

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070519.D
 Acq On : 6 Jan 2022 15:11
 Operator : JC/MD
 Sample : N1012-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:39:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

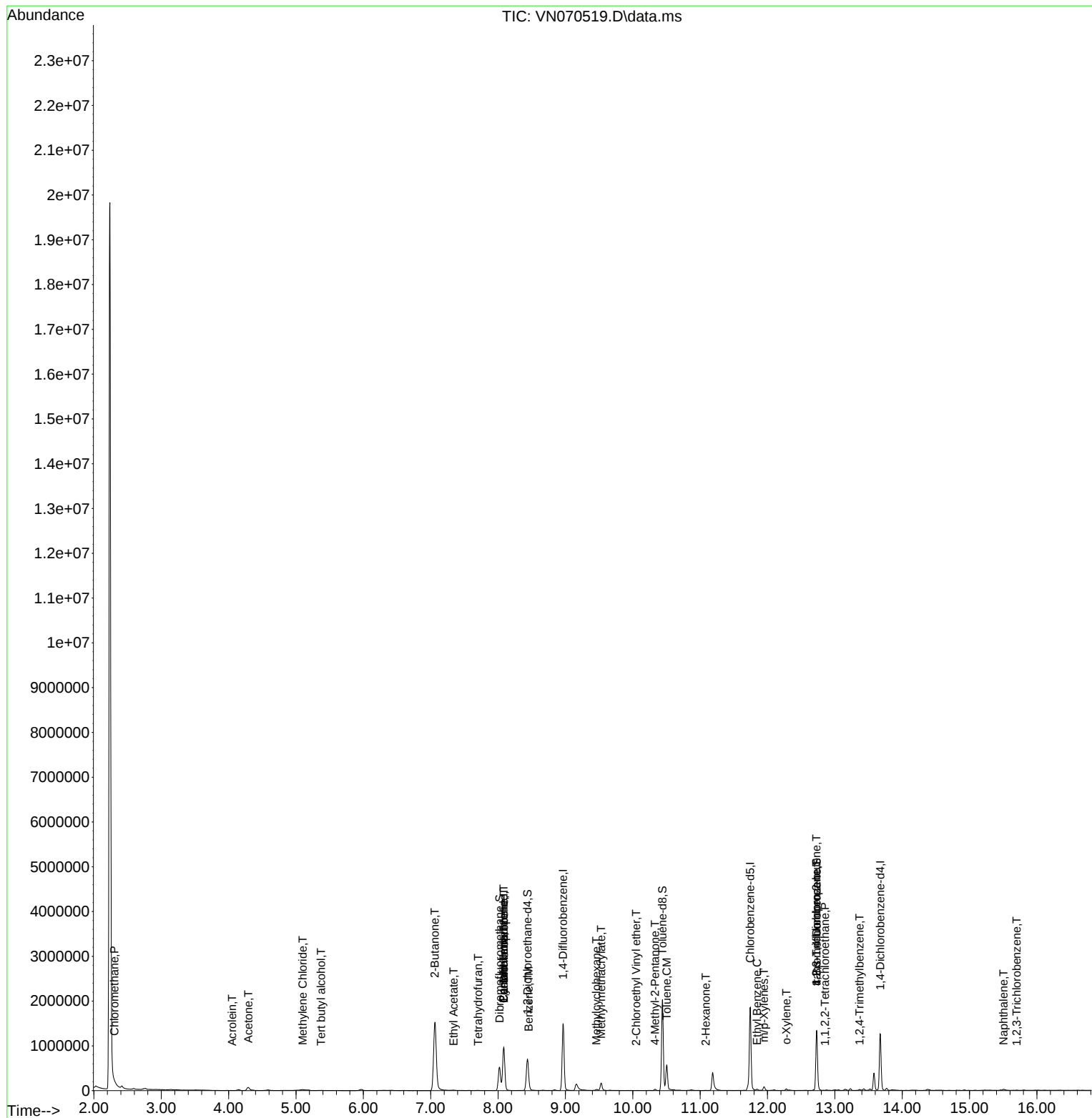
Internal Standards						
1) Pentafluorobenzene	8.083	168	742225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1291625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1068731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	348594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	566227	53.058	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.120%			
35) Dibromofluoromethane	8.021	113	388768	49.747	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.500%			
50) Toluene-d8	10.440	98	1392561	43.620	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 87.240%			
62) 4-Bromofluorobenzene	12.731	95	488448	42.361	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.720%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	6786	0.593	ug/l #	88
11) Tert butyl alcohol	5.374	59	8674	4.882	ug/l #	76
13) Acrolein	4.052	56	791	0.549	ug/l	93
16) Acetone	4.293	43	131477	18.979	ug/l	98
20) Methylene Chloride	5.098	84	8485	0.885	ug/l	94
25) 2-Butanone	7.061	43	767578	87.997	ug/l #	23
29) Tetrahydrofuran	7.705	42	3621	0.696	ug/l #	58
31) Cyclohexane	8.083	56	20869	1.239	ug/l #	21
36) 1,1-Dichloropropene	8.086	75	59812	4.627	ug/l #	48
37) Ethyl Acetate	7.340	43	5676	0.339	ug/l #	69
38) Carbon Tetrachloride	8.083	117	72306	5.857	ug/l #	16
39) Methylcyclohexane	9.459	83	5981	0.382	ug/l #	91
40) Benzene	8.456	78	35579	0.898	ug/l	96
48) Methyl methacrylate	9.531	41	47535	3.772	ug/l #	35
51) 4-Methyl-2-Pentanone	10.331	43	20770	1.251	ug/l	95
52) Toluene	10.505	92	241254	10.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.052	63	25	18.519	ug/l #	45
59) 2-Hexanone	11.084	43	4252	0.351	ug/l	72
67) Ethyl Benzene	11.843	91	17009	0.409	ug/l	99
68) m/p-Xylenes	11.948	106	27149	1.795	ug/l	97
69) o-Xylene	12.280	106	8905	0.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.854	83	1327	0.559	ug/l #	25
76) 1,2,3-Trichloropropane	12.728	75	249046	25.547	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	249046	87.287	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	13396	0.536	ug/l	90
95) Naphthalene	15.504	128	22700	3.175	ug/l	97
96) 1,2,3-Trichlorobenzene	15.700	180	766	0.963	ug/l	93

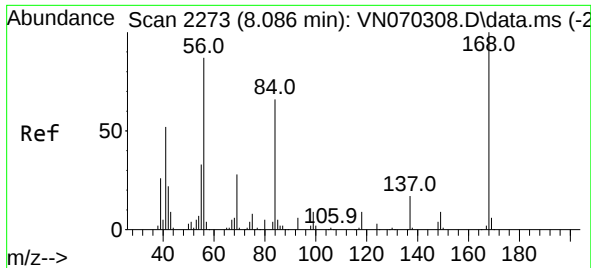
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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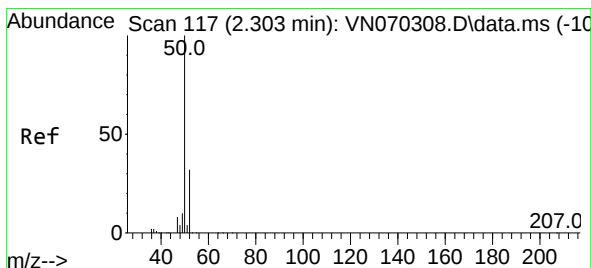
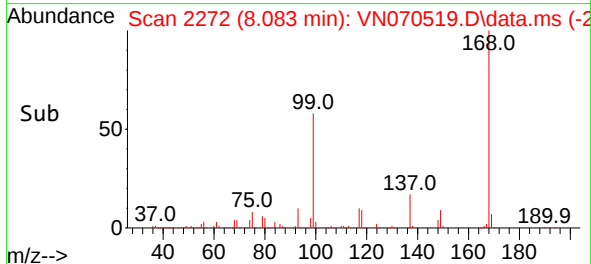
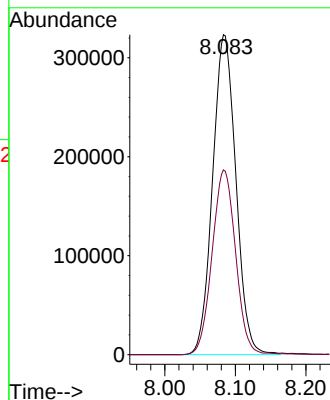
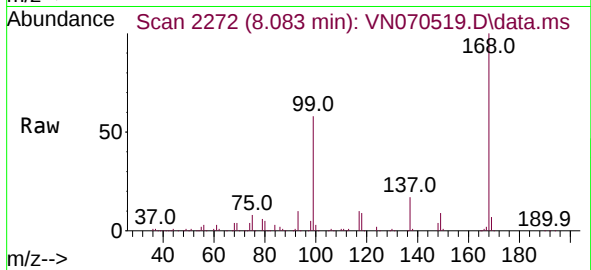




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

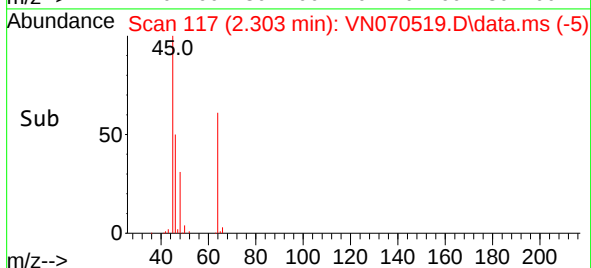
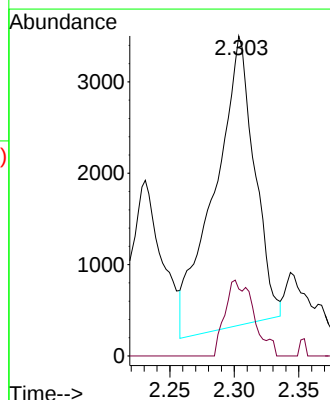
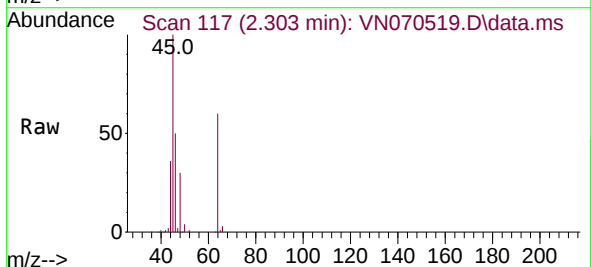
Instrument :
MSVOA_N
ClientSampleId :

