

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070167.D
 Acq On : 17 Dec 2021 16:36
 Operator : JC/MD
 Sample : M5039-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 05:46:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	936725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1585827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1483012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	720949	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	764419	52.853	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.700%	
35) Dibromofluoromethane	8.024	113	495129	49.845	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.700%	
50) Toluene-d8	10.443	98	2030386	50.906	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	12.731	95	770592	53.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 106.660%	

Target Compounds				Qvalue		
3) Chloromethane	2.263	50	10119	0.739	ug/l #	73
8) Diethyl Ether	3.824	74	15881	2.496	ug/l	76
11) Tert butyl alcohol	5.388	59	3855437	1410.250	ug/l	99
13) Acrolein	3.977	56	42574	18.287	ug/l #	1
14) Allyl chloride	4.945	41	70874	3.525	ug/l #	1
15) Acrylonitrile	5.610	53	39364	5.343	ug/l #	1
16) Acetone	4.245	43	86114	9.898	ug/l #	46
17) Carbon Disulfide	4.524	76	13527	0.587	ug/l	96
18) Methyl Acetate	4.924	43	38807	1.478	ug/l #	51
19) Methyl tert-butyl Ether	5.621	73	4326445	124.704	ug/l #	55
20) Methylene Chloride	4.945	84	9607	0.831	ug/l #	1
22) Diisopropyl ether	6.501	45	486102	12.369	ug/l #	87
23) Vinyl Acetate	6.501	43	262837	8.221	ug/l #	72
25) 2-Butanone	7.340	43	48091	4.068	ug/l #	89
26) 2,2-Dichloropropane	7.147	77	18329	1.158	ug/l #	52
29) Tetrahydrofuran	7.697	42	1665	0.232	ug/l	98
31) Cyclohexane	8.094	56	841337	41.800	ug/l	88
36) 1,1-Dichloropropene	8.086	75	82137	5.441	ug/l #	49
37) Ethyl Acetate	7.340	43	48091	2.140	ug/l #	69
38) Carbon Tetrachloride	8.086	117	97801	6.606	ug/l #	16
39) Methylcyclohexane	9.462	83	500496	27.872	ug/l	88
41) Methacrylonitrile	7.657	41	6753	0.640	ug/l #	1
42) 1,2-Dichloroethane	8.461	62	229371	12.314	ug/l	79
43) Isopropyl Acetate	8.539	43	848416	25.516	ug/l #	56
47) Bromodichloromethane	9.751	83	14199	0.923	ug/l #	25
48) Methyl methacrylate	9.590	41	19930	1.284	ug/l #	8
51) 4-Methyl-2-Pentanone	10.371	43	16994	0.788	ug/l #	67
52) Toluene	10.505	92	1807528	64.161	ug/l	98
53) t-1,3-Dichloropropene	10.883	75	976	2.844	ug/l #	1
54) cis-1,3-Dichloropropene	10.188	75	292	2.013	ug/l #	1
55) 1,1,2-Trichloroethane	10.878	97	57355	5.046	ug/l #	21
56) Ethyl methacrylate	10.778	69	4948	2.499	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.971	63	21679	21.857	ug/l #	45
59) 2-Hexanone	11.213	43	76563	4.692	ug/l	80
60) Dibromochloromethane	11.221	129	97	2.384	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.881	131	4516	0.426	ug/l #	14

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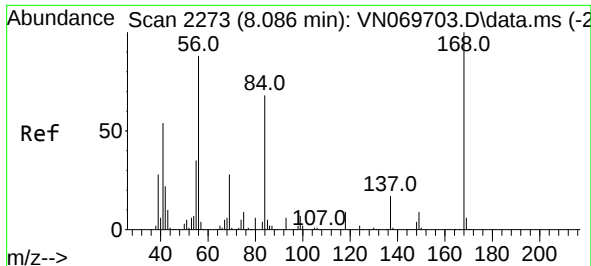
Quant Time: Dec 18 05:46:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Ethyl Benzene	11.846	91	5944506	108.773	ug/l	97
68) m/p-Xylenes	11.953	106	8698324	437.132	ug/l	97
69) o-Xylene	12.280	106	1990067	99.288	ug/l	91
70) Styrene	12.280	104	106212	3.342	ug/l #	1
71) Bromoform	12.452	173	618	2.795	ug/l #	29
73) Isopropylbenzene	12.578	105	2302443	35.895	ug/l	98
74) N-amyl acetate	12.396	43	14193	0.500	ug/l #	32
75) 1,1,2,2-Tetrachloroethane	12.841	83	23955	1.080	ug/l #	34
76) 1,2,3-Trichloropropane	12.921	75	51384	2.485	ug/l #	1
78) n-propylbenzene	12.921	91	7471295	104.672	ug/l	96
79) 2-Chlorotoluene	13.015	91	414411	9.188	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.061	105	2903666	56.241	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.578	75	29795	8.394	ug/l #	73
82) 4-Chlorotoluene	13.061	91	326472	7.697	ug/l #	38
83) tert-Butylbenzene	13.369	119	1791573	39.190	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.367	105	14465235	294.195	ug/l	99
85) sec-Butylbenzene	13.367	105	14456633	233.137	ug/l #	56
86) p-Isopropyltoluene	13.616	119	188977	3.899	ug/l #	76
89) n-Butylbenzene	13.943	91	270531	6.881	ug/l #	70
90) Hexachloroethane	14.217	117	274886	32.302	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.581	75	16216	4.046	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	2921	3.111	ug/l #	84
95) Naphthalene	15.507	128	10219027	270.911	ug/l	100
96) 1,2,3-Trichlorobenzene	15.703	180	3319	2.709	ug/l #	81

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

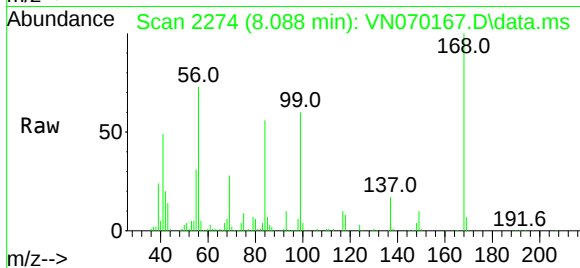
Quant Time: Dec 18 05:46:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
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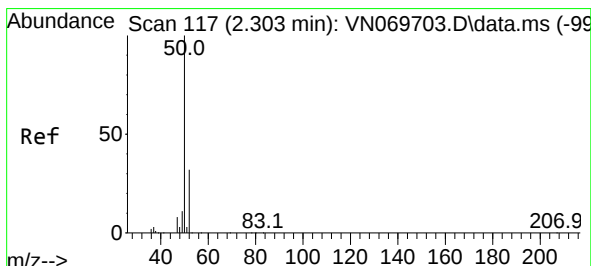
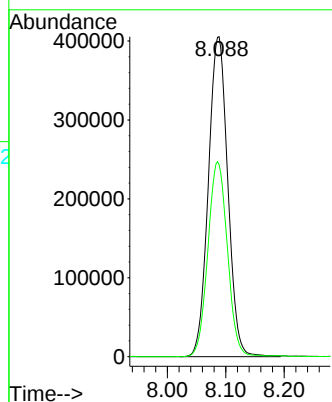
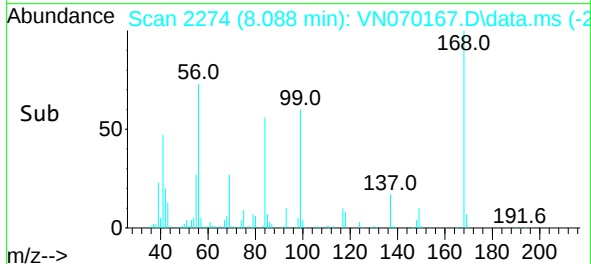


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Instrument :
MSVOA_N
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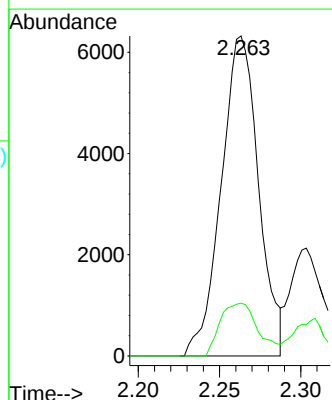
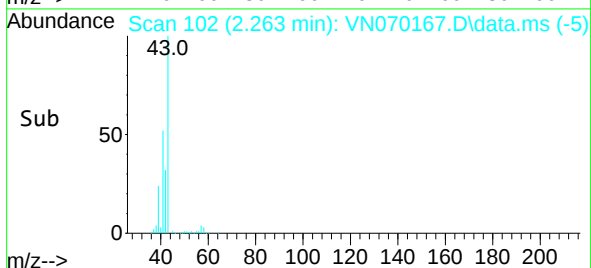
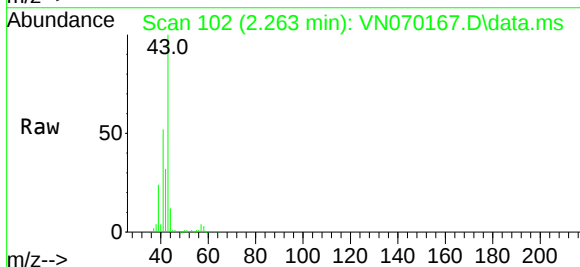


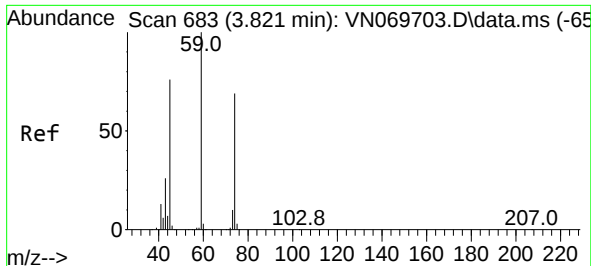
Tgt Ion:168 Resp: 936725
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9



#3
Chloromethane
Concen: 0.739 ug/l
RT: 2.263 min Scan# 102
Delta R.T. -0.040 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 50 Resp: 10119
Ion Ratio Lower Upper
50 100
52 16.5 25.4 38.0#

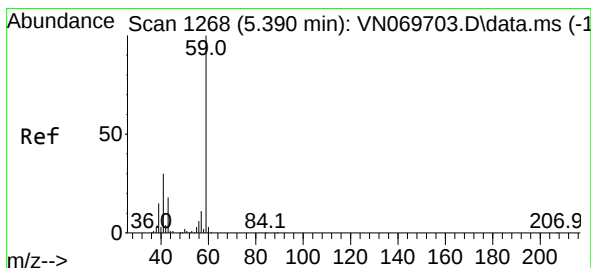
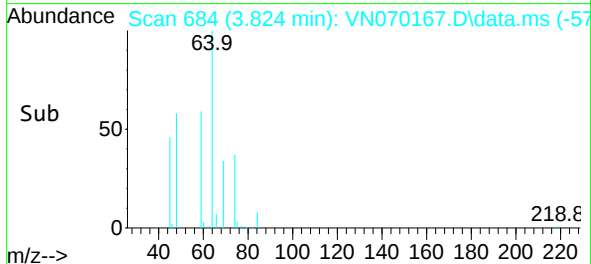
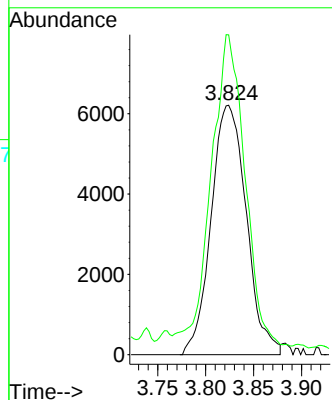
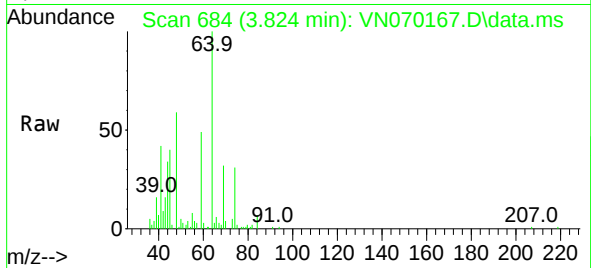




#8
Diethyl Ether
Concen: 2.496 ug/l
RT: 3.824 min Scan# 61
Delta R.T. 0.003 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

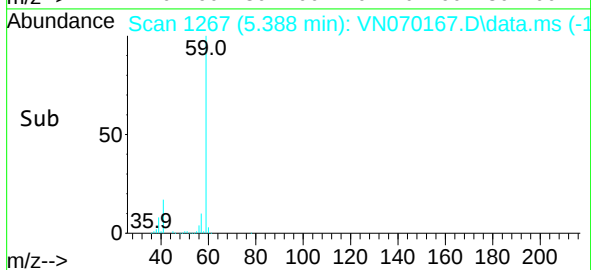
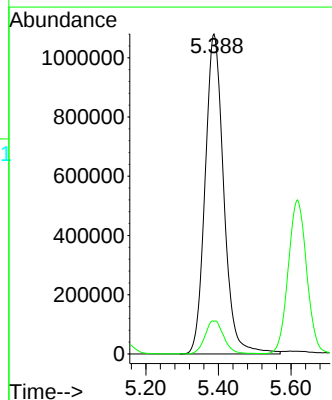
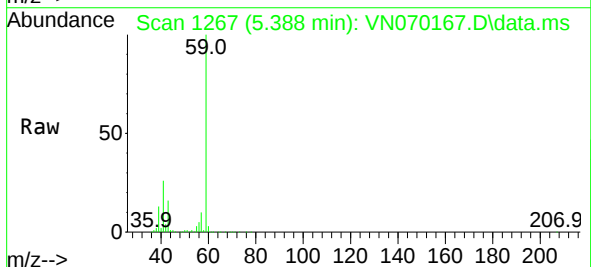
Instrument :
MSVOA_N
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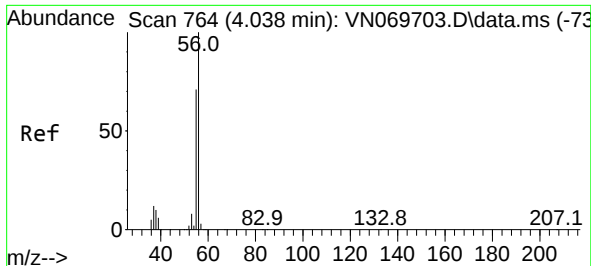
Tgt Ion: 74 Resp: 15881
Ion Ratio Lower Upper
74 100
45 117.1 47.0 141.2



#11
Tert butyl alcohol
Concen: 1410.250 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 59 Resp: 3855437
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

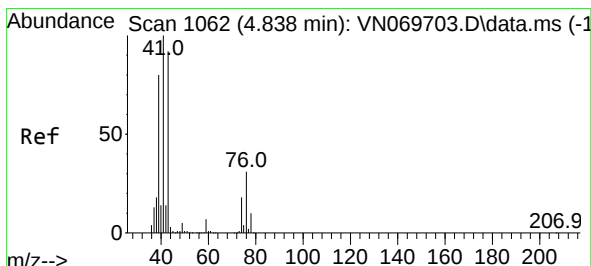
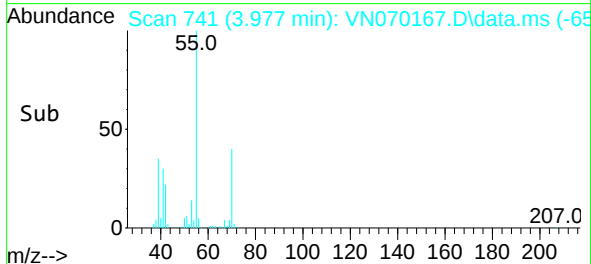
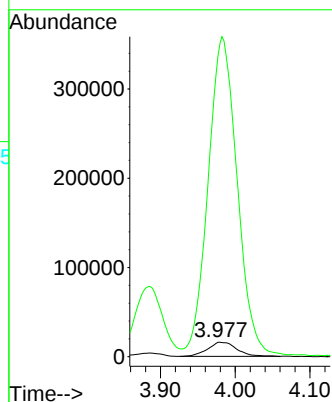
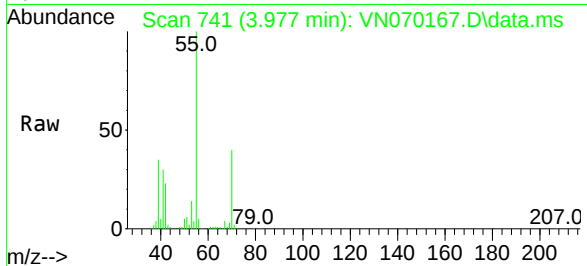




#13
Acrolein
Concen: 18.287 ug/l
RT: 3.977 min Scan# 741
Delta R.T. -0.061 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

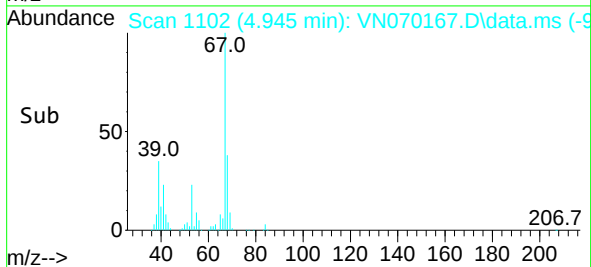
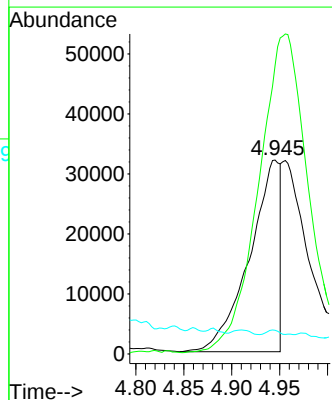
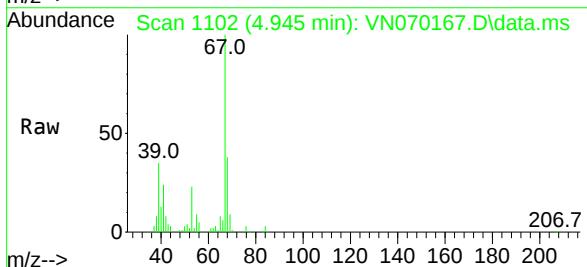
Instrument :
MSVOA_N
ClientSampleId :

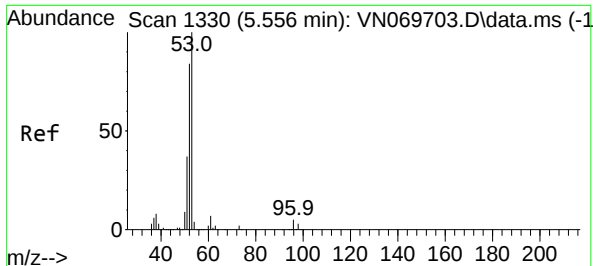
Tgt Ion: 56 Resp: 42574
Ion Ratio Lower Upper
56 100
55 2256.6 56.6 85.0#



#14
Allyl chloride
Concen: 3.525 ug/l
RT: 4.945 min Scan# 1102
Delta R.T. 0.107 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 41 Resp: 70874
Ion Ratio Lower Upper
41 100
39 265.3 61.2 91.8#
76 0.0 26.0 39.0#





#15

Acrylonitrile

Concen: 5.343 ug/l

RT: 5.610 min Scan# 11

Delta R.T. 0.054 min

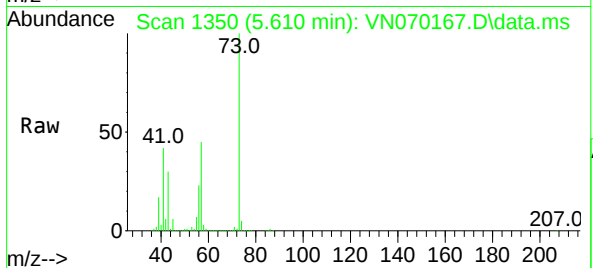
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Instrument :

MSVOA_N

ClientSampleId :



