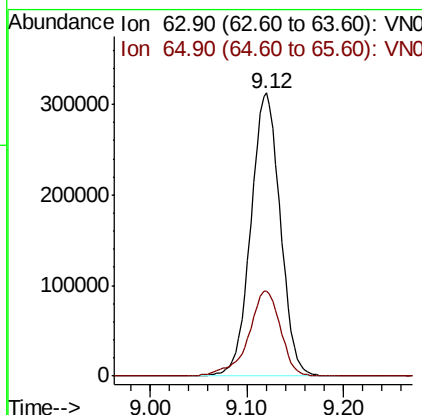
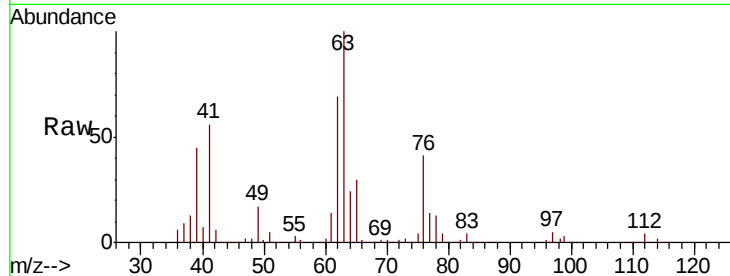
#45
 1,2-Dichloropropane
 Concen: 137.281 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 659348
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.5 36.7

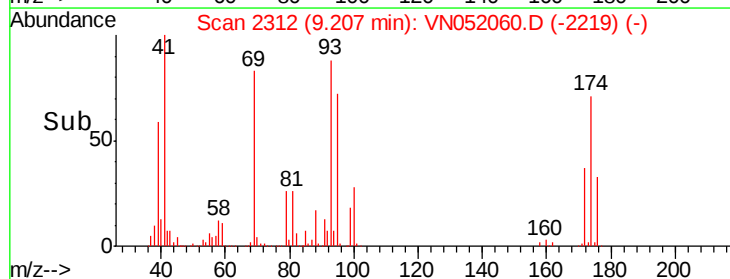
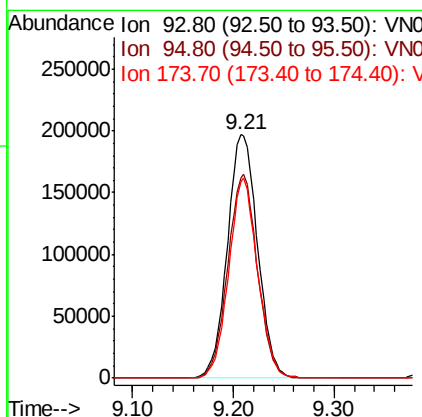
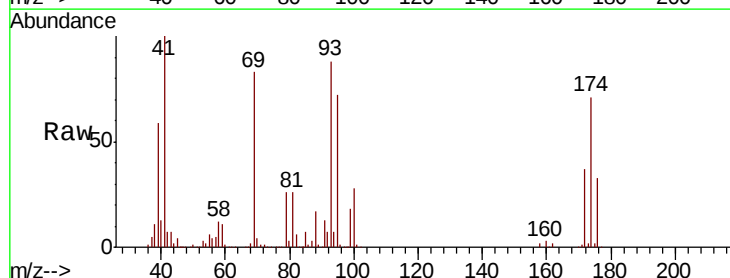
Manual Integrations
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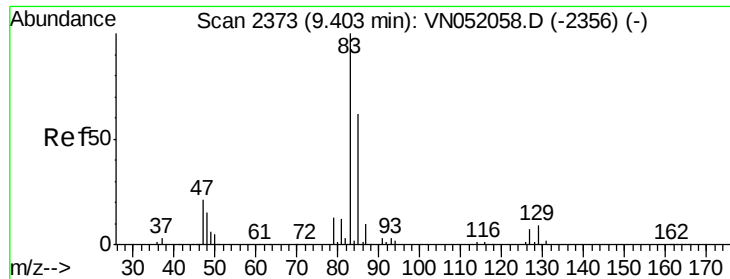
MMDadoda
 11/1/2018 11:48:07 AM



#46
 Dibromomethane
 Concen: 167.504 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Tgt Ion: 93 Resp: 410524
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.2 100.8
 174 78.4 59.7 89.5





#47

Bromodichloromethane

Concen: 169.596 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

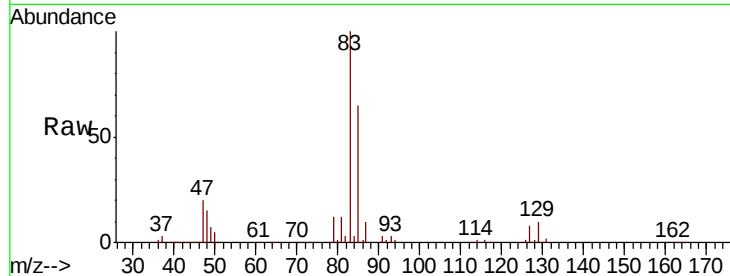
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	867736
Ion Ratio	Lower	Upper	
83	100		
85	64.8	49.4	74.2
127	7.8	5.8	8.8

Manual Integrations
APPROVED

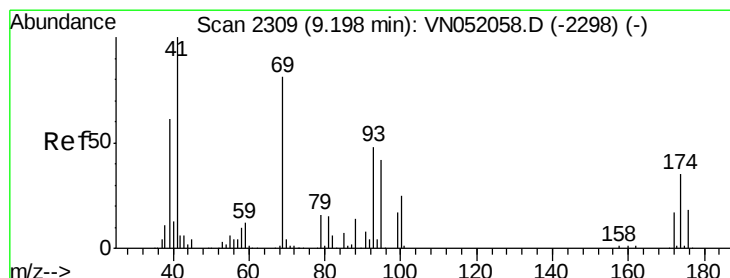
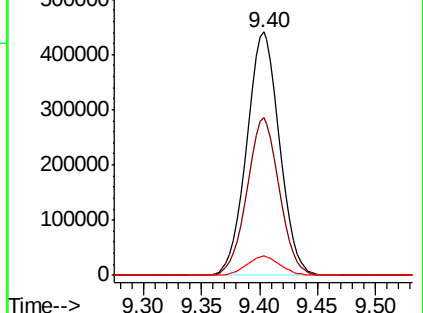
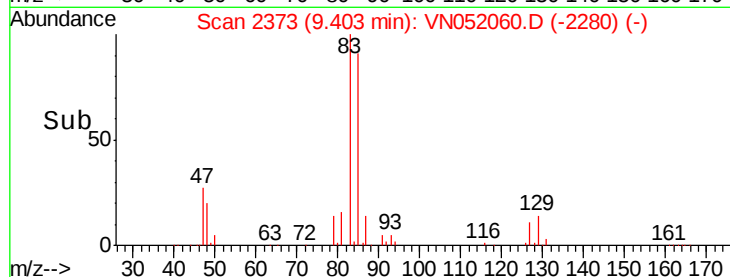
MMDadoda
11/1/2018 11:48:07 AM



Abundance Ion 82.90 (82.60 to 83.60): VN052060.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052060.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052060.D (-2280) (-)



#48

Methyl methacrylate

Concen: 154.030 ug/l

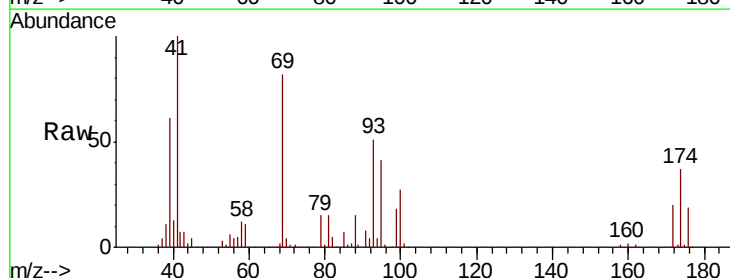
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

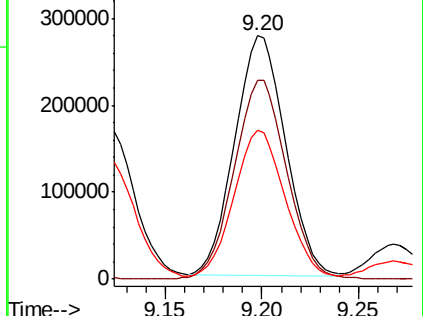
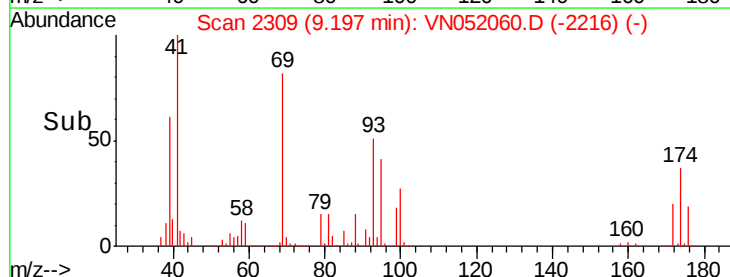
Tgt Ion:	41	Resp:	504197
Ion Ratio	Lower	Upper	
41	100		
69	85.6	67.1	100.7
39	63.1	50.5	75.7

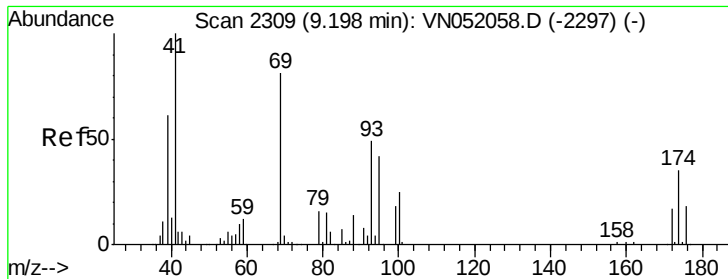


Abundance Ion 41.00 (40.70 to 41.70): VN052060.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052060.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052060.D (-2216) (-)





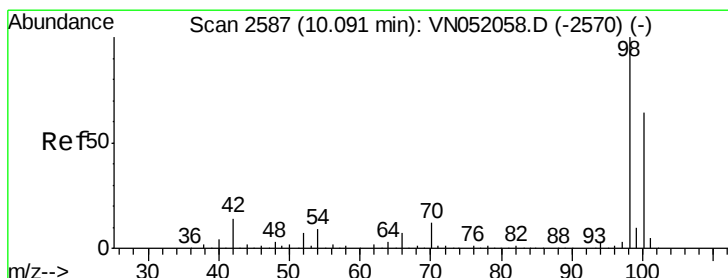
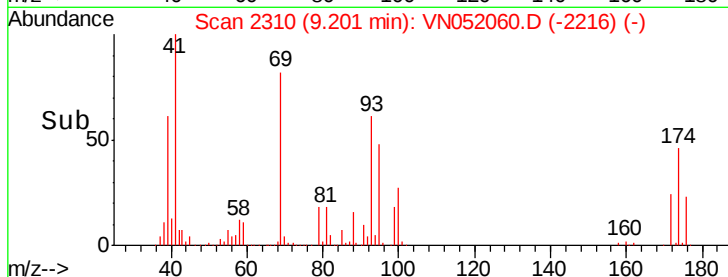
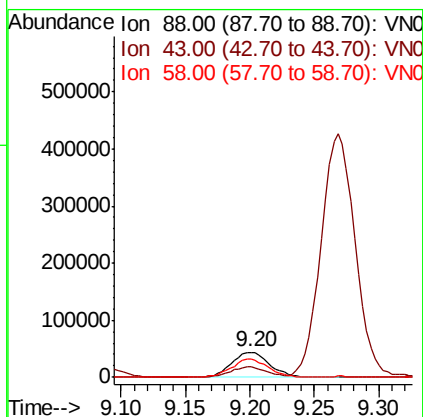
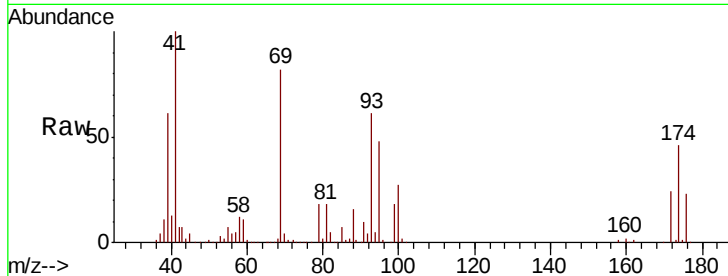
#49
1,4-Dioxane
Concen: 5633.264 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	34.1	51.1
58	71.4	62.8	94.2

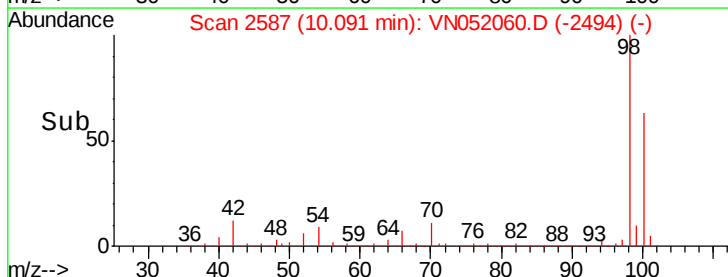
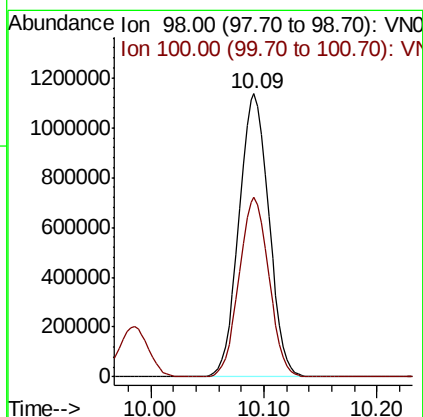
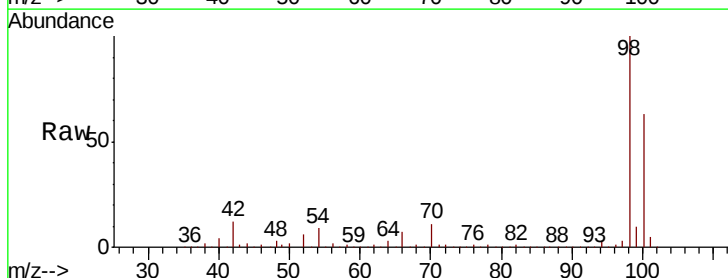
Manual Integrations
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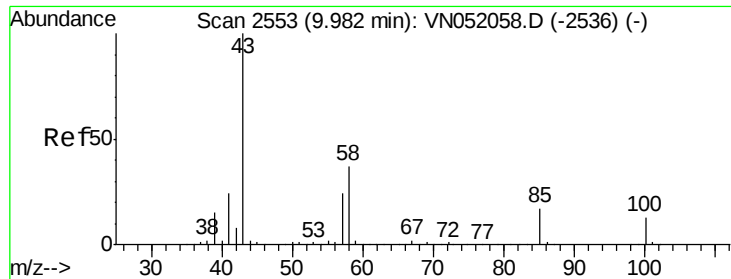
MMDadoda
11/1/2018 11:48:07 AM



#50
Toluene-d8
Concen: 5633.264 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 777.903 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2731072

Ion Ratio Lower Upper

43 100

58 37.3

29.7

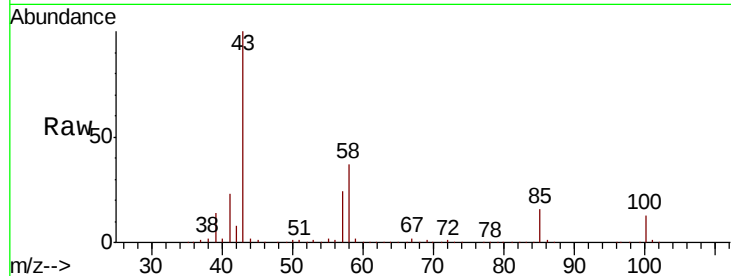
44.5

Manual Integrations

APPROVED

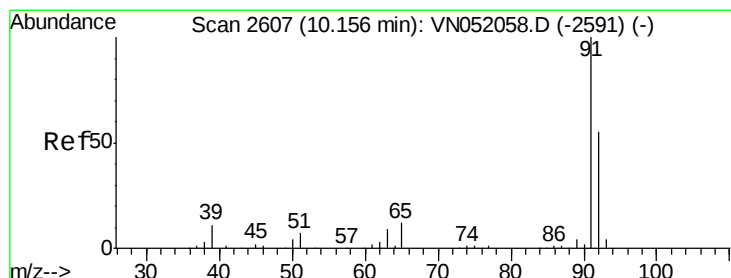
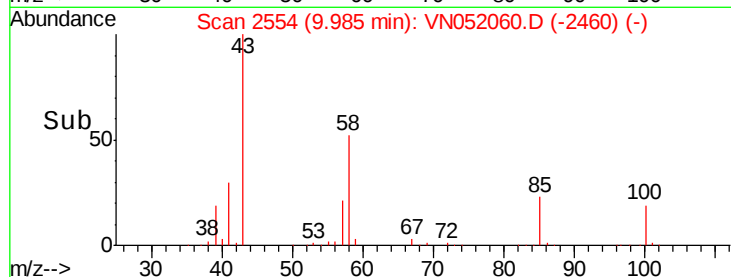
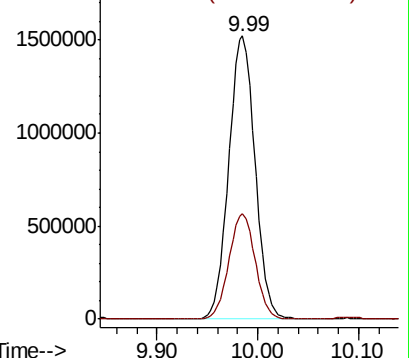
MMDadoda