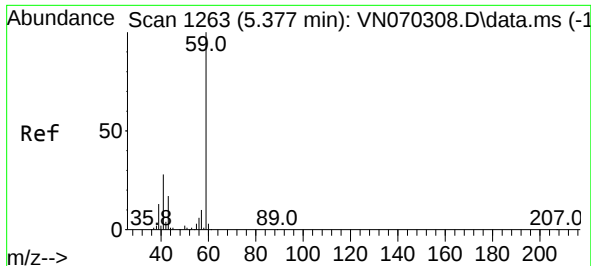
Tgt Ion:168 Resp: 742225
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.593 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 50 Resp: 6786
Ion Ratio Lower Upper
50 100
52 25.2 25.4 38.0#





#11

Tert butyl alcohol

Concen: 4.882 ug/l

RT: 5.374 min Scan# 11

Delta R.T. -0.003 min

Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

Instrument :

MSVOA_N

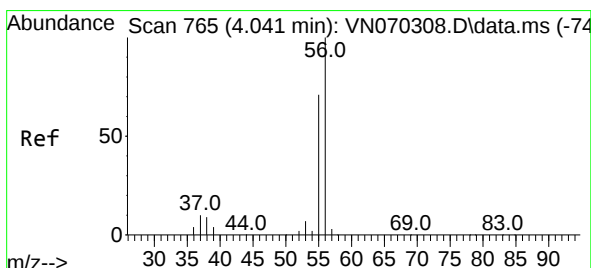
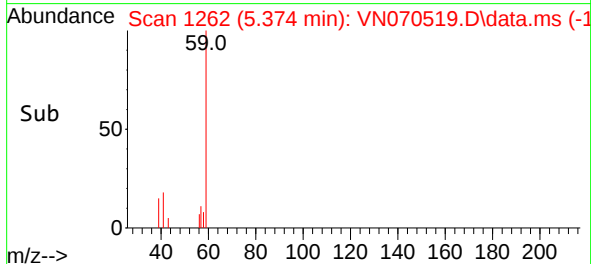
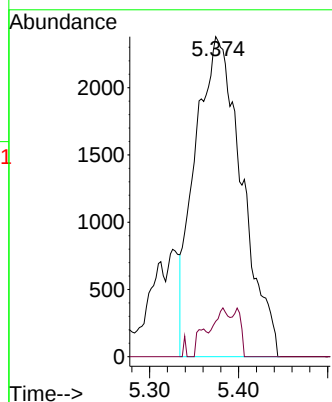
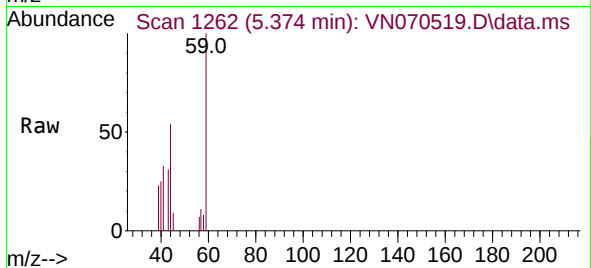
ClientSampleId :

Tgt Ion: 59 Resp: 8674

Ion Ratio Lower Upper

59 100

57 2.0 8.7 13.1#



#13

Acrolein

Concen: 0.549 ug/l

RT: 4.052 min Scan# 769

Delta R.T. 0.011 min

Lab File: VN070519.D

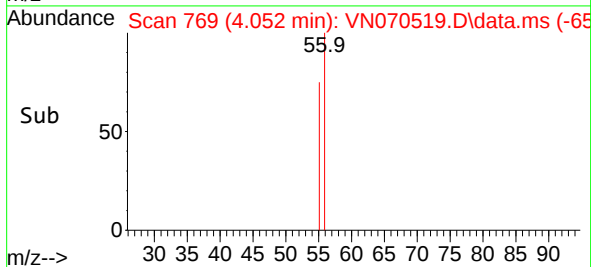
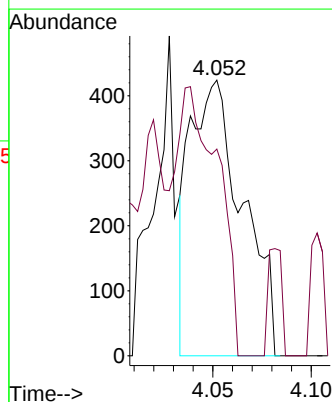
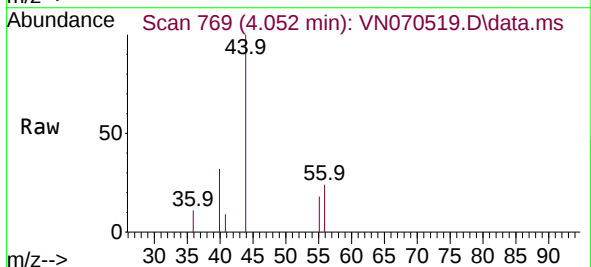
Acq: 6 Jan 2022 15:11

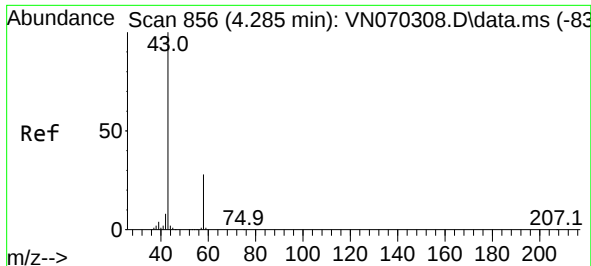
Tgt Ion: 56 Resp: 791

Ion Ratio Lower Upper

56 100

55 76.2 56.6 85.0

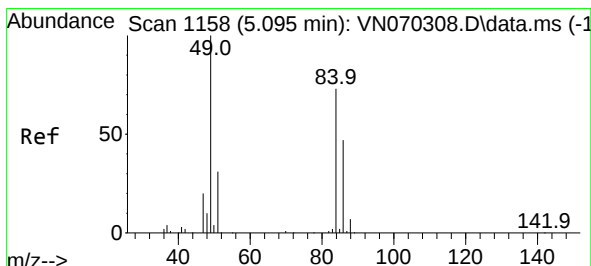
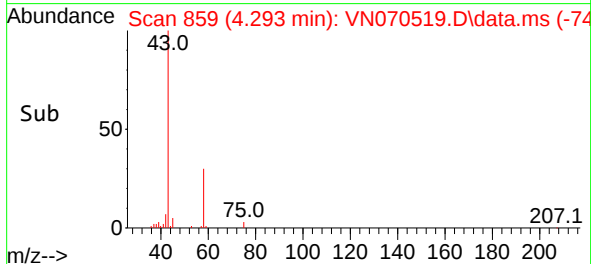
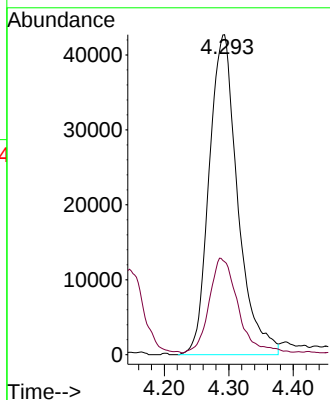
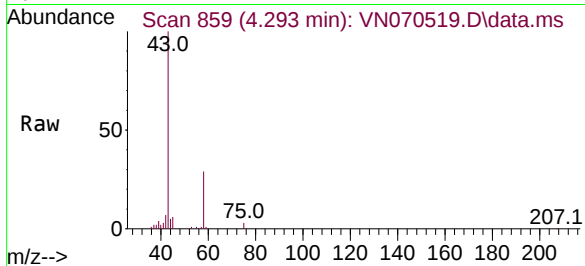




#16
Acetone
Concen: 18.979 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

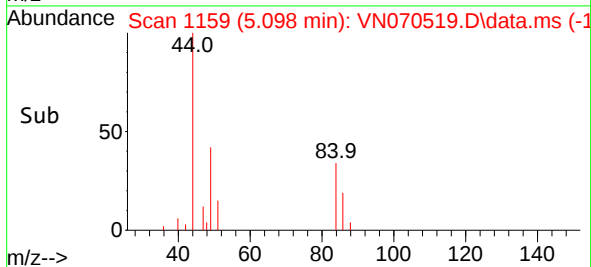
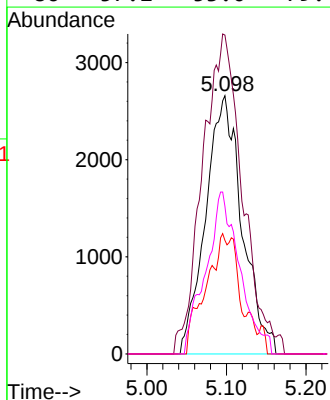
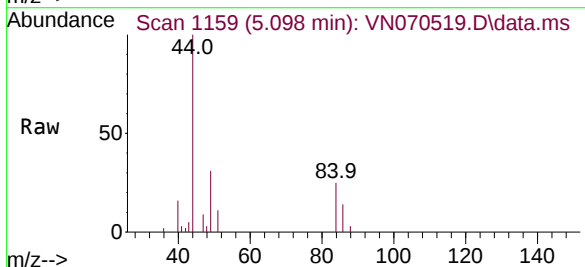
Instrument :
MSVOA_N
ClientSampleId :

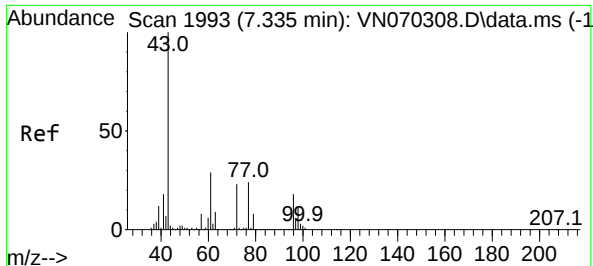
Tgt Ion: 43 Resp: 131477
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



#20
Methylene Chloride
Concen: 0.885 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 84 Resp: 8485
Ion Ratio Lower Upper
84 100
49 116.3 93.5 140.3
51 44.0 29.4 44.2
86 57.2 53.0 79.4





#25

2-Butanone

Concen: 87.997 ug/l

RT: 7.061 min Scan# 11

Delta R.T. -0.274 min

Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

Instrument :