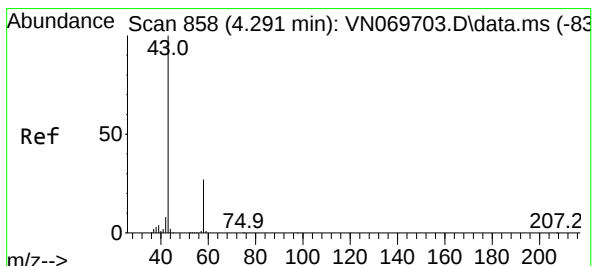
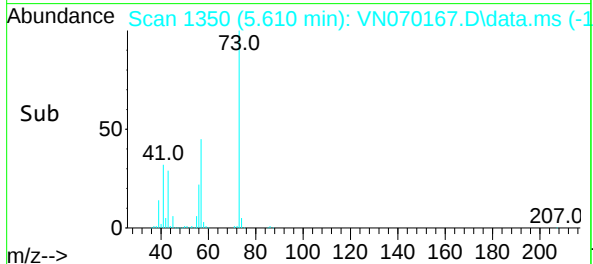
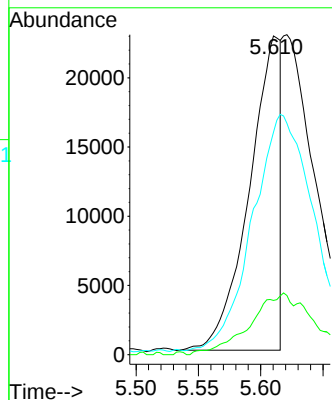
Tgt Ion: 53 Resp: 39364

Ion Ratio Lower Upper

53 100

52 26.3 66.2 99.2#

51 148.0 29.6 44.4#



#16

Acetone

Concen: 9.898 ug/l

RT: 4.245 min Scan# 841

Delta R.T. -0.045 min

Lab File: VN070167.D

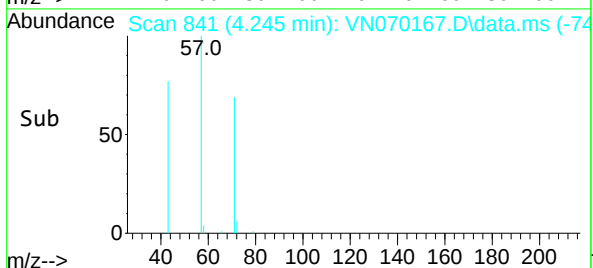
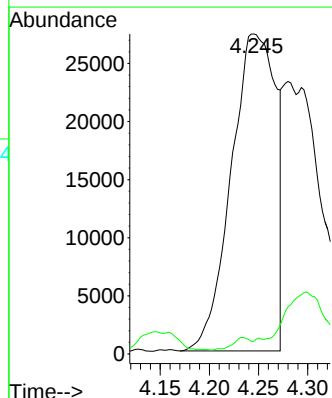
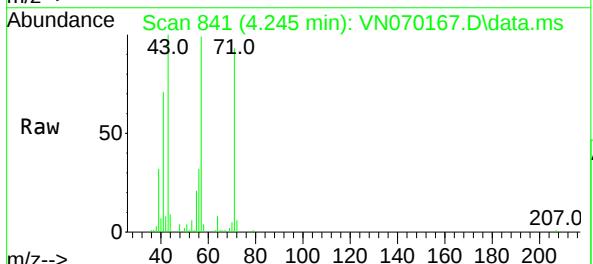
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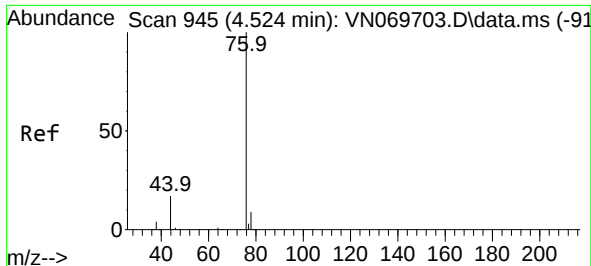
Tgt Ion: 43 Resp: 86114

Ion Ratio Lower Upper

43 100

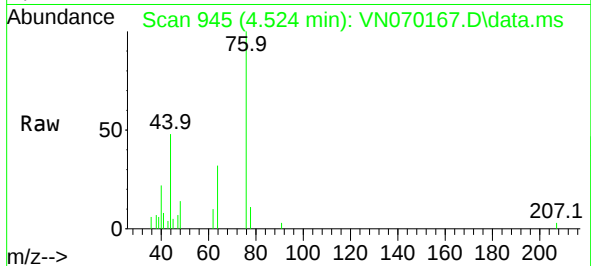
58 0.0 23.1 34.7#



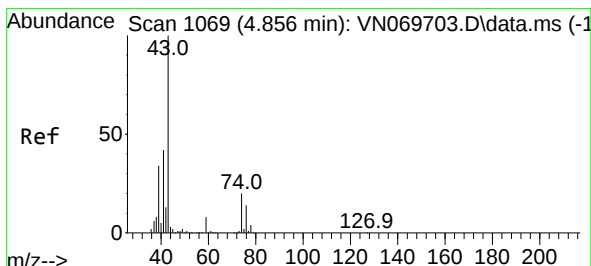
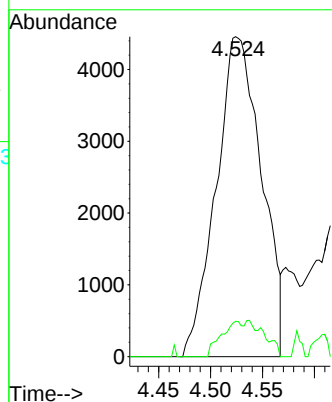
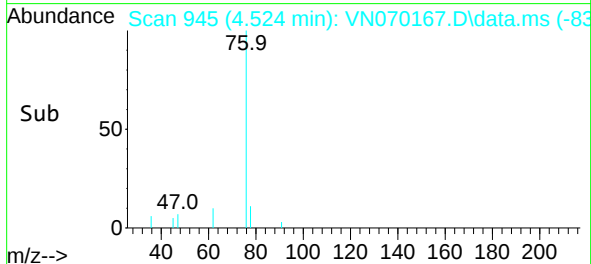


#17
Carbon Disulfide
Concen: 0.587 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

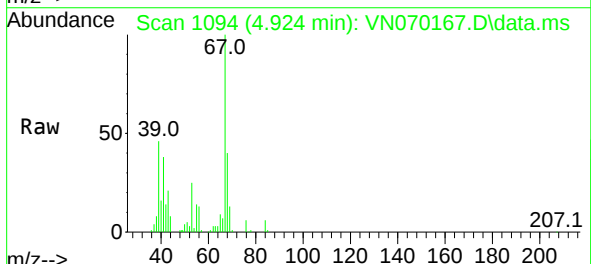
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MSVOA_N
ClientSampleId :



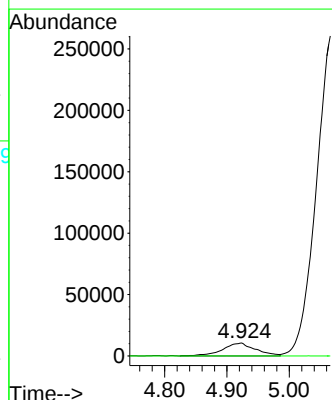
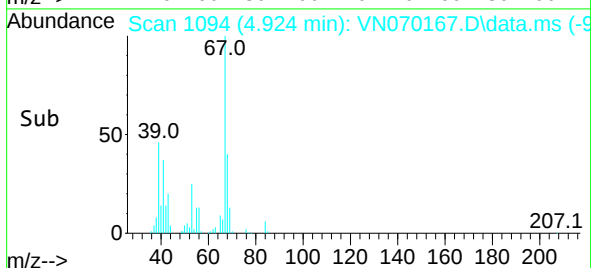
Tgt Ion: 76 Resp: 13527
Ion Ratio Lower Upper
76 100
78 11.0 7.5 11.3

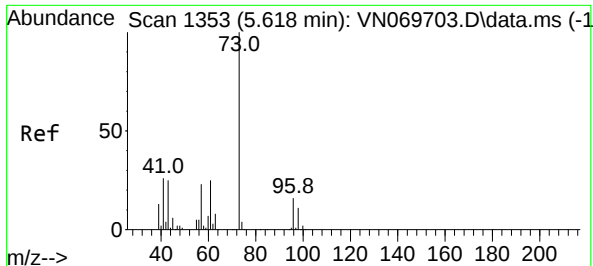


#18
Methyl Acetate
Concen: 1.478 ug/l
RT: 4.924 min Scan# 1094
Delta R.T. 0.067 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36



Tgt Ion: 43 Resp: 38807
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 124.704 ug/l

RT: 5.621 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

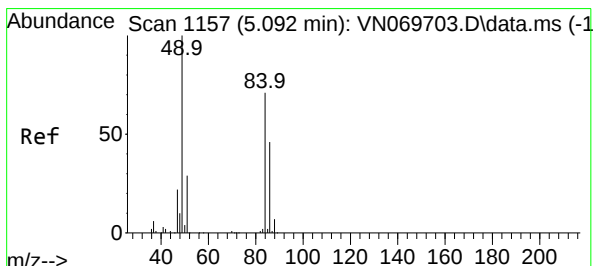
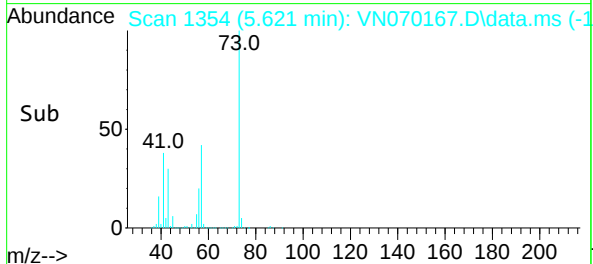
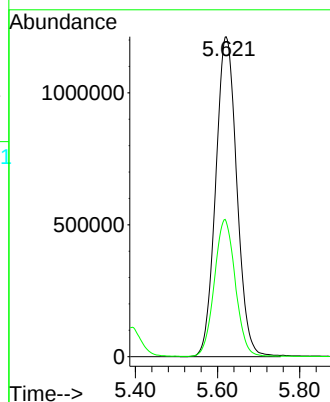
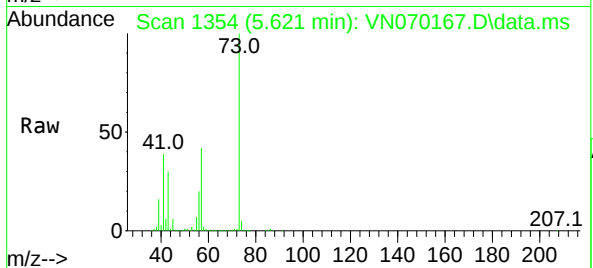
ClientSampleId :

Tgt Ion: 73 Resp: 4326445

Ion Ratio Lower Upper

73 100

57 42.1 16.8 25.2#



#20

Methylene Chloride

Concen: 0.831 ug/l

RT: 4.945 min Scan# 1102

Delta R.T. -0.147 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Tgt Ion: 84 Resp: 9607

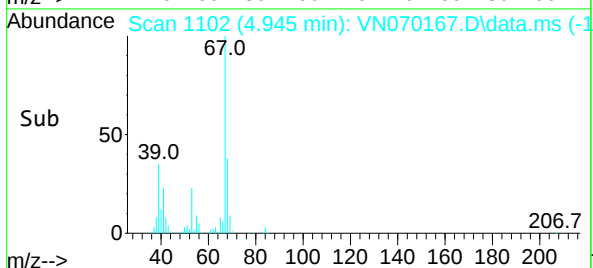
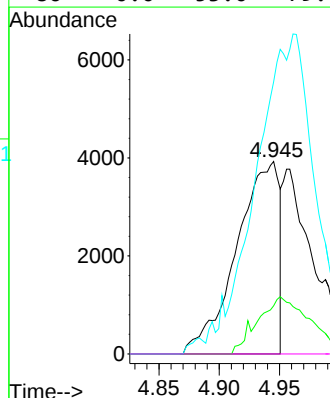
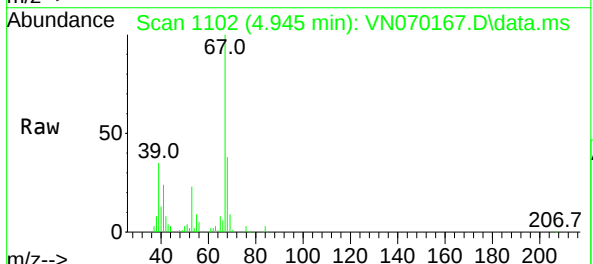
Ion Ratio Lower Upper

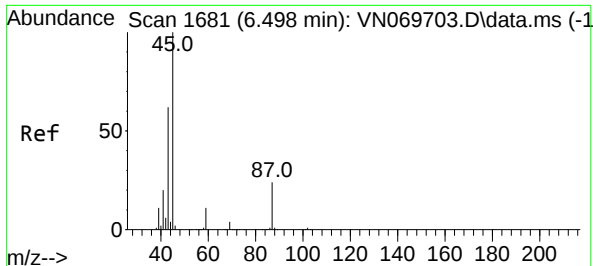
84 100

49 25.0 93.5 140.3#

51 141.5 29.4 44.2#

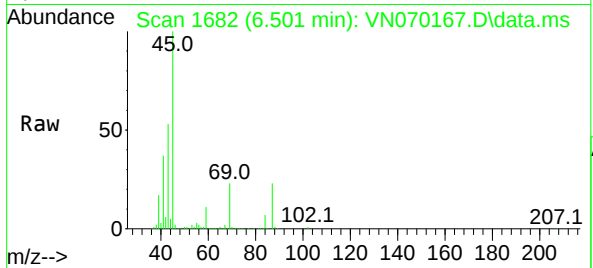
86 0.0 53.0 79.4#



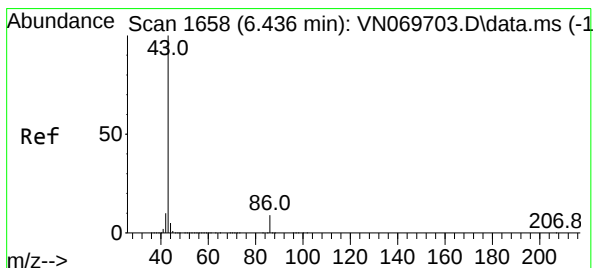
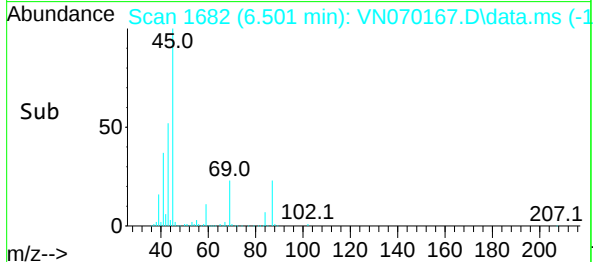
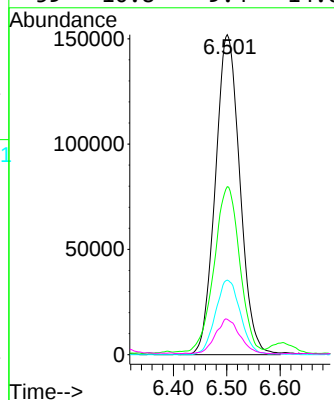


#22
Diisopropyl ether
Concen: 12.369 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Instrument :
MSVOA_N
ClientSampleId :

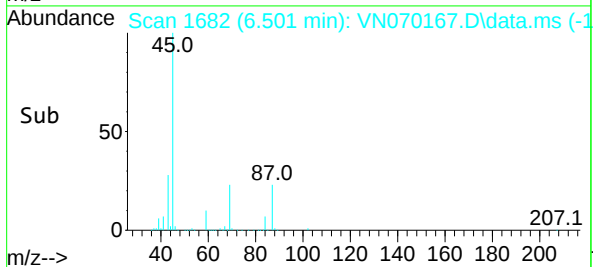
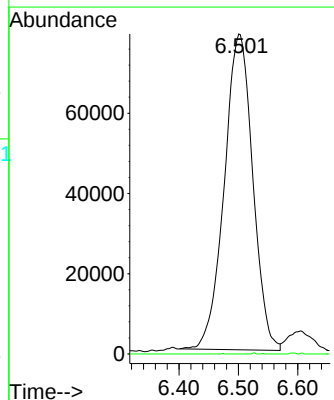
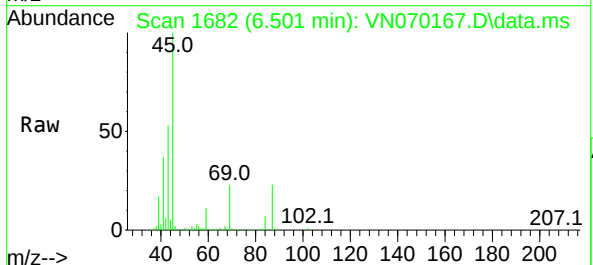


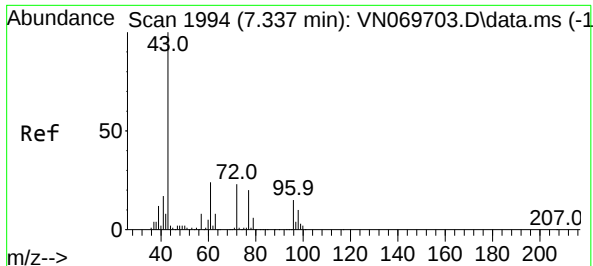
Tgt Ion: 45 Resp: 486102
Ion Ratio Lower Upper
45 100
43 51.5 51.7 77.5#
87 23.3 23.2 34.8
59 10.8 9.4 14.0



#23
Vinyl Acetate
Concen: 8.221 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.065 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 43 Resp: 262837
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#





#25

2-Butanone

Concen: 4.068 ug/l

RT: 7.340 min Scan# 1994

Delta R.T. 0.003 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

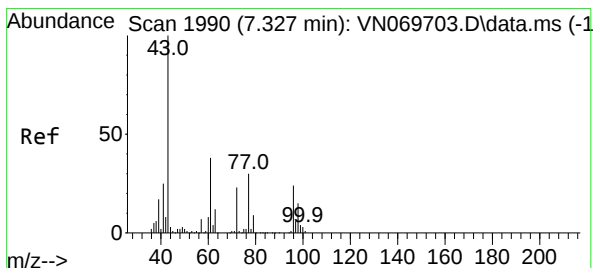
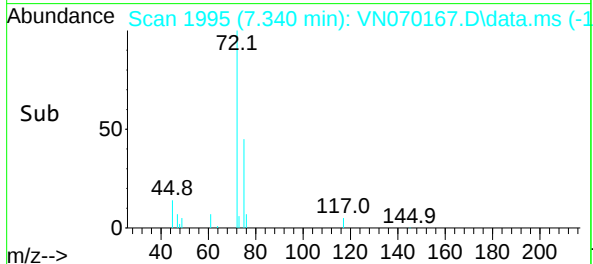
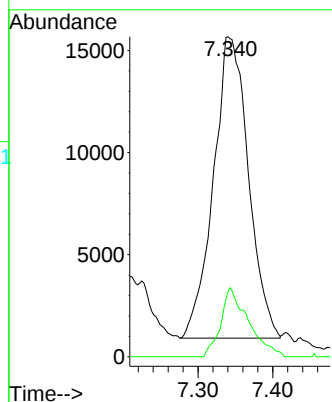
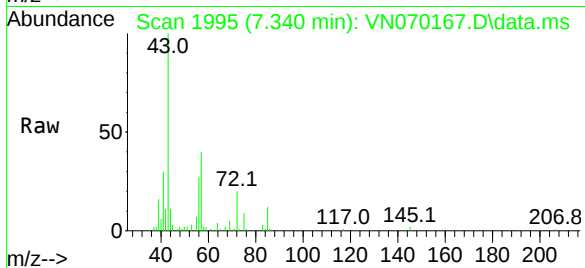
ClientSampleId :