11/1/2018 11:48:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2536) (-)



#52

Toluene

Concen: 160.385 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Tgt Ion: 92 Resp: 1528413

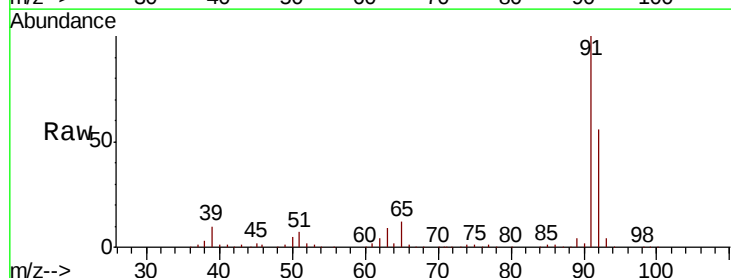
Ion Ratio Lower Upper

92 100

91 178.7

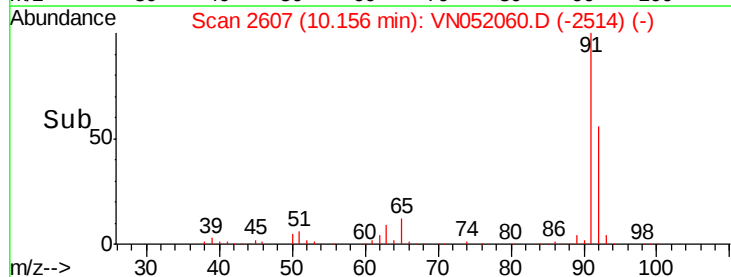
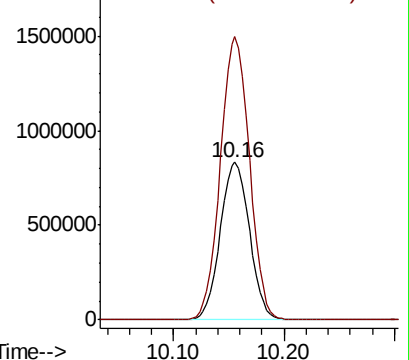
143.9

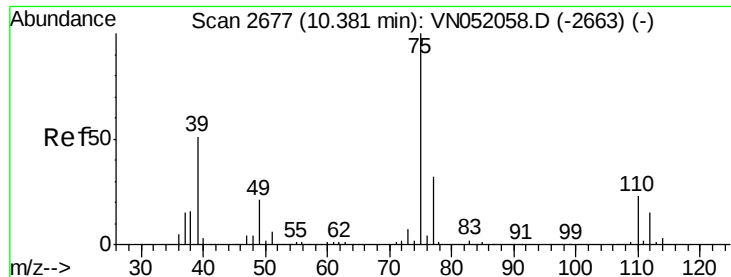
215.9



Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)





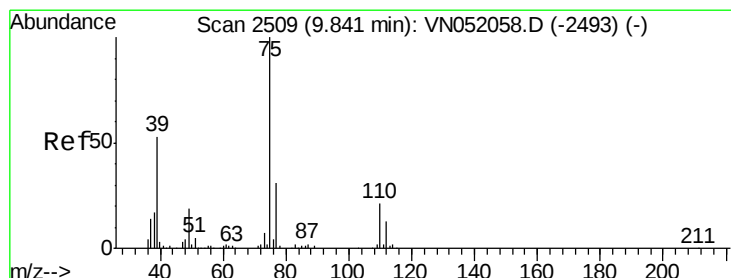
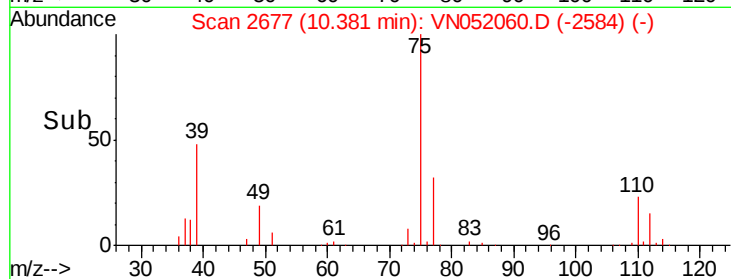
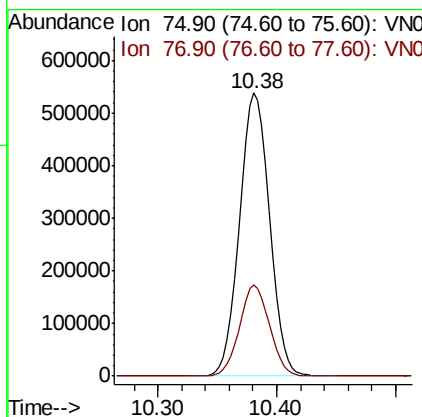
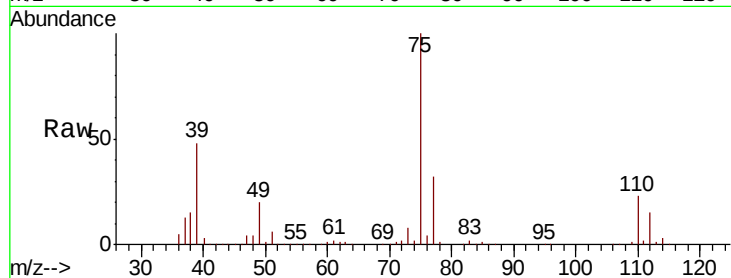
#53
t-1,3-Dichloropropene
Concen: 171.965 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 75 Resp: 942075
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4

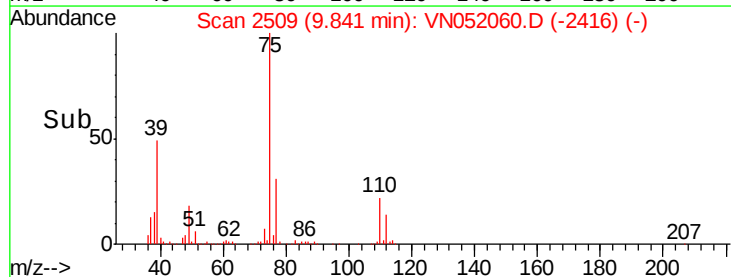
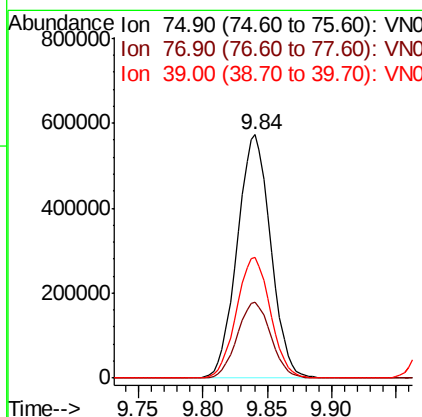
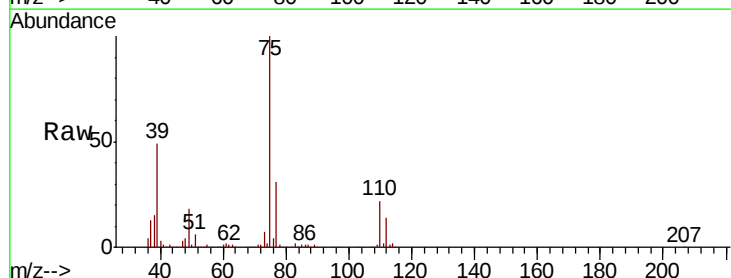
Manual Integrations
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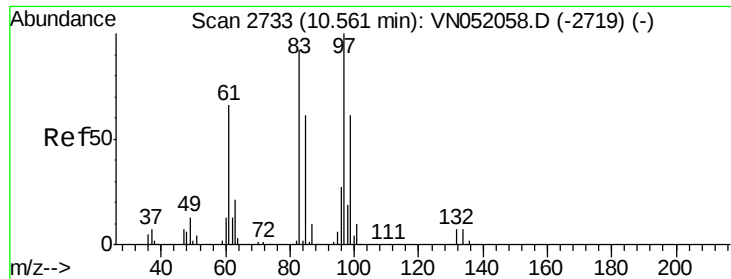
MMDadoda
11/1/2018 11:48:07 AM



#54
cis-1,3-Dichloropropene
Concen: 174.348 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 75 Resp: 1035577
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4
39 49.4 42.3 63.5





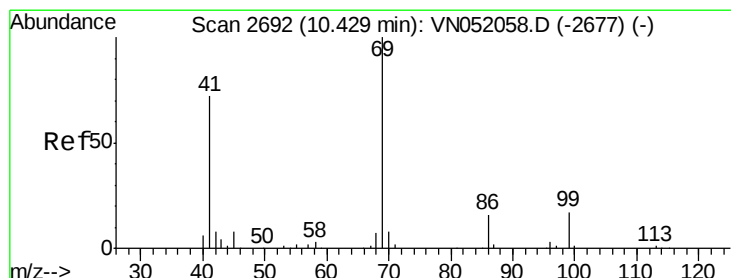
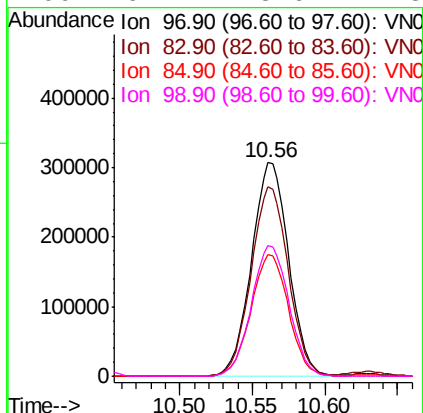
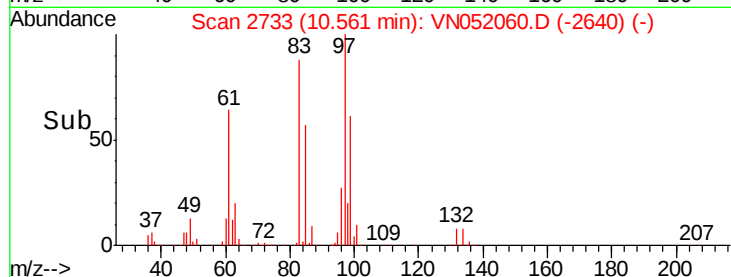
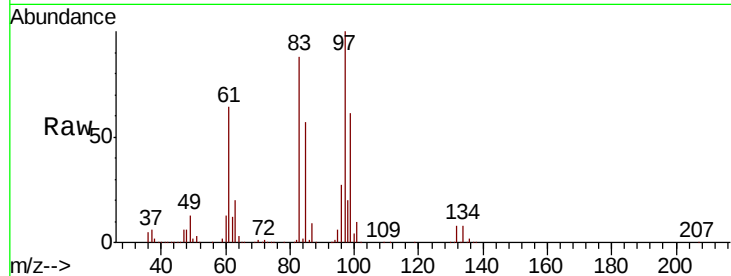
#55
 1,1,2-Trichloroethane
 Concen: 161.121 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	549293
Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.8	110.8
85	56.9	48.4	72.6
99	61.2	48.6	72.8

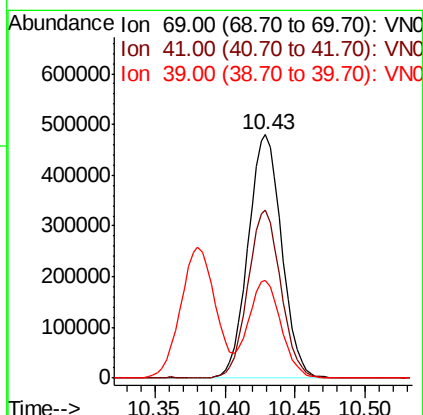
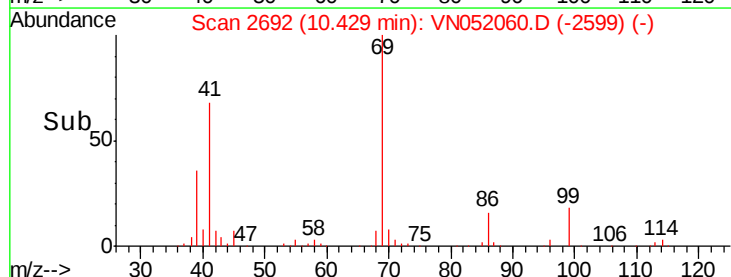
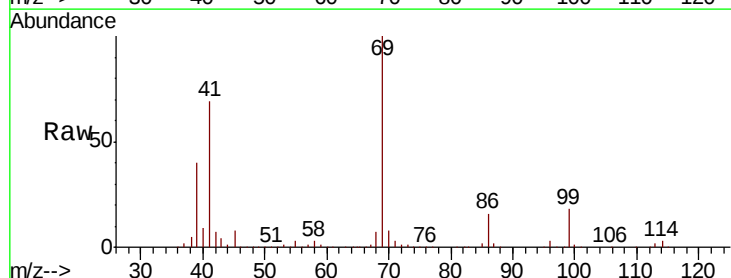
Manual Integrations
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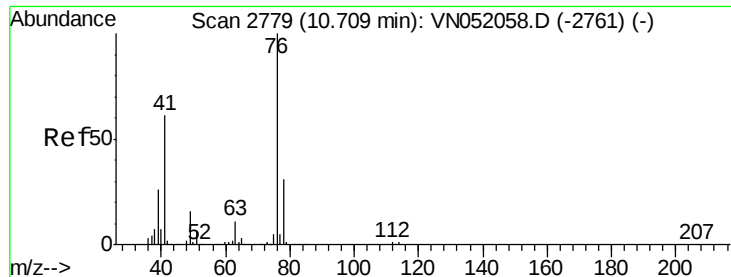
MMDadoda
 11/1/2018 11:48:07 AM



#56
 Ethyl methacrylate
 Concen: 160.085 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Tgt Ion:	69	Resp:	798520
Ion	Ratio	Lower	Upper
69	100		
41	67.7	55.5	83.3
39	39.2	33.0	49.4





#57

1,3-Dichloropropane

Concen: 154.699 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 970274

Ion Ratio Lower Upper

76 100

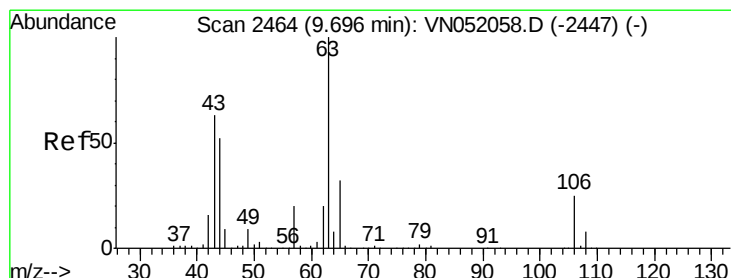
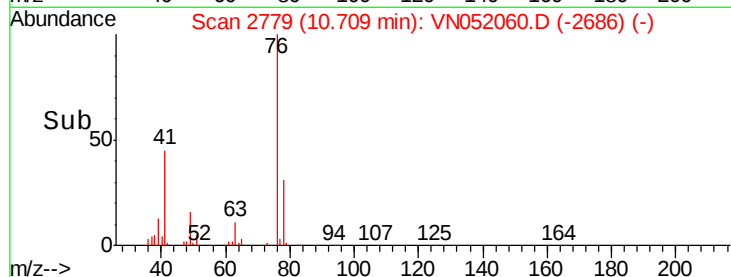
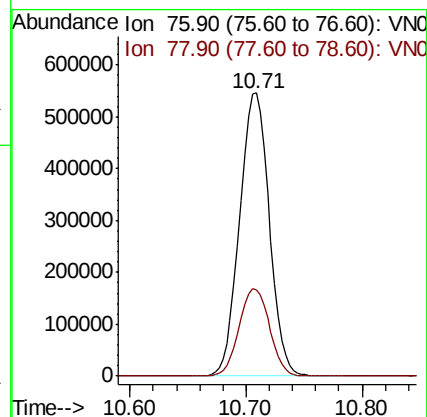
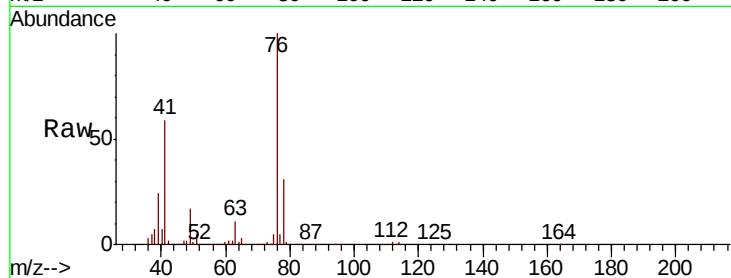
78 31.7 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