MSVOA_N

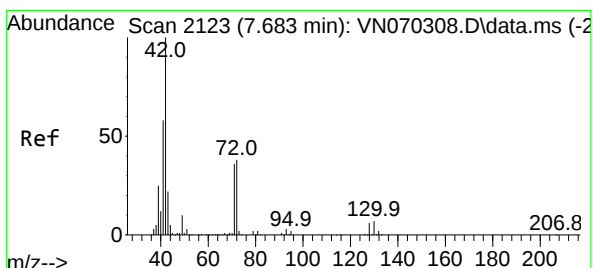
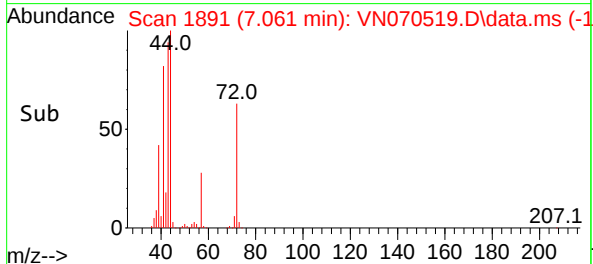
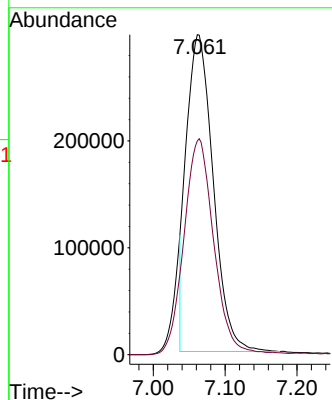
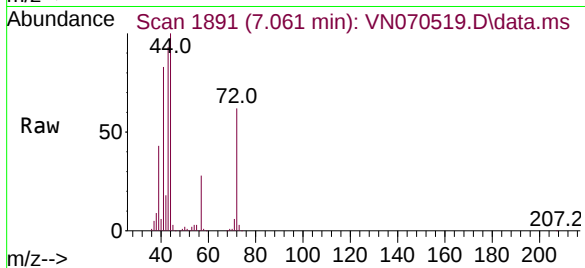
ClientSampleId :

Tgt Ion: 43 Resp: 767578

Ion Ratio Lower Upper

43 100

72 66.9 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.696 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.022 min

Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

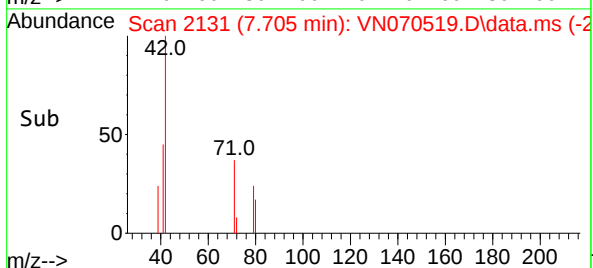
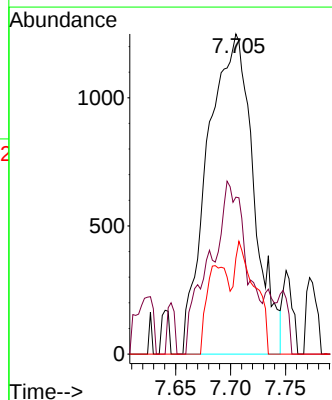
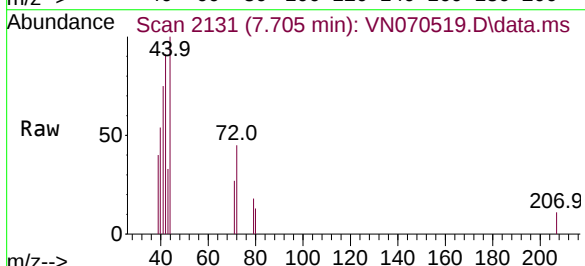
Tgt Ion: 42 Resp: 3621

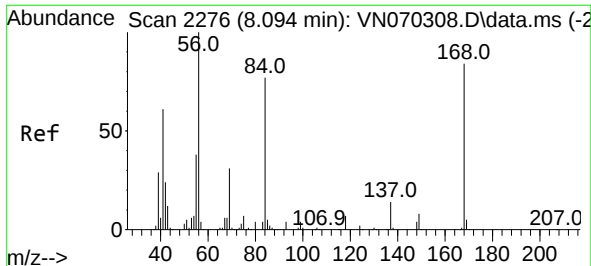
Ion Ratio Lower Upper

42 100

72 18.4 36.3 54.5#

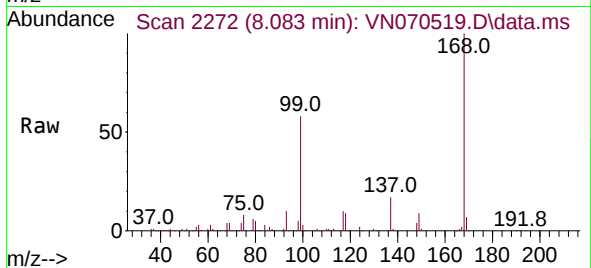
71 16.0 34.7 52.1#



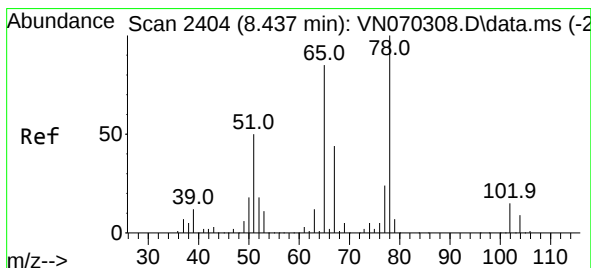
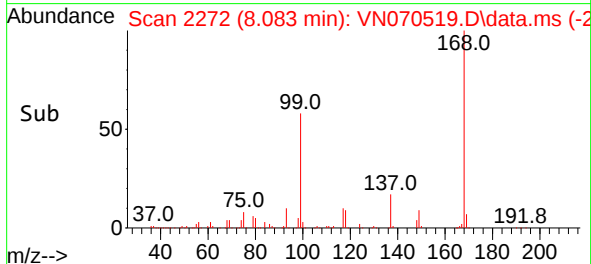
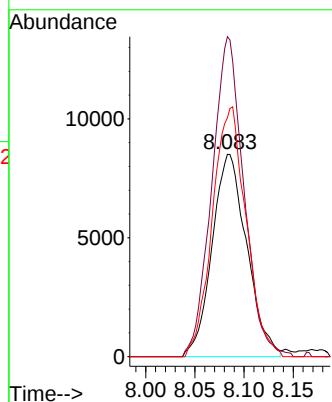


#31
Cyclohexane
Concen: 1.239 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Instrument :
MSVOA_N
ClientSampleId :

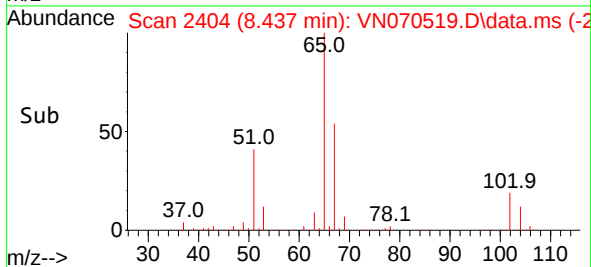
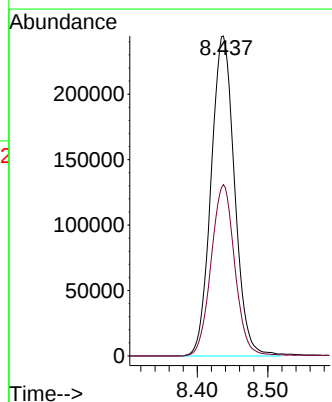
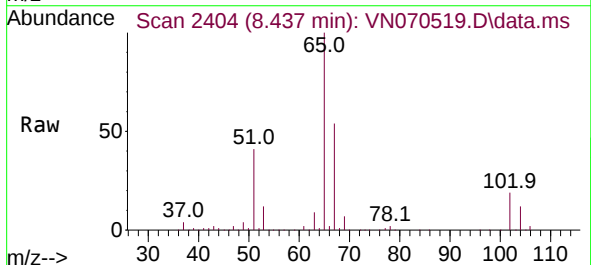


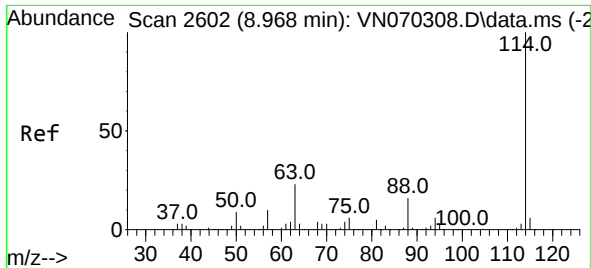
Tgt Ion: 56 Resp: 20869
Ion Ratio Lower Upper
56 100
69 158.2 27.1 40.7#
84 118.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.058 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 65 Resp: 566227
Ion Ratio Lower Upper
65 100
67 54.1 0.0 103.0

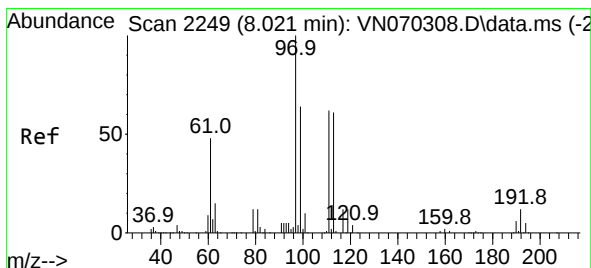
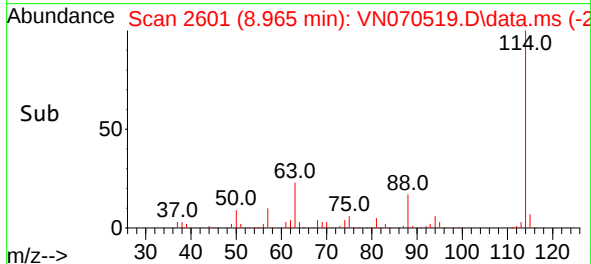
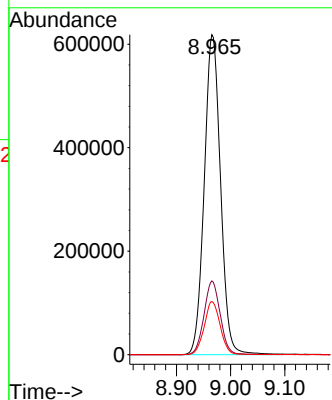
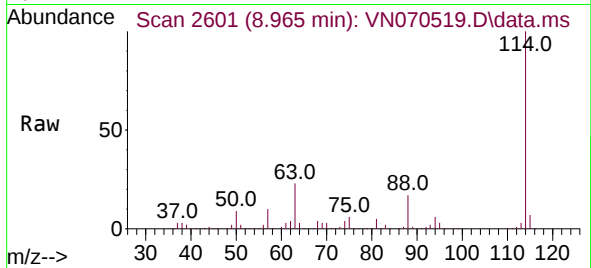




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN070519.D
 Acq: 6 Jan 2022 15:11

