

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011722\
 Data File : VN070652.D
 Acq On : 17 Jan 2022 18:11
 Operator : JC/MD
 Sample : N1145-05ME
 Misc : 5.95g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A3-5-8.5ME

Quant Time: Jan 18 03:19:22 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)

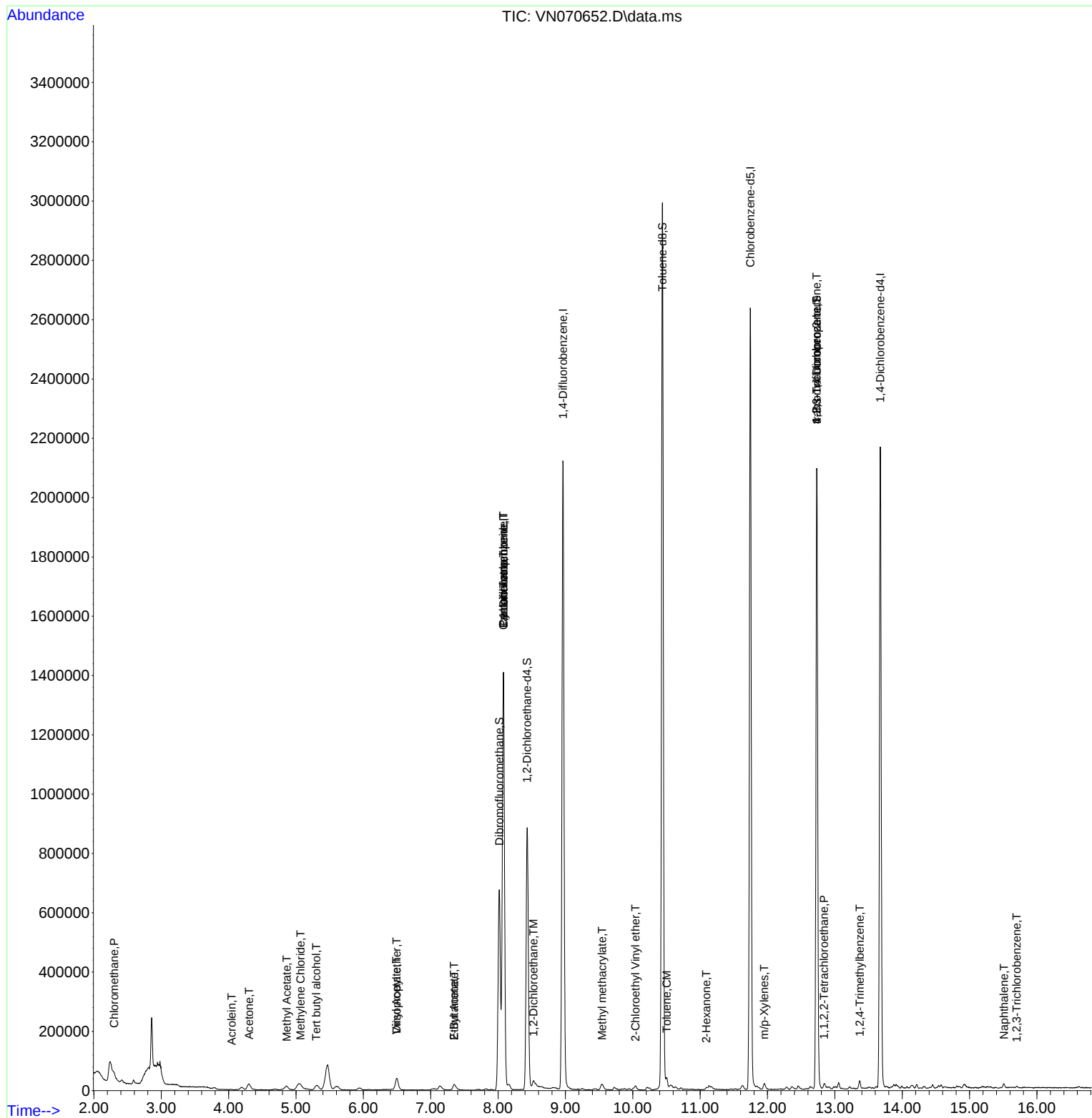
Internal Standards						
1) Pentafluorobenzene	8.080	168	1097468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1848055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1529590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	604863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	748204	47.416	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.840%		
35) Dibromofluoromethane	8.019	113	508364	45.464	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.920%		
50) Toluene-d8	10.440	98	2118066	46.369	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.740%		
62) 4-Bromofluorobenzene	12.731	95	762819	46.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.480%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	5197	0.307	ug/l	99
11) Tert butyl alcohol	5.302	59	17943	6.829	ug/l #	71
13) Acrolein	4.044	56	514	0.241	ug/l #	14
16) Acetone	4.304	43	31080	3.034	ug/l	97
18) Methyl Acetate	4.865	43	27594	0.931	ug/l #	89
20) Methylene Chloride	5.068	84	8023	0.566	ug/l	91
22) Diisopropyl ether	6.495	45	52545	1.065	ug/l #	83
23) Vinyl Acetate	6.490	43	13414	0.350	ug/l #	72
25) 2-Butanone	7.345	43	37341	2.895	ug/l	90
31) Cyclohexane	8.080	56	25392	1.020	ug/l #	3
36) 1,1-Dichloropropene	8.080	75	86333	4.667	ug/l #	49
37) Ethyl Acetate	7.345	43	37341	1.557	ug/l #	68
38) Carbon Tetrachloride	8.078	117	106858	6.050	ug/l #	16
42) 1,2-Dichloroethane	8.526	62	25289	1.186	ug/l	99
48) Methyl methacrylate	9.545	41	7925	0.440	ug/l #	25
52) Toluene	10.505	92	10616	0.309	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.041	63	6088	19.496	ug/l	93
59) 2-Hexanone	11.089	43	3872	0.224	ug/l	89
68) m/p-Xylenes	11.953	106	4942	0.228	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.841	83	1024	0.497	ug/l #	53
76) 1,2,3-Trichloropropane	12.731	75	394204	23.544	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	394204	79.626	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	16667	0.385	ug/l	92
95) Naphthalene	15.509	128	12393	2.230	ug/l	96
96) 1,2,3-Trichlorobenzene	15.700	180	1478	0.978	ug/l	96