11/1/2018 11:48:07 AM



#58

2-Chloroethyl Vinyl ether

Concen: 802.892 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052060.D

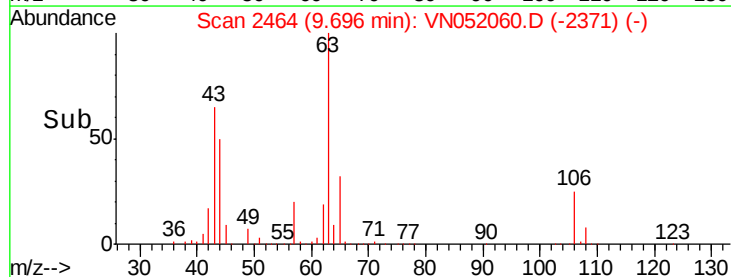
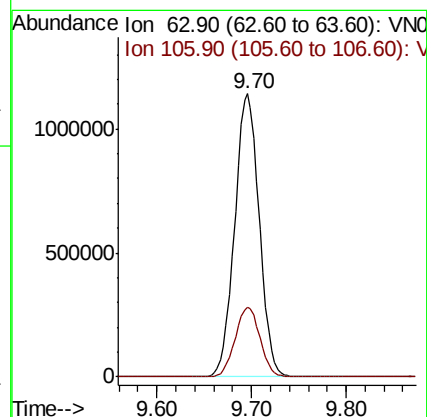
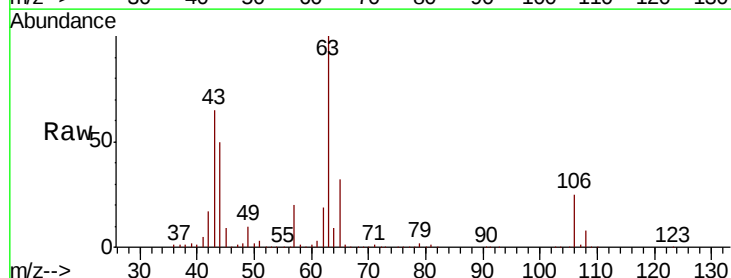
Acq: 30 Oct 2018 11:38

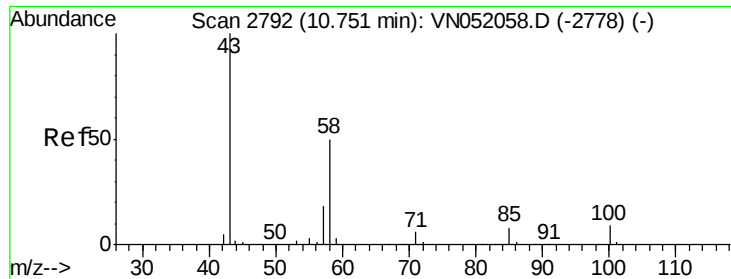
Tgt Ion: 63 Resp: 2051755

Ion Ratio Lower Upper

63 100

106 25.1 19.4 29.2





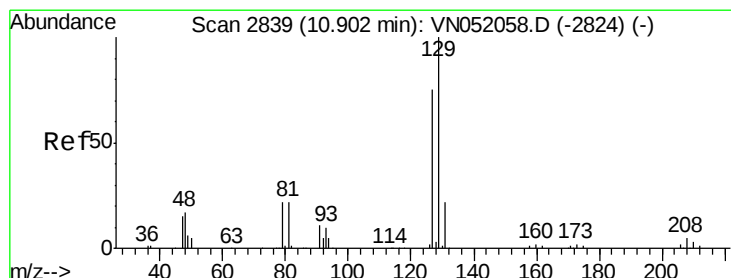
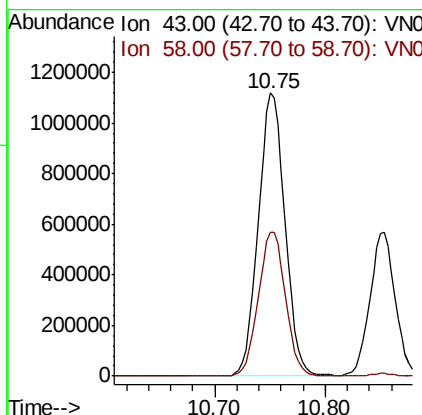
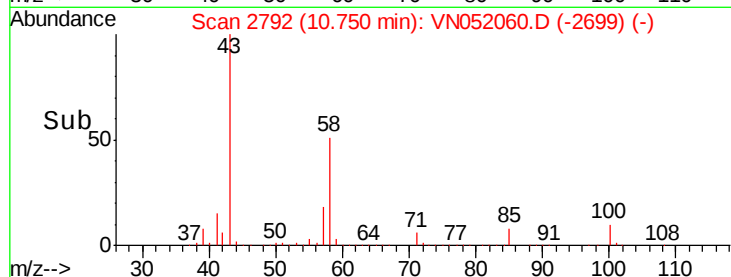
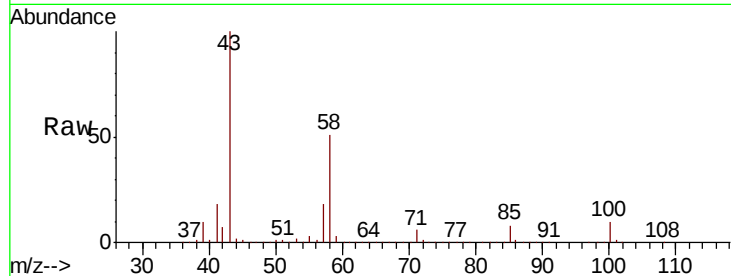
#59
2-Hexanone
Concen: 744.659 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1877597
Ion Ratio Lower Upper
43 100
58 51.9 25.2 75.6

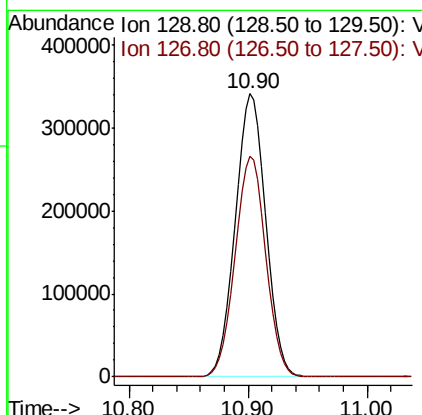
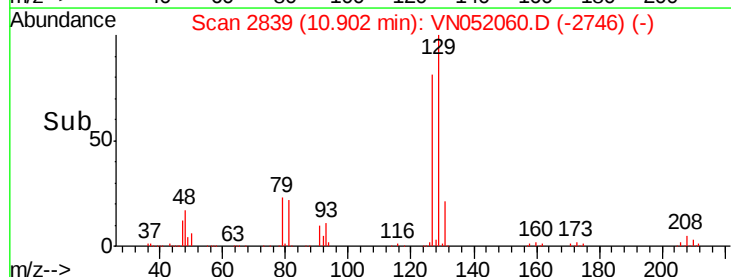
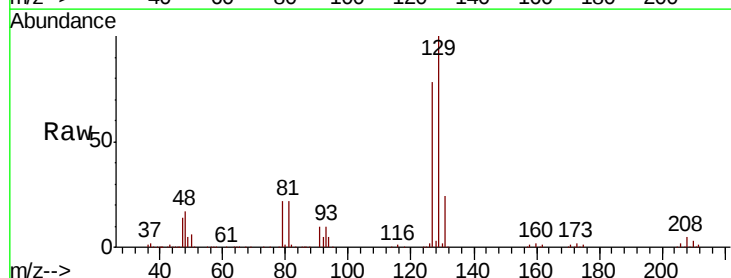
Manual Integrations
APPROVED

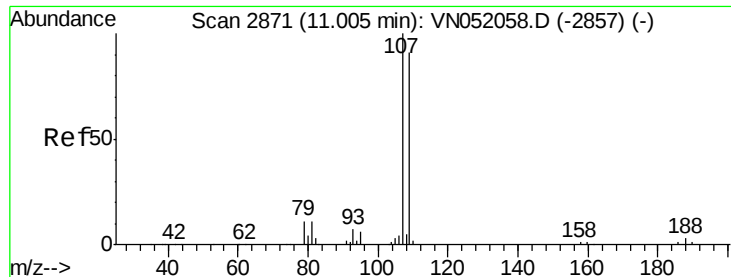
MMDadoda
11/1/2018 11:48:07 AM



#60
Dibromochloromethane
Concen: 186.642 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 129 Resp: 604965
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





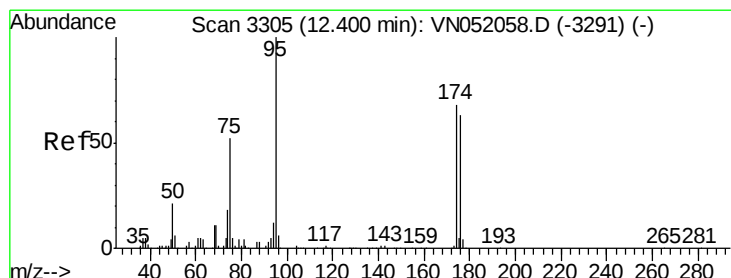
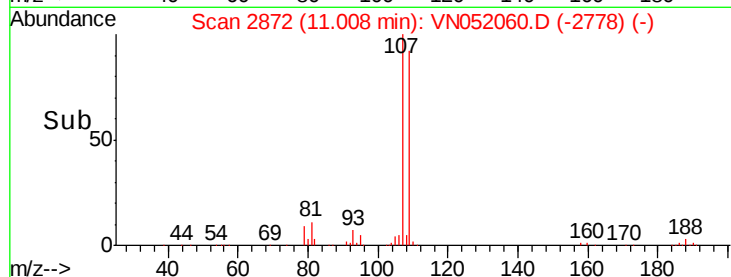
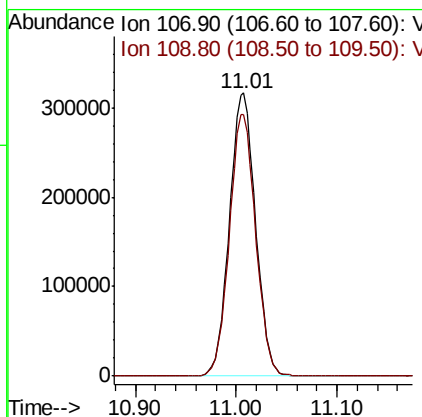
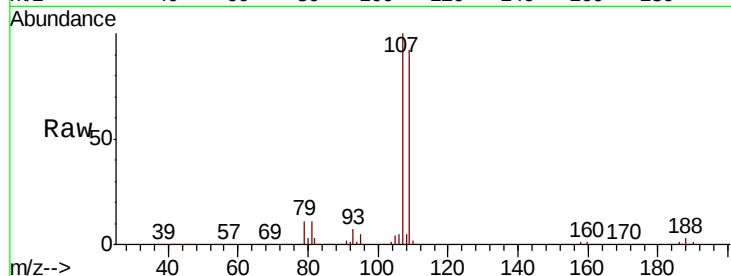
#61
 1,2-Dibromoethane
 Concen: 168.222 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.1	112.7

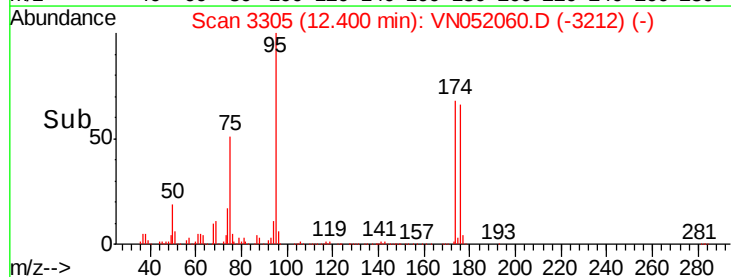
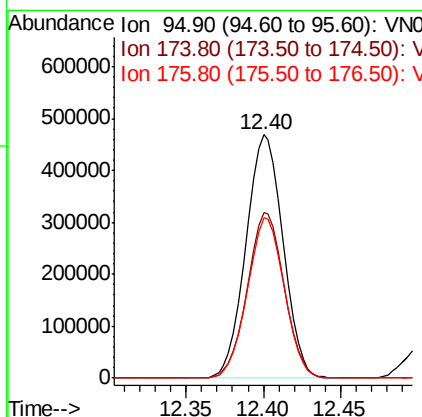
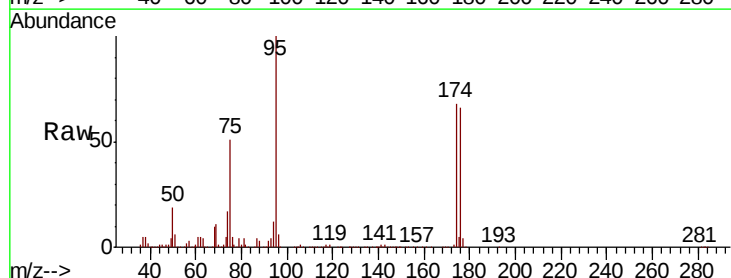
Manual Integrations
 APPROVED

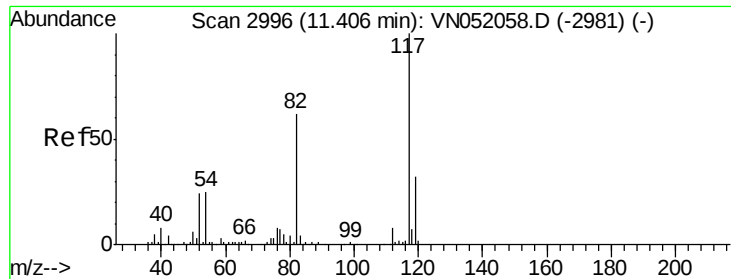
MMDadoda
 11/1/2018 11:48:07 AM



#62
 4-Bromofluorobenzene
 Concen: 168.222 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	131.8
176	65.5	0.0	126.0





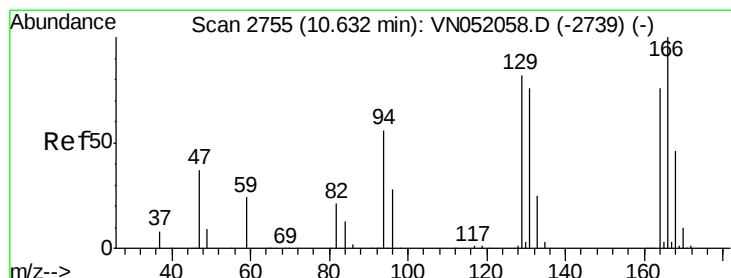
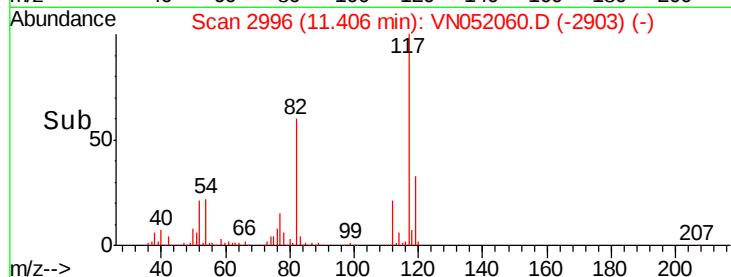
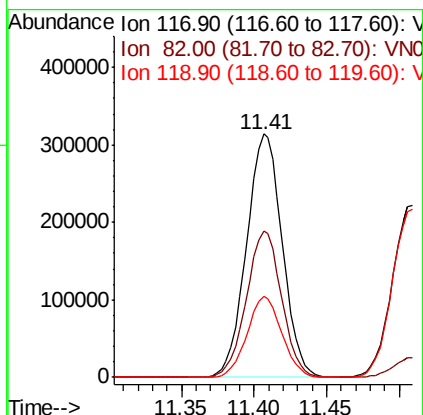
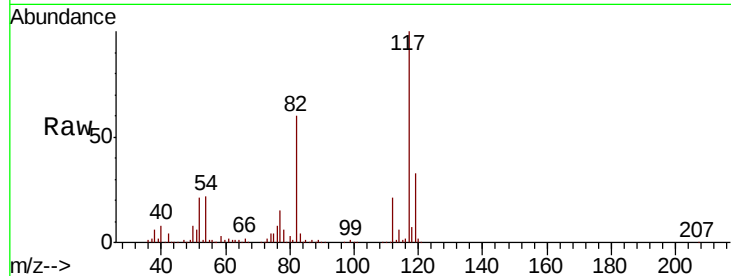
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	49.9	74.9
119	33.0	25.7	38.5