Tgt Ion: 43 Resp: 48091

Ion Ratio Lower Upper

43 100

72 21.6 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 1.158 ug/l

RT: 7.147 min Scan# 1923

Delta R.T. -0.179 min

Lab File: VN070167.D

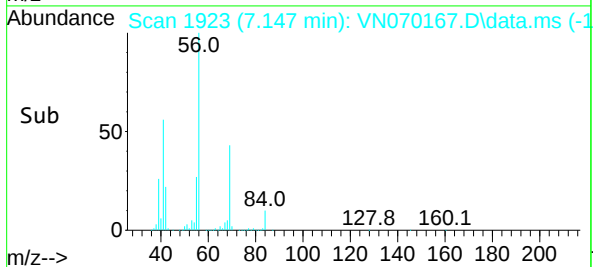
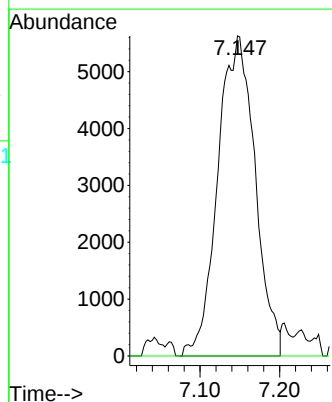
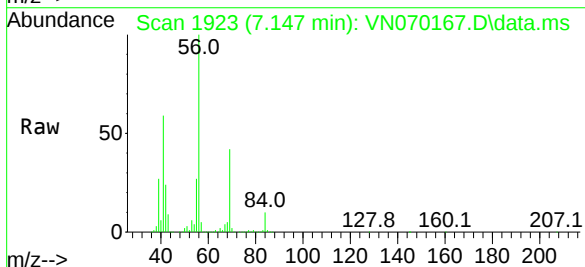
Acq: 17 Dec 2021 16:36

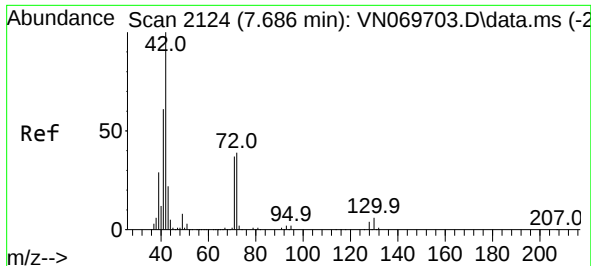
Tgt Ion: 77 Resp: 18329

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#

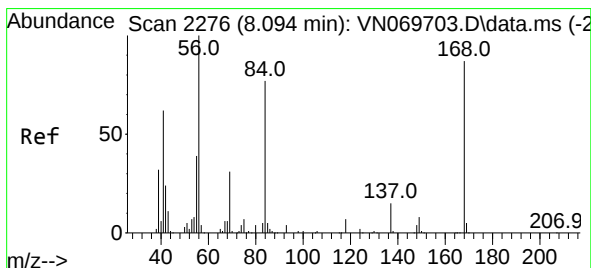
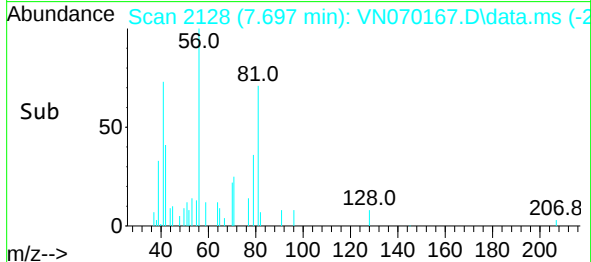
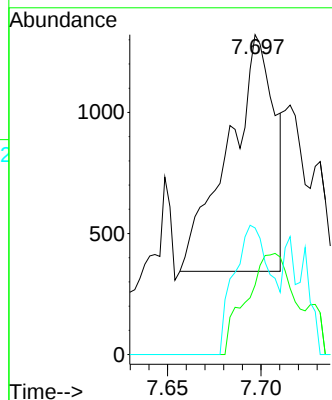
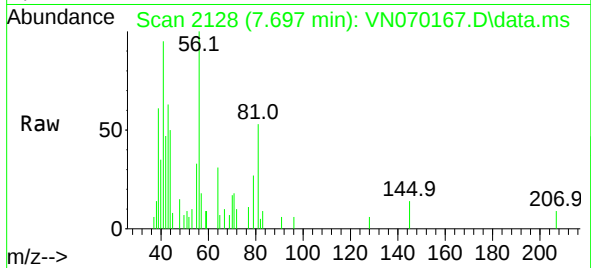




#29
Tetrahydrofuran
Concen: 0.232 ug/l
RT: 7.697 min Scan# 2124
Delta R.T. 0.011 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

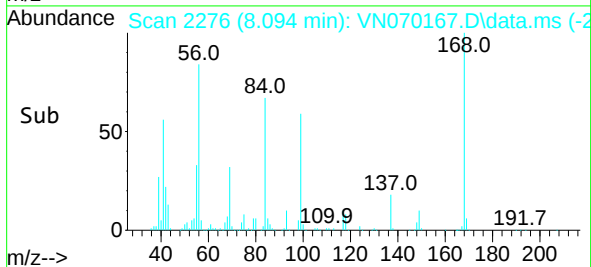
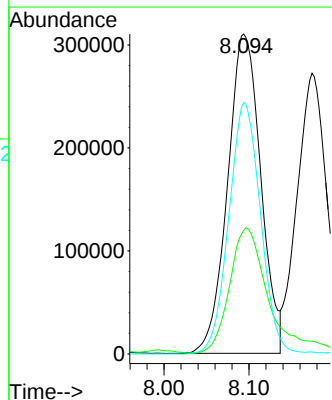
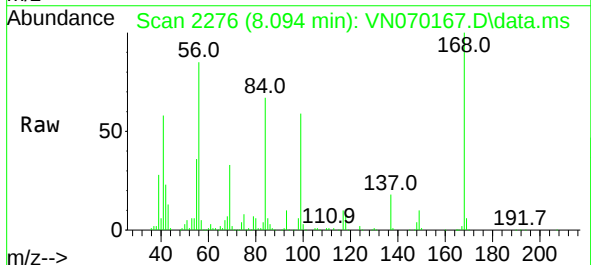
Instrument :
MSVOA_N
ClientSampleId :

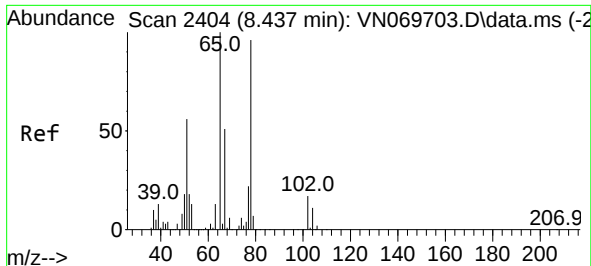
Tgt Ion: 42 Resp: 1665
Ion Ratio Lower Upper
42 100
72 43.4 36.3 54.5
71 44.0 34.7 52.1



#31
Cyclohexane
Concen: 41.800 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 56 Resp: 841337
Ion Ratio Lower Upper
56 100
69 38.2 27.1 40.7
84 78.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 52.853 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

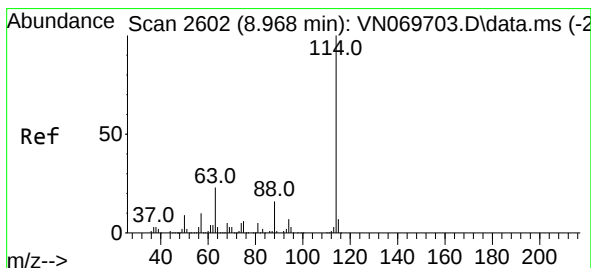
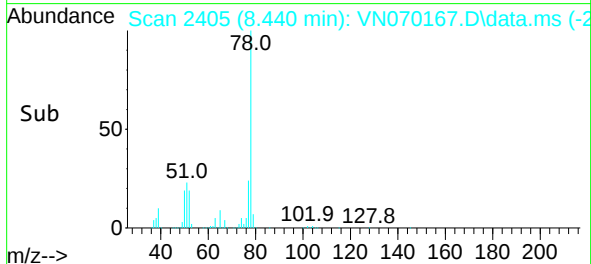
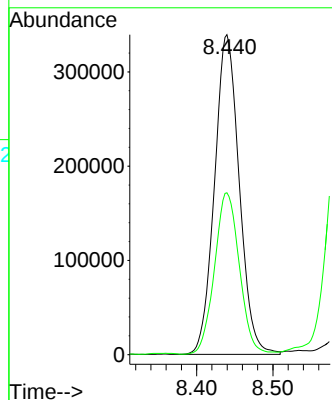
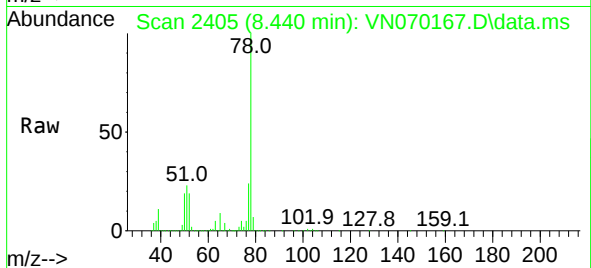
ClientSampleId :

Tgt Ion: 65 Resp: 764419

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

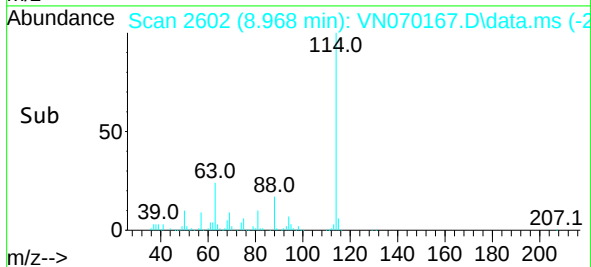
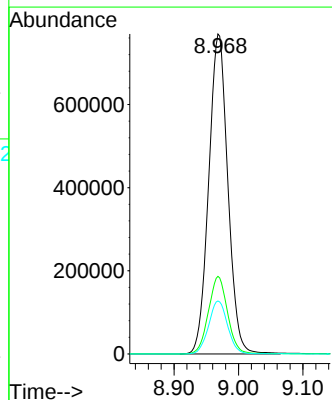
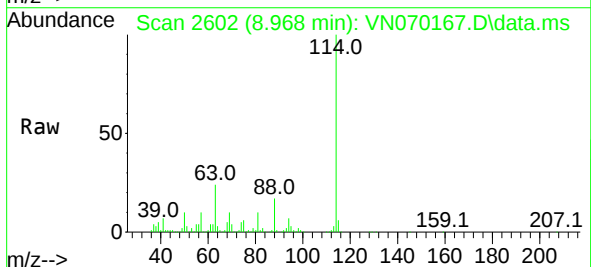
Tgt Ion: 114 Resp: 1585827

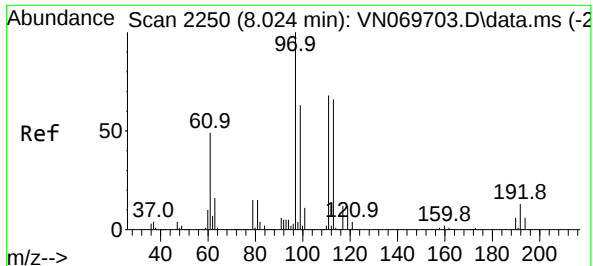
Ion Ratio Lower Upper

114 100

63 24.2 0.0 37.8

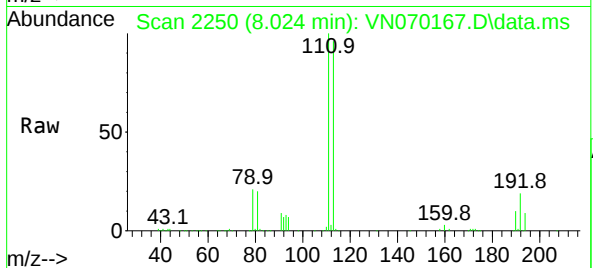
88 16.6 0.0 27.4



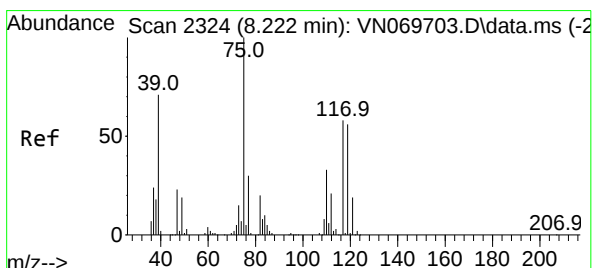
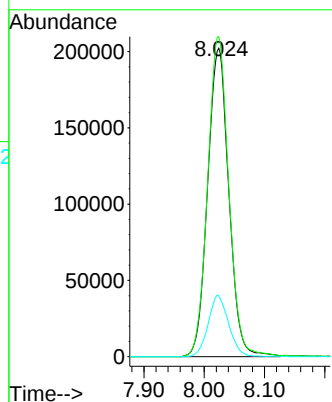
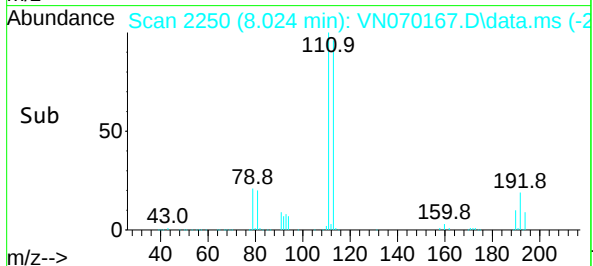


#35
Dibromofluoromethane
Concen: 49.845 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

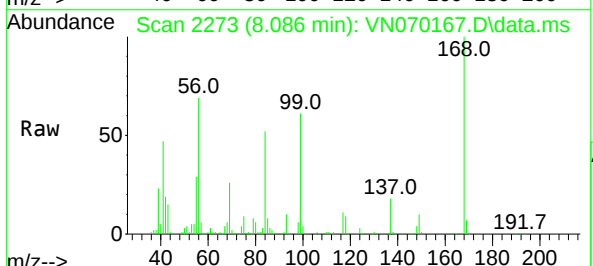
Instrument :
MSVOA_N
ClientSampleId :



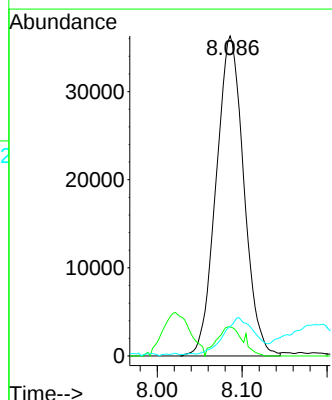
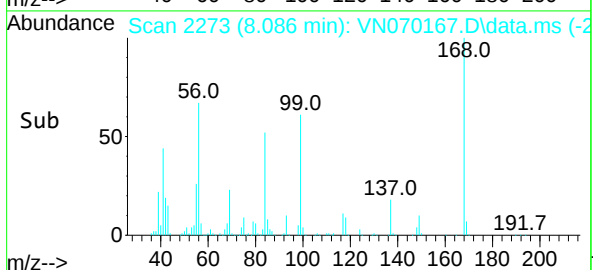
Tgt Ion:113 Resp: 495129
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 19.2 16.9 25.3

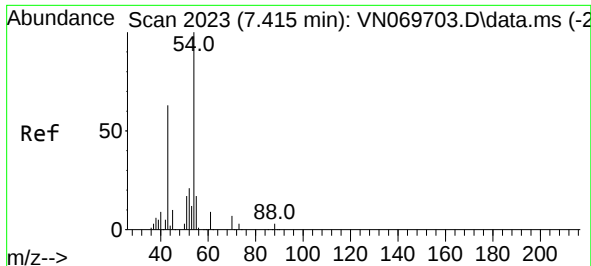


#36
1,1-Dichloropropene
Concen: 5.441 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36



Tgt Ion: 75 Resp: 82137
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.140 ug/l

RT: 7.340 min Scan# 19

Delta R.T. -0.075 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :

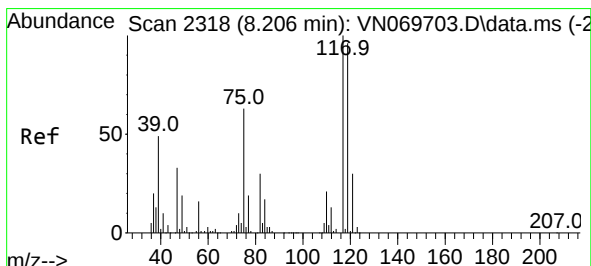
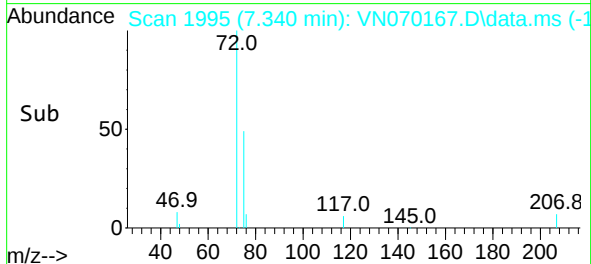
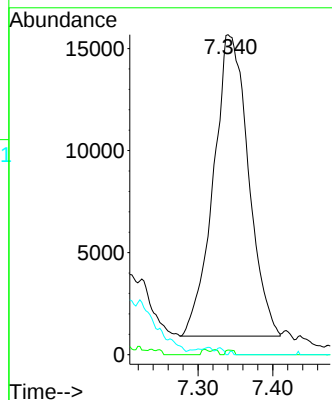
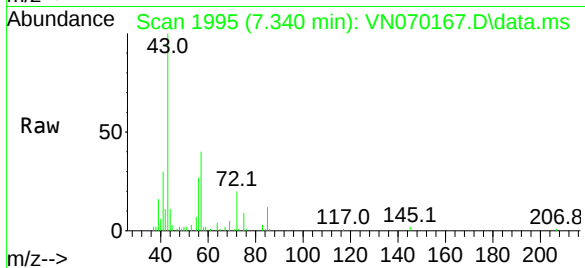
Tgt Ion: 43 Resp: 48091

Ion Ratio Lower Upper

43 100

61 0.3 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.606 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.121 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

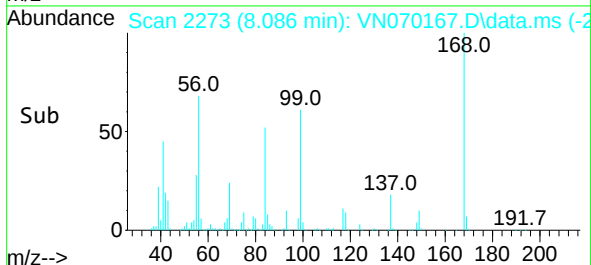
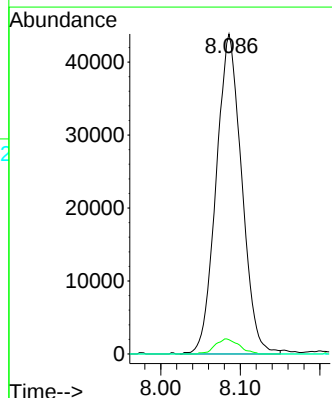
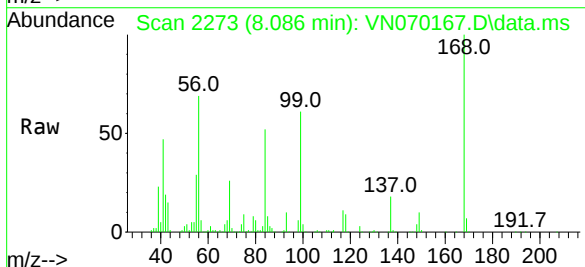
Tgt Ion: 117 Resp: 97801

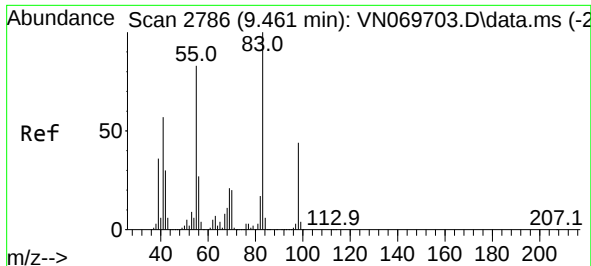
Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 27.872 ug/l