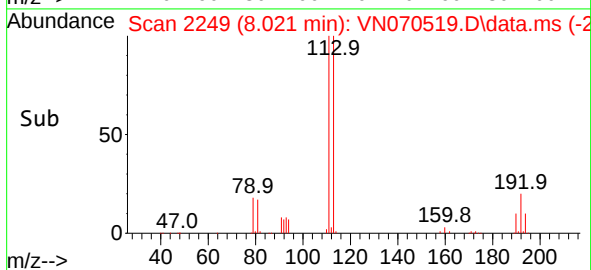
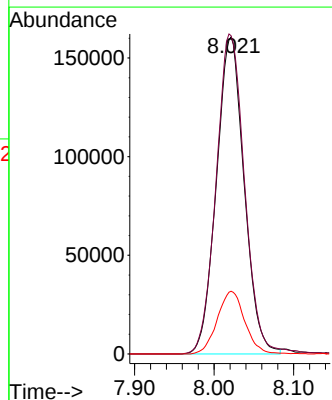
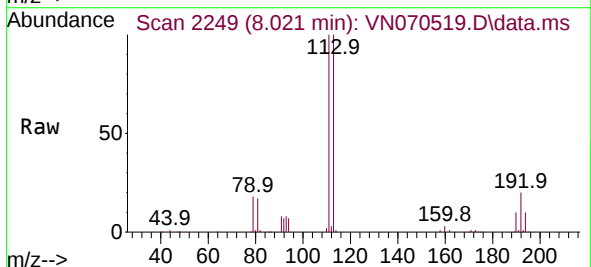
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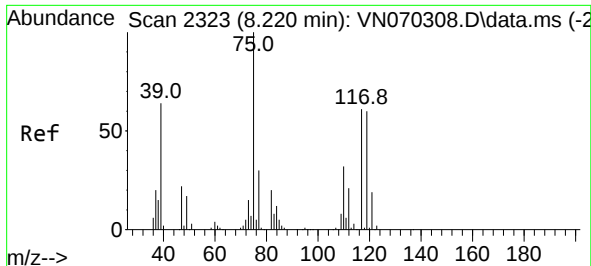
Tgt Ion:114 Resp: 1291625
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 37.8
 88 16.6 0.0 27.4



#35
 Dibromofluoromethane
 Concen: 49.747 ug/l
 RT: 8.021 min Scan# 2249
 Delta R.T. 0.000 min
 Lab File: VN070519.D
 Acq: 6 Jan 2022 15:11

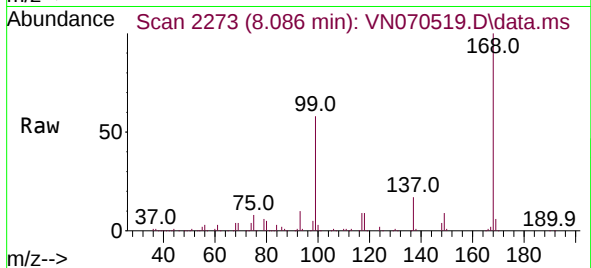
Tgt Ion:113 Resp: 388768
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.2 123.2
 192 19.7 16.9 25.3



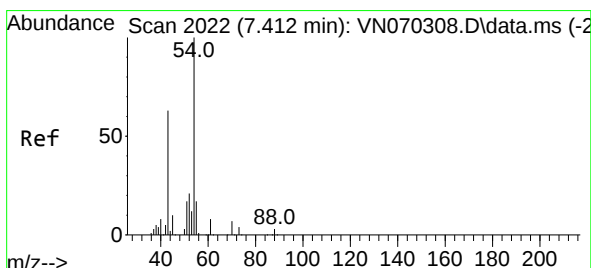
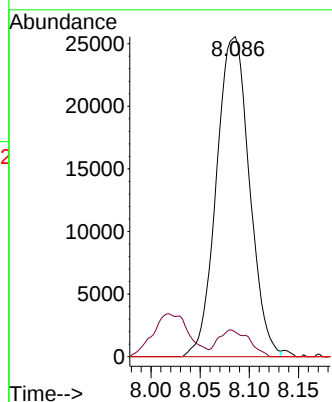
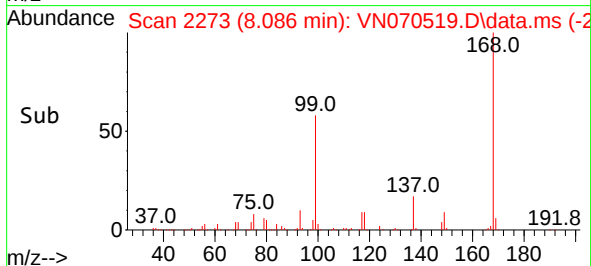


#36
1,1-Dichloropropene
Concen: 4.627 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

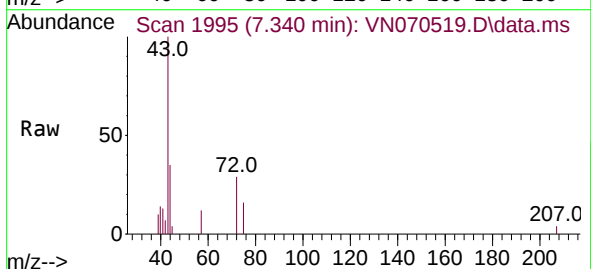
Instrument :
MSVOA_N
ClientSampleId :



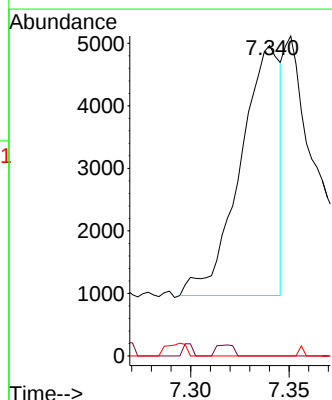
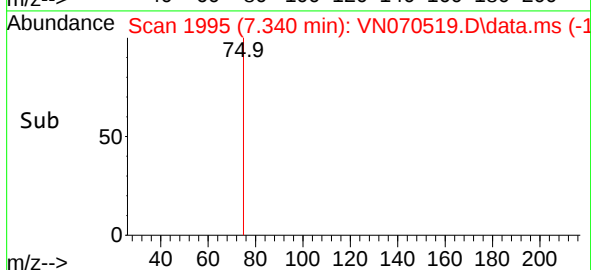
Tgt Ion: 75 Resp: 59812
Ion Ratio Lower Upper
75 100
110 7.8 18.4 55.2#
77 0.0 24.4 36.6#

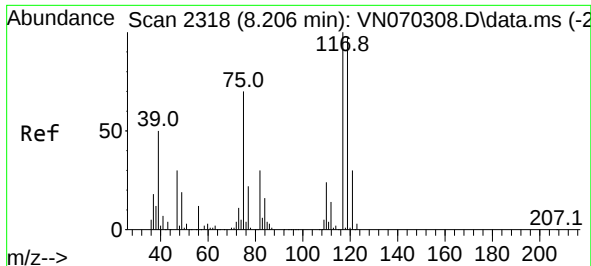


#37
Ethyl Acetate
Concen: 0.339 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.072 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11



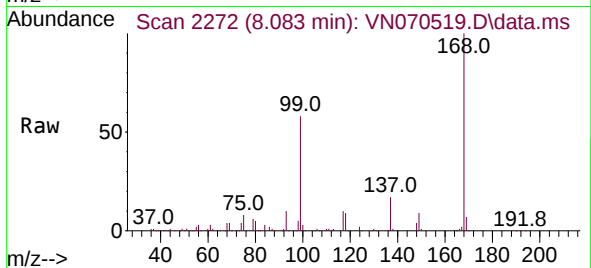
Tgt Ion: 43 Resp: 5676
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.5 7.9 11.9#



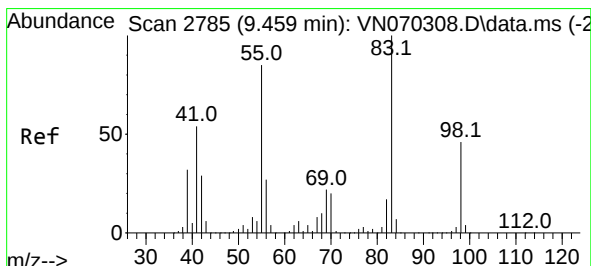
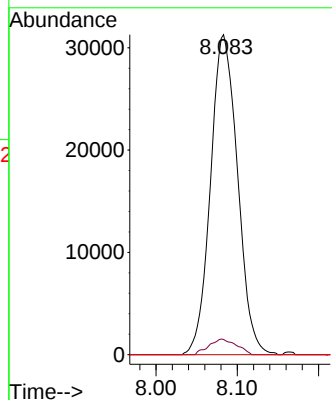
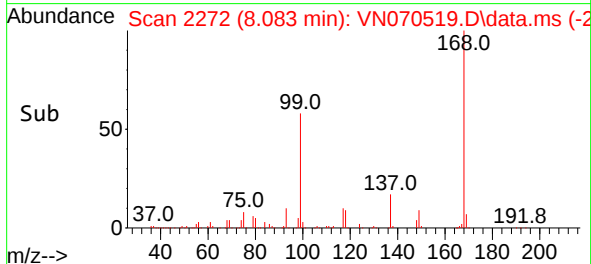


#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Instrument :
MSVOA_N
ClientSampleId :

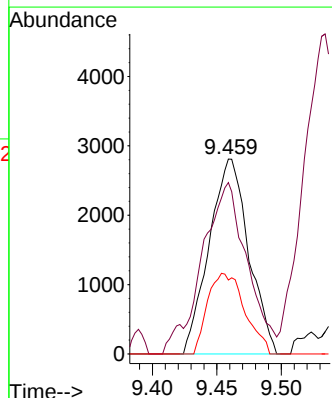
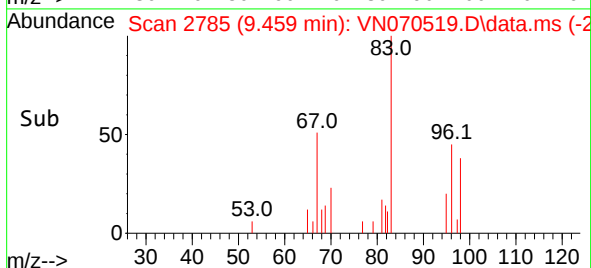
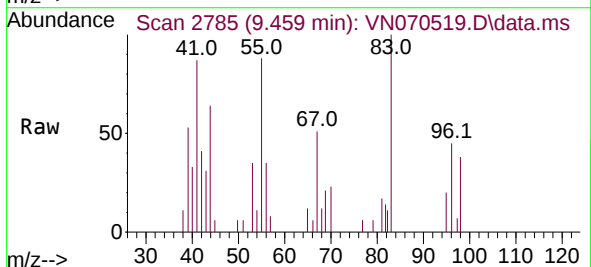