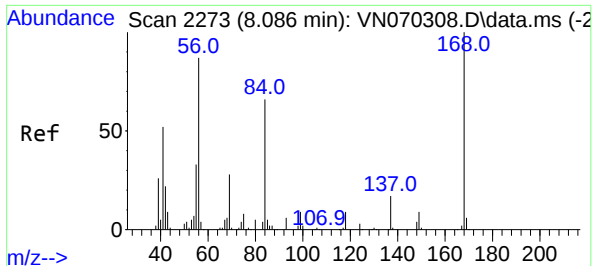
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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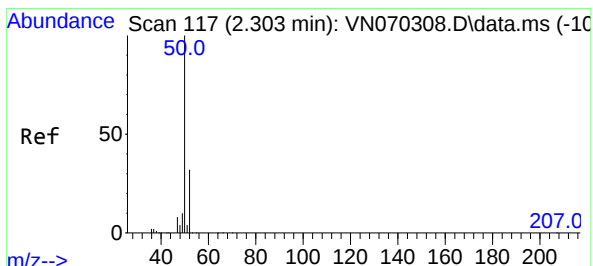
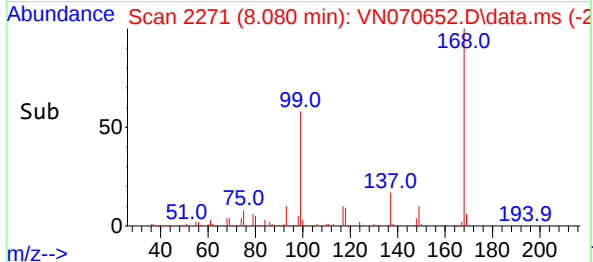
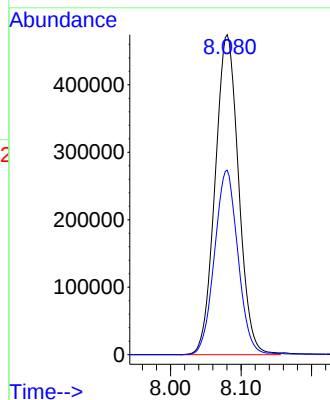
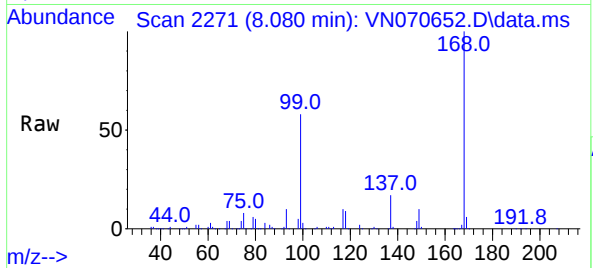




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

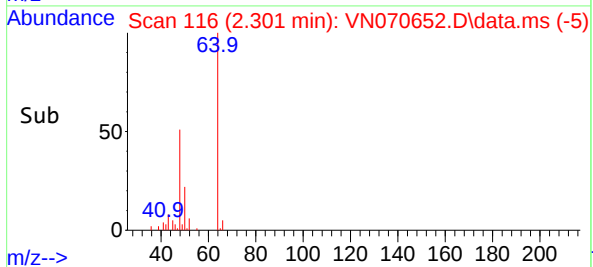
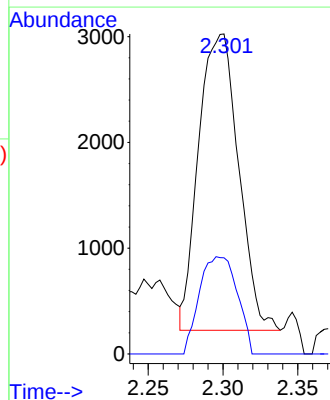
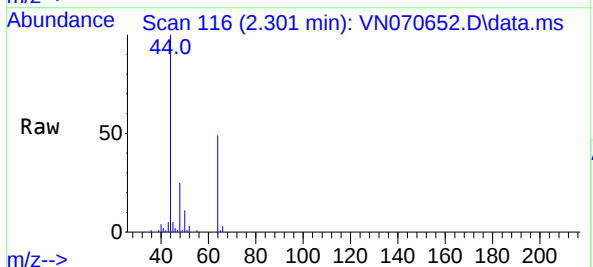
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

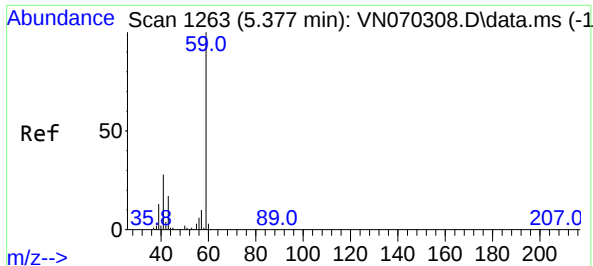
Tgt Ion:168 Resp: 1097468
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.307 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 50 Resp: 5197
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.0