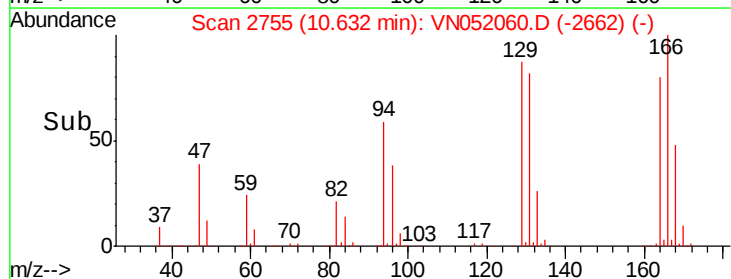
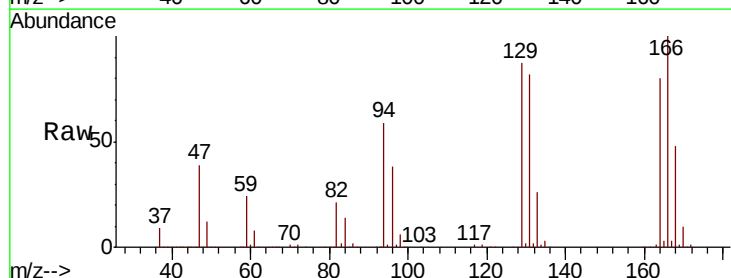
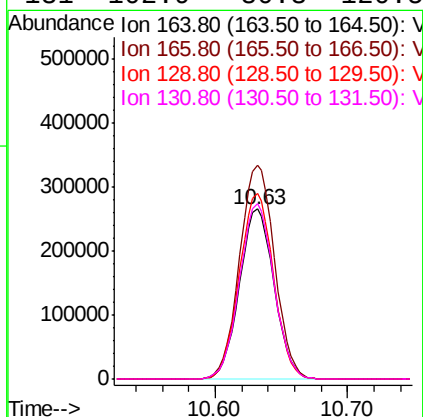
Manual Integrations
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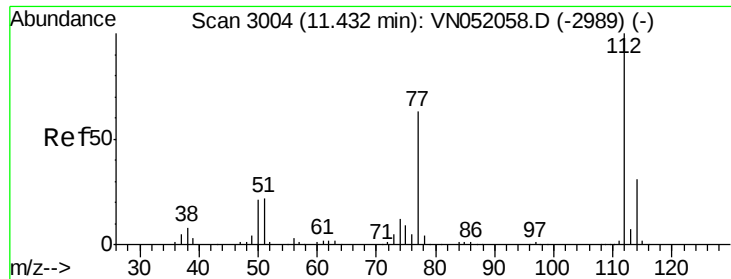
MMDadoda
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#64
Tetrachloroethene
Concen: 155.825 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	105.4	158.0
129	109.0	86.1	129.1
131	102.9	80.3	120.5





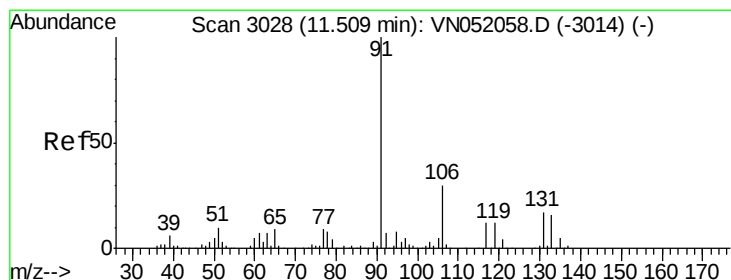
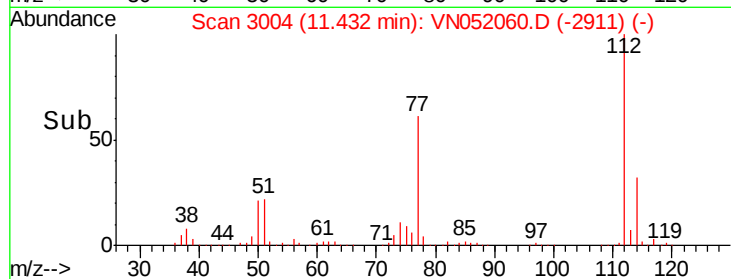
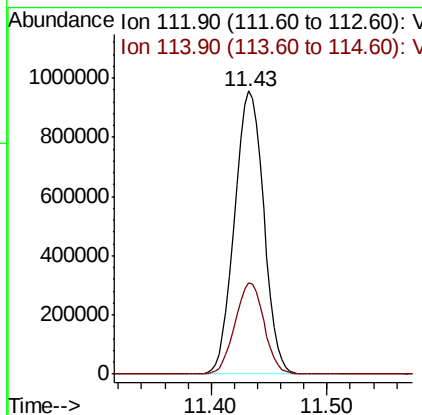
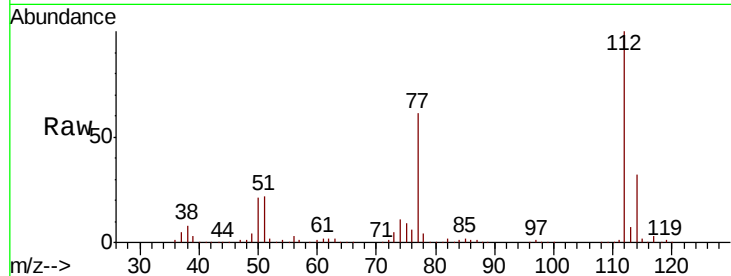
#65
Chlorobenzene
Concen: 150.793 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 1664997
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7

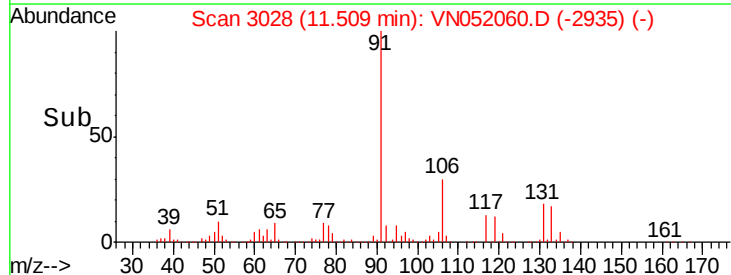
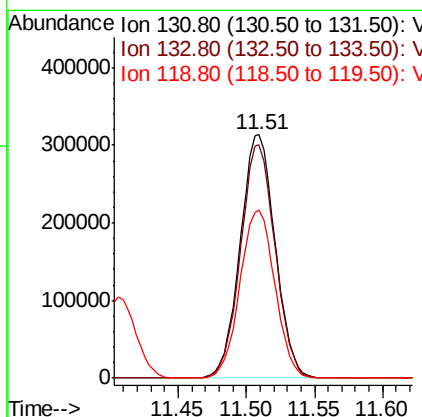
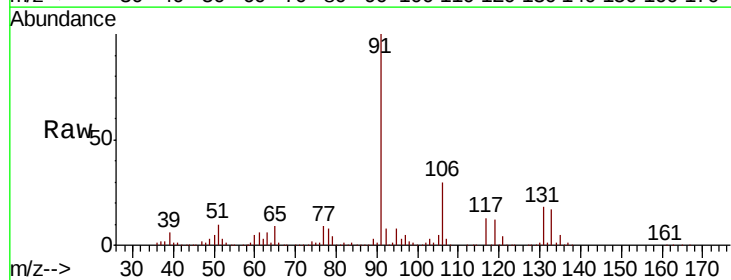
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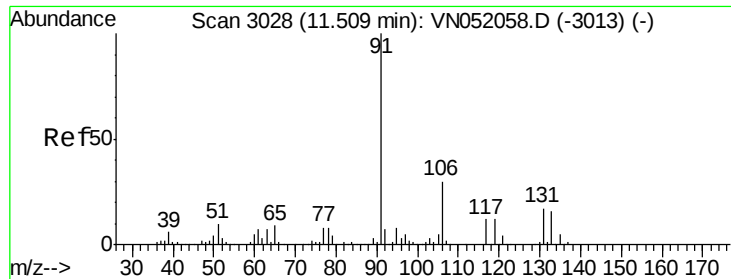
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 165.280 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion:131 Resp: 556682
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 69.2 34.4 103.2





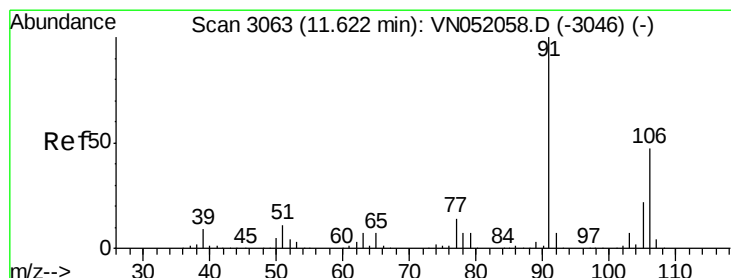
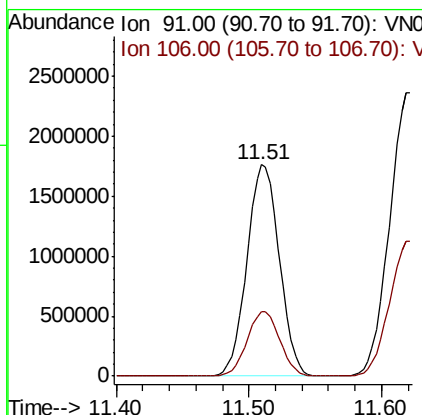
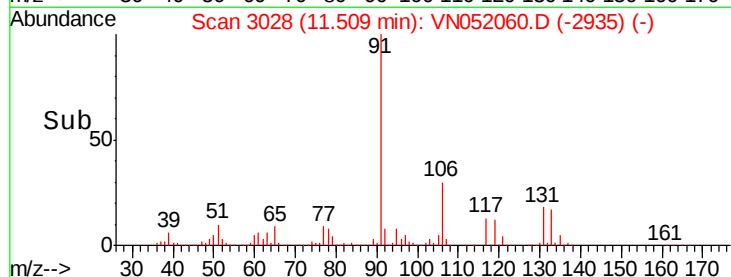
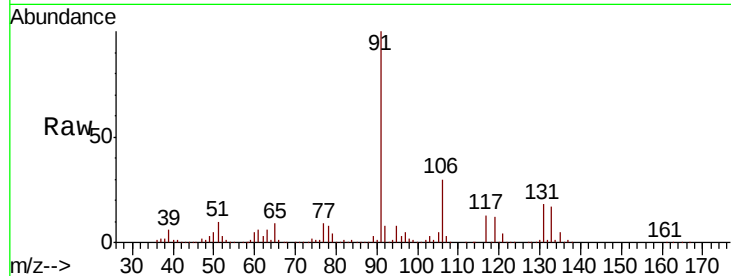
#67
Ethyl Benzene
Concen: 154.623 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2990626
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1

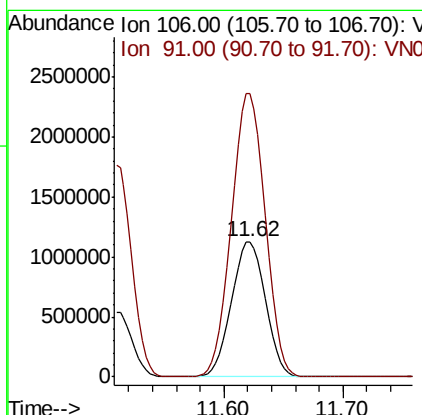
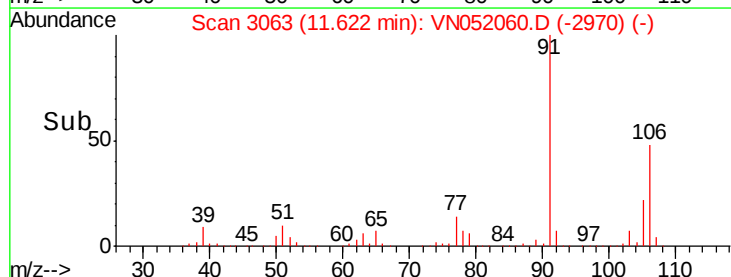
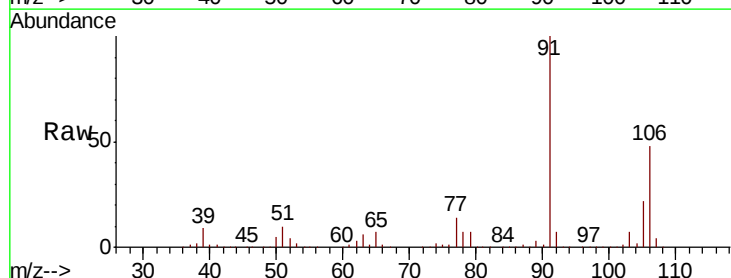
Manual Integrations
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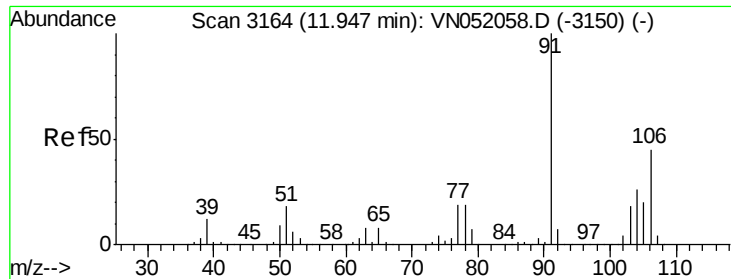
MMDadoda
11/1/2018 11:48:07 AM



#68
m/p-Xylenes
Concen: 331.014 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion: 106 Resp: 2222098
Ion Ratio Lower Upper
106 100
91 208.4 168.7 253.1





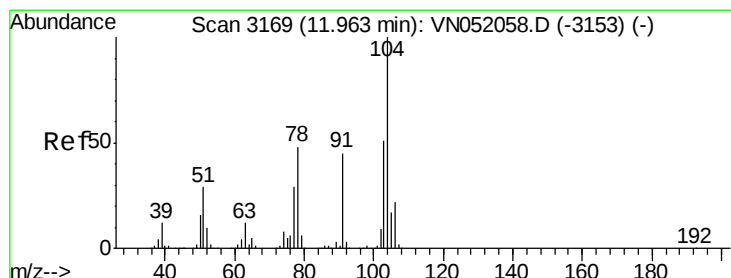
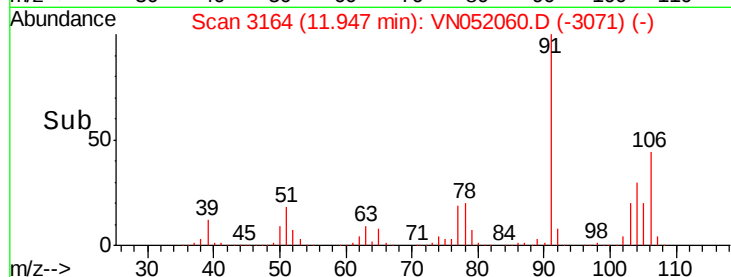
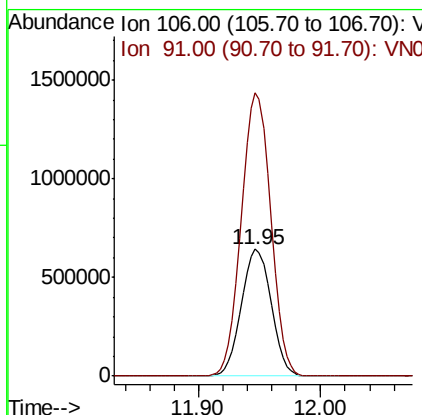
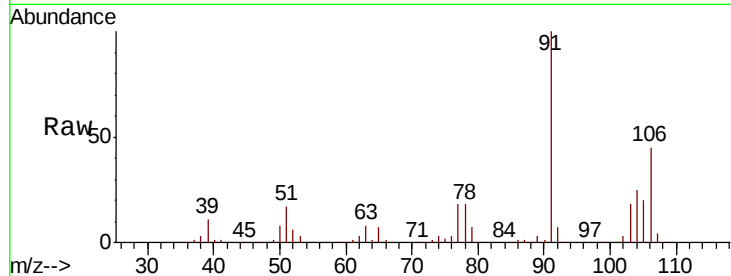
#69
o-Xylene
Concen: 165.394 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1083039
Ion Ratio Lower Upper
106 100
91 220.2 109.6 328.6

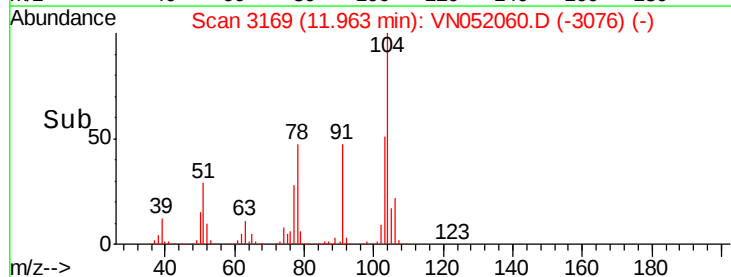
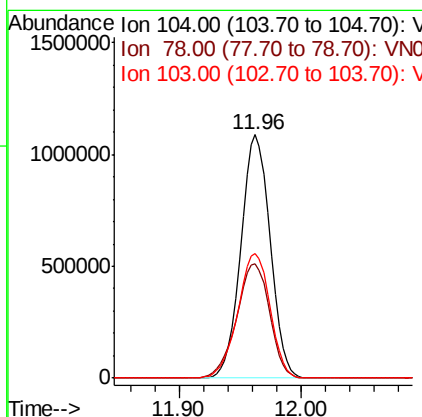
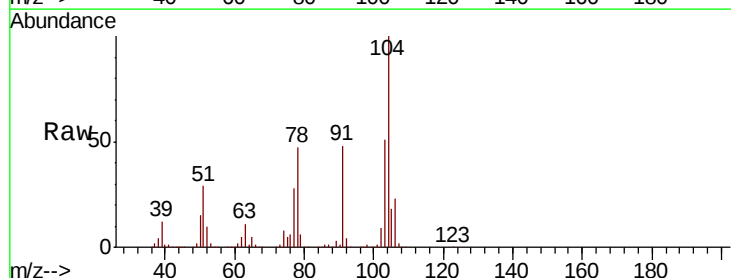
Manual Integrations
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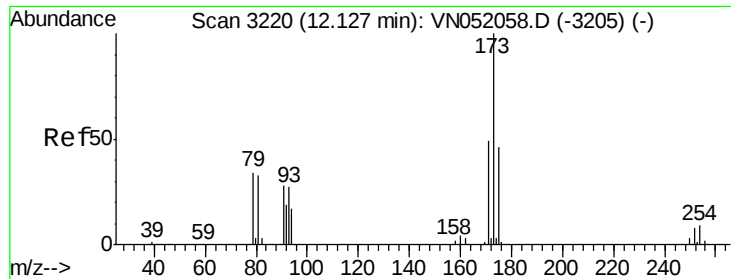
MMDadoda
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#70
Styrene
Concen: 166.393 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion:104 Resp: 1796492
Ion Ratio Lower Upper
104 100
78 53.3 43.0 64.6
103 56.4 45.1 67.7