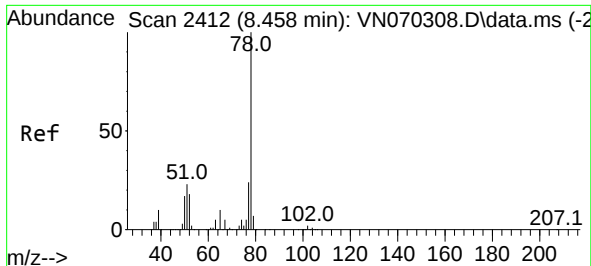
Tgt Ion:117 Resp: 72306
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.382 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 83 Resp: 5981
Ion Ratio Lower Upper
83 100
55 76.5 58.1 87.1
98 37.9 38.4 57.6#

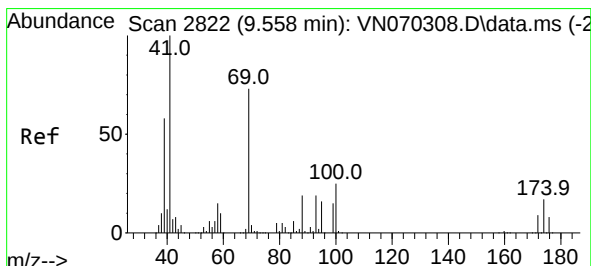
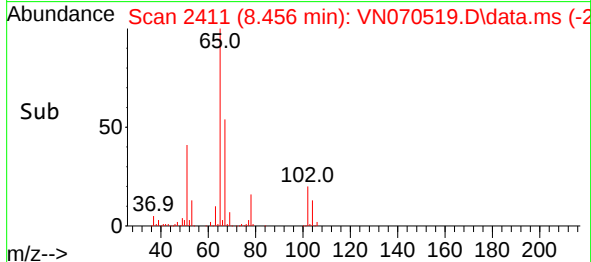
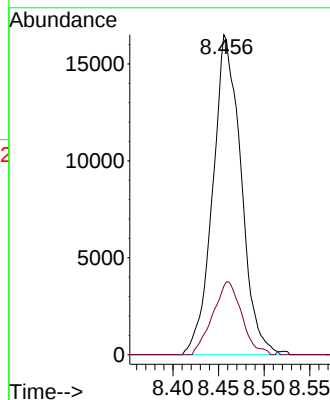
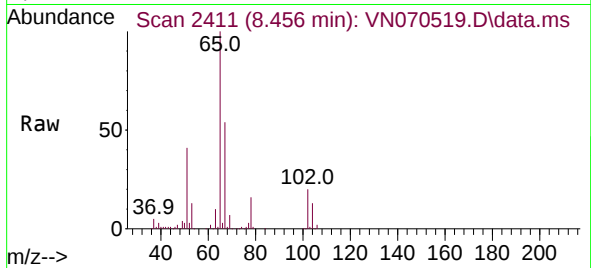




#40
Benzene
Concen: 0.898 ug/l
RT: 8.456 min Scan# 2412
Delta R.T. -0.002 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

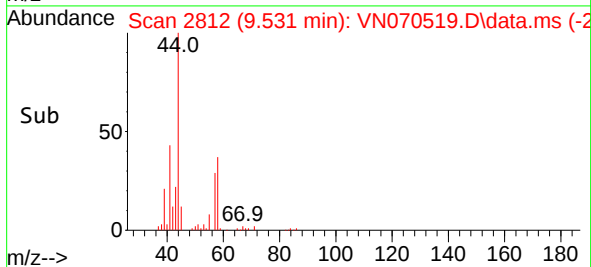
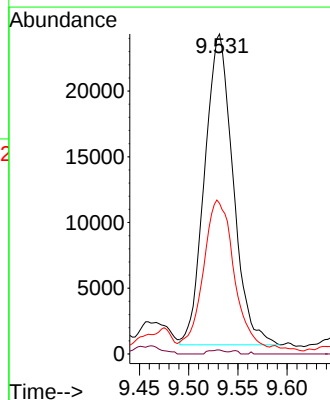
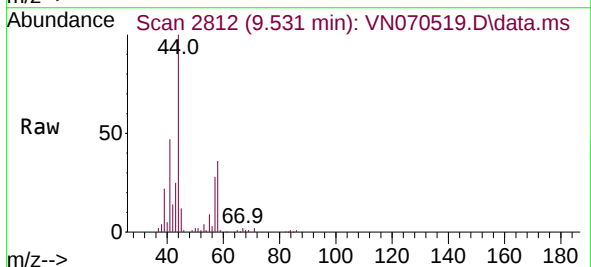
Instrument :
MSVOA_N
ClientSampleId :

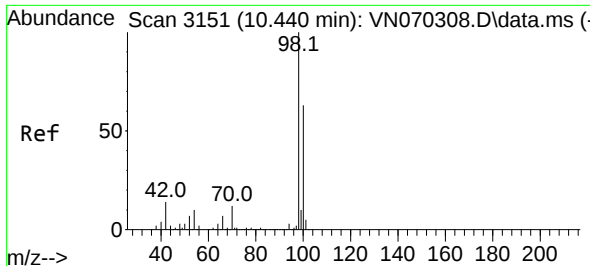
Tgt Ion: 78 Resp: 35579
Ion Ratio Lower Upper
78 100
77 21.4 18.6 27.8



#48
Methyl methacrylate
Concen: 3.772 ug/l
RT: 9.531 min Scan# 2812
Delta R.T. -0.027 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 41 Resp: 47535
Ion Ratio Lower Upper
41 100
69 0.7 72.4 108.6#
39 50.1 58.4 87.6#

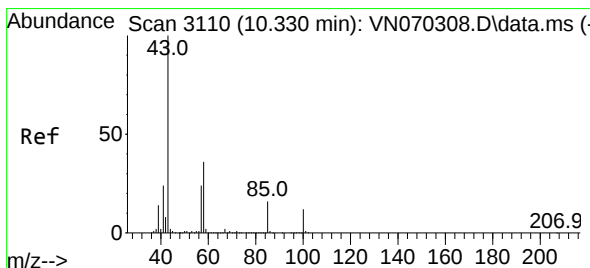
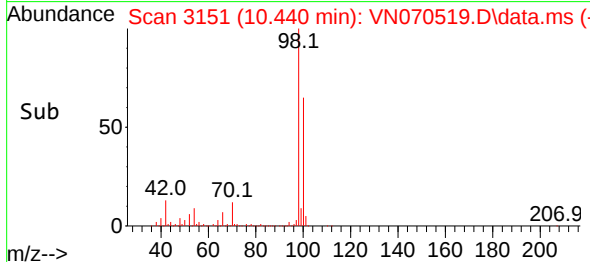
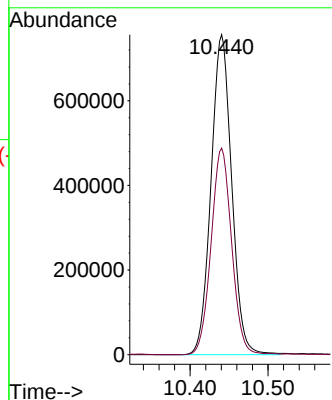
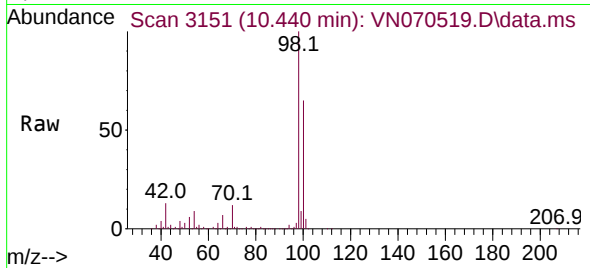




#50
Toluene-d8
Concen: 43.620 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

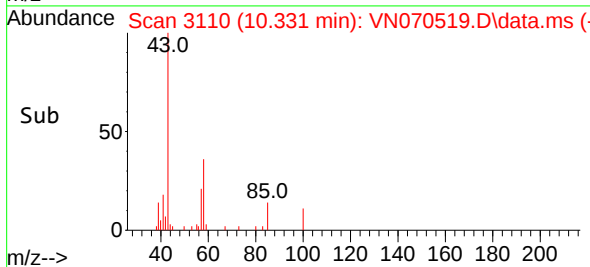
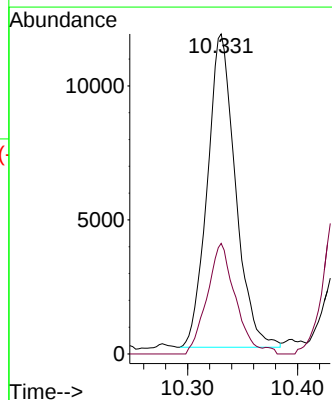
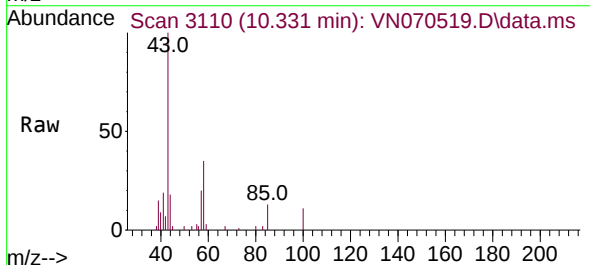
Instrument :
MSVOA_N
ClientSampleId :

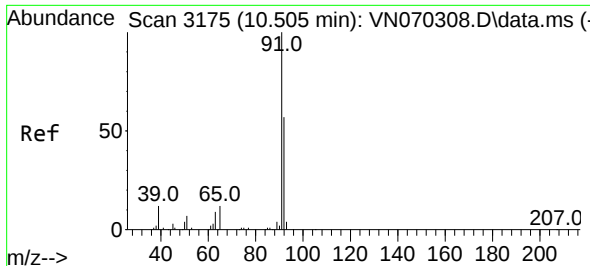
Tgt Ion: 98 Resp: 1392561
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.251 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 43 Resp: 20770
Ion Ratio Lower Upper
43 100
58 35.0 30.4 45.6