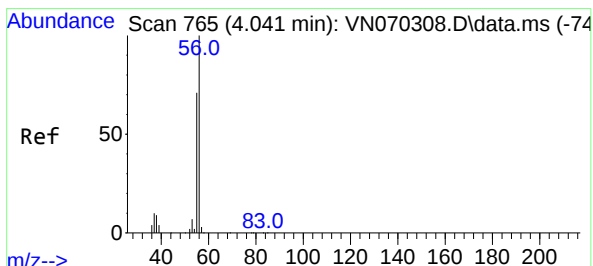
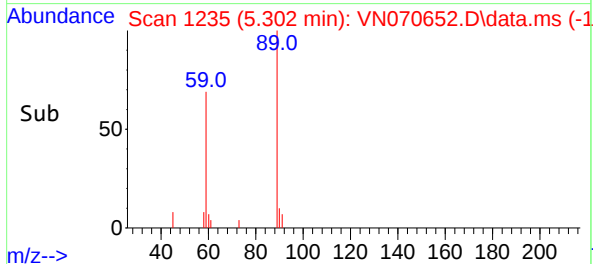
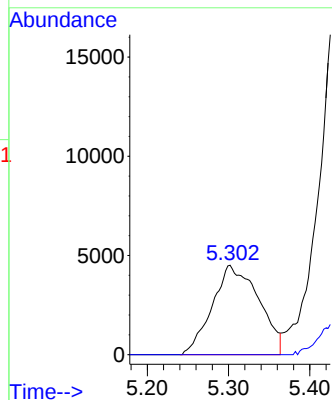
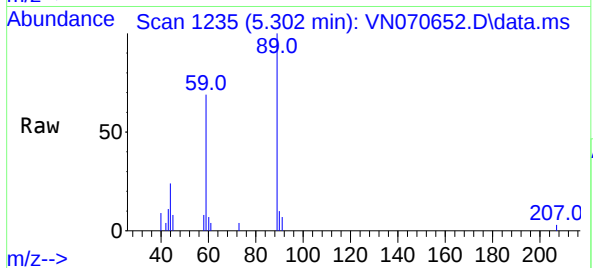




#11
Tert butyl alcohol
Concen: 6.829 ug/l
RT: 5.302 min Scan# 11
Delta R.T. -0.075 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

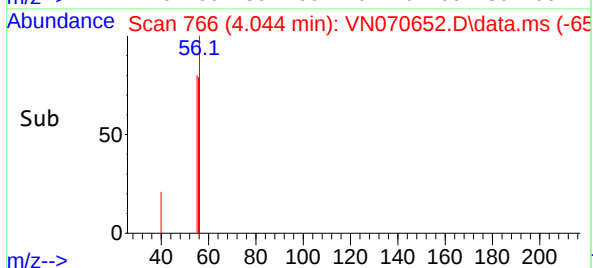
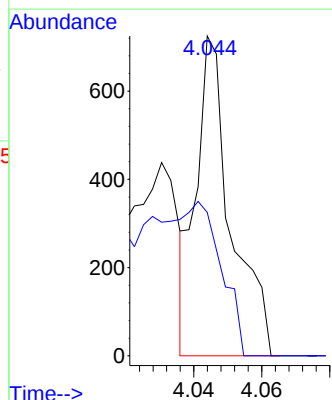
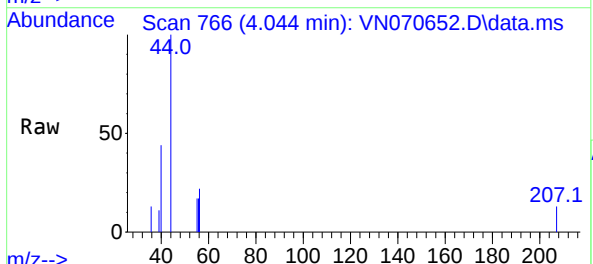
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

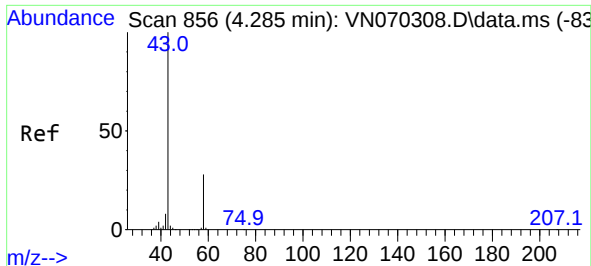
Tgt Ion: 59 Resp: 17943
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.241 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 56 Resp: 514
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

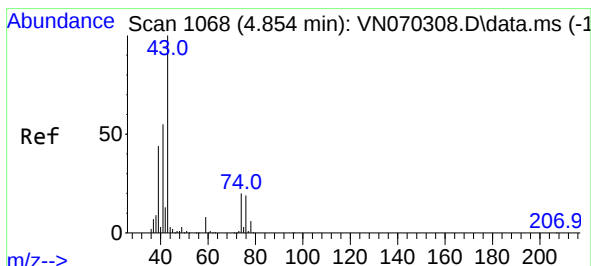
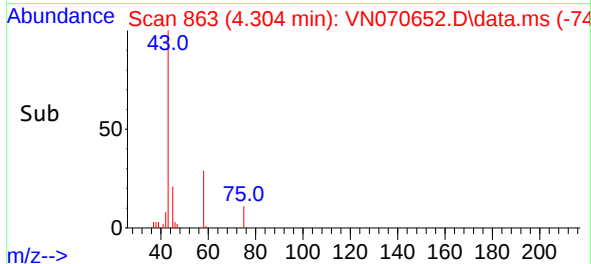
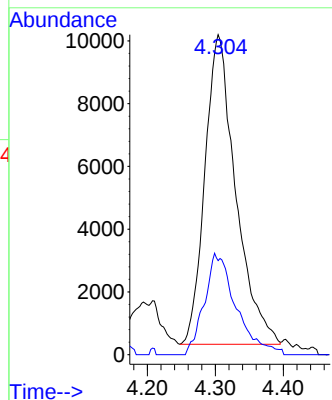
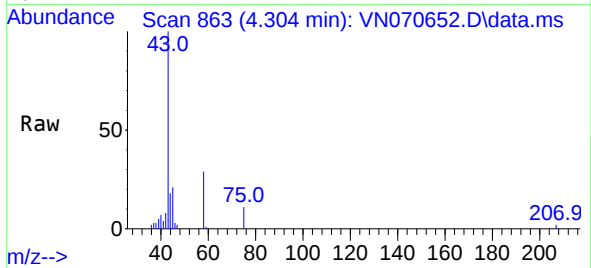