RT: 9.462 min Scan# 2113

Delta R.T. 0.000 min

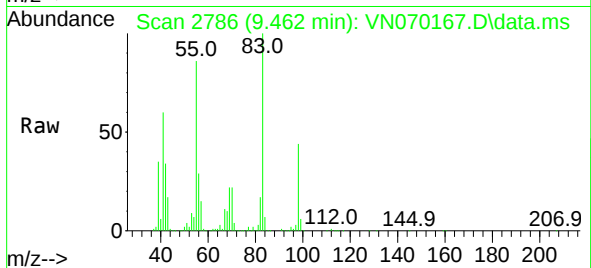
Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :



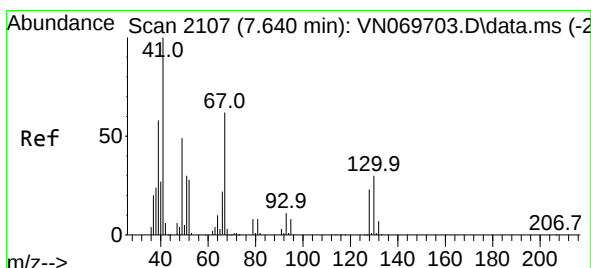
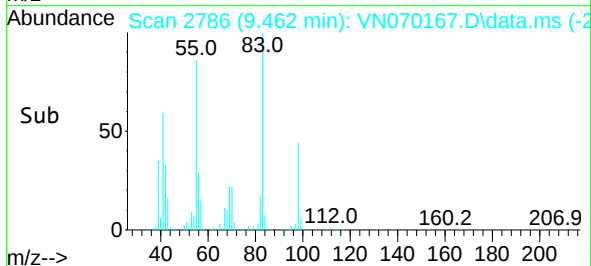
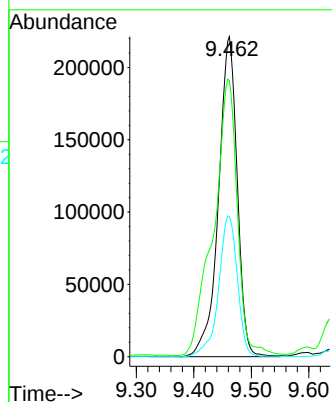
Tgt Ion: 83 Resp: 500496

Ion Ratio Lower Upper

83 100

55 85.8 58.1 87.1

98 43.8 38.4 57.6



#41

Methacrylonitrile

Concen: 0.640 ug/l

RT: 7.657 min Scan# 2113

Delta R.T. 0.017 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Tgt Ion: 41 Resp: 6753

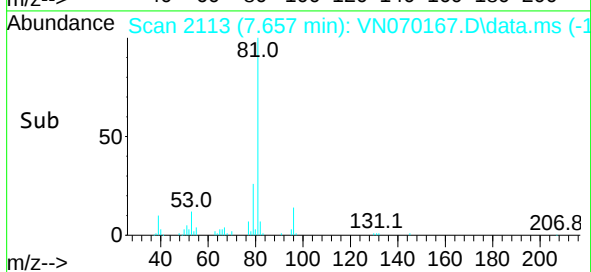
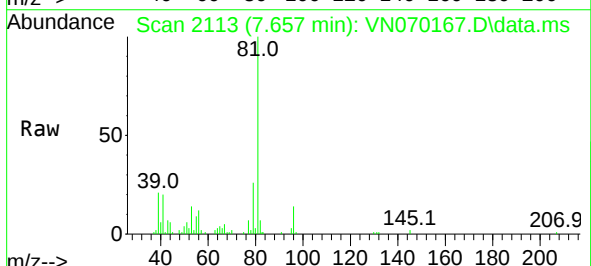
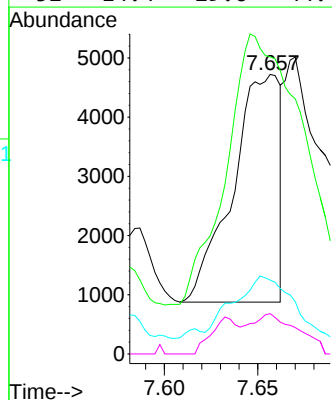
Ion Ratio Lower Upper

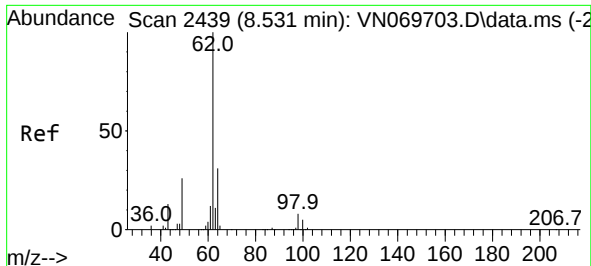
41 100

39 192.6 48.1 72.1#

67 0.0 68.3 102.5#

52 14.4 29.6 44.4#





#42

1,2-Dichloroethane

Concen: 12.314 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. -0.070 min

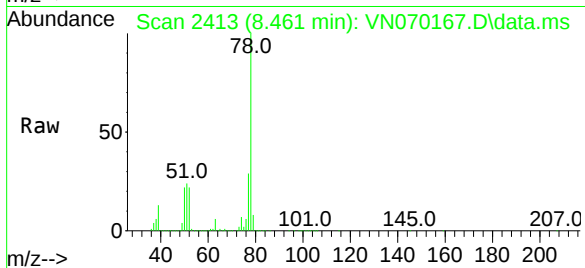
Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :

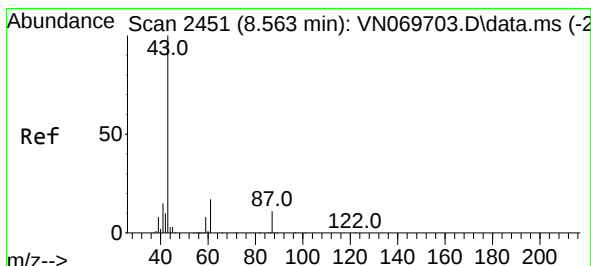
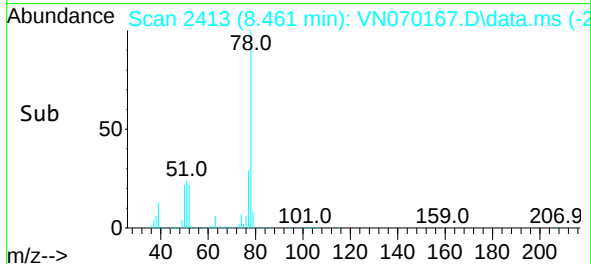
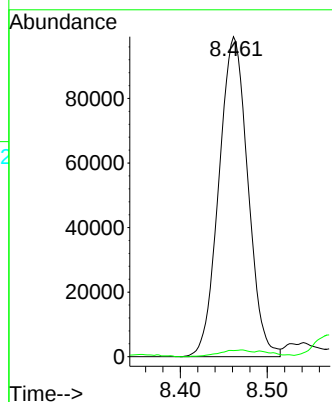


Tgt Ion: 62 Resp: 229371

Ion Ratio Lower Upper

62 100

98 1.2 0.0 17.6



#43

Isopropyl Acetate

Concen: 25.516 ug/l

RT: 8.539 min Scan# 2442

Delta R.T. -0.024 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

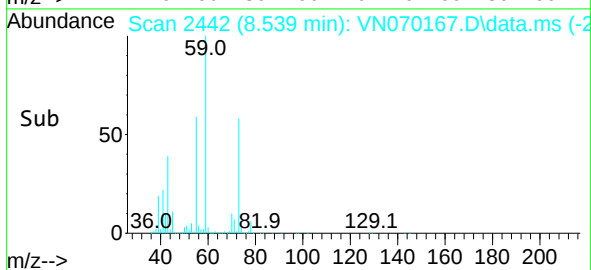
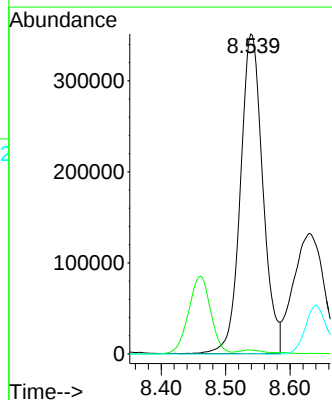
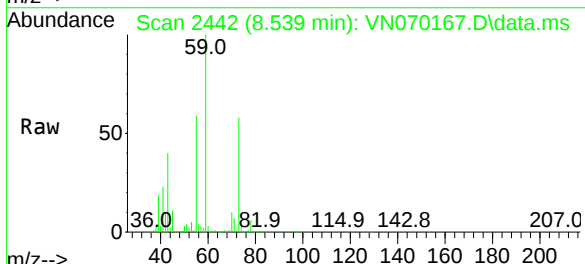
Tgt Ion: 43 Resp: 848416

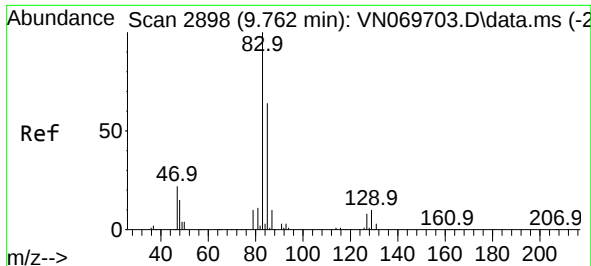
Ion Ratio Lower Upper

43 100

61 0.9 20.4 30.6#

87 0.0 11.2 16.8#

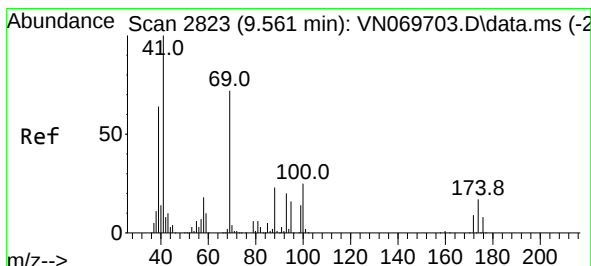
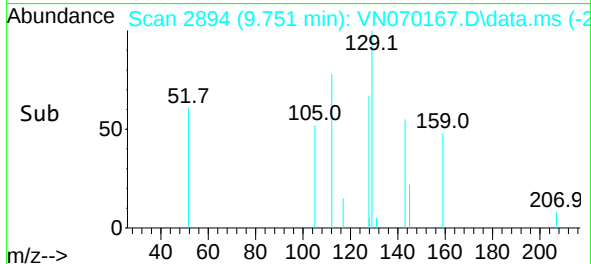
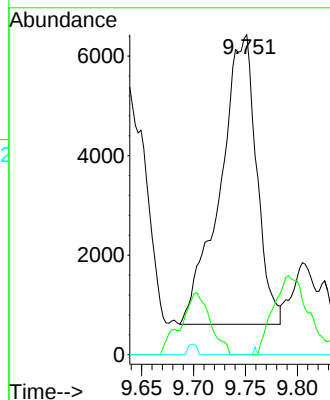
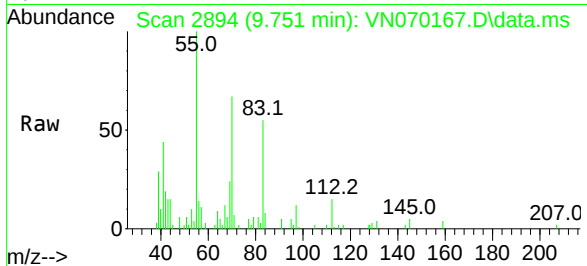




#47
Bromodichloromethane
Concen: 0.923 ug/l
RT: 9.751 min Scan# 2898
Delta R.T. -0.011 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

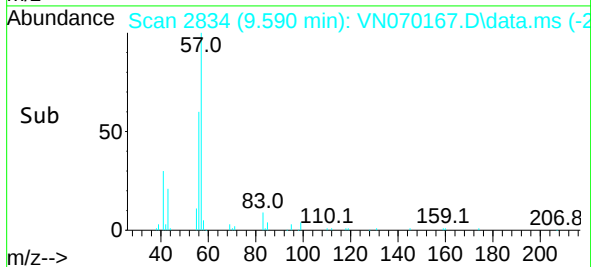
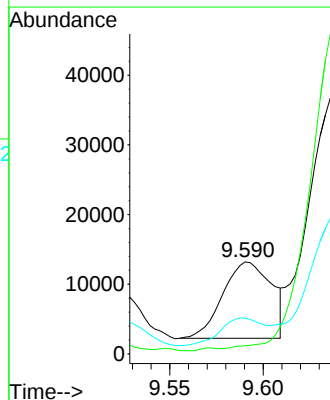
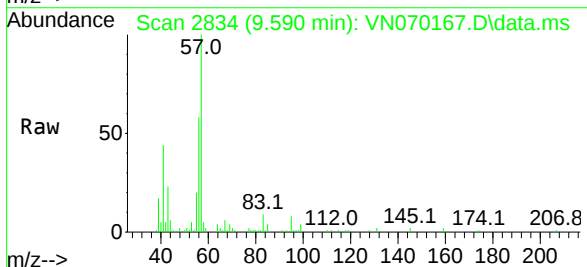
Instrument :
MSVOA_N
ClientSampleId :

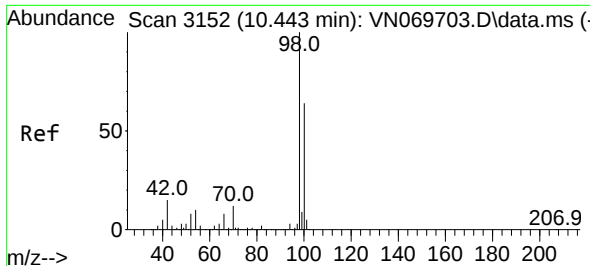
Tgt Ion: 83 Resp: 14199
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 1.284 ug/l
RT: 9.590 min Scan# 2834
Delta R.T. 0.029 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 41 Resp: 19930
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#

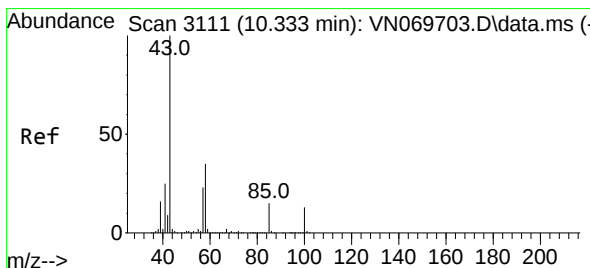
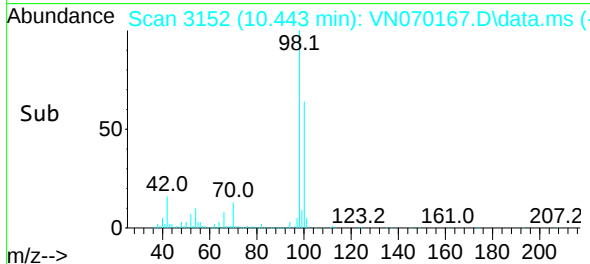
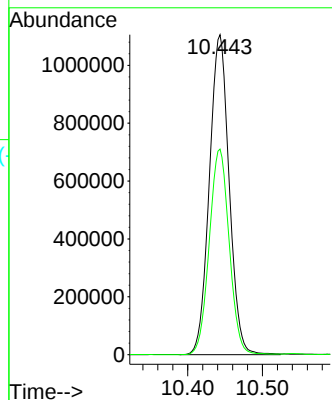
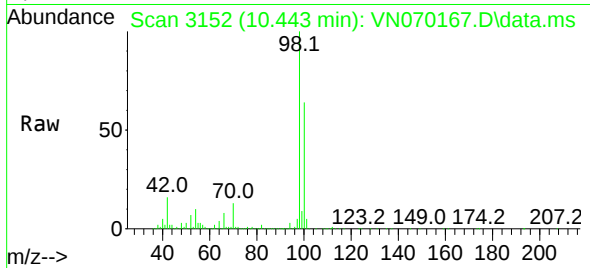




#50
Toluene-d8
Concen: 50.906 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

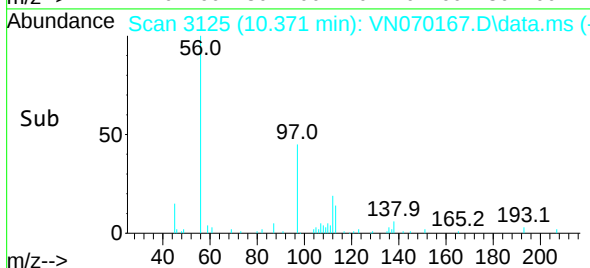
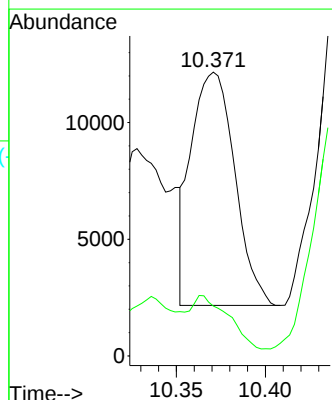
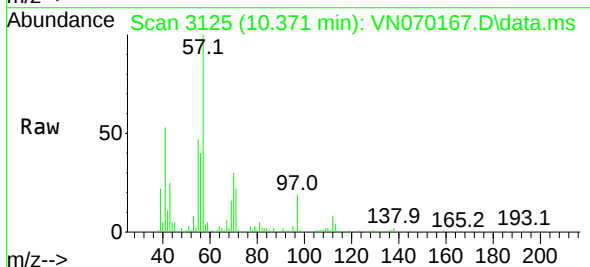
Instrument :
MSVOA_N
ClientSampleId :

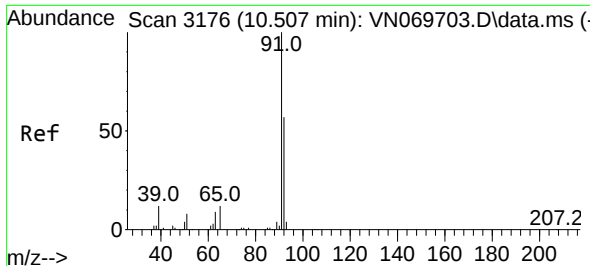
Tgt Ion: 98 Resp: 2030386
Ion Ratio Lower Upper
98 100
100 64.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.788 ug/l
RT: 10.371 min Scan# 3125
Delta R.T. 0.038 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 43 Resp: 16994
Ion Ratio Lower Upper
43 100
58 18.0 30.4 45.6#

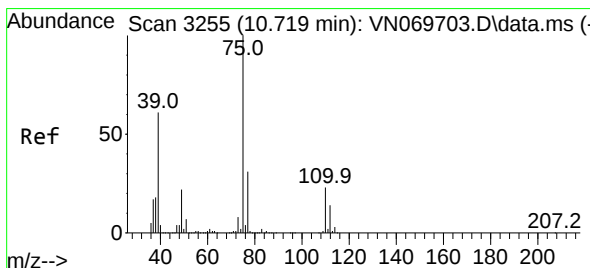
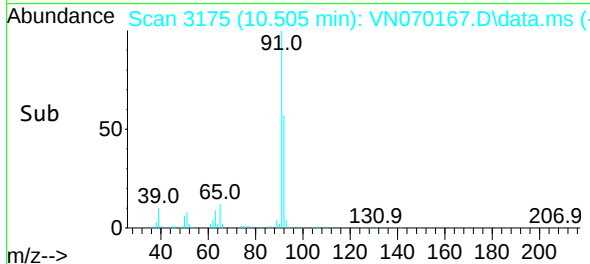
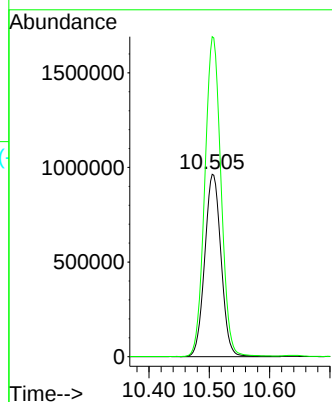
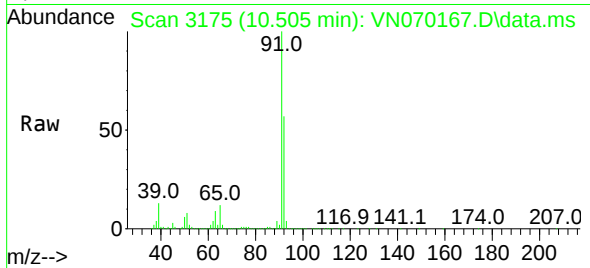