#71

Bromoform

Concen: 198.399 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

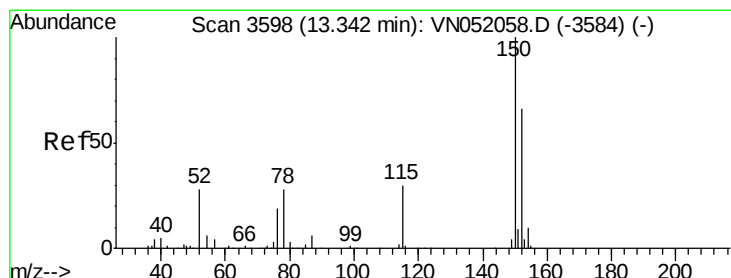
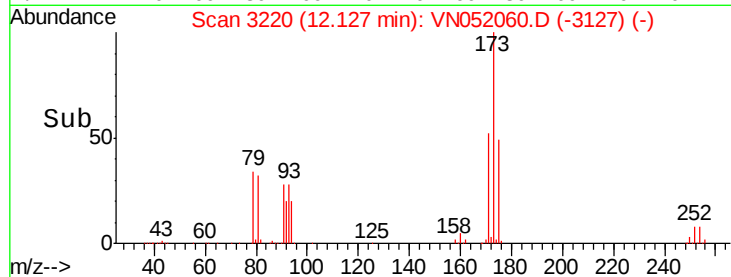
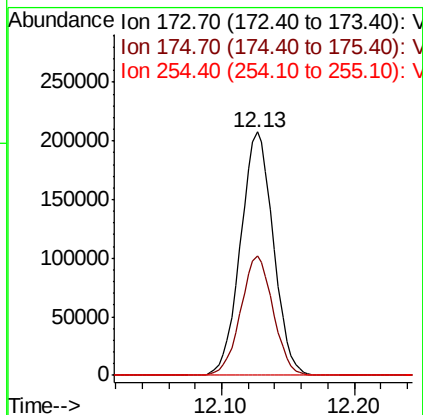
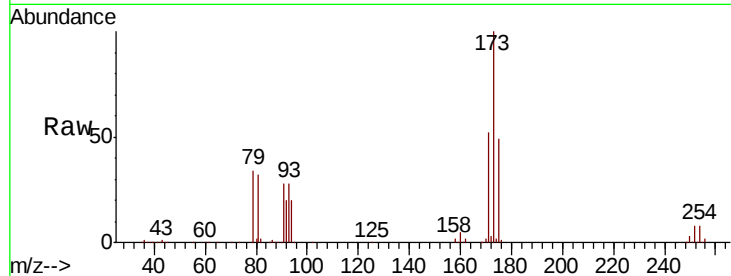
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.7
254	0.1	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

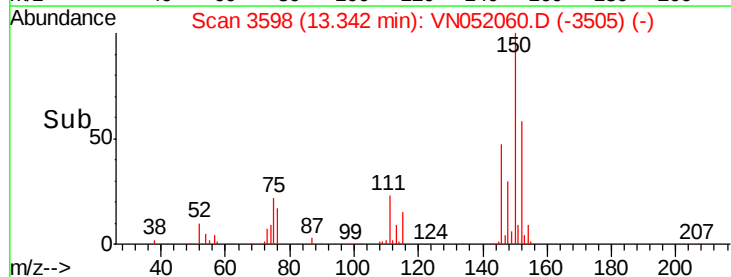
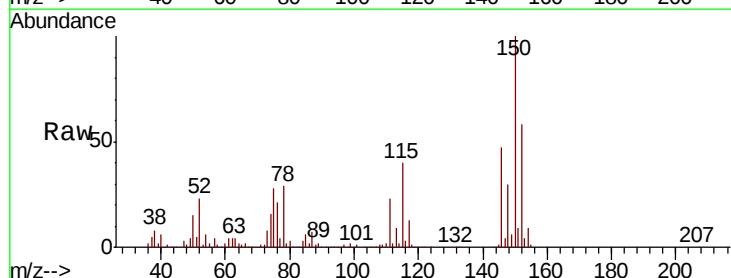
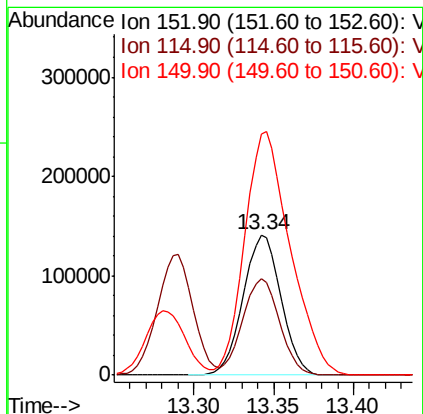
RT: 13.34 min Scan# 3598

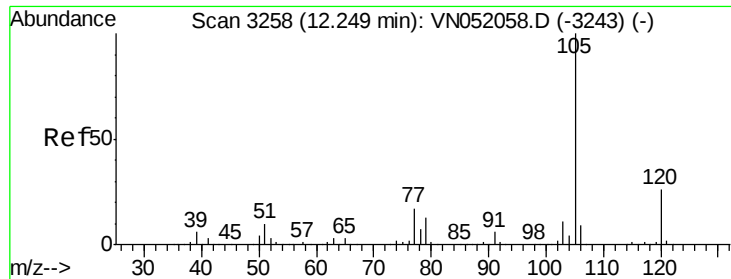
Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.8	31.6	95.0
150	209.5	0.0	345.0





#73

Isopropylbenzene

Concen: 163.853 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2937446

Ion Ratio Lower Upper

105 100

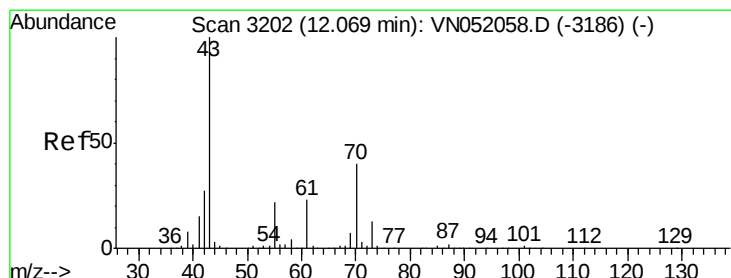
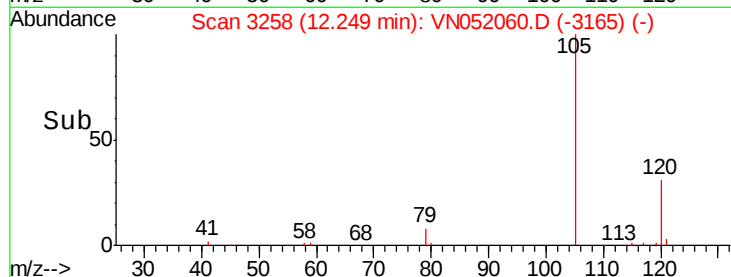
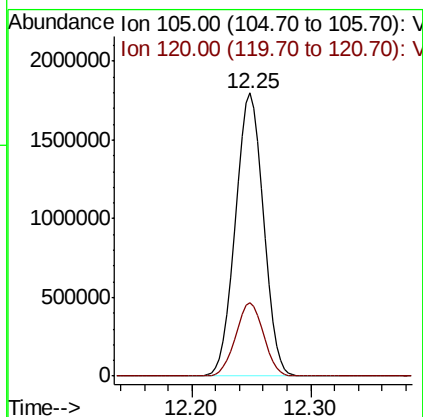
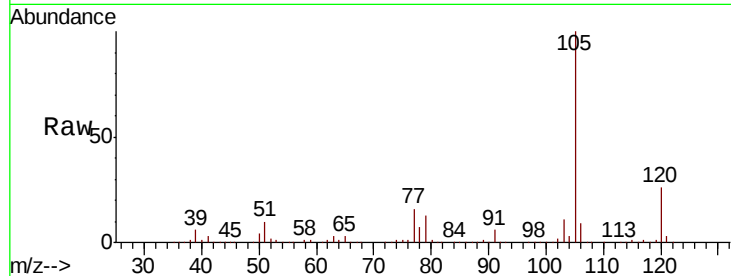
120 25.8 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 144.216 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Tgt Ion: 43 Resp: 982523

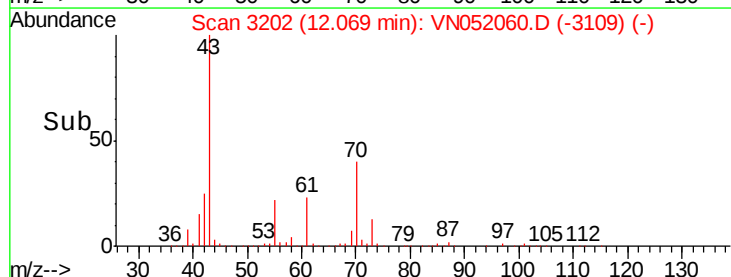
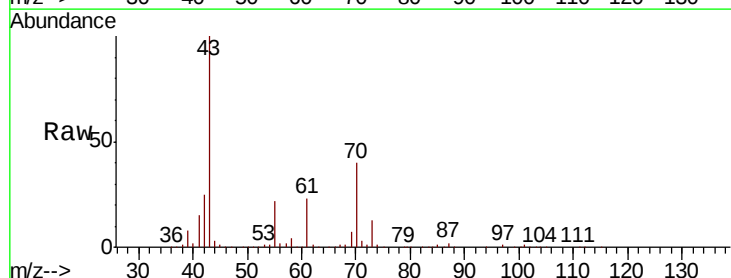
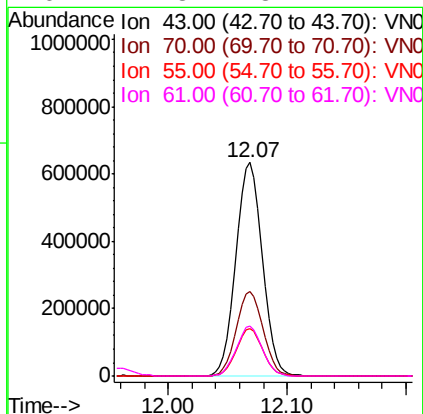
Ion Ratio Lower Upper

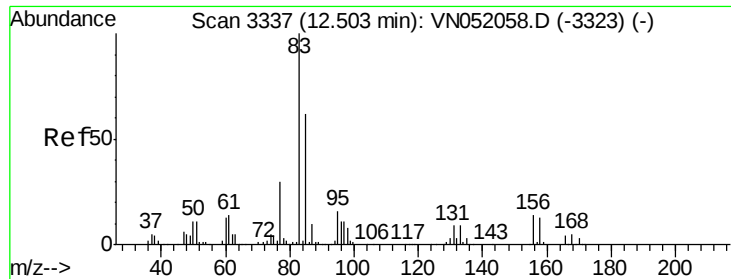
43 100

70 40.0 31.9 47.9

55 22.0 18.4 27.6

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 146.197 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

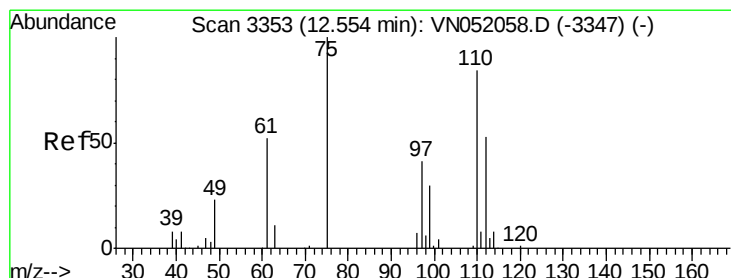
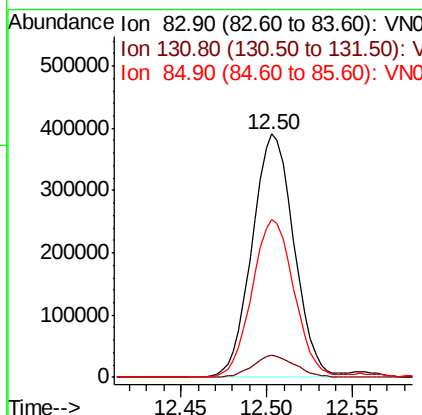
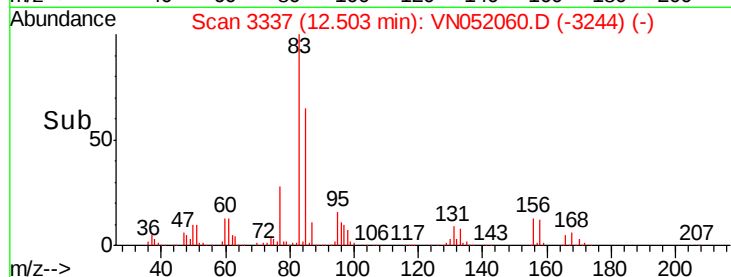
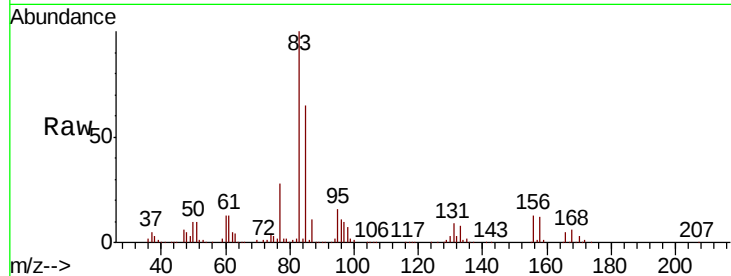
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	660633
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.4
85	65.1	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 177.371 ug/l m

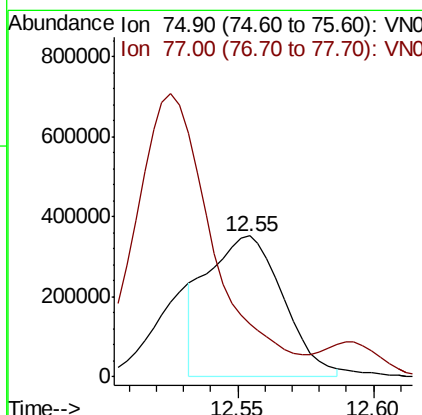
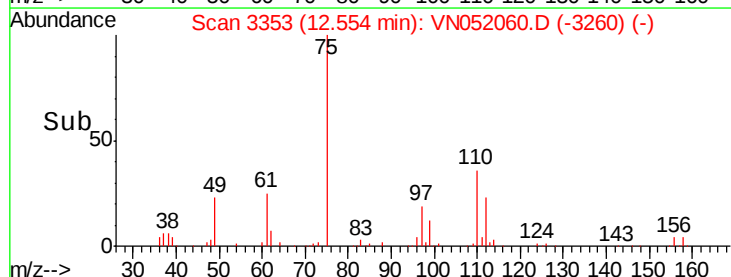
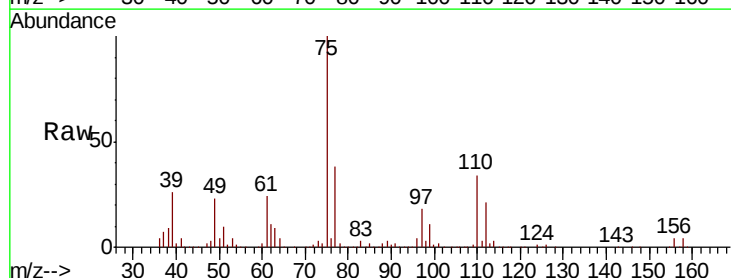
RT: 12.55 min Scan# 3353

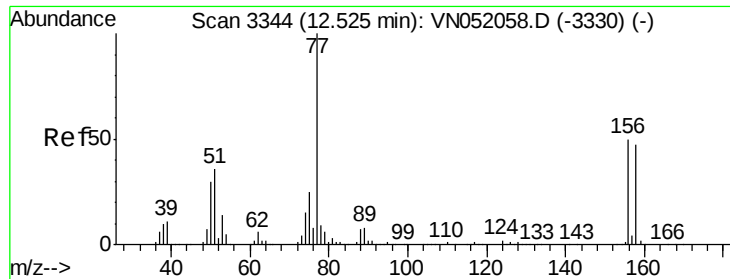
Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Tgt Ion:	75	Resp:	683293
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 158.464 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