#16
Acetone
Concen: 3.034 ug/l
RT: 4.304 min Scan# 80
Delta R.T. 0.019 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

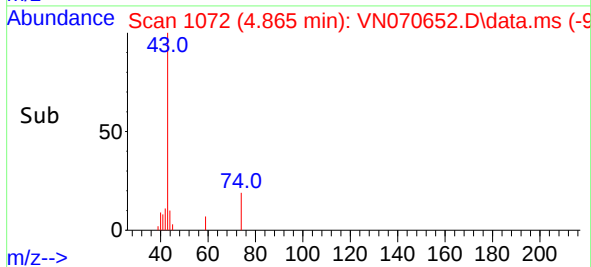
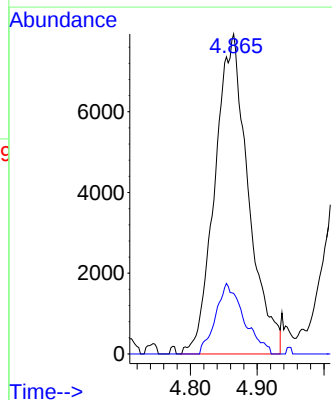
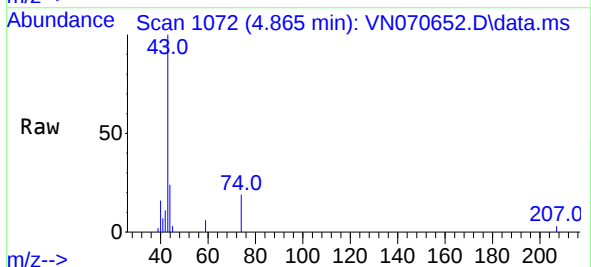
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

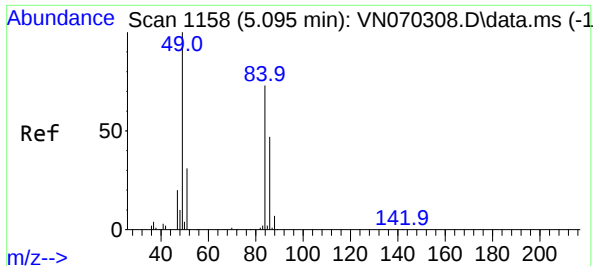
Tgt Ion: 43 Resp: 31080
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7



#18
Methyl Acetate
Concen: 0.931 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 43 Resp: 27594
Ion Ratio Lower Upper
43 100
74 18.6 19.4 29.2#



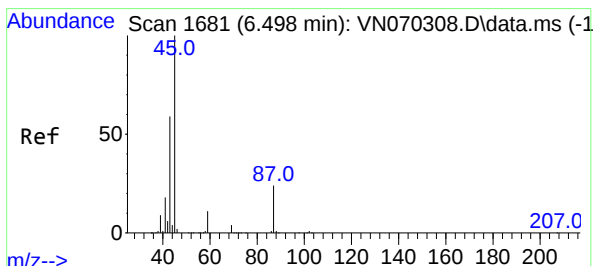
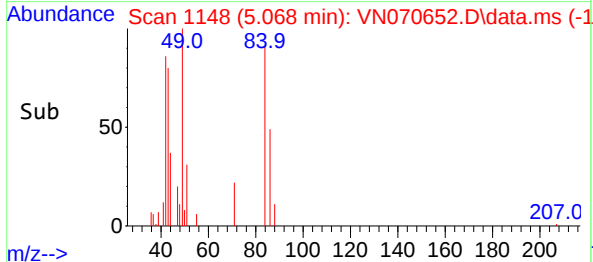
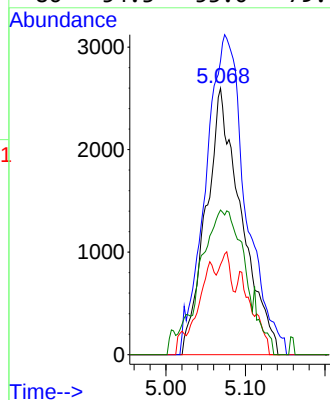
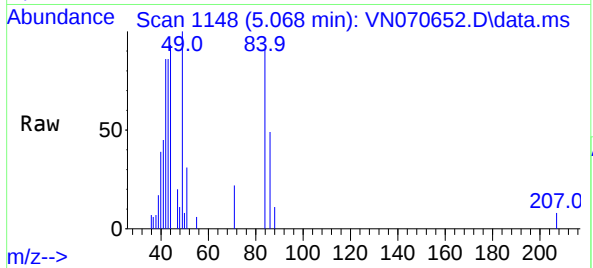


#20
Methylene Chloride
Concen: 0.566 ug/l
RT: 5.068 min Scan# 1158
Delta R.T. -0.027 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

Tgt Ion: 84 Resp: 8023

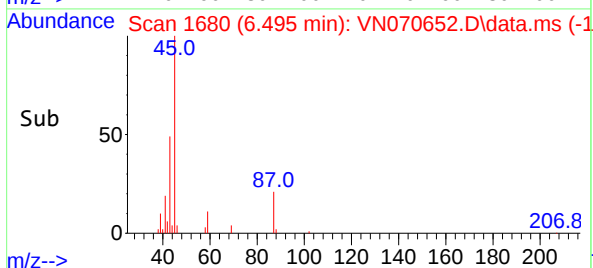
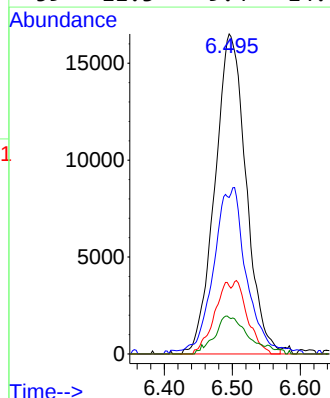
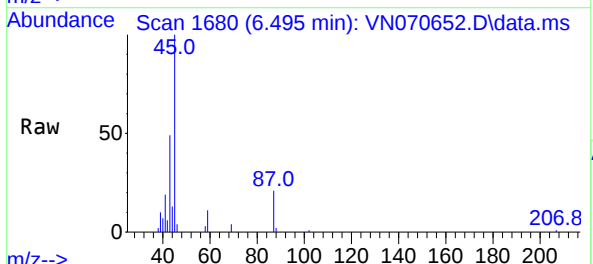
Ion	Ratio	Lower	Upper
84	100		
49	110.2	93.5	140.3
51	33.8	29.4	44.2
86	54.3	53.0	79.4