#52
Toluene
Concen: 64.161 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

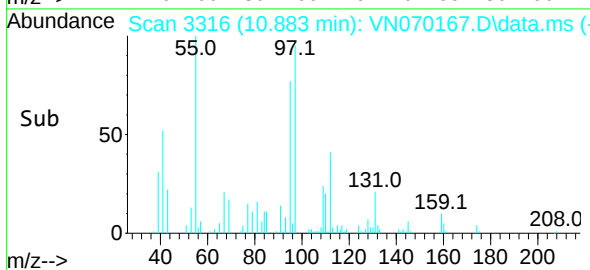
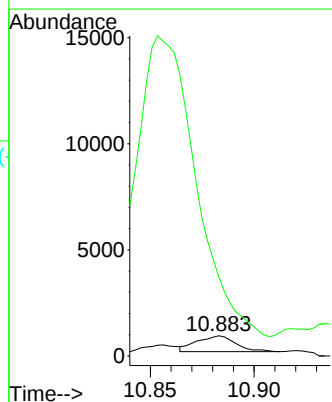
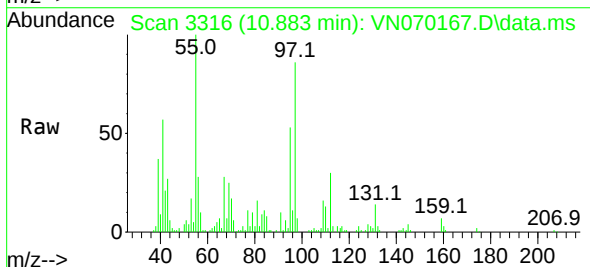
Instrument :
MSVOA_N
ClientSampleId :

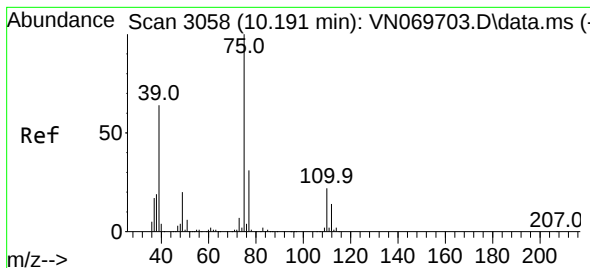
Tgt Ion: 92 Resp: 1807528
Ion Ratio Lower Upper
92 100
91 174.6 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 2.844 ug/l
RT: 10.883 min Scan# 3316
Delta R.T. 0.164 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

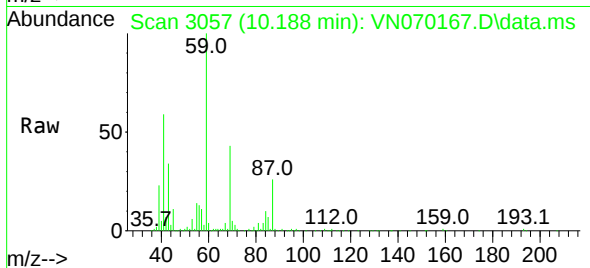
Tgt Ion: 75 Resp: 976
Ion Ratio Lower Upper
75 100
77 347.5 25.6 38.4#



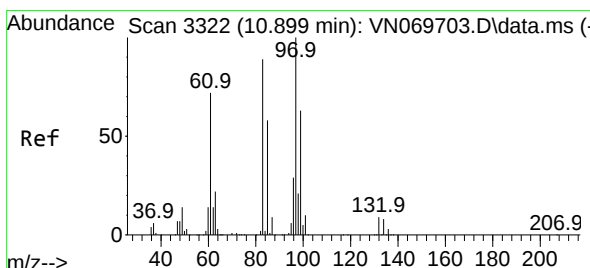
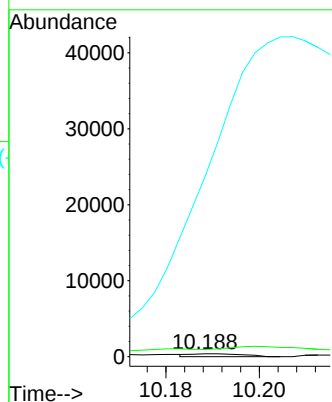
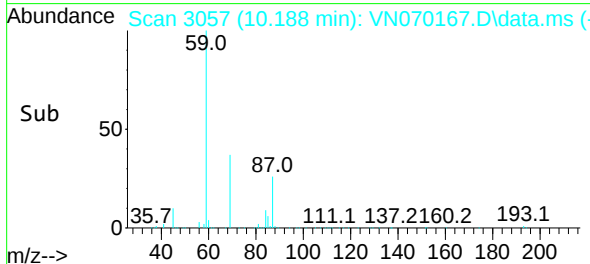


#54
 cis-1,3-Dichloropropene
 Concen: 2.013 ug/l
 RT: 10.188 min Scan# 3058
 Delta R.T. -0.003 min
 Lab File: VN070167.D
 Acq: 17 Dec 2021 16:36

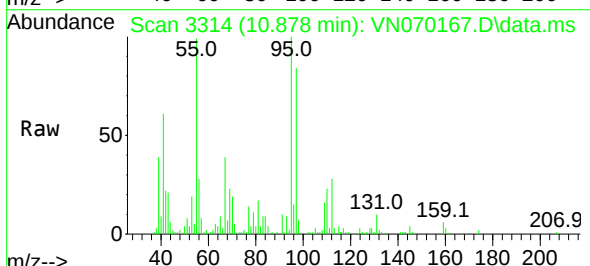
Instrument :
 MSVOA_N
 ClientSampleId :



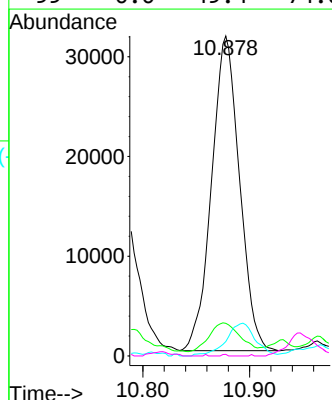
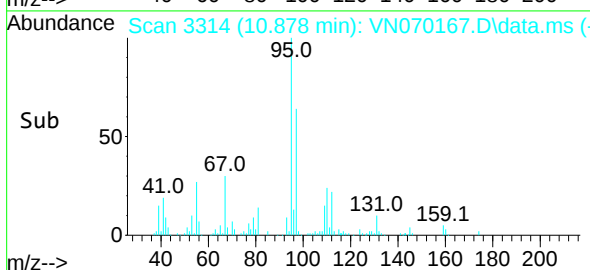
Tgt Ion: 75 Resp: 292
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 2156.2 42.5 63.7#

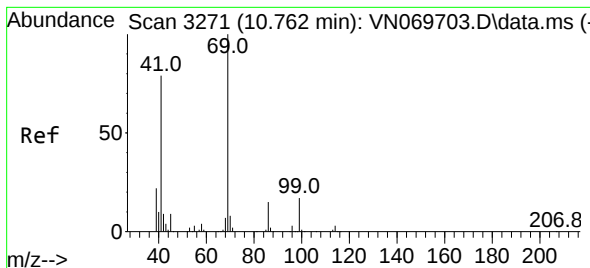


#55
 1,1,2-Trichloroethane
 Concen: 5.046 ug/l
 RT: 10.878 min Scan# 3314
 Delta R.T. -0.021 min
 Lab File: VN070167.D
 Acq: 17 Dec 2021 16:36



Tgt Ion: 97 Resp: 57355
 Ion Ratio Lower Upper
 97 100
 83 8.8 67.8 101.6#
 85 4.6 45.4 68.2#
 99 0.0 49.4 74.0#





#56

Ethyl methacrylate

Concen: 2.499 ug/l

RT: 10.778 min Scan# 31

Delta R.T. 0.016 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

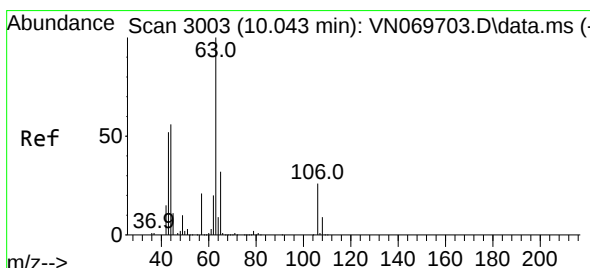
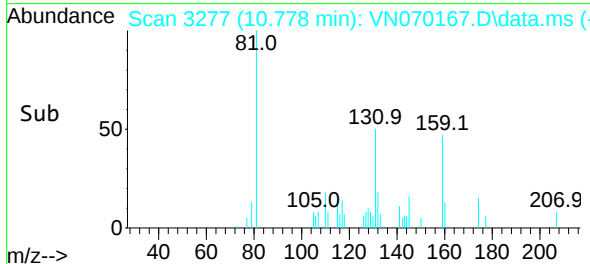
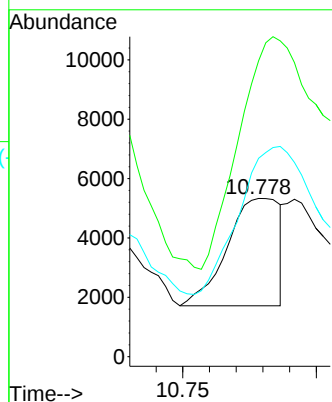
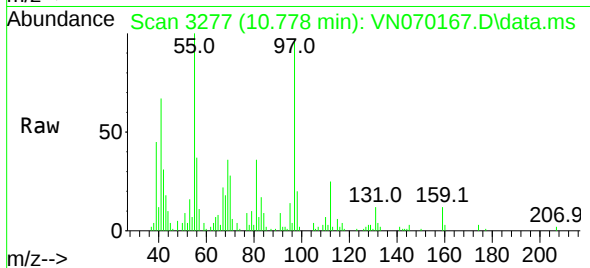
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 69 Resp: 4948

Ion	Ratio	Lower	Upper
69	100		
41	394.2	51.4	77.0#
39	0.0	34.6	52.0#



#58

2-Chloroethyl Vinyl ether

Concen: 21.857 ug/l

RT: 9.971 min Scan# 2976

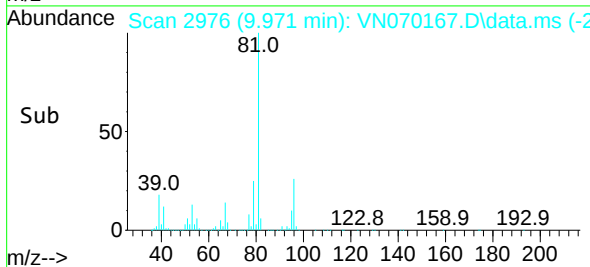
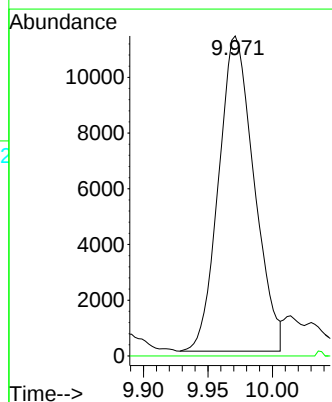
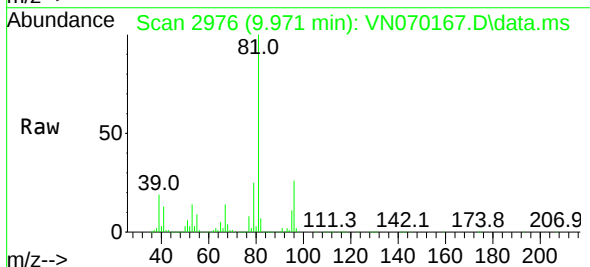
Delta R.T. -0.072 min

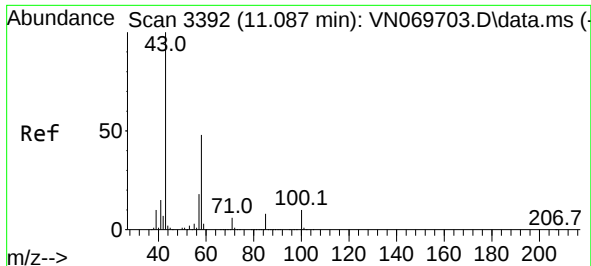
Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Tgt Ion: 63 Resp: 21679

Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.9	35.9#

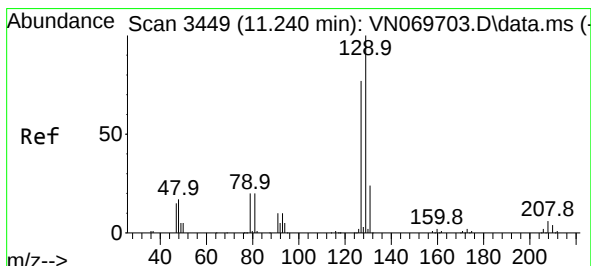
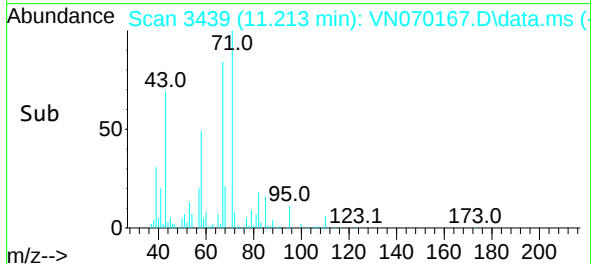
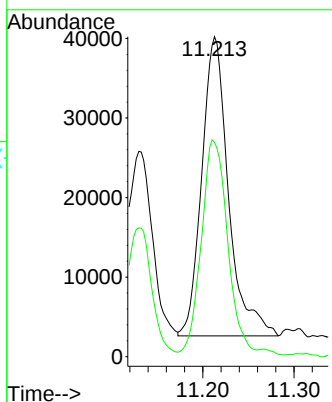
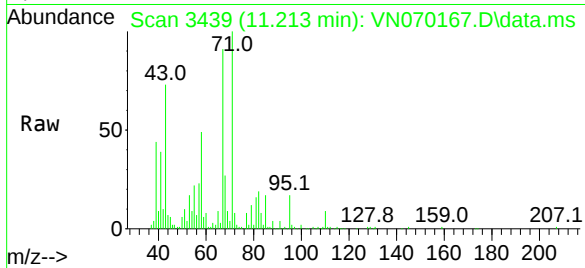




#59
2-Hexanone
Concen: 4.692 ug/l
RT: 11.213 min Scan# 3442
Delta R.T. 0.126 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

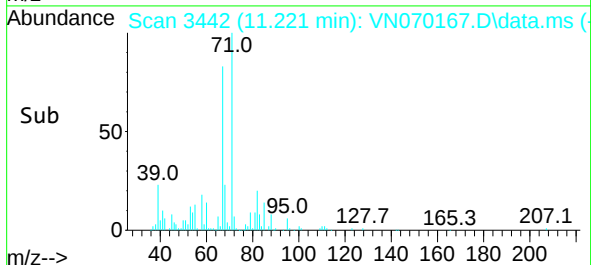
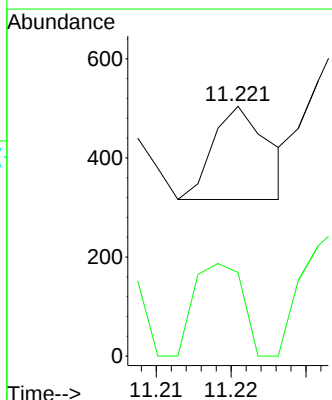
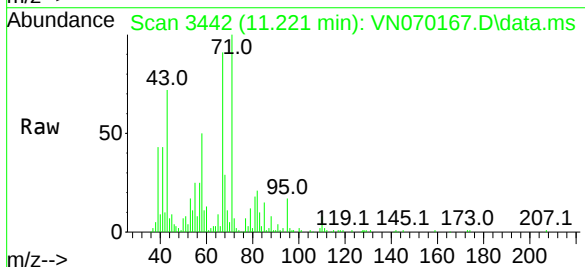
Instrument :
MSVOA_N
ClientSampleId :

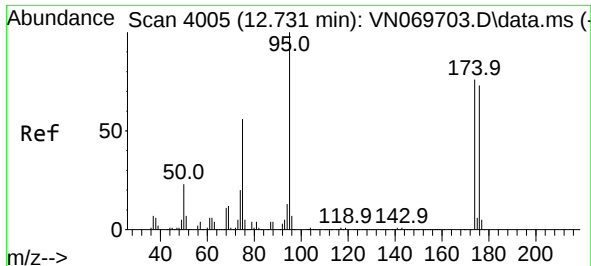
Tgt Ion: 43 Resp: 76563
Ion Ratio Lower Upper
43 100
58 68.3 26.9 80.7



#60
Dibromochloromethane
Concen: 2.384 ug/l
RT: 11.221 min Scan# 3442
Delta R.T. -0.019 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 129 Resp: 97
Ion Ratio Lower Upper
129 100
127 86.6 38.6 116.0

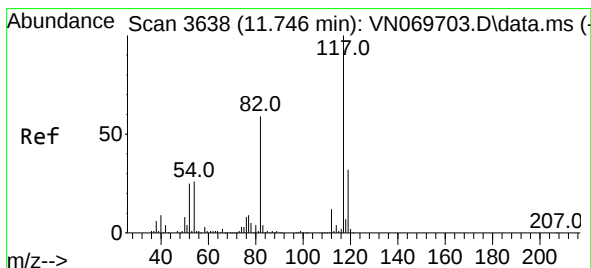
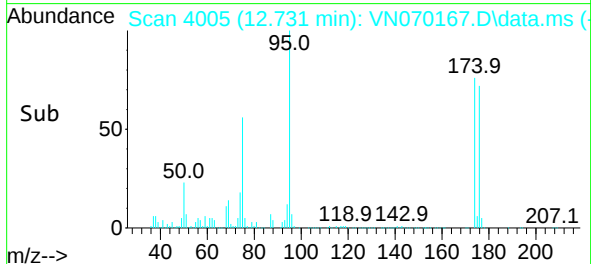
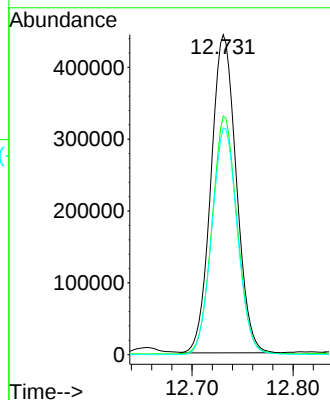
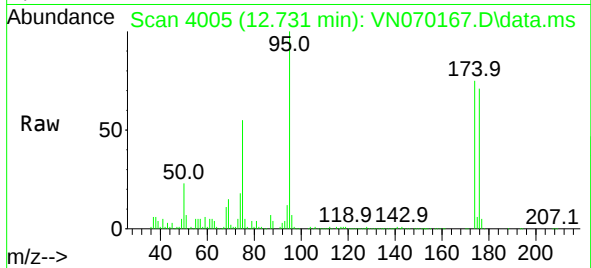




#62
4-Bromofluorobenzene
Concen: 53.330 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