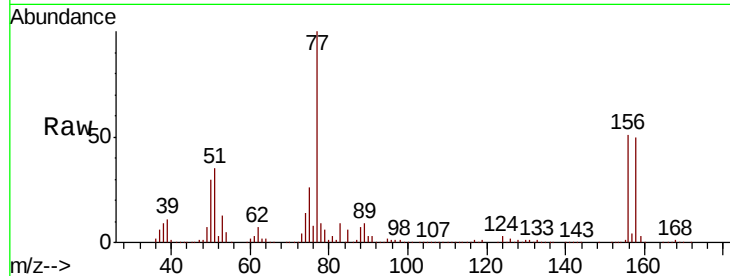
ClientSampleId :

VSTDIC150

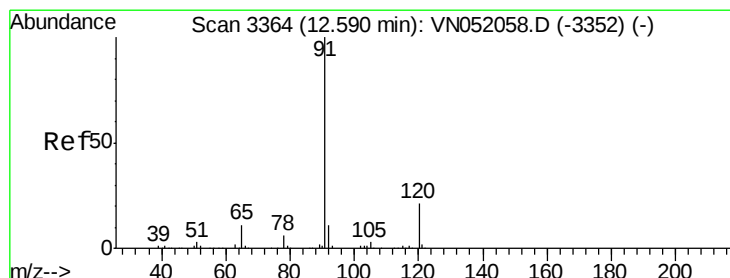
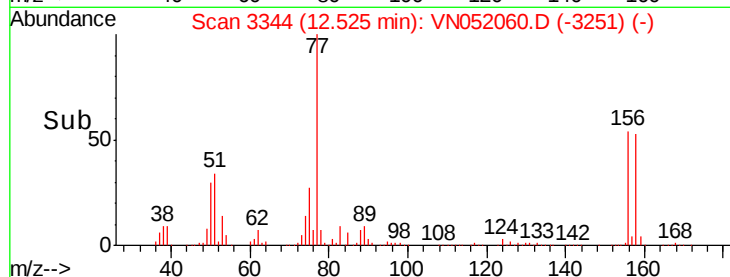
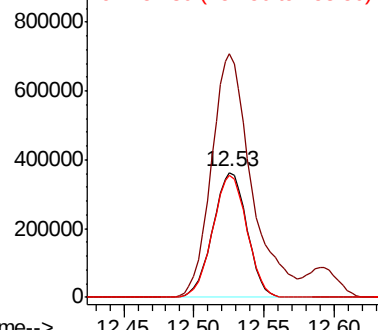
Tot Ion:	156	Resp:	615900
Ion Ratio	Lower	Upper	
156	100		
77	228.6	119.6	358.6
158	98.2	47.8	143.4

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VNO
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 155.315 ug/l

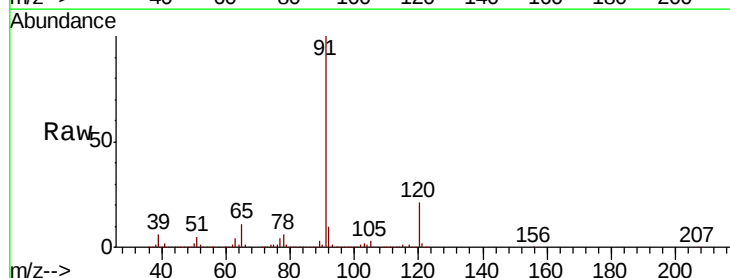
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

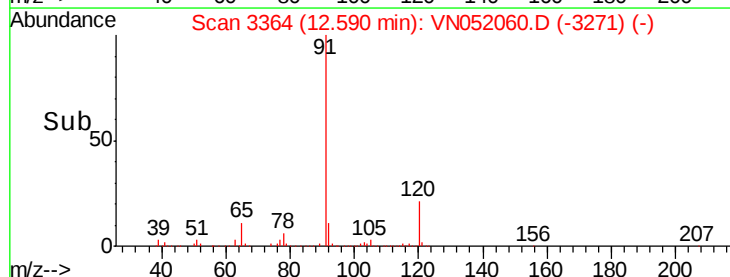
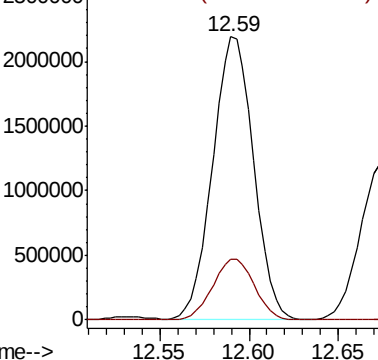
Lab File: VN052060.D

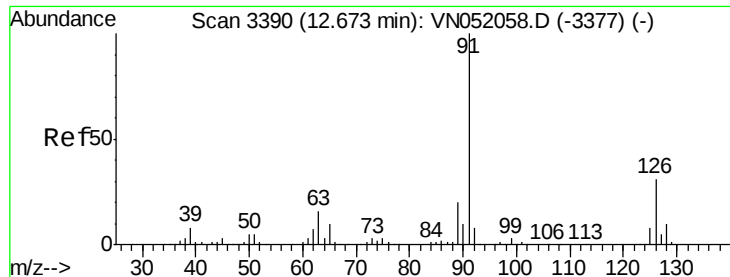
Acq: 30 Oct 2018 11:38

Tgt Ion:	91	Resp:	3499749
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 159.895 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2023325

Ion Ratio Lower Upper

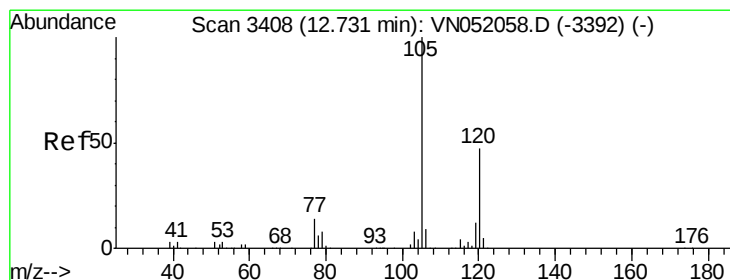
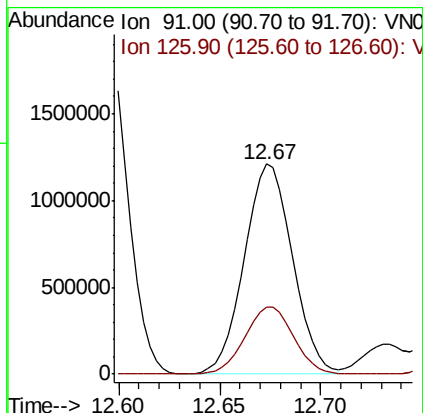
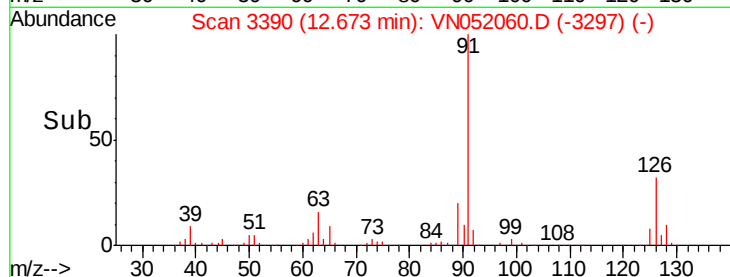
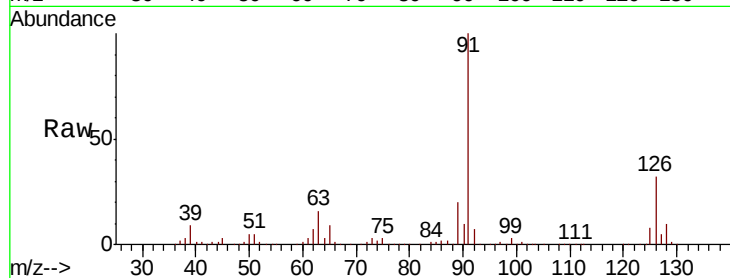
91 100

126 32.5 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 159.764 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052060.D

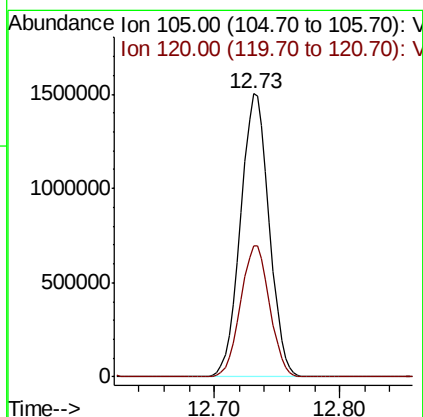
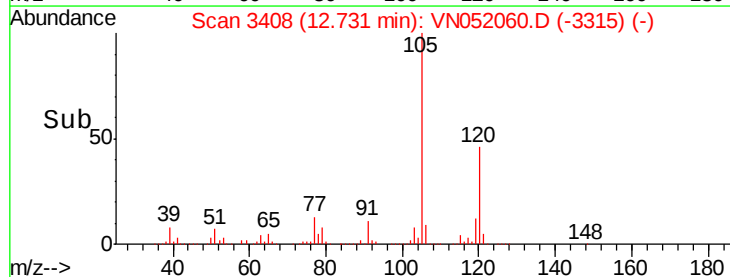
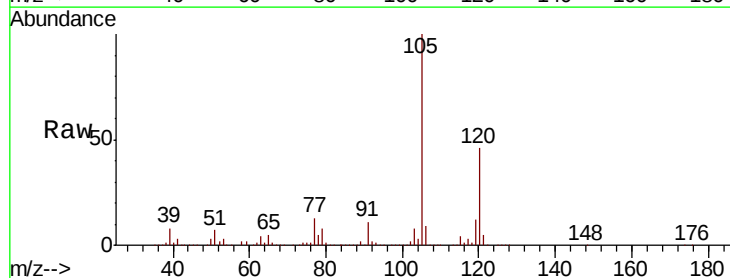
Acq: 30 Oct 2018 11:38

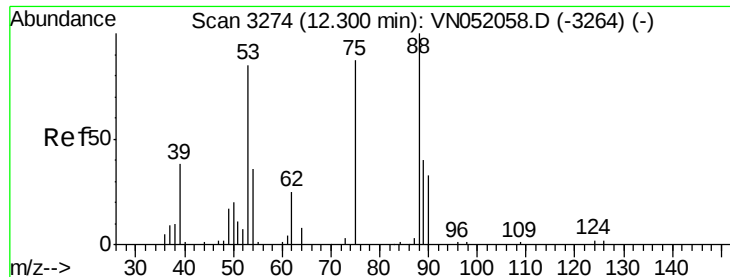
Tgt Ion:105 Resp: 2380052

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





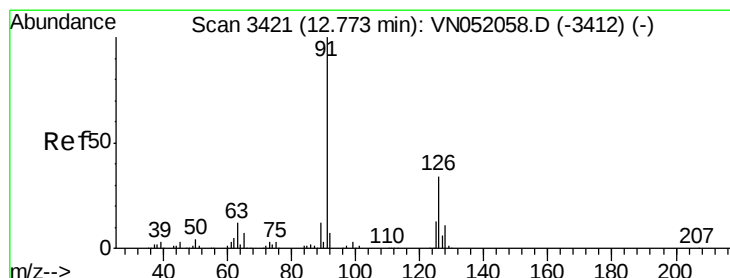
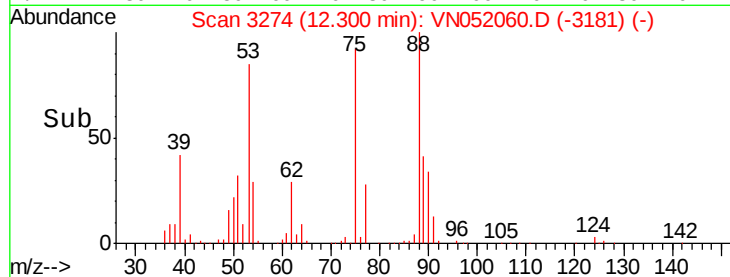
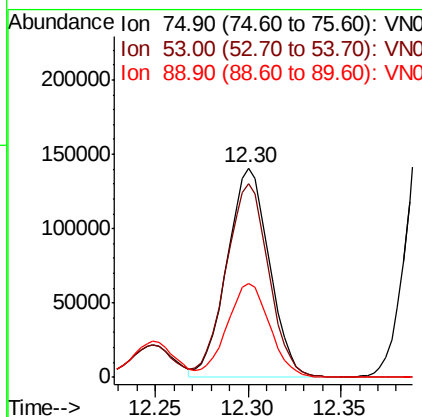
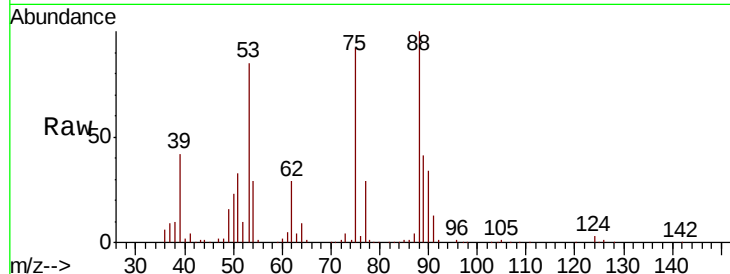
#81
trans-1,4-Dichloro-2-butene
Concen: 187.355 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	81.8	122.6
89	45.8	36.6	54.8

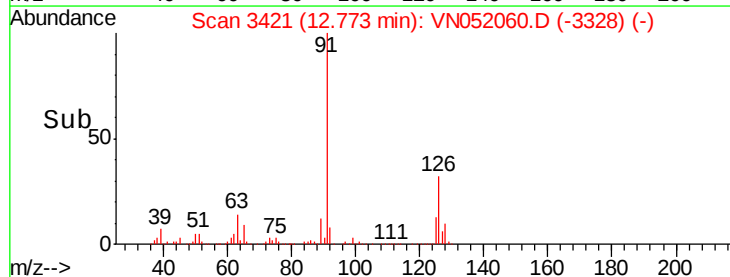
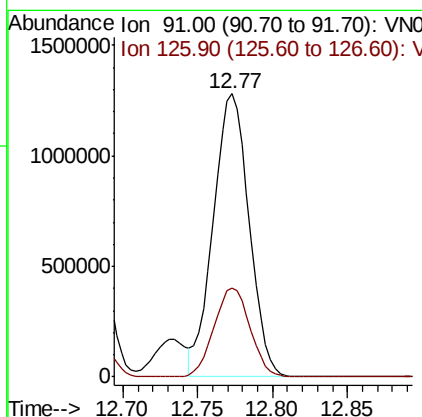
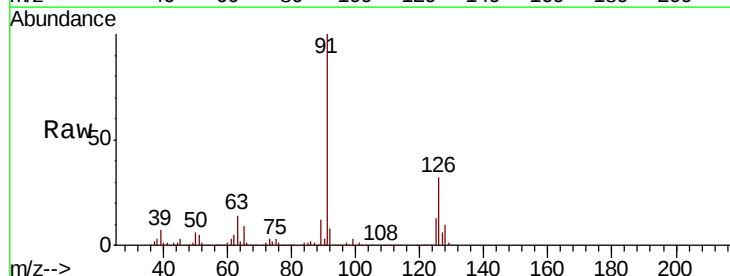
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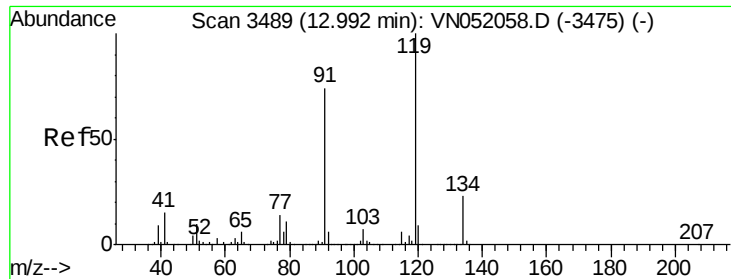
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#82
4-Chlorotoluene
Concen: 166.556 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052060.D
Acq: 30 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1





#83

tert-Butylbenzene

Concen: 157.186 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1992672

Ion Ratio Lower Upper

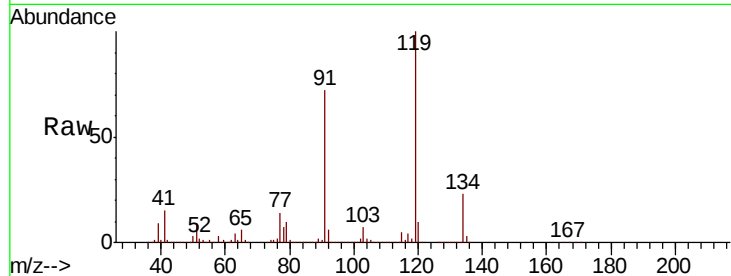
119 100

91 71.2 36.6 109.9

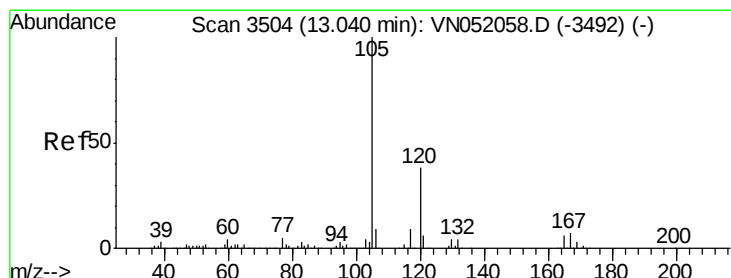
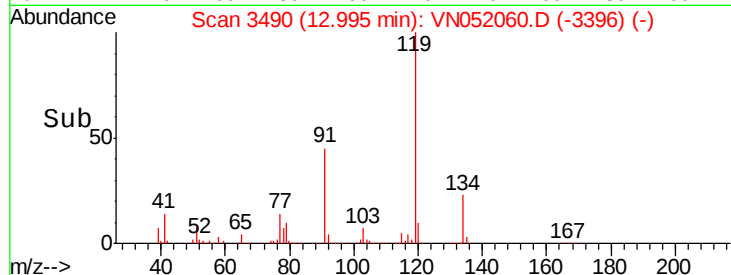
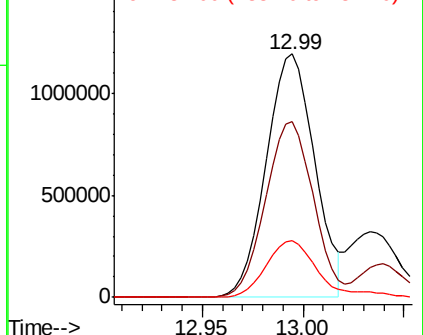
134 25.2 12.5 37.5