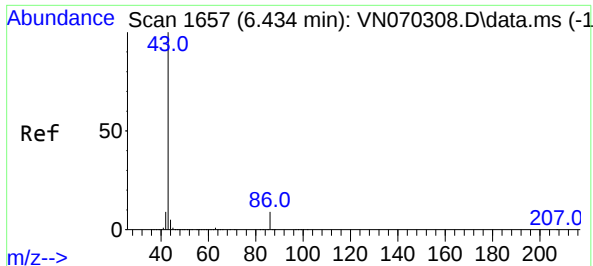


#22
Diisopropyl ether
Concen: 1.065 ug/l
RT: 6.495 min Scan# 1680
Delta R.T. -0.003 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 45 Resp: 52545

Ion	Ratio	Lower	Upper
45	100		
43	47.8	51.7	77.5#
87	21.3	23.2	34.8#
59	11.3	9.4	14.0

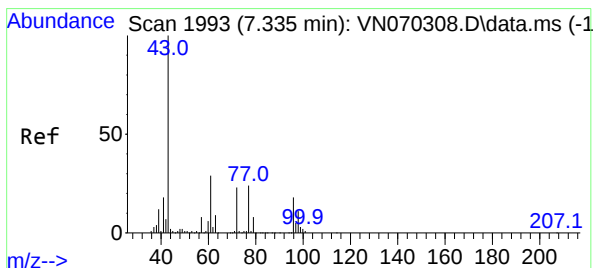
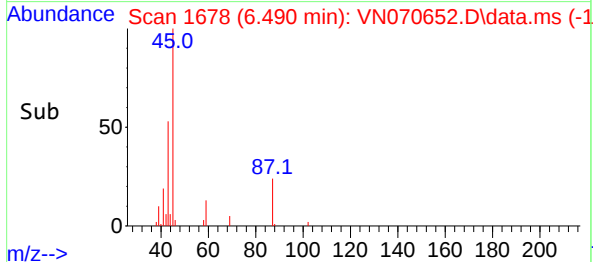
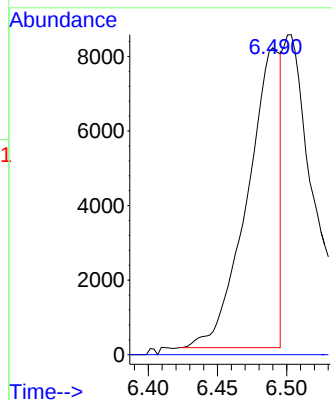
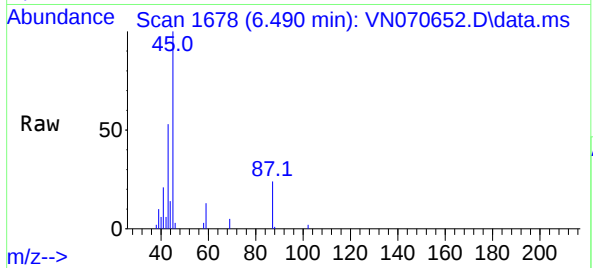




#23
Vinyl Acetate
Concen: 0.350 ug/l
RT: 6.490 min Scan# 11
Delta R.T. 0.056 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

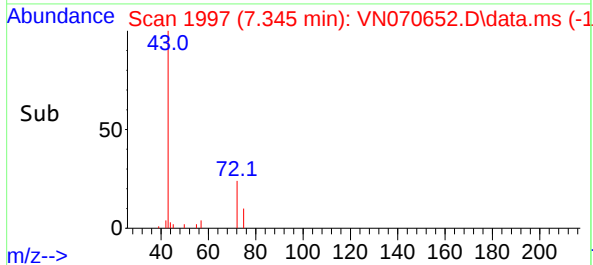
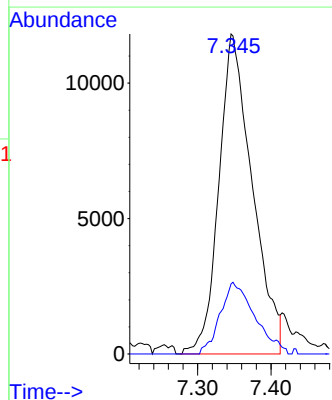
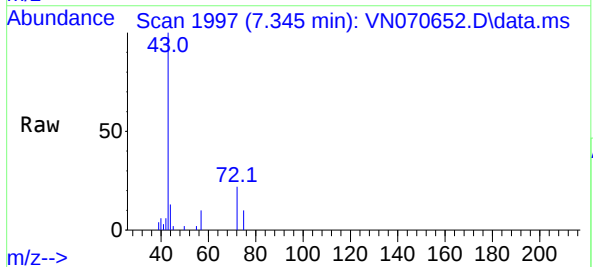
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

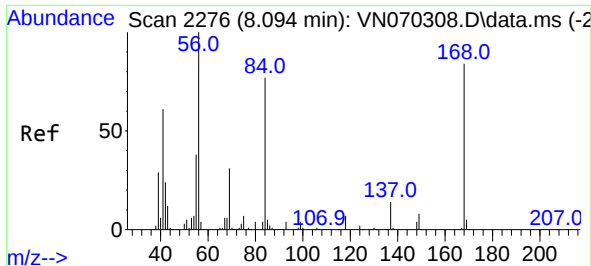
Tgt Ion: 43 Resp: 13414
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#