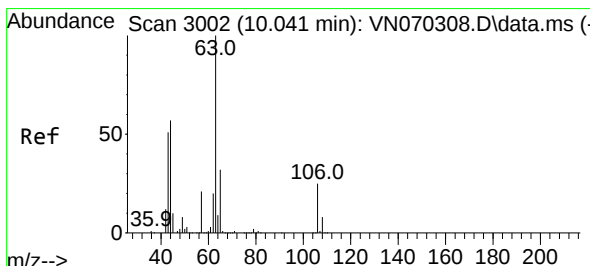
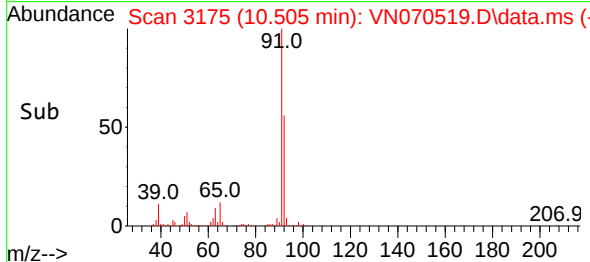
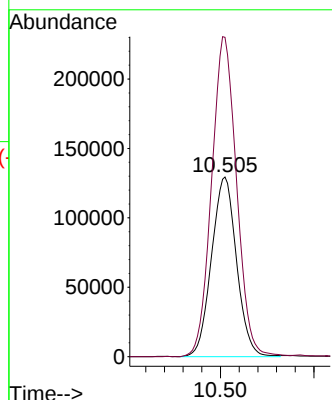
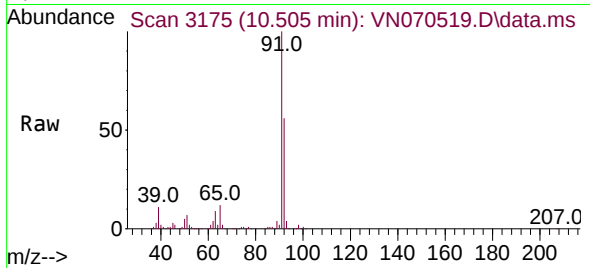




#52
Toluene
Concen: 10.056 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

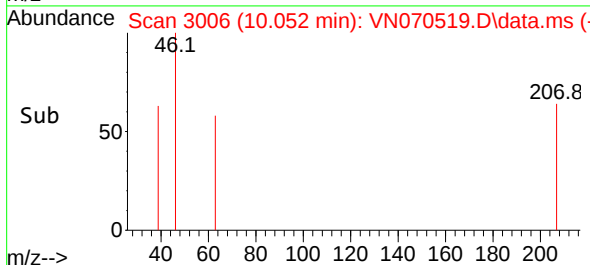
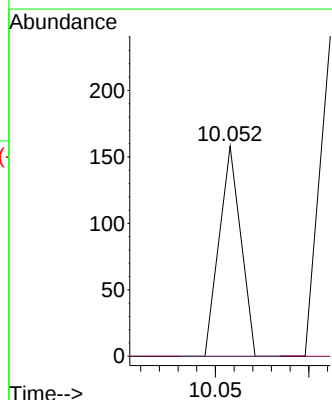
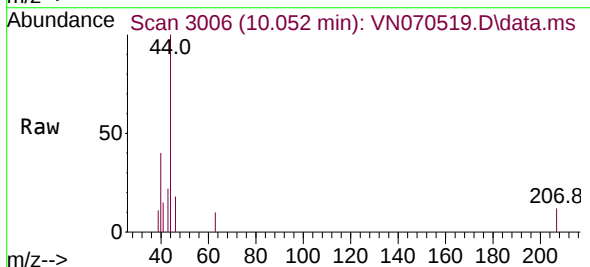
Instrument :
MSVOA_N
ClientSampleId :

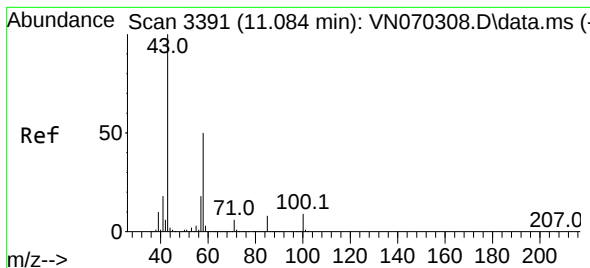
Tgt Ion: 92 Resp: 241254
Ion Ratio Lower Upper
92 100
91 178.0 142.0 213.0



#58
2-Chloroethyl Vinyl ether
Concen: 18.519 ug/l
RT: 10.052 min Scan# 3006
Delta R.T. 0.011 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#





#59

2-Hexanone

Concen: 0.351 ug/l

RT: 11.084 min Scan# 3391

Delta R.T. 0.000 min

Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

Instrument :

MSVOA_N

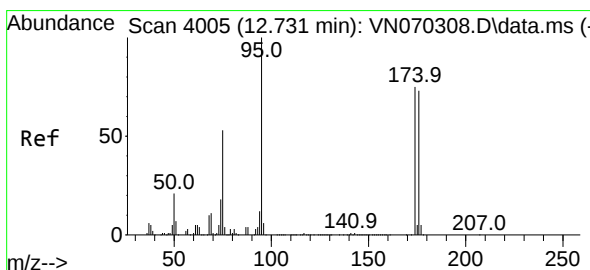
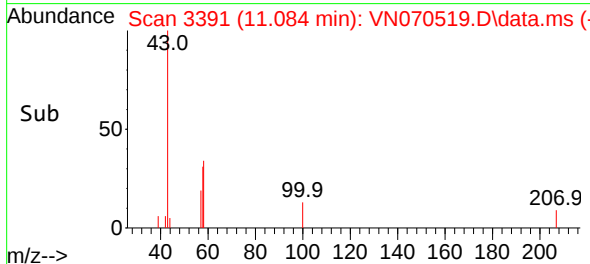
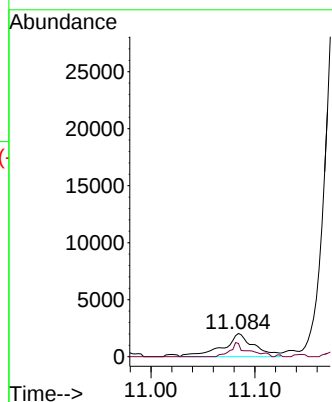
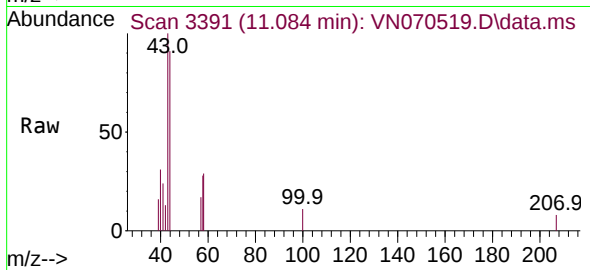
ClientSampleId :

Tgt Ion: 43 Resp: 4252

Ion Ratio Lower Upper

43 100

58 34.1 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 42.361 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.000 min

Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

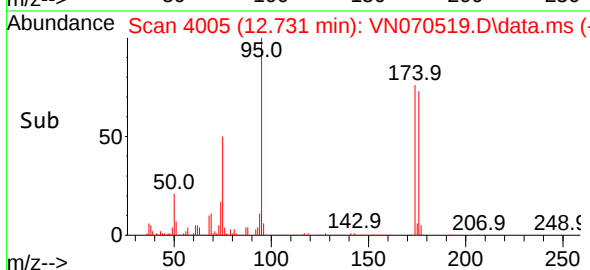
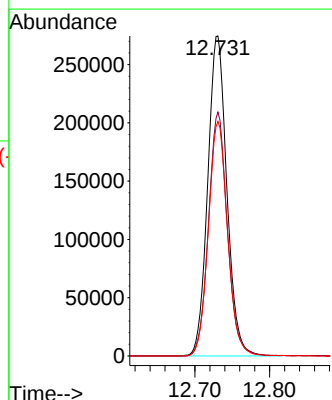
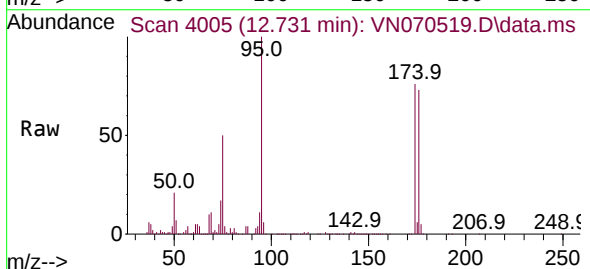
Tgt Ion: 95 Resp: 488448

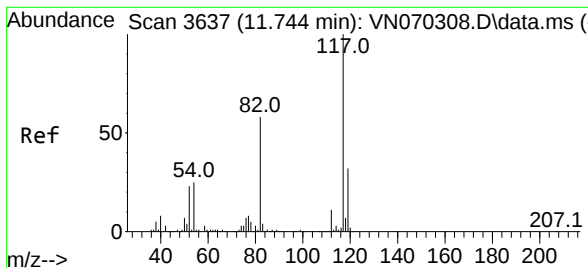
Ion Ratio Lower Upper

95 100

174 75.1 0.0 187.2

176 73.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.000 min

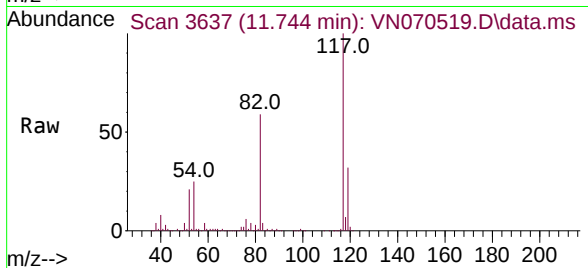
Lab File: VN070519.D

Acq: 6 Jan 2022 15:11

Instrument :

MSVOA_N

ClientSampleId :



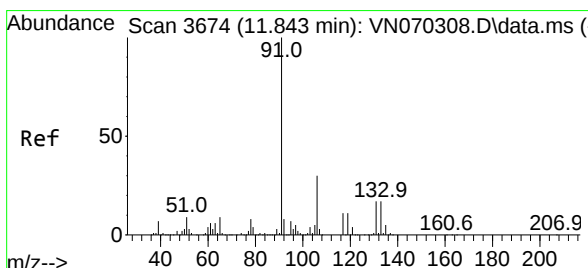
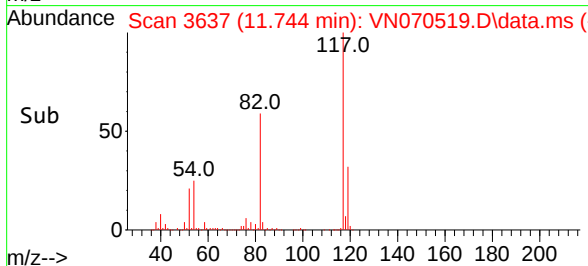
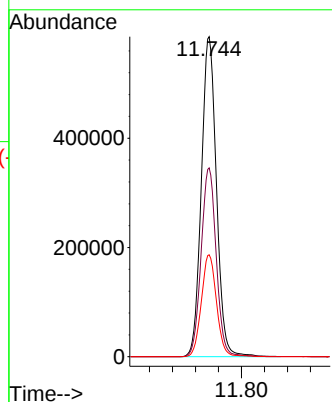
Tgt Ion:117 Resp: 1068731