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 164.777 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052060.D

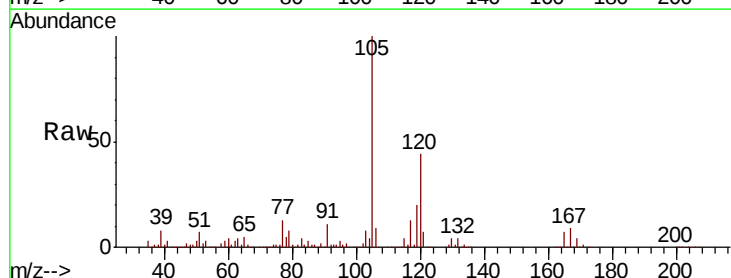
Acq: 30 Oct 2018 11:38

Tgt Ion:105 Resp: 2399764

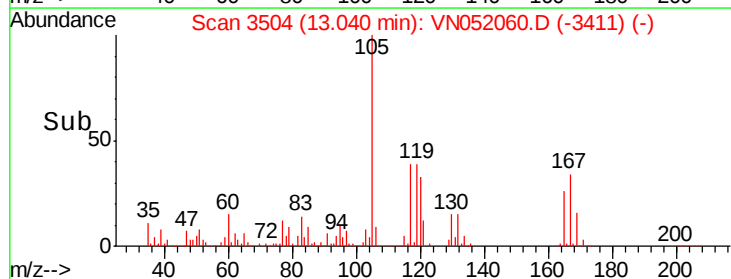
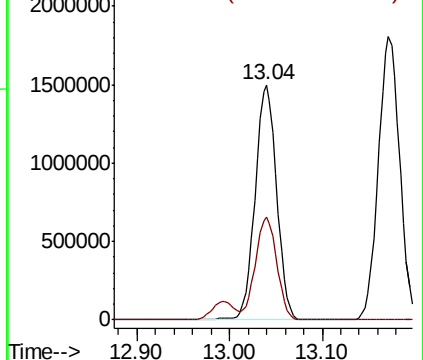
Ion Ratio Lower Upper

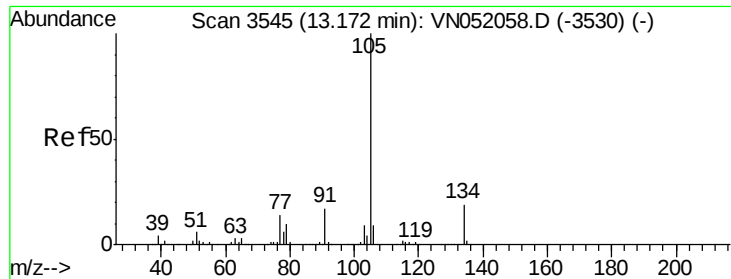
105 100

120 43.9 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 160.252 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2873648

Ion Ratio Lower Upper

105 100

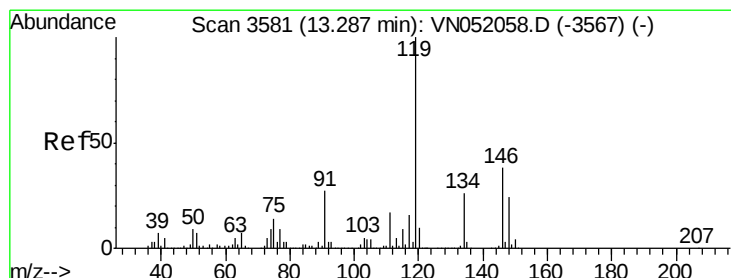
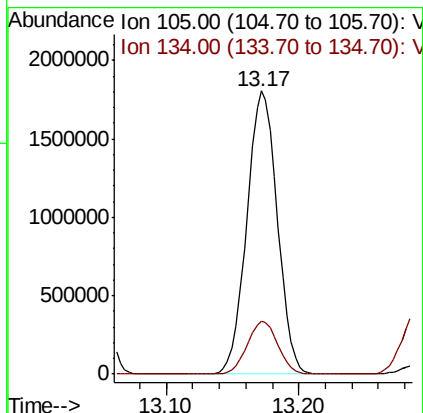
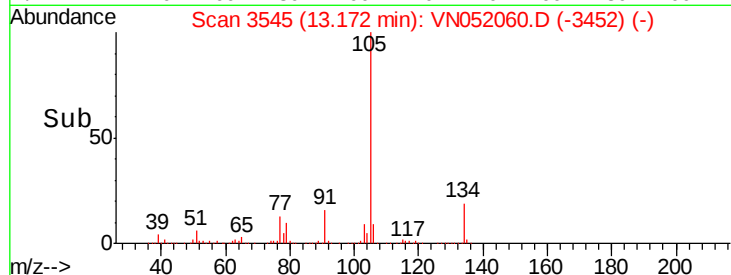
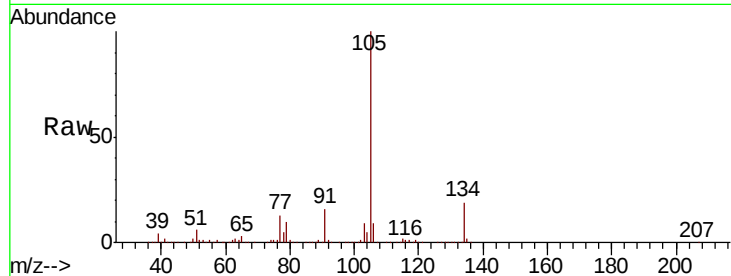
134 18.7 9.1 27.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 165.058 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

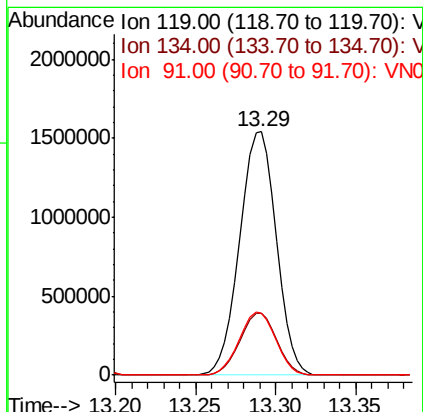
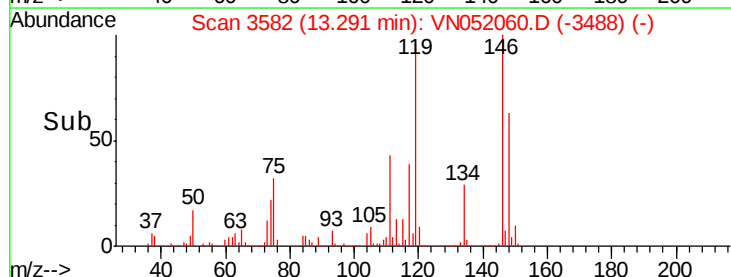
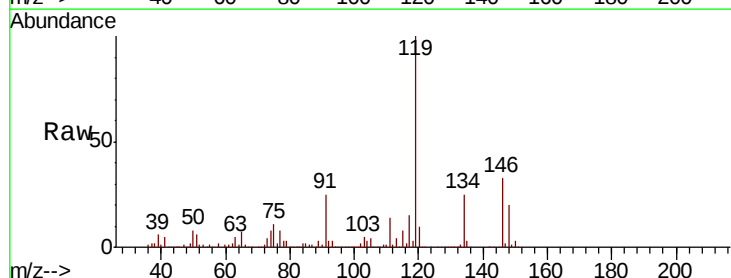
Tgt Ion:119 Resp: 2400669

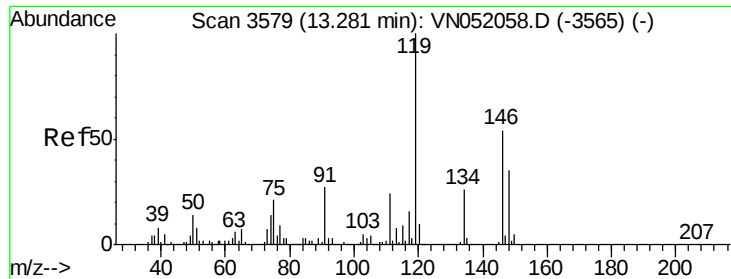
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 25.8 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 156.797 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1114015

Ion Ratio Lower Upper

146 100

111 44.7 22.9 68.8

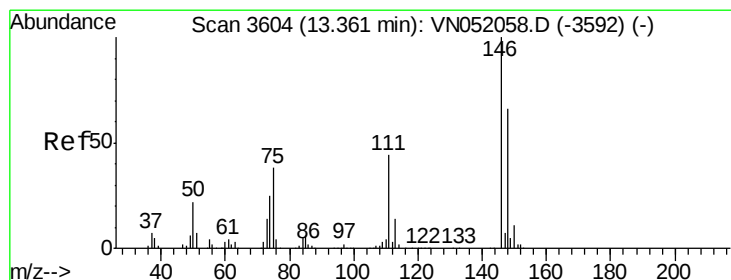
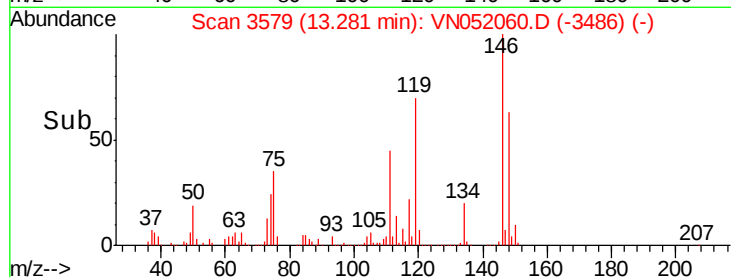
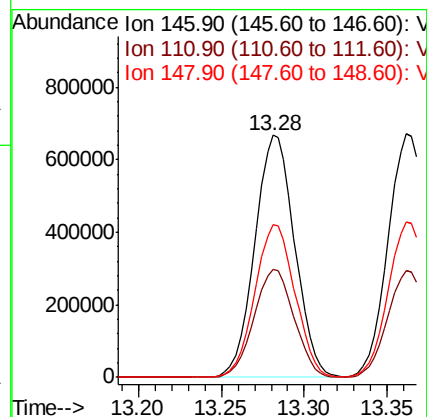
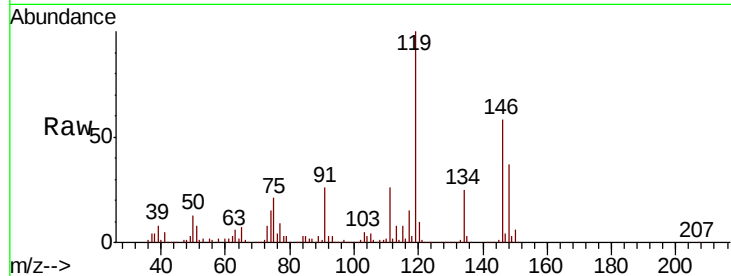
148 63.4 31.8 95.4

Manual Integrations

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#88

1,4-Dichlorobenzene

Concen: 155.673 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

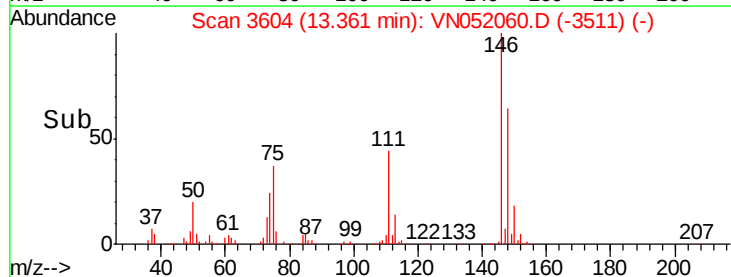
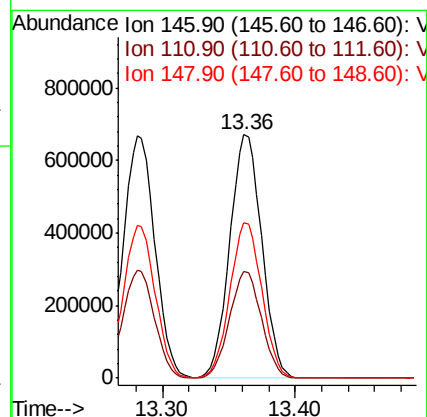
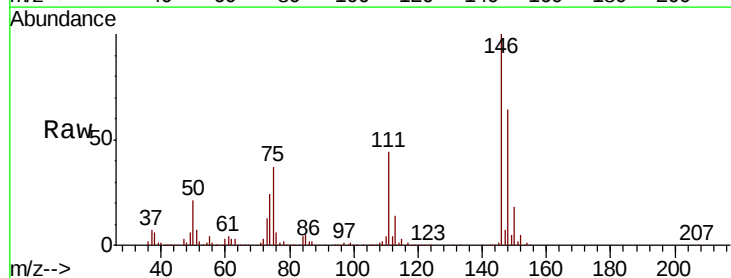
Tgt Ion:146 Resp: 1125725

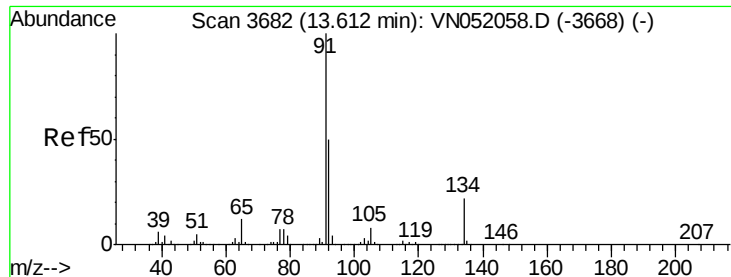
Ion Ratio Lower Upper

146 100

111 43.6 21.9 65.8

148 63.6 32.6 98.0





#89

n-Butylbenzene

Concen: 161.683 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2271988

Ion Ratio Lower Upper

91 100

92 51.9 25.3 75.8

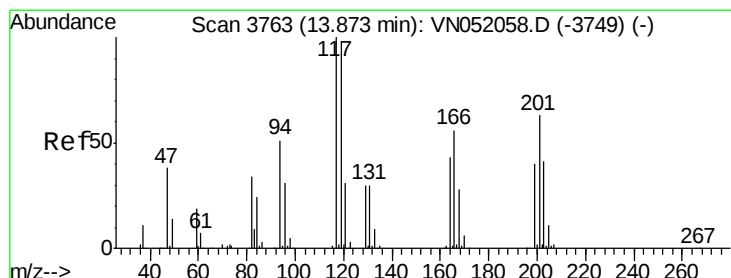
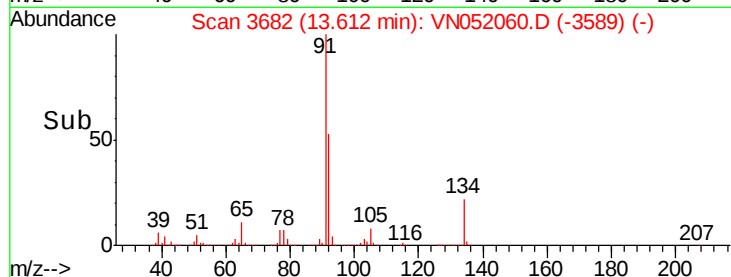
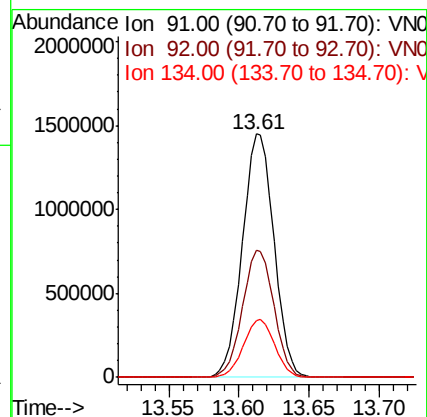
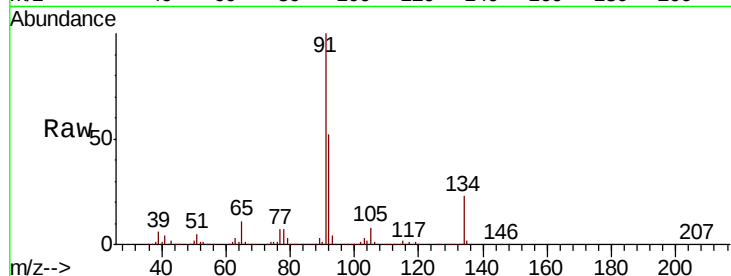
134 23.6 11.2 33.5