#25
2-Butanone
Concen: 2.895 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 43 Resp: 37341
Ion Ratio Lower Upper
43 100
72 21.9 21.7 32.5

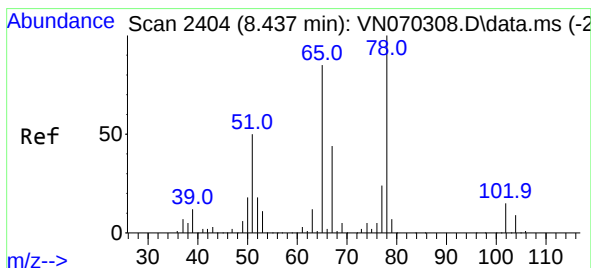
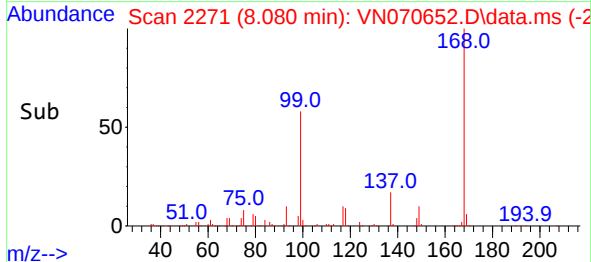
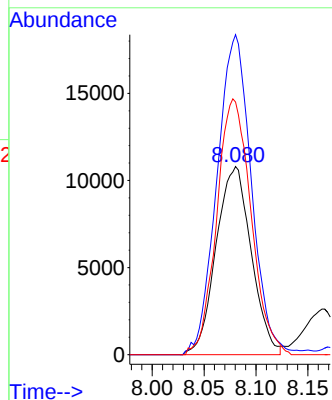
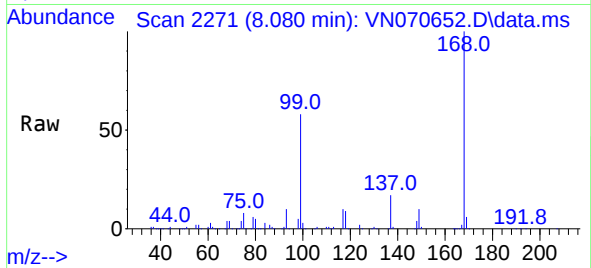




#31
Cyclohexane
Concen: 1.020 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

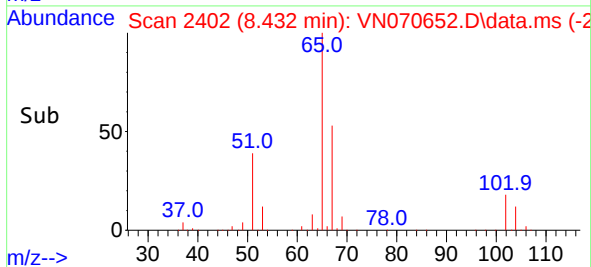
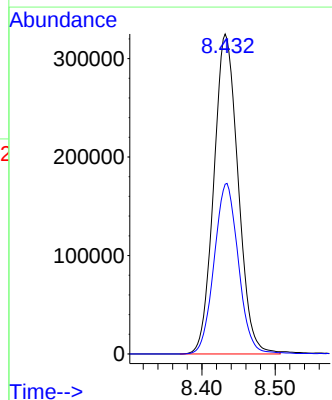
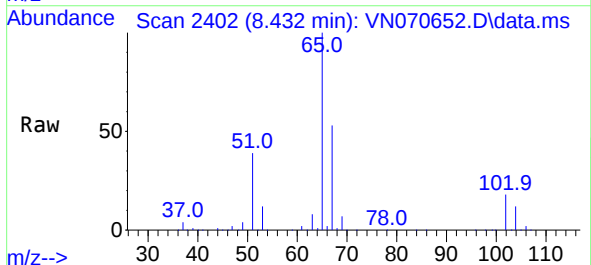
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A3-5-8.5ME

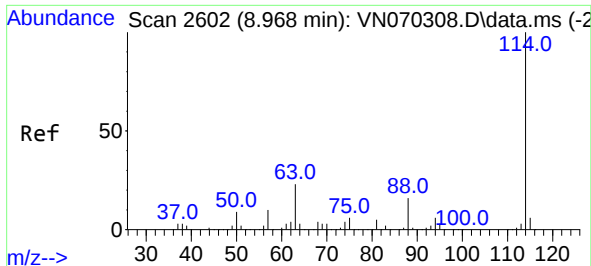
Tgt Ion: 56 Resp: 25392
Ion Ratio Lower Upper
56 100
69 170.1 27.1 40.7#
84 134.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.416 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 65 Resp: 748204
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.0

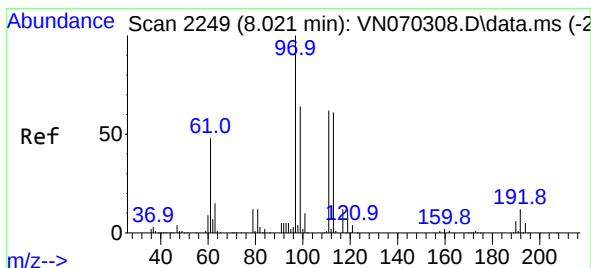
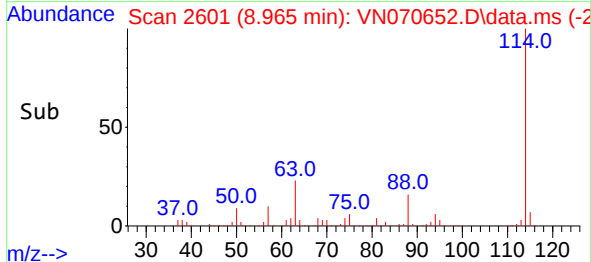
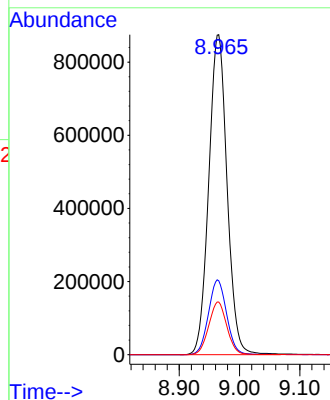
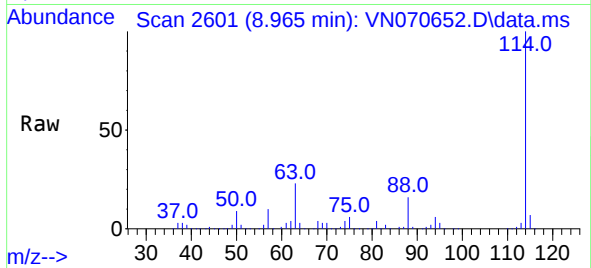