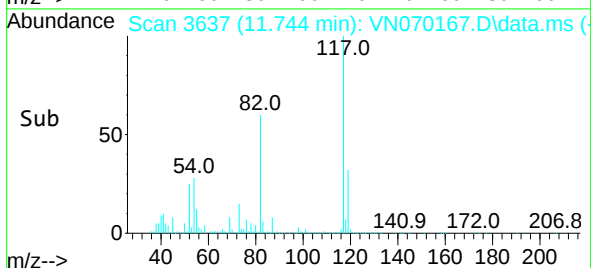
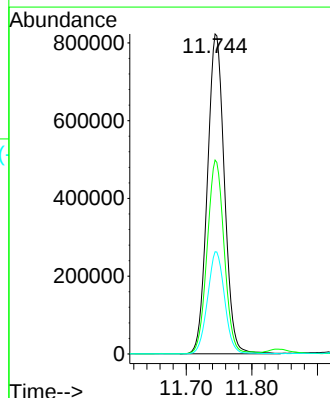
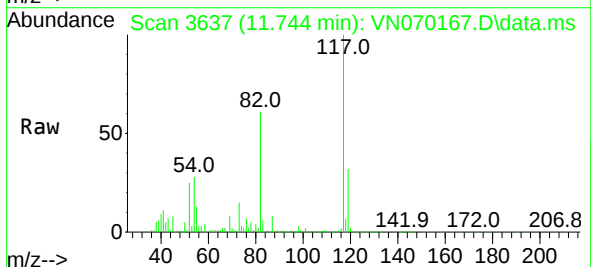
Instrument :
MSVOA_N
ClientSampleId :

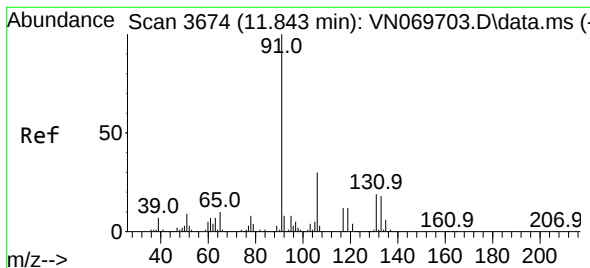
Tgt Ion: 95 Resp: 770592
Ion Ratio Lower Upper
95 100
174 74.2 0.0 187.2
176 72.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 117 Resp: 1483012
Ion Ratio Lower Upper
117 100
82 60.5 42.4 63.6
119 31.9 25.4 38.2

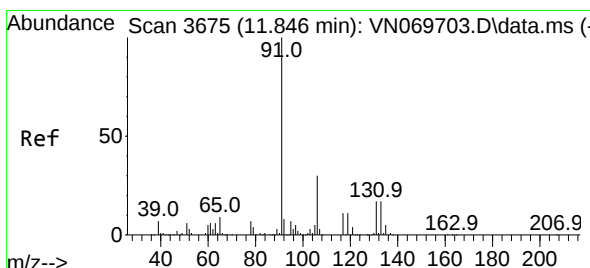
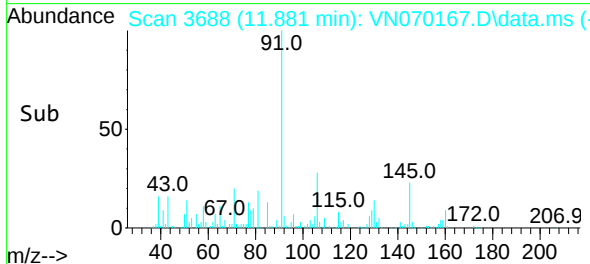
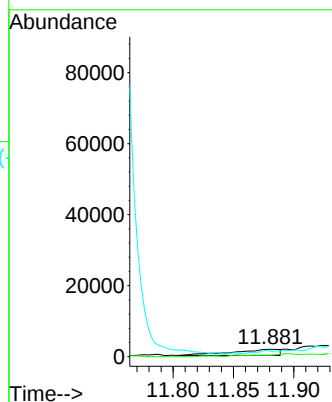
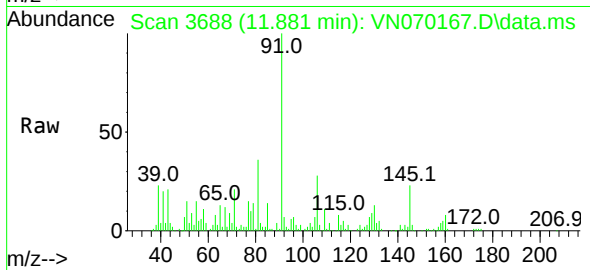




#66
1,1,1,2-Tetrachloroethane
Concen: 0.426 ug/l
RT: 11.881 min Scan# 3688
Delta R.T. 0.038 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

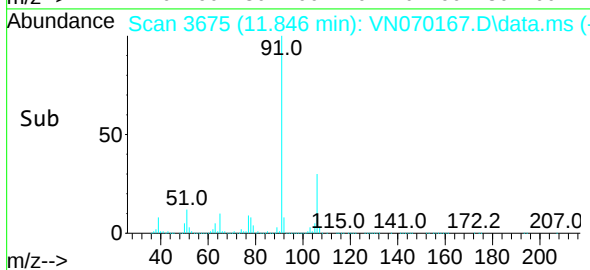
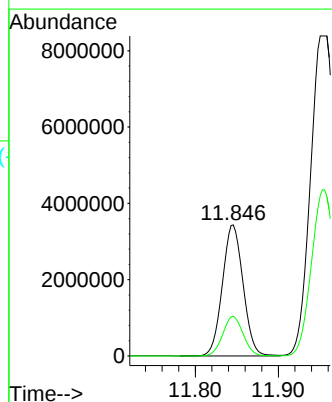
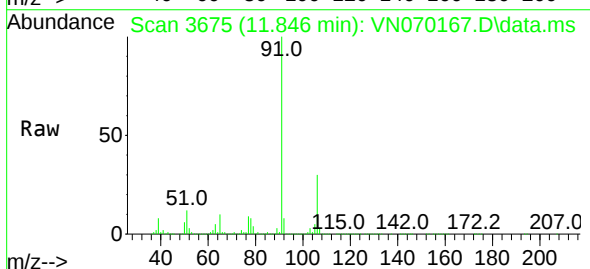
Instrument :
MSVOA_N
ClientSampleId :

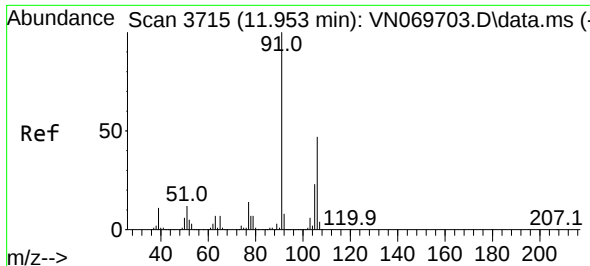
Tgt Ion:131 Resp: 4516
Ion Ratio Lower Upper
131 100
133 8.9 47.9 143.7#
119 0.0 32.1 96.5#



#67
Ethyl Benzene
Concen: 108.773 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 91 Resp: 5944506
Ion Ratio Lower Upper
91 100
106 30.2 25.7 38.5

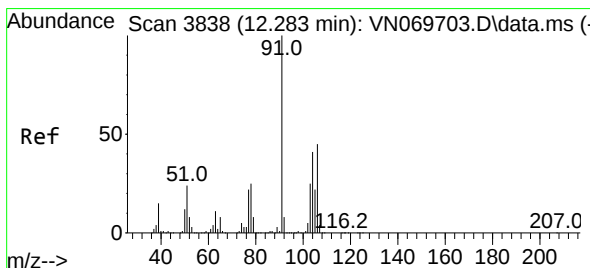
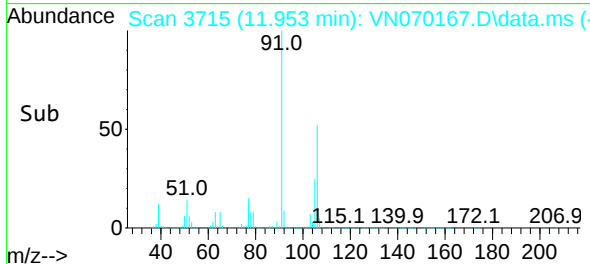
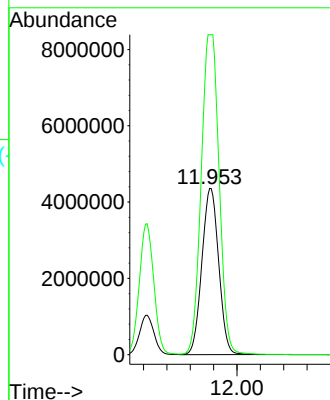
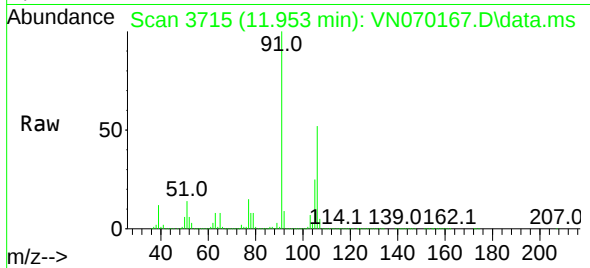




#68
m/p-Xylenes
Concen: 437.132 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

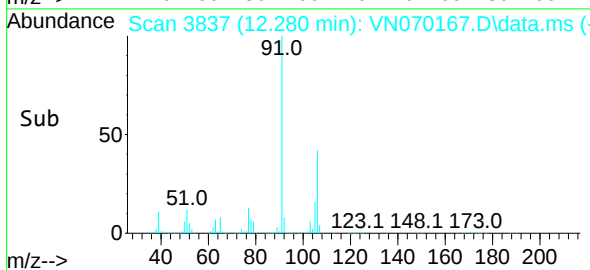
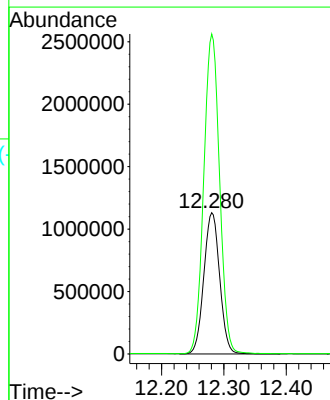
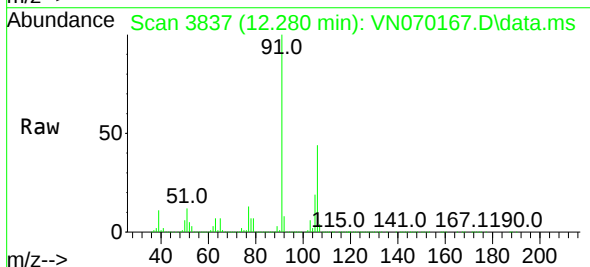
Instrument :
MSVOA_N
ClientSampleId :

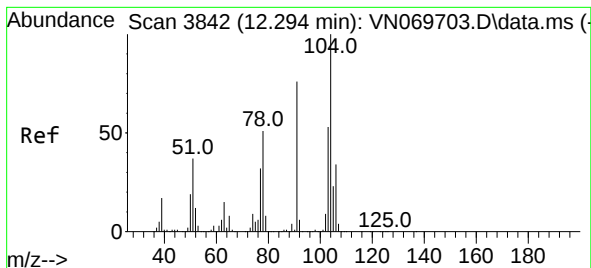
Tgt Ion:106 Resp: 8698324
Ion Ratio Lower Upper
106 100
91 205.6 160.6 240.8



#69
o-Xylene
Concen: 99.288 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion:106 Resp: 1990067
Ion Ratio Lower Upper
106 100
91 226.1 105.8 317.3





#70

Styrene

Concen: 3.342 ug/l

RT: 12.280 min Scan# 3842

Delta R.T. -0.014 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

ClientSampleId :

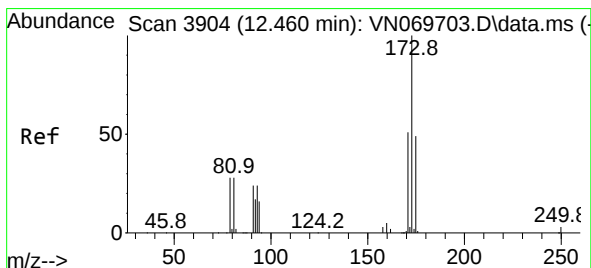
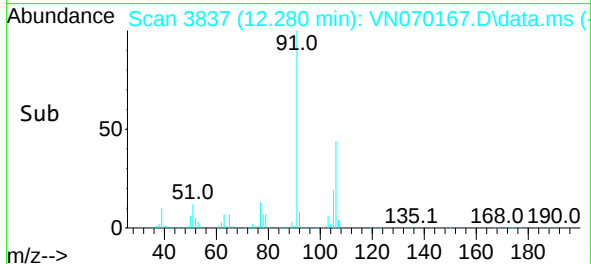
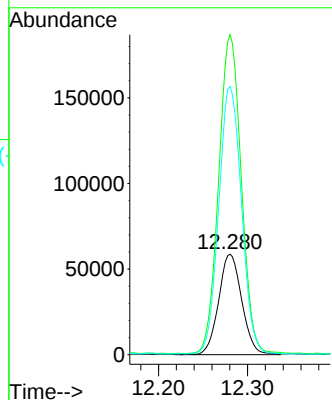
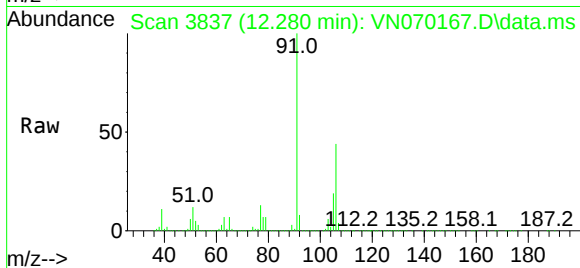
Tgt Ion:104 Resp: 106212

Ion Ratio Lower Upper

104 100

78 308.5 38.7 58.1#

103 261.6 45.0 67.6#



#71

Bromoform

Concen: 2.795 ug/l

RT: 12.452 min Scan# 3901

Delta R.T. -0.008 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

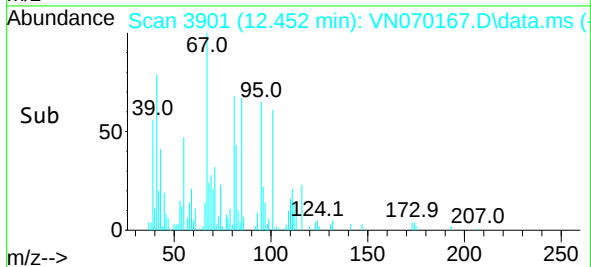
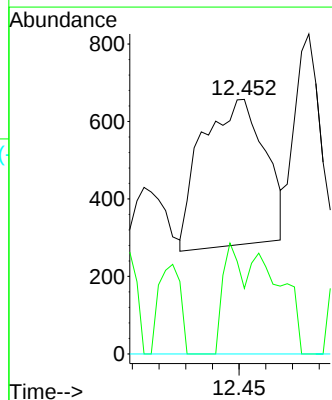
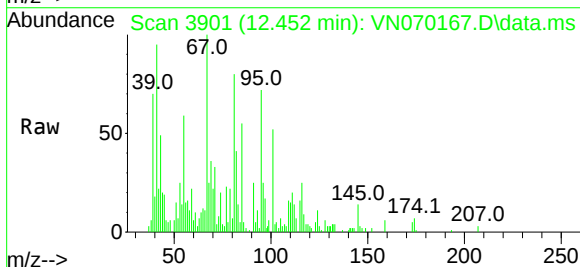
Tgt Ion:173 Resp: 618

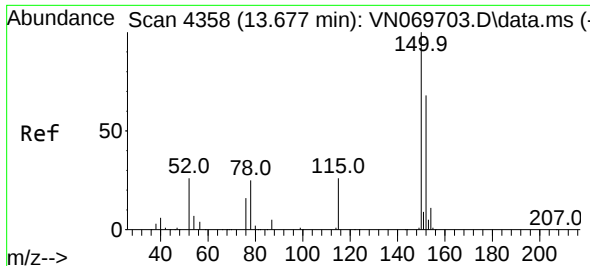
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

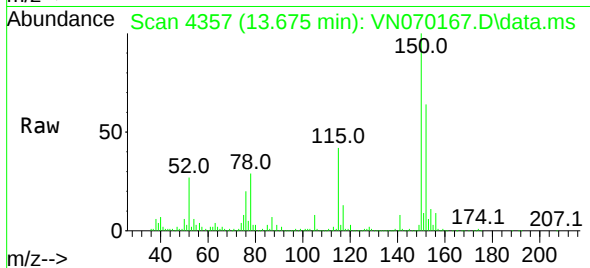
254 0.0 0.0 0.0



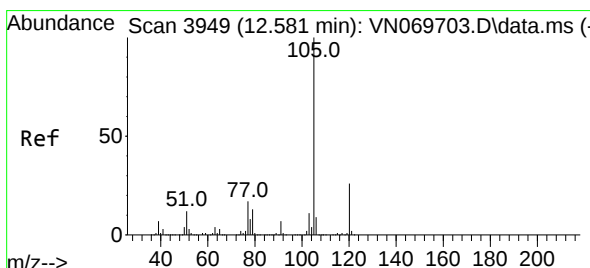
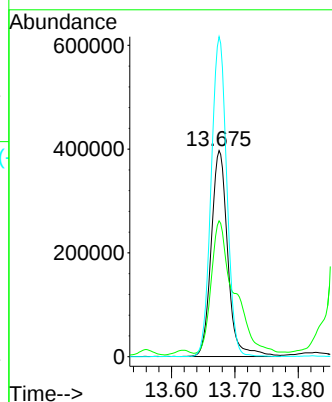
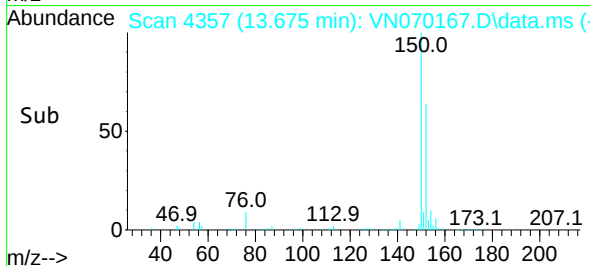


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

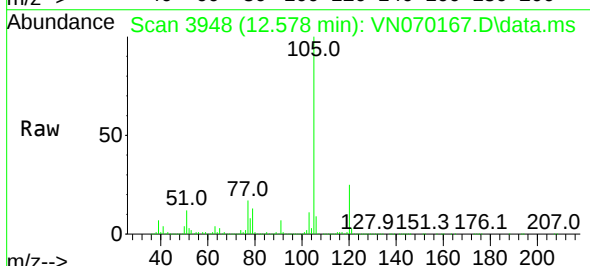
Instrument :
MSVOA_N
ClientSampleId :



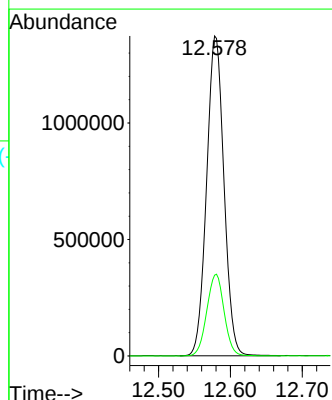
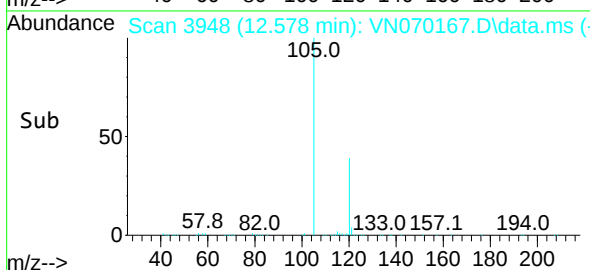
Tgt Ion:152 Resp: 720949
Ion Ratio Lower Upper
152 100
115 88.8 27.5 82.5#
150 146.3 0.0 344.4

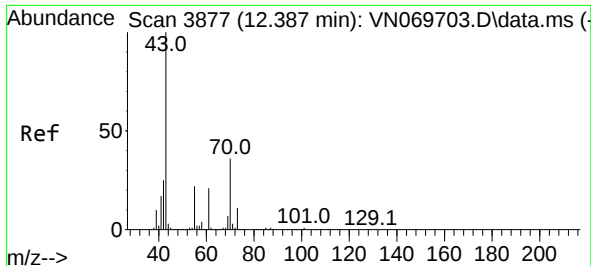


#73
Isopropylbenzene
Concen: 35.895 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36