Ion Ratio Lower Upper

117 100

82 59.0 42.4 63.6

119 31.8 25.4 38.2



#67

Ethyl Benzene

Concen: 0.409 ug/l

RT: 11.843 min Scan# 3674

Delta R.T. 0.000 min

Lab File: VN070519.D

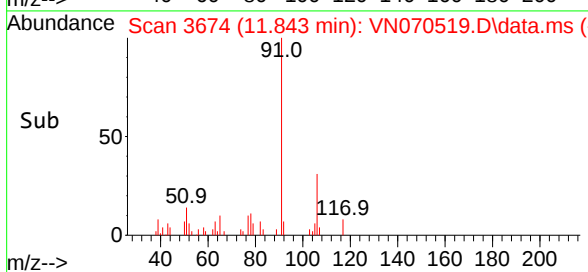
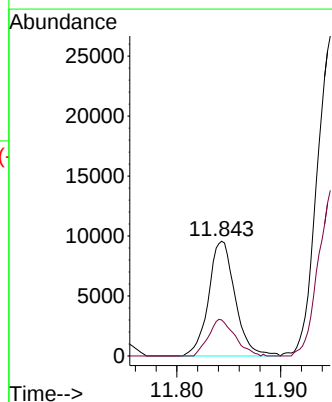
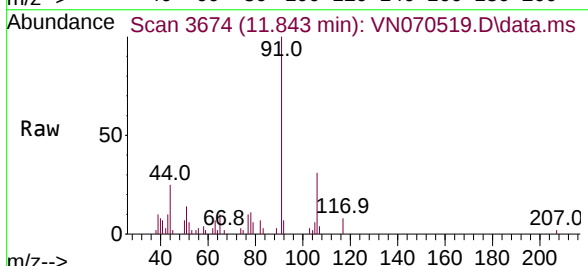
Acq: 6 Jan 2022 15:11

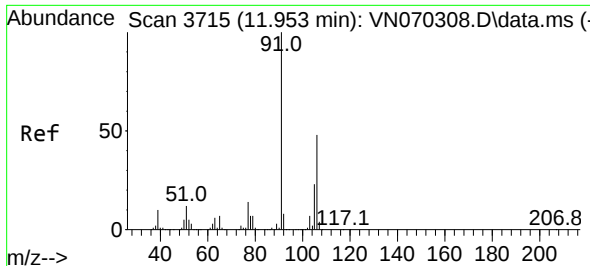
Tgt Ion: 91 Resp: 17009

Ion Ratio Lower Upper

91 100

106 31.4 25.7 38.5

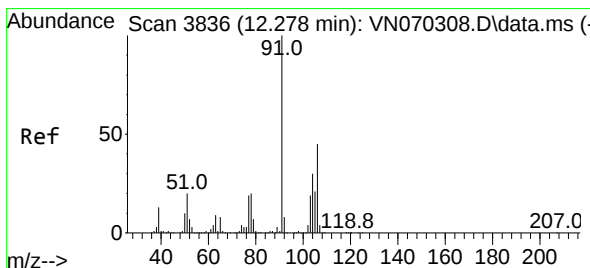
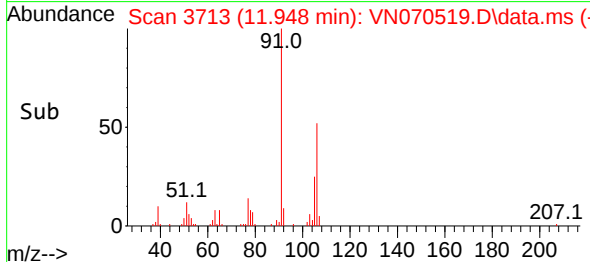
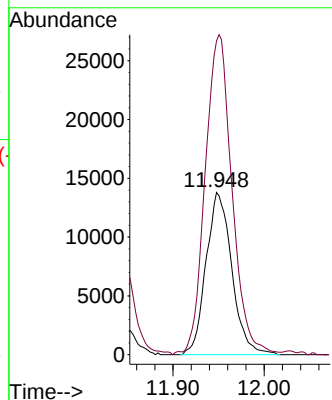
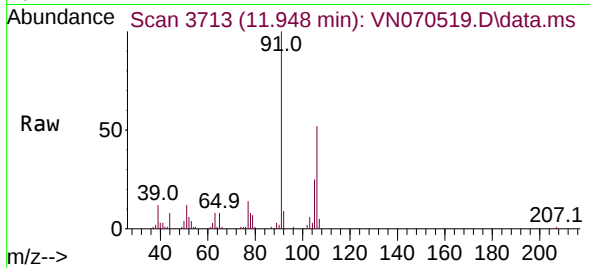




#68
m/p-Xylenes
Concen: 1.795 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

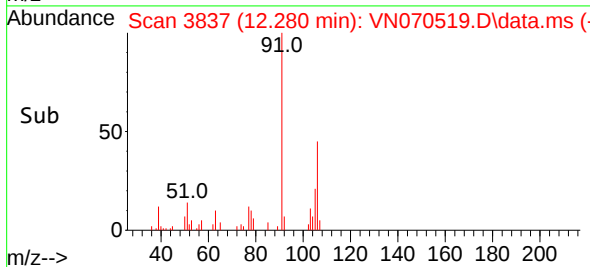
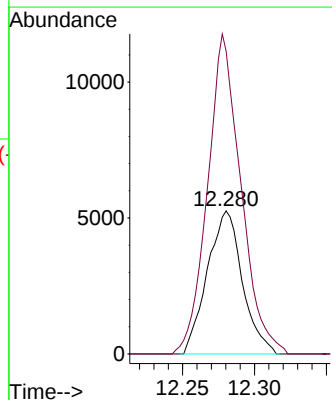
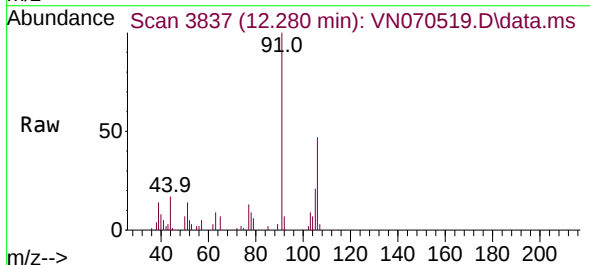
Instrument :
MSVOA_N
ClientSampleId :

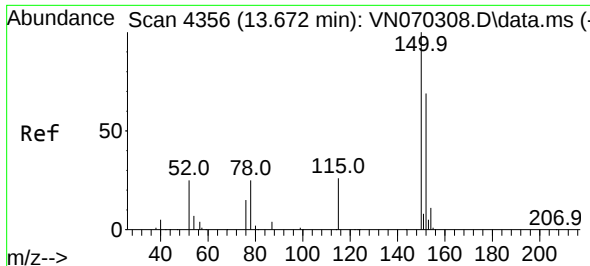
Tgt Ion:106 Resp: 27149
Ion Ratio Lower Upper
106 100
91 205.1 160.6 240.8



#69
o-Xylene
Concen: 0.592 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

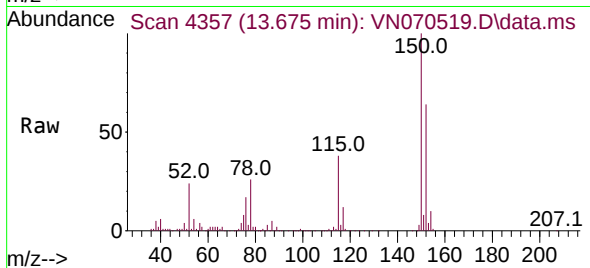
Tgt Ion:106 Resp: 8905
Ion Ratio Lower Upper
106 100
91 213.0 105.8 317.3



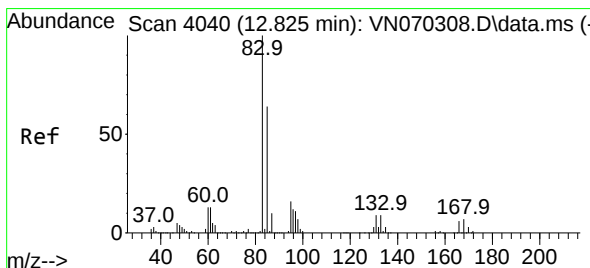
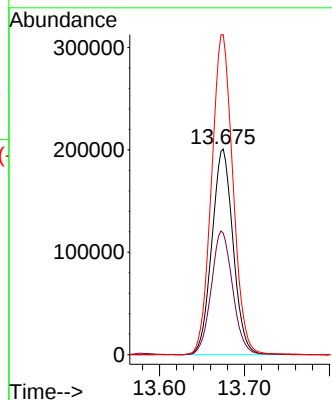
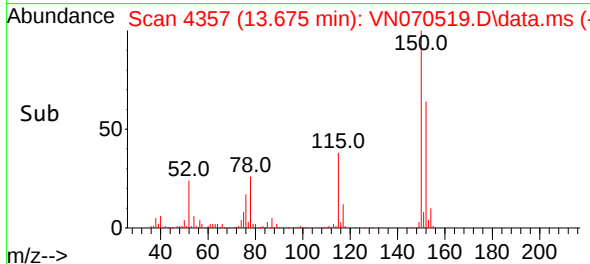


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070519.D
 Acq: 6 Jan 2022 15:11

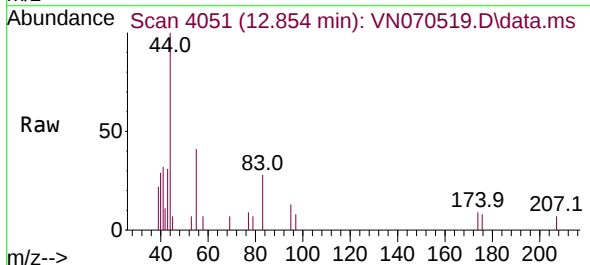
Instrument :
 MSVOA_N
 ClientSampleId :



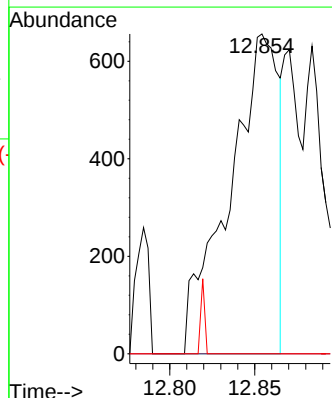
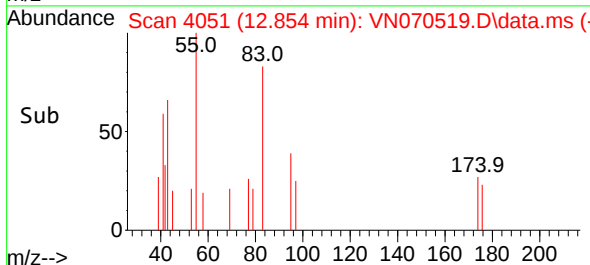
Tgt Ion:152 Resp: 348594
 Ion Ratio Lower Upper
 152 100
 115 60.8 27.5 82.5
 150 157.3 0.0 344.4