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

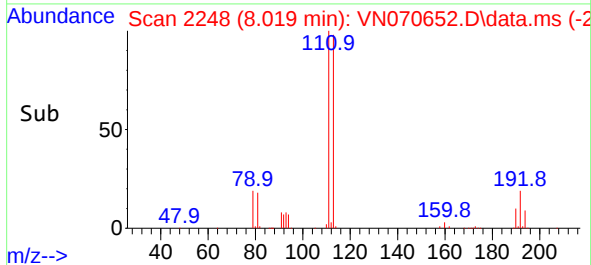
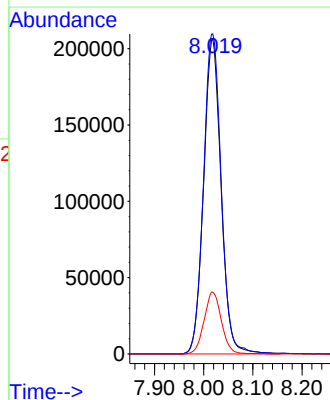
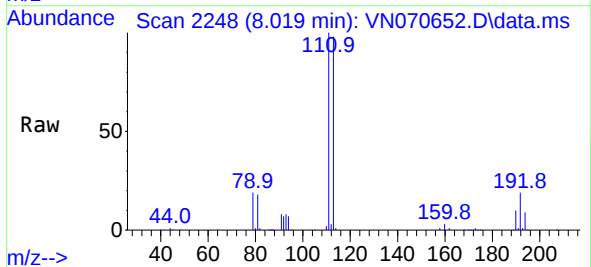
Instrument :
MSVOA_N
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A3-5-8.5ME

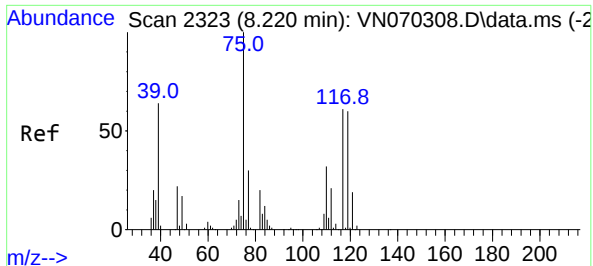
Tgt Ion:114 Resp: 1848055
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.464 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion:113 Resp: 508364
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.5 16.9 25.3

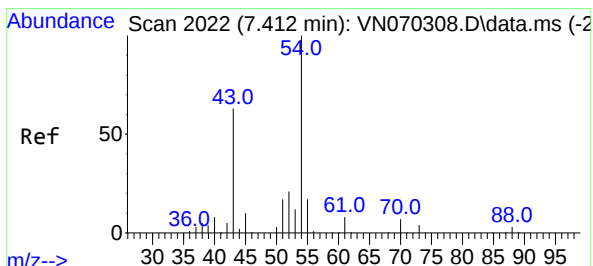
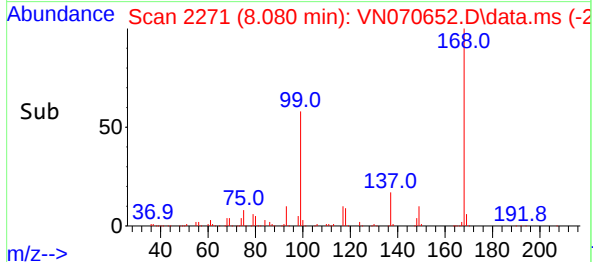
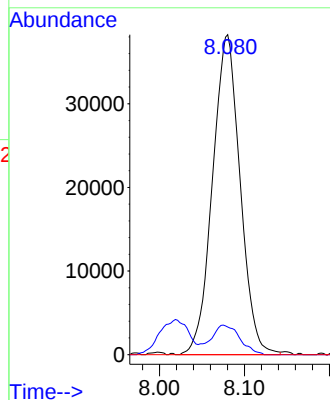
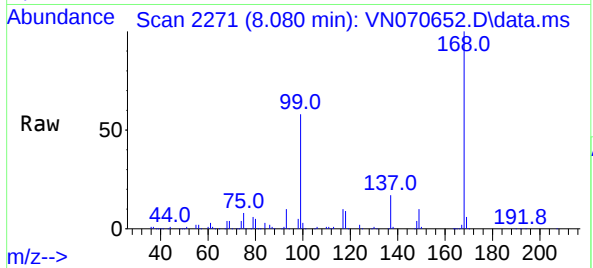




#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.140 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