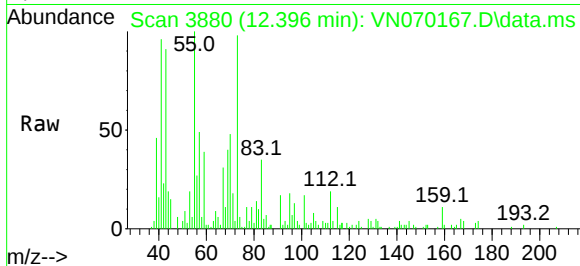
Tgt Ion:105 Resp: 2302443
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1



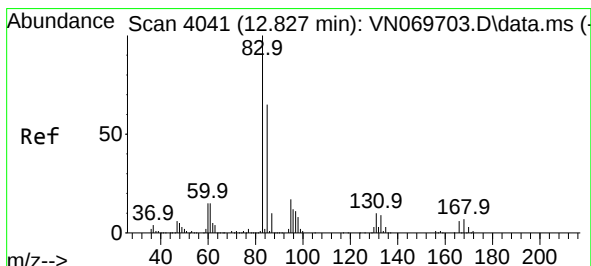
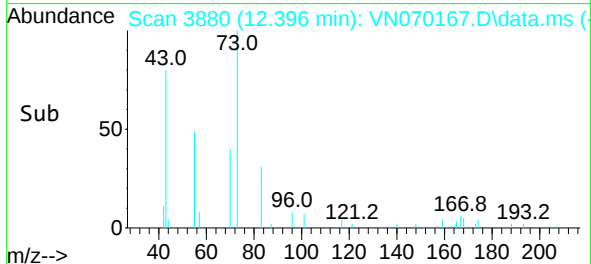
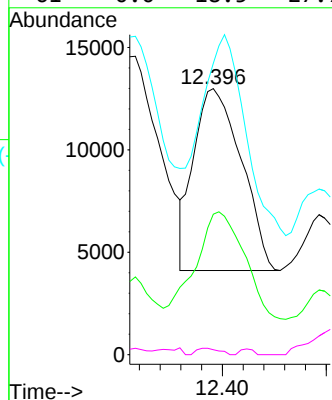


#74
N-amy1 acetate
Concen: 0.500 ug/l
RT: 12.396 min Scan# 3877
Delta R.T. 0.008 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Instrument :
MSVOA_N
ClientSampleId :

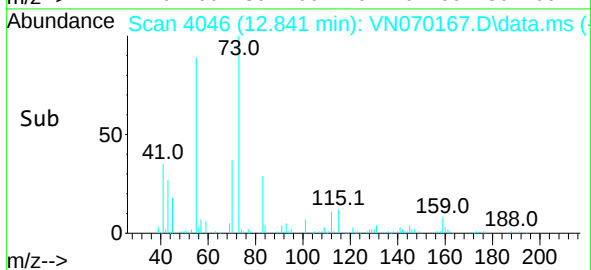
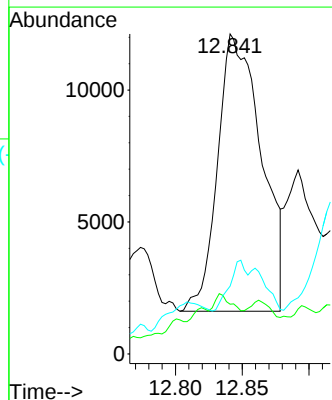
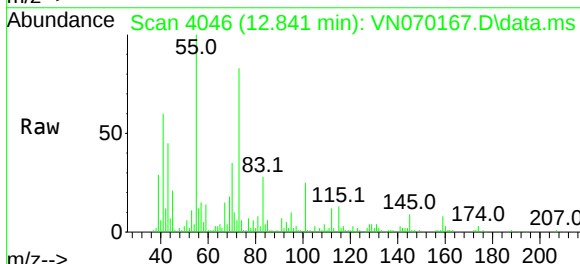


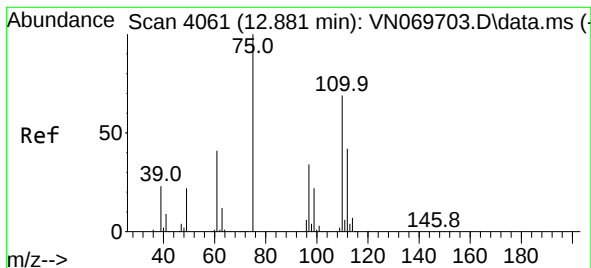
Tgt Ion: 43	Resp: 14193
Ion Ratio	Lower Upper
43	100
70	60.6 33.4 50.0#
55	99.6 19.3 28.9#
61	0.0 18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.080 ug/l
RT: 12.841 min Scan# 4046
Delta R.T. 0.014 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 83	Resp: 23955
Ion Ratio	Lower Upper
83	100
131	2.9 5.5 16.5#
85	7.2 32.4 97.2#





#76

1,2,3-Trichloropropane

Concen: 2.485 ug/l

RT: 12.921 min Scan# 4076

Delta R.T. 0.040 min

Lab File: VN070167.D

Acq: 17 Dec 2021 16:36

Instrument :

MSVOA_N

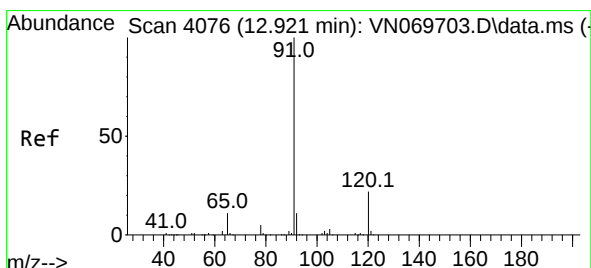
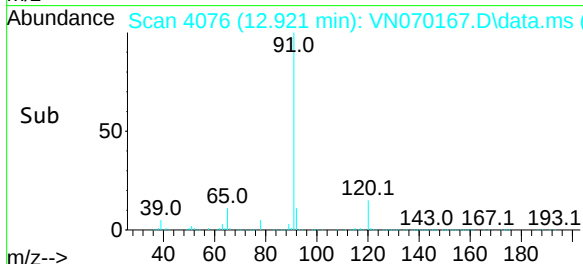
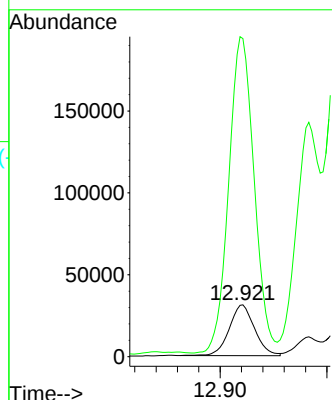
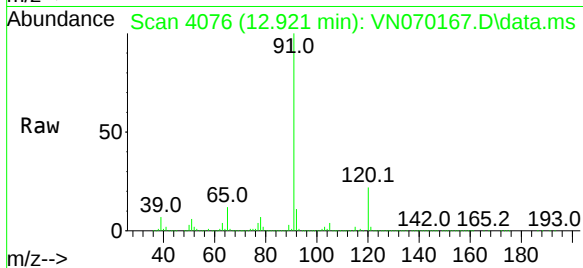
ClientSampleId :

Tgt Ion: 75 Resp: 51384

Ion Ratio Lower Upper

75 100

77 620.6 82.6 247.8#



#78

n-propylbenzene

Concen: 104.672 ug/l

RT: 12.921 min Scan# 4076

Delta R.T. 0.000 min

Lab File: VN070167.D

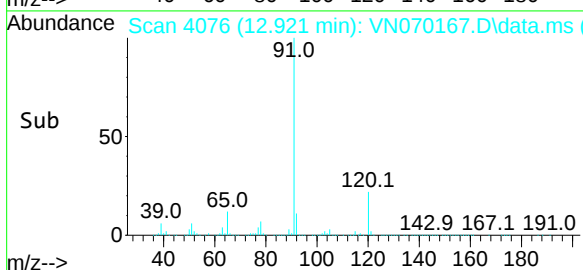
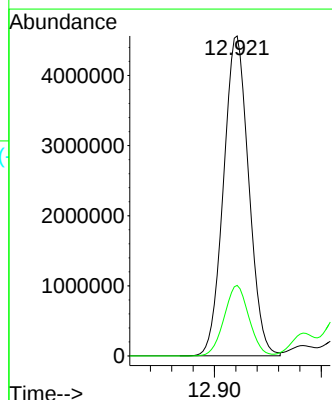
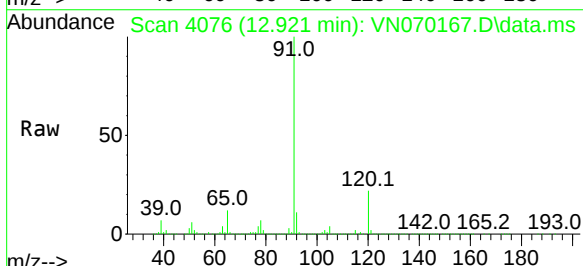
Acq: 17 Dec 2021 16:36

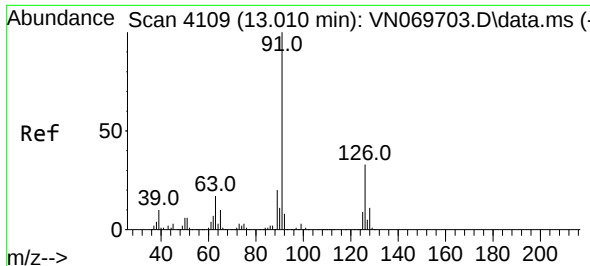
Tgt Ion: 91 Resp: 7471295

Ion Ratio Lower Upper

91 100

120 21.7 11.9 35.9

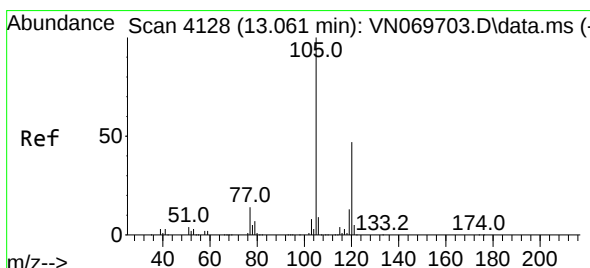
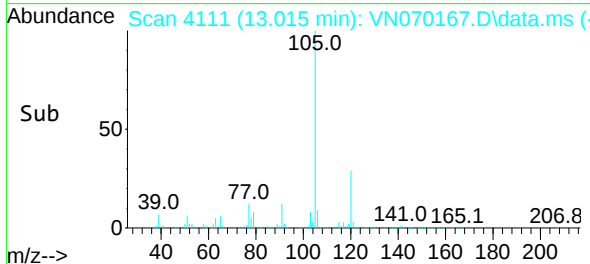
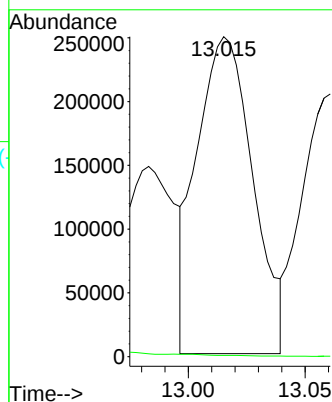
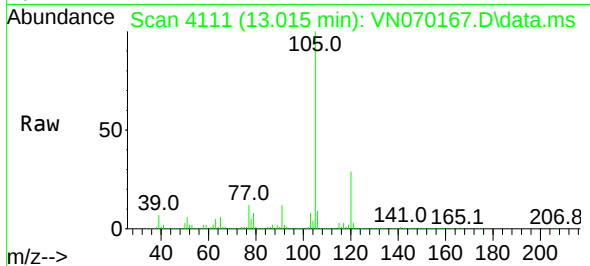




#79
2-Chlorotoluene
Concen: 9.188 ug/l
RT: 13.015 min Scan# 4109
Delta R.T. 0.006 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

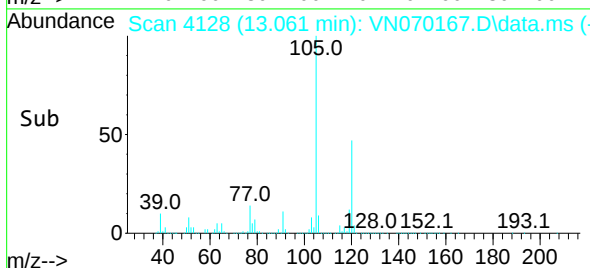
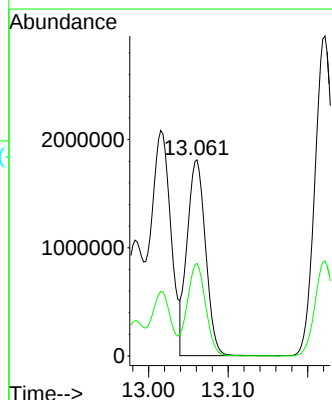
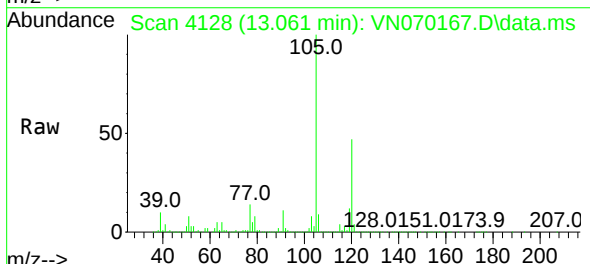
Instrument :
MSVOA_N
ClientSampleId :

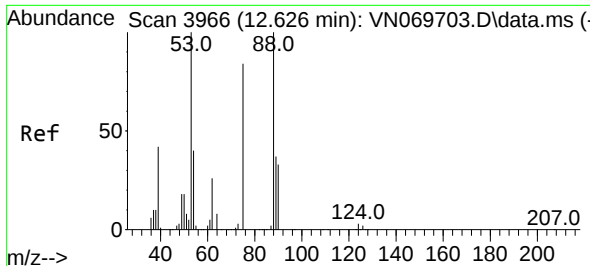
Tgt Ion: 91 Resp: 414411
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 56.241 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 105 Resp: 2903666
Ion Ratio Lower Upper
105 100
120 47.6 24.6 73.6

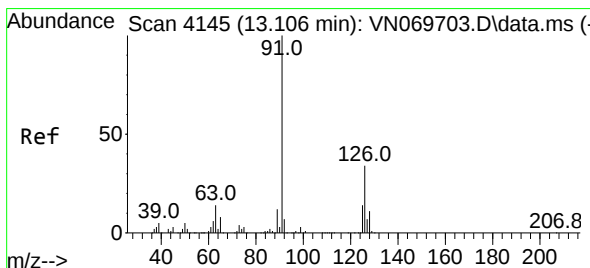
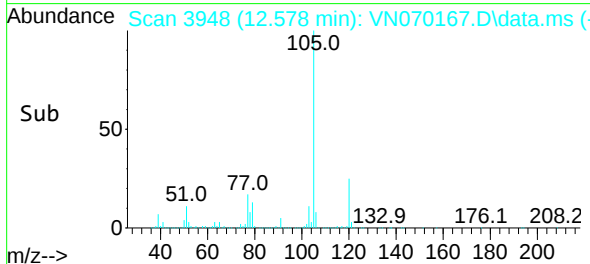
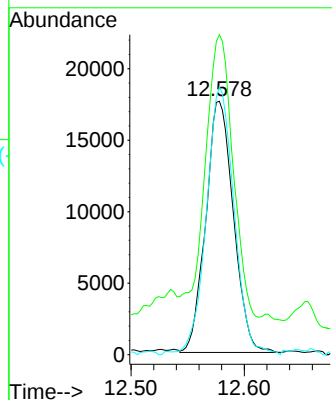
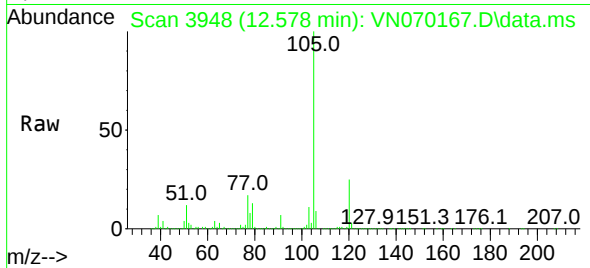




#81
trans-1,4-Dichloro-2-butene
Concen: 8.394 ug/l
RT: 12.578 min Scan# 3966
Delta R.T. -0.048 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

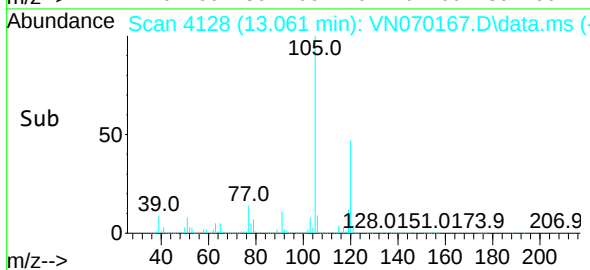
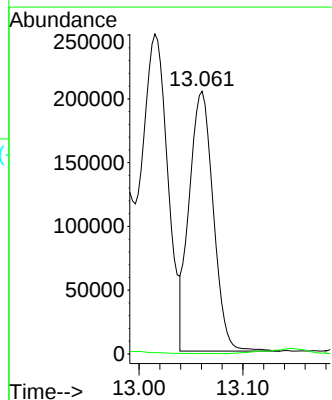
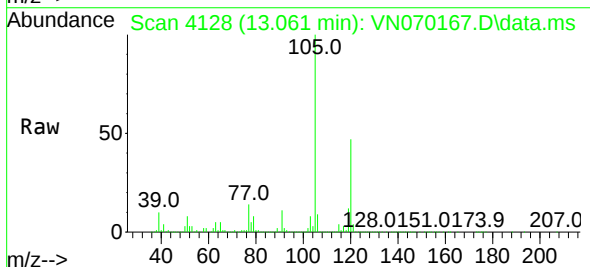
Instrument :
MSVOA_N
ClientSampleId :

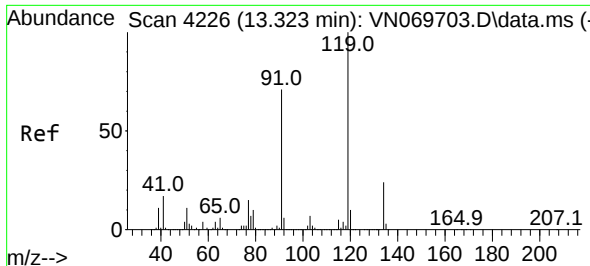
Tgt Ion: 75 Resp: 29795
Ion Ratio Lower Upper
75 100
53 111.2 90.5 135.7
89 106.8 38.2 57.4#



#82
4-Chlorotoluene
Concen: 7.697 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.045 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

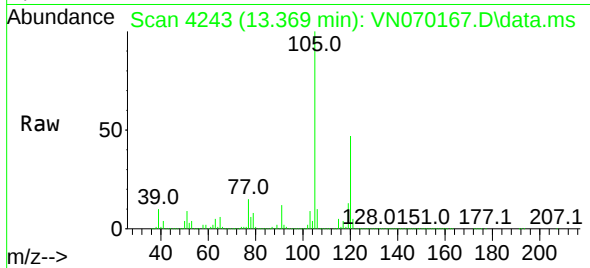
Tgt Ion: 91 Resp: 326472
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#



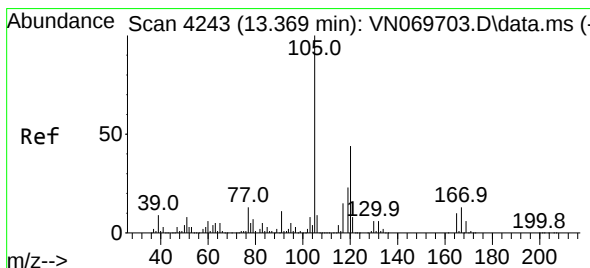
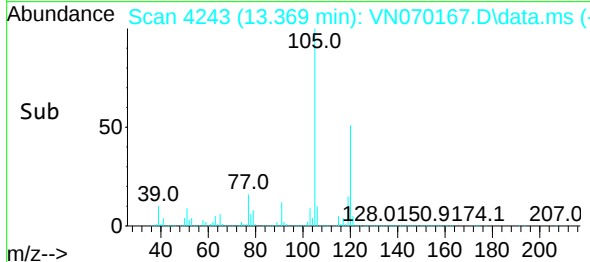
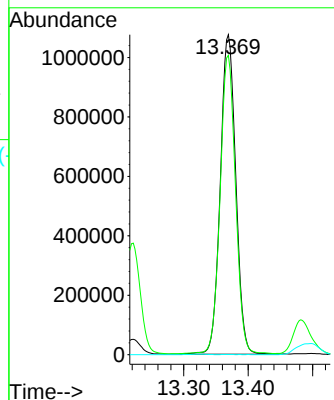