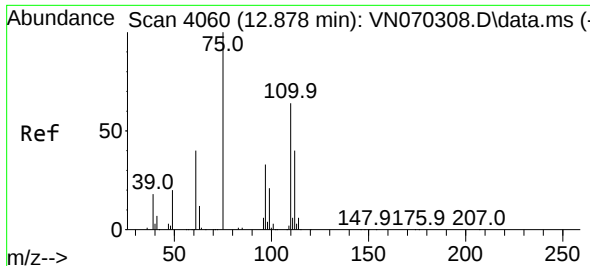


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.559 ug/l
 RT: 12.854 min Scan# 4051
 Delta R.T. 0.029 min
 Lab File: VN070519.D
 Acq: 6 Jan 2022 15:11



Tgt Ion: 83 Resp: 1327
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

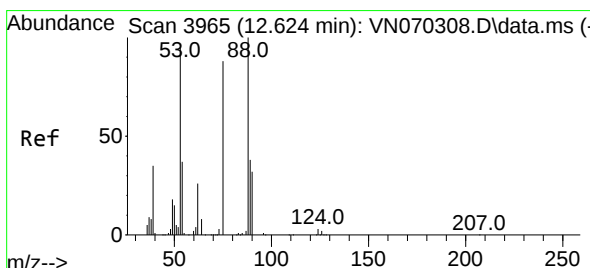
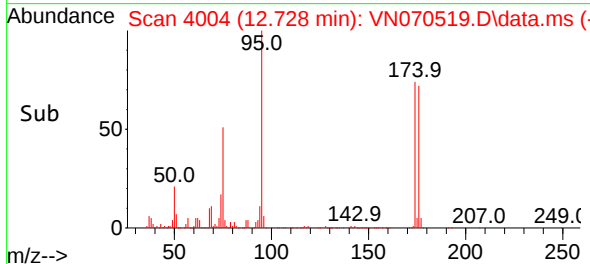
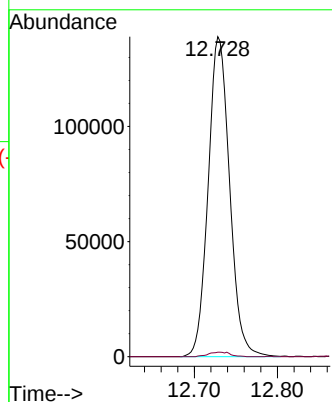
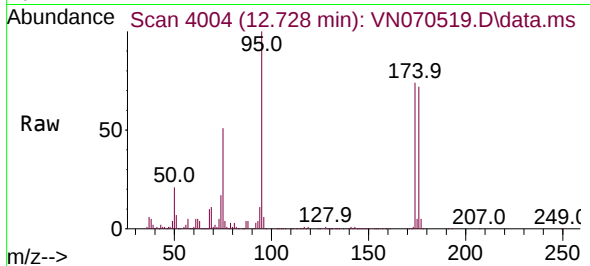




#76
1,2,3-Trichloropropane
Concen: 25.547 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

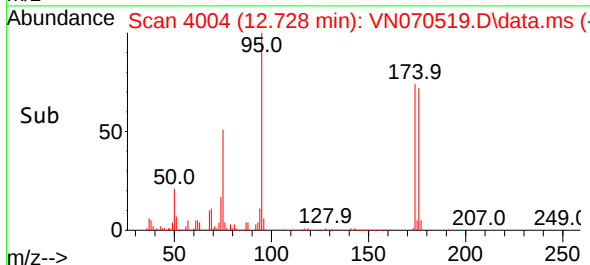
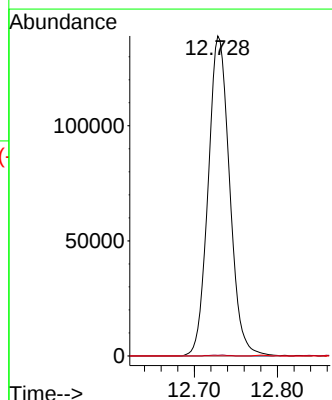
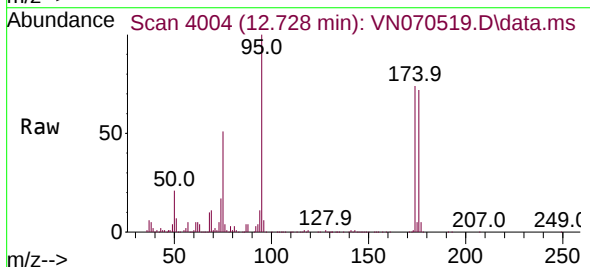
Instrument :
MSVOA_N
ClientSampleId :

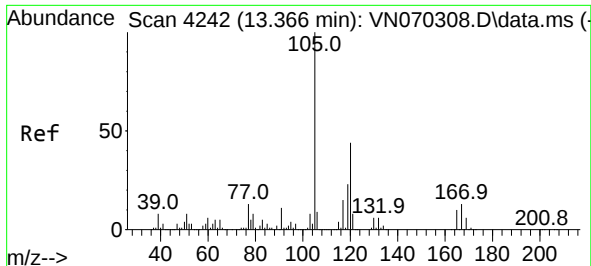
Tgt Ion: 75 Resp: 249046
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.287 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

Tgt Ion: 75 Resp: 249046
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

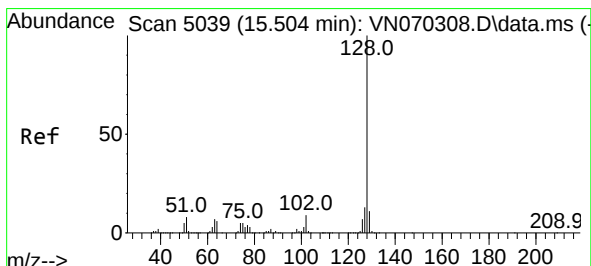
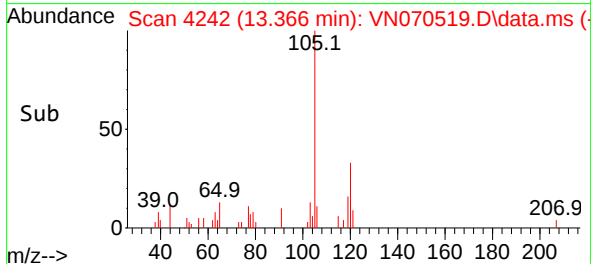
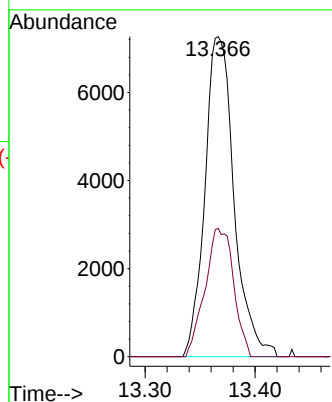
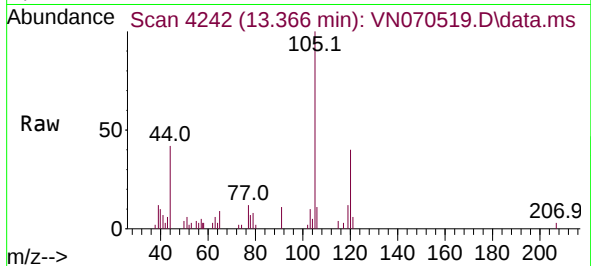




#84
1,2,4-Trimethylbenzene
Concen: 0.536 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

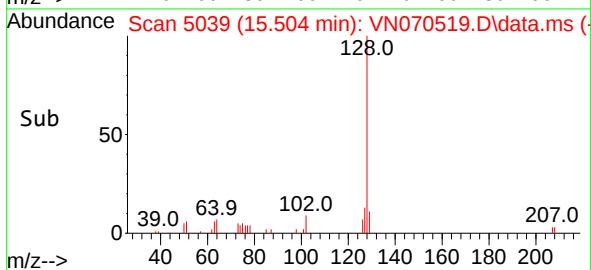
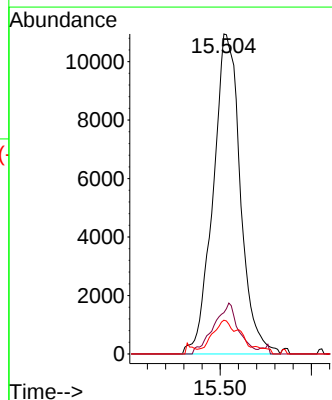
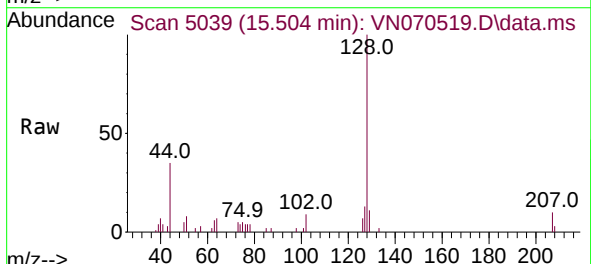
Instrument :
MSVOA_N
ClientSampleId :

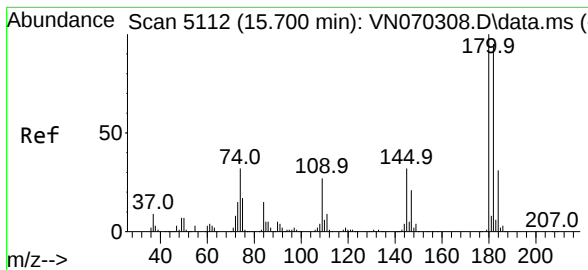
Tgt Ion:105 Resp: 13396
Ion Ratio Lower Upper
105 100
120 39.1 22.8 68.4



#95
Naphthalene
Concen: 3.175 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070519.D
Acq: 6 Jan 2022 15:11

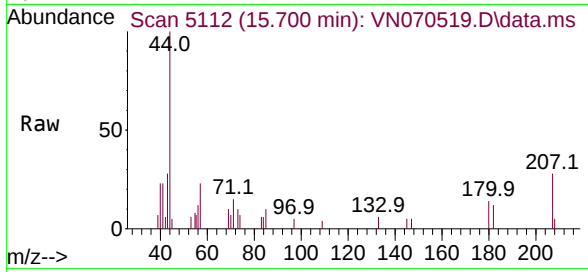
Tgt Ion:128 Resp: 22700
Ion Ratio Lower Upper
128 100
127 14.6 10.5 15.7
129 11.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.963 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070519.D
 Acq: 6 Jan 2022 15:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	766
Ion	Ratio	Lower	Upper
180	100		
182	87.6	47.4	142.2
145	32.9	15.0	45.1