Manual Integrations

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#90

Hexachloroethane

Concen: 174.041 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052060.D

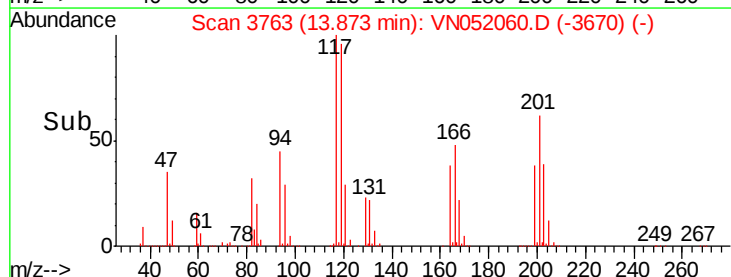
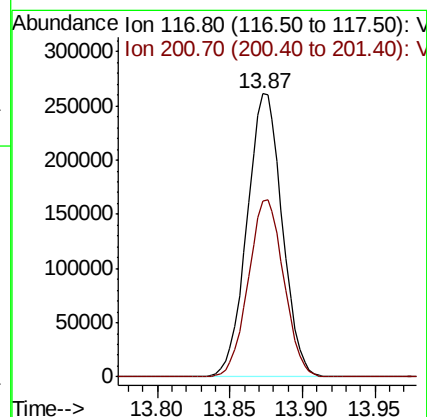
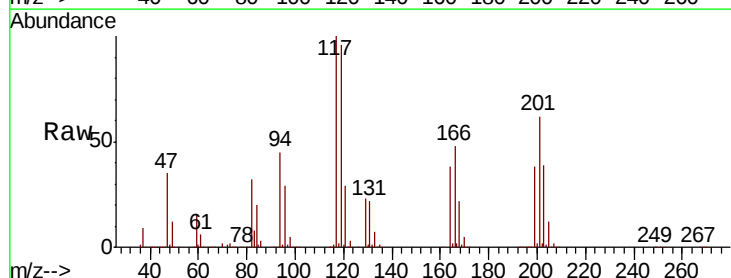
Acq: 30 Oct 2018 11:38

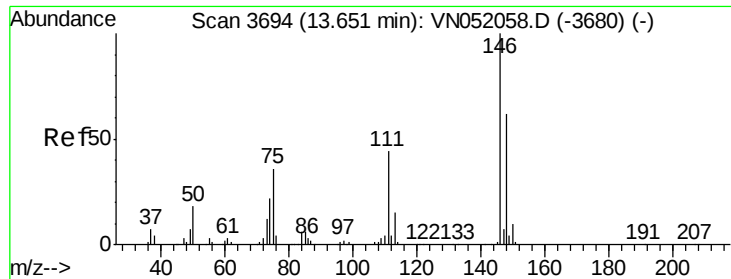
Tgt Ion: 117 Resp: 441261

Ion Ratio Lower Upper

117 100

201 63.0 31.1 93.5





#91

1,2-Dichlorobenzene

Concen: 161.311 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 1050555

Ion Ratio Lower Upper

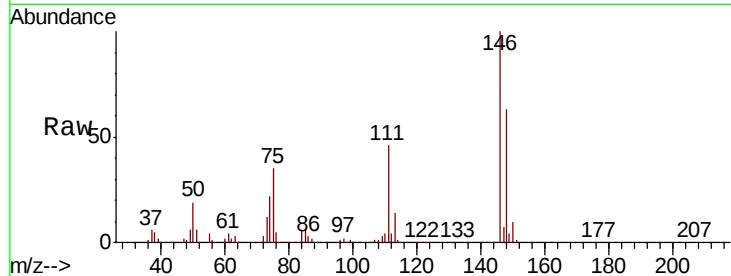
146 100

111 45.9 22.5 67.5

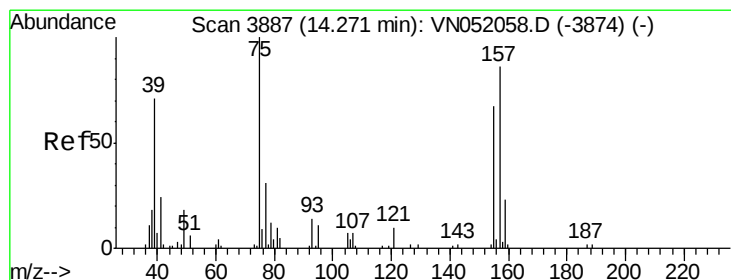
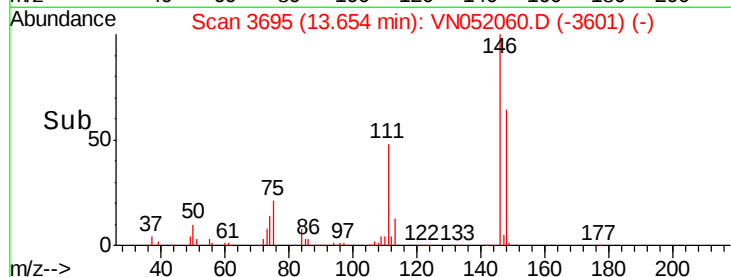
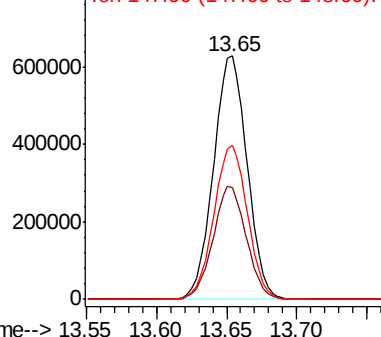
148 63.2 30.9 92.8

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 249.845 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

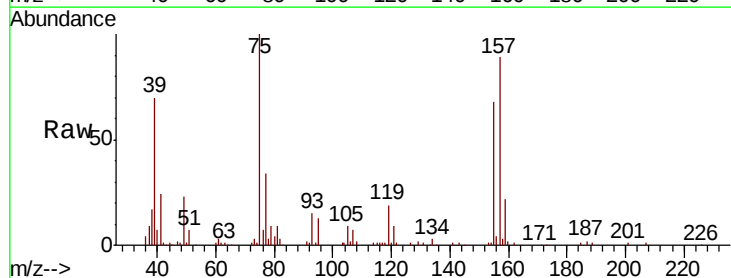
Tgt Ion: 75 Resp: 103220

Ion Ratio Lower Upper

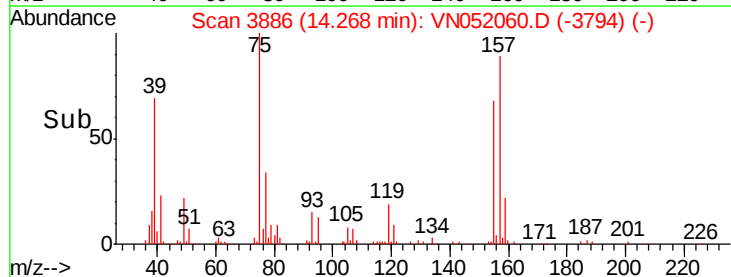
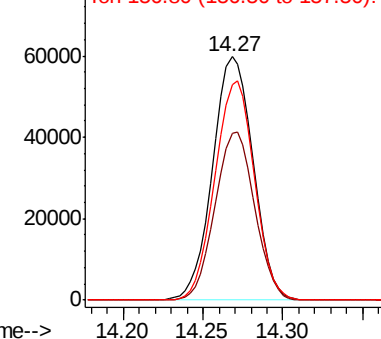
75 100

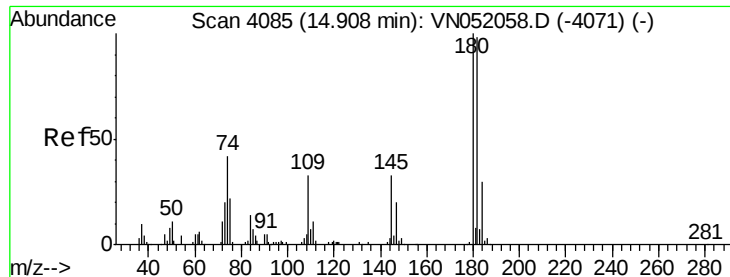
155 67.6 34.0 102.0

157 87.7 42.1 126.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





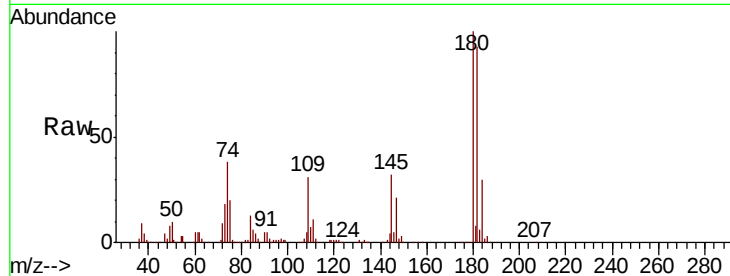
#93
 1,2,4-Trichlorobenzene
 Concen: 191.957 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

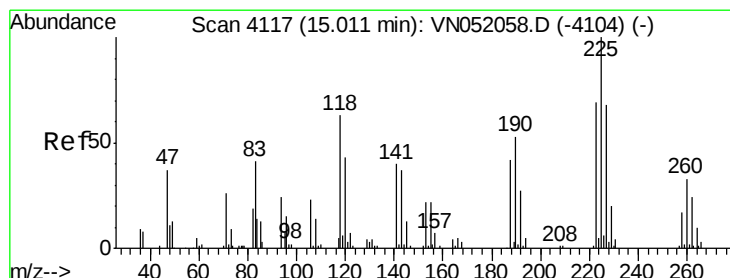
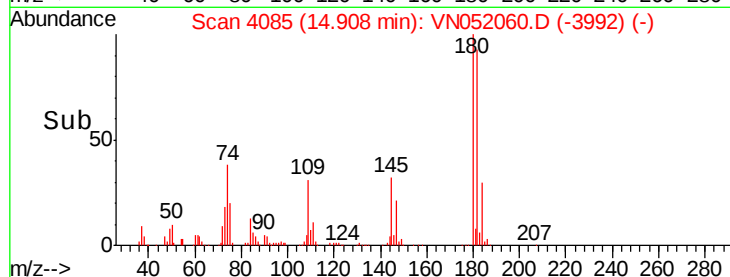
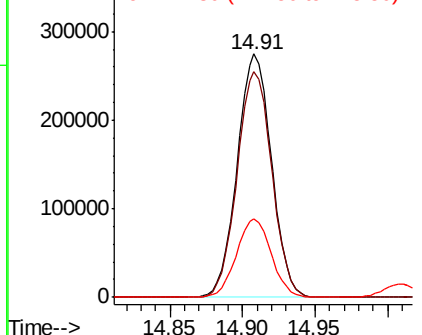
Tot Ion:	180	Resp:	451345
Ion Ratio	Lower	Upper	
180	100		
182	94.1	49.1	147.4
145	32.7	16.4	49.2

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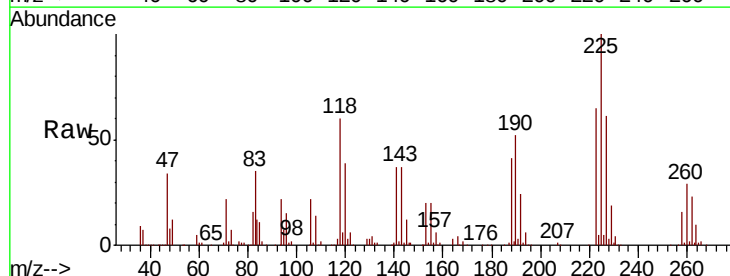


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

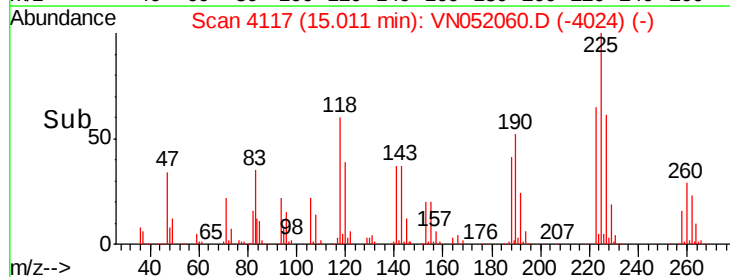
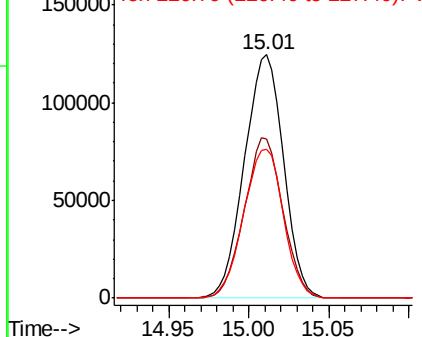


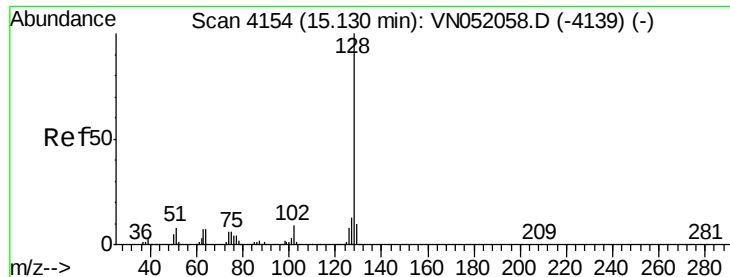
#94
 Hexachlorobutadiene
 Concen: 151.654 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052060.D
 Acq: 30 Oct 2018 11:38

Tgt Ion:	225	Resp:	208838
Ion Ratio	Lower	Upper	
225	100		
223	64.8	33.1	99.3
227	62.1	32.6	97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 181.975 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1134223

Ion Ratio Lower Upper

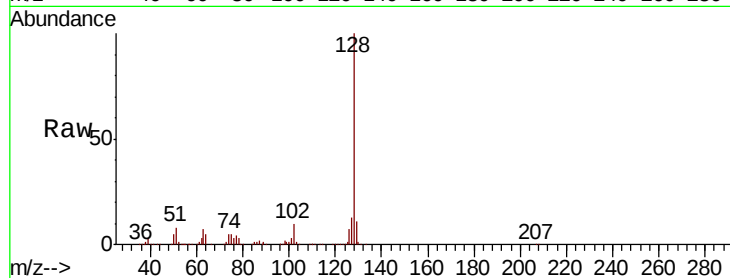
128 100

127 13.3 10.5 15.7

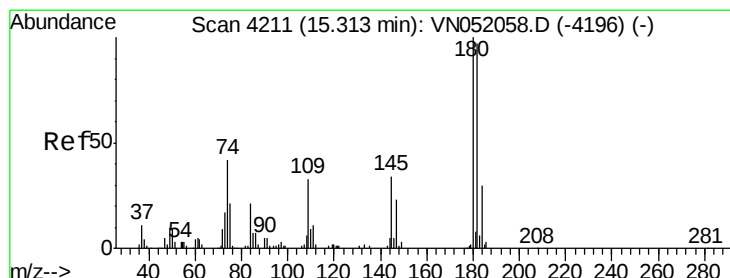
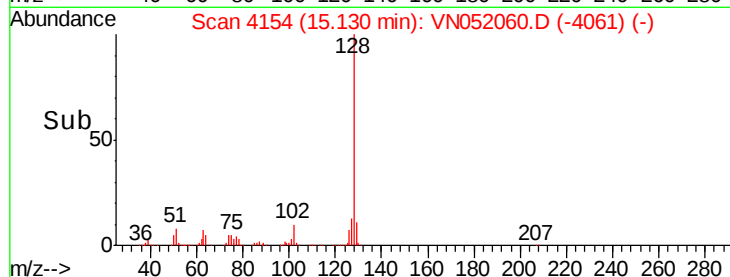
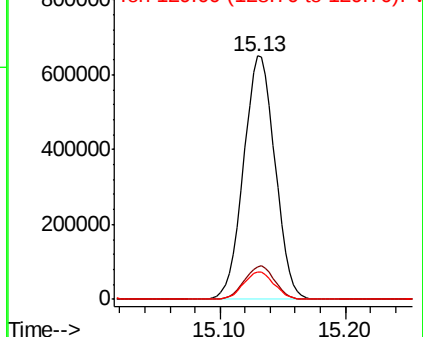
129 10.9 8.6 12.8

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 178.039 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052060.D

Acq: 30 Oct 2018 11:38

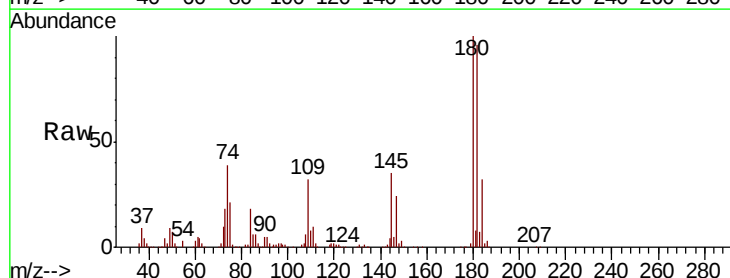
Tgt Ion:180 Resp: 380134

Ion Ratio Lower Upper

180 100

182 94.0 47.2 141.6

145 34.3 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