#83
 tert-Butylbenzene
 Concen: 39.190 ug/l
 RT: 13.369 min Scan# 41
 Delta R.T. 0.046 min
 Lab File: VN070167.D
 Acq: 17 Dec 2021 16:36

Instrument :
 MSVOA_N
 ClientSampleId :

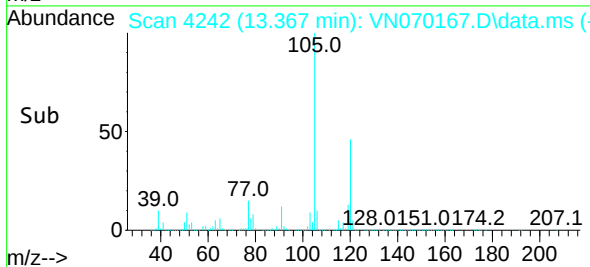
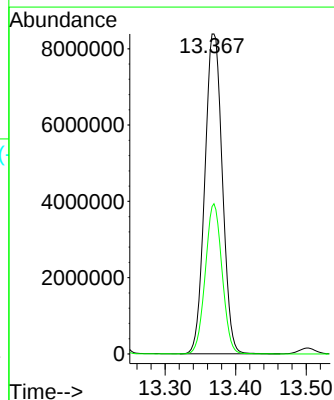
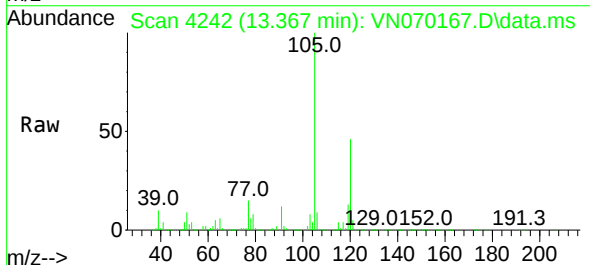


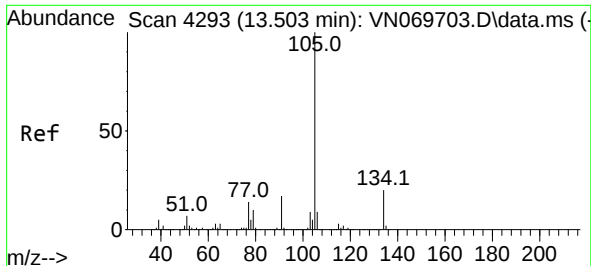
Tgt Ion:119 Resp: 1791573
 Ion Ratio Lower Upper
 119 100
 91 93.3 31.5 94.5
 134 0.0 12.4 37.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 294.195 ug/l
 RT: 13.367 min Scan# 4242
 Delta R.T. -0.002 min
 Lab File: VN070167.D
 Acq: 17 Dec 2021 16:36

Tgt Ion:105 Resp:14465235
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.4

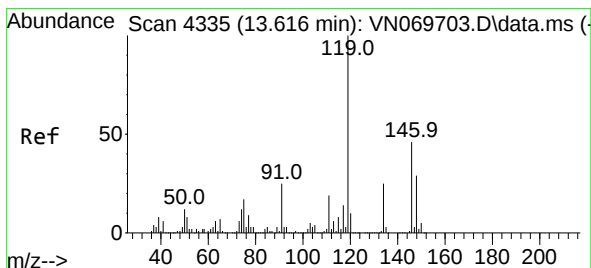
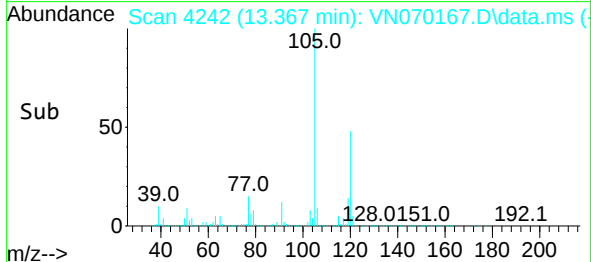
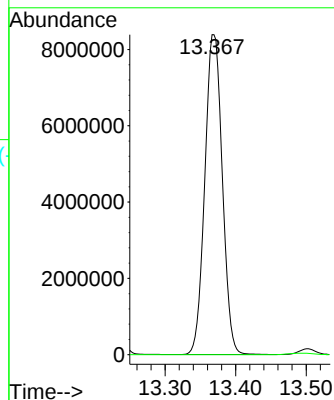
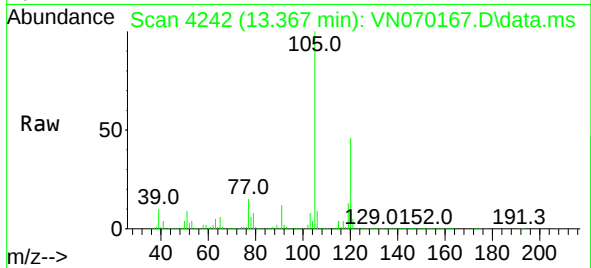




#85
 sec-Butylbenzene
 Concen: 233.137 ug/l
 RT: 13.367 min Scan# 41
 Delta R.T. -0.137 min
 Lab File: VN070167.D
 Acq: 17 Dec 2021 16:36

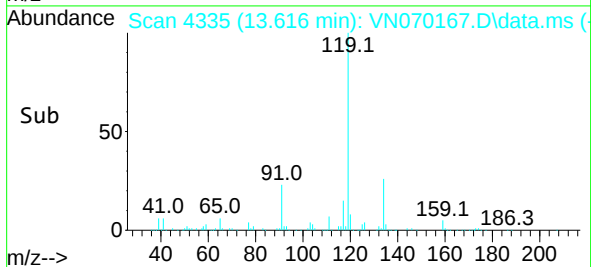
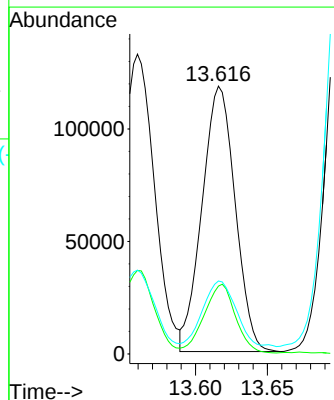
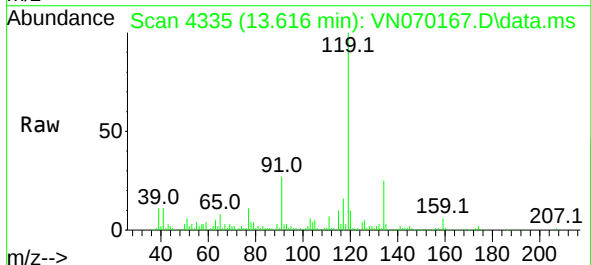
Instrument :
 MSVOA_N
 ClientSampleId :

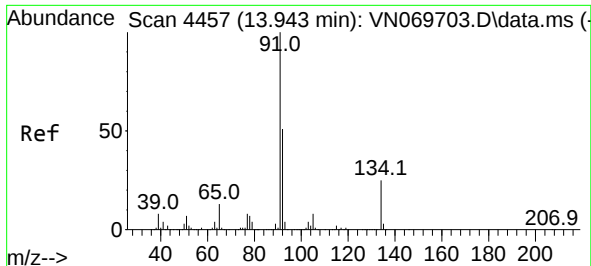
Tgt Ion:105 Resp:14456633
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 3.899 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070167.D
 Acq: 17 Dec 2021 16:36

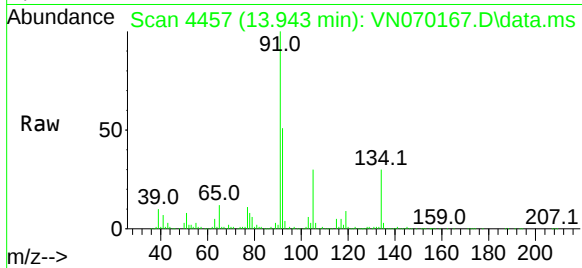
Tgt Ion:119 Resp: 188977
 Ion Ratio Lower Upper
 119 100
 134 24.6 13.6 40.7
 91 0.0 11.4 34.1#



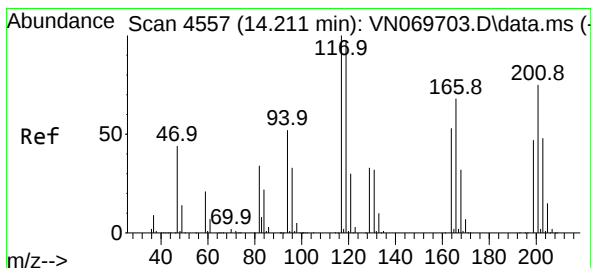
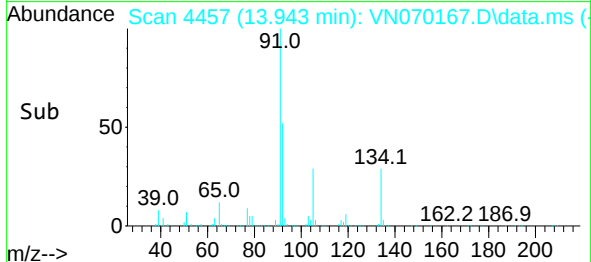
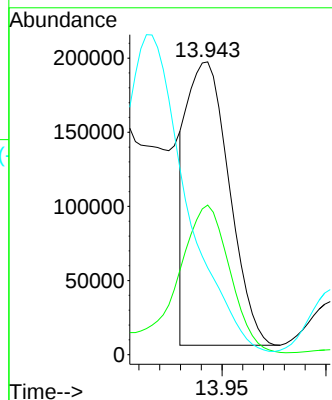


#89
n-Butylbenzene
Concen: 6.881 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Instrument :
MSVOA_N
ClientSampleId :

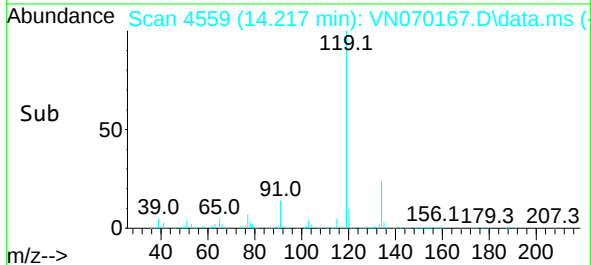
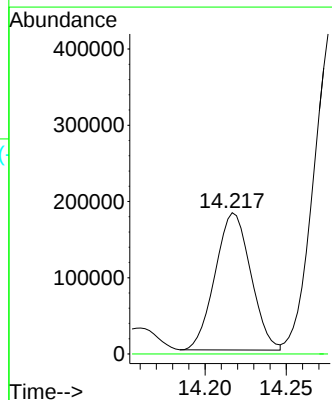
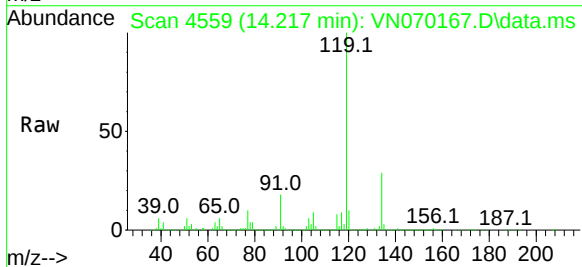


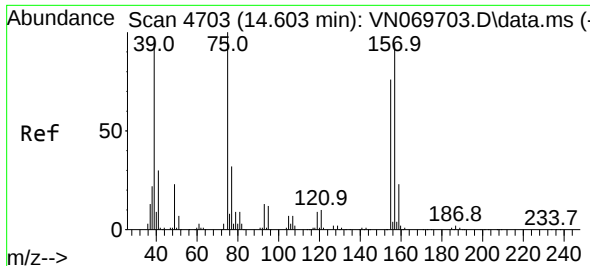
Tgt Ion: 91 Resp: 270531
Ion Ratio Lower Upper
91 100
92 63.3 25.4 76.0
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 32.302 ug/l
RT: 14.217 min Scan# 4559
Delta R.T. 0.006 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

Tgt Ion: 117 Resp: 274886
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

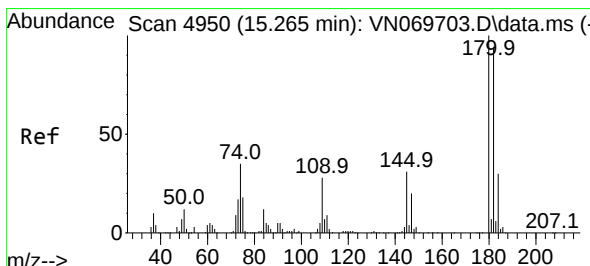
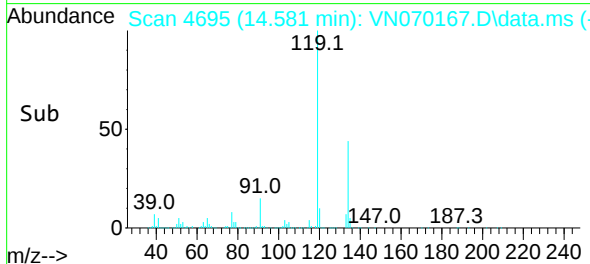
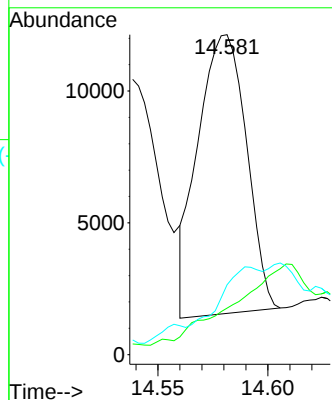
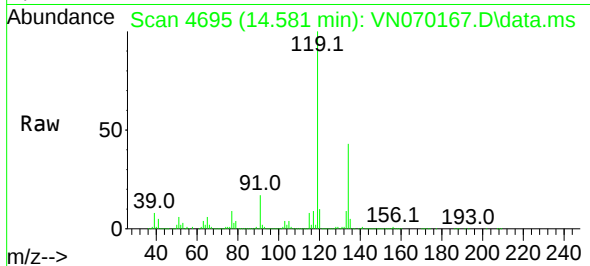




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.046 ug/l
RT: 14.581 min Scan# 41
Delta R.T. -0.021 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

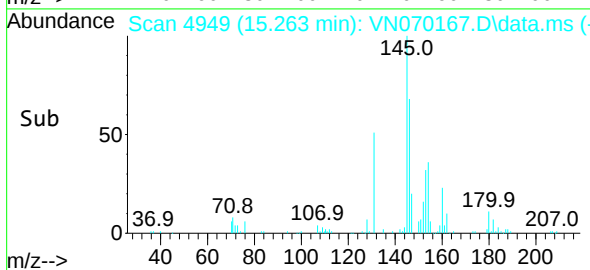
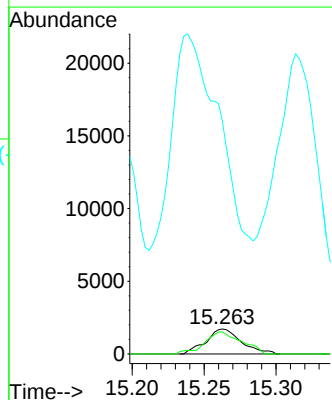
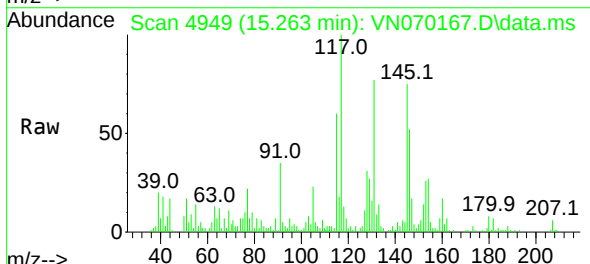
Instrument :
MSVOA_N
ClientSampleId :

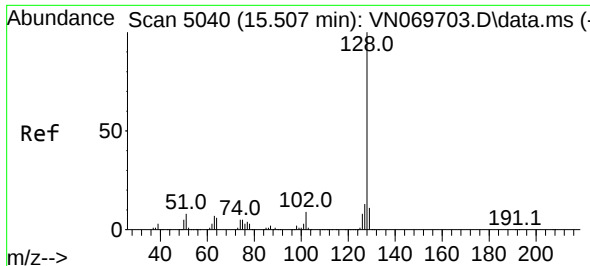
Tgt Ion: 75 Resp: 16216
Ion Ratio Lower Upper
75 100
155 0.0 46.9 140.7#
157 17.4 60.6 181.7#



#93
1,2,4-Trichlorobenzene
Concen: 3.111 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

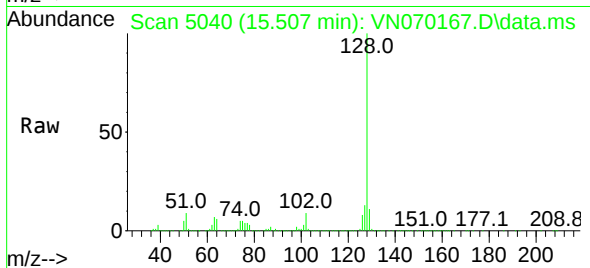
Tgt Ion:180 Resp: 2921
Ion Ratio Lower Upper
180 100
182 92.0 48.3 144.9
145 0.0 14.5 43.5#



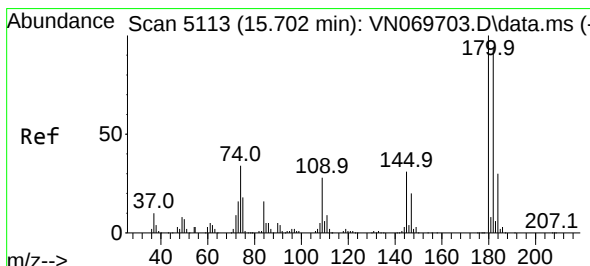
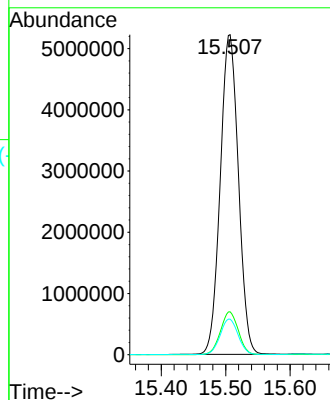
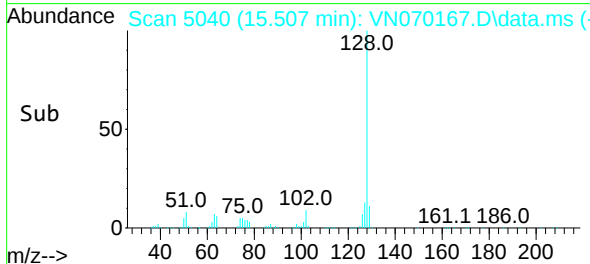


#95
Naphthalene
Concen: 270.911 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36

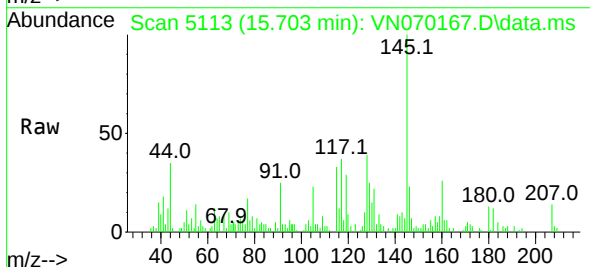
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp:10219027
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.709 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN070167.D
Acq: 17 Dec 2021 16:36



Tgt Ion:180 Resp: 3319
Ion Ratio Lower Upper
180 100
182 87.3 47.4 142.2
145 0.0 15.0 45.1#