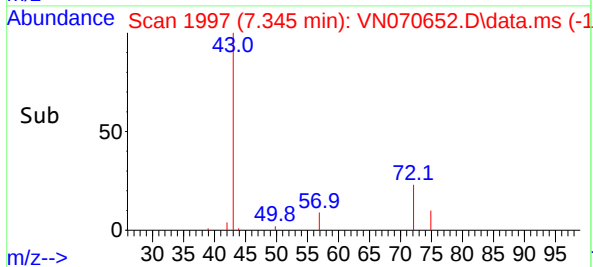
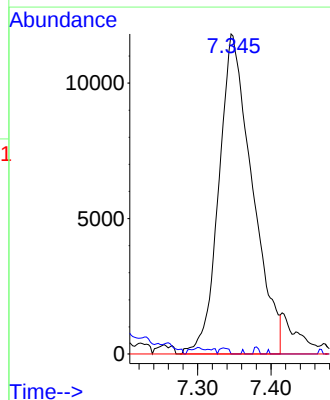
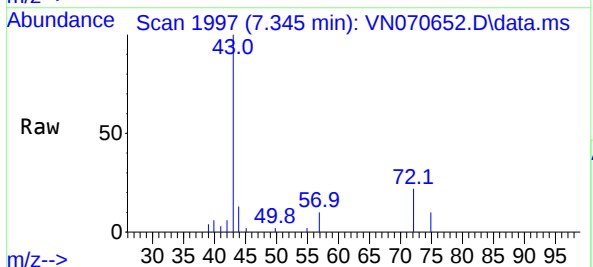
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

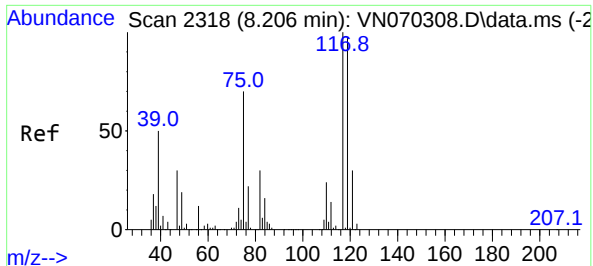
Tgt Ion: 75 Resp: 86333
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.557 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.067 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 43 Resp: 37341
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

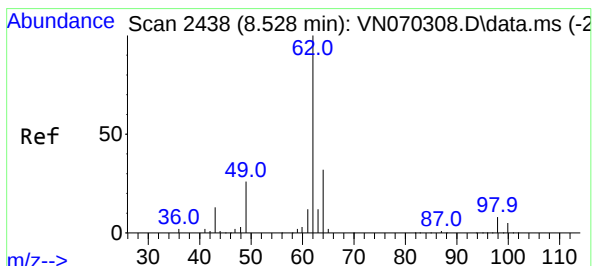
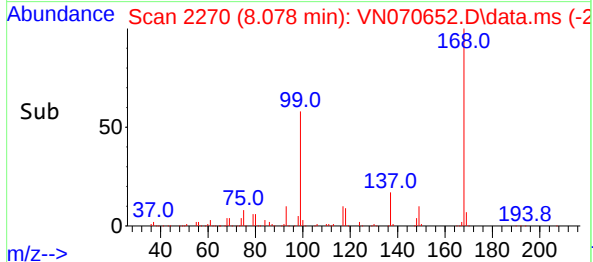
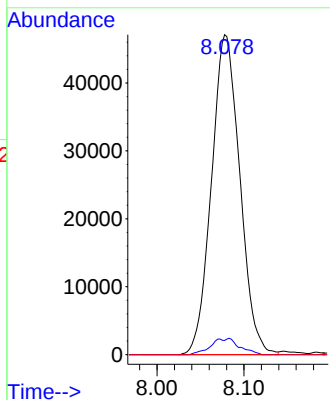
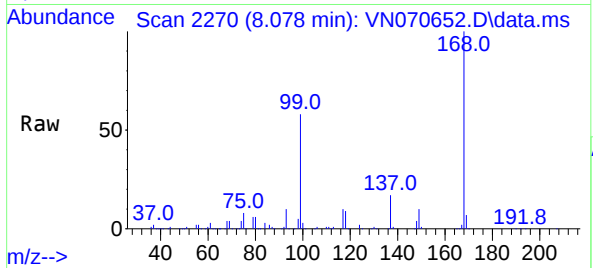




#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.128 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

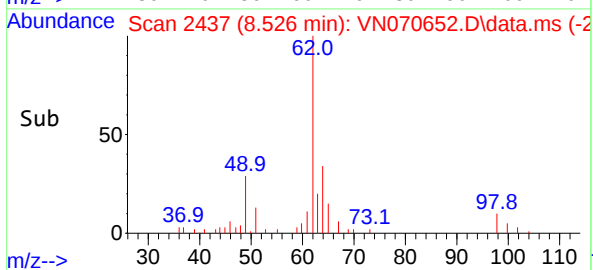
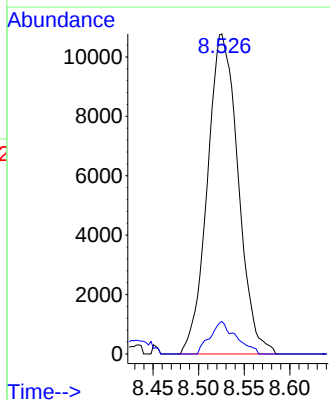
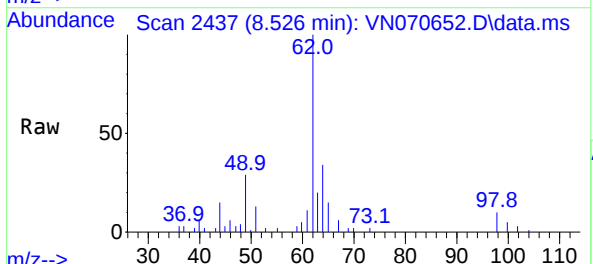
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

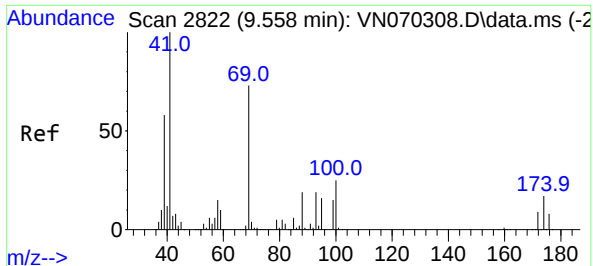
Tgt Ion:117 Resp: 106858
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 1.186 ug/l
RT: 8.526 min Scan# 2437
Delta R.T. -0.002 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 62 Resp: 25289
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.6

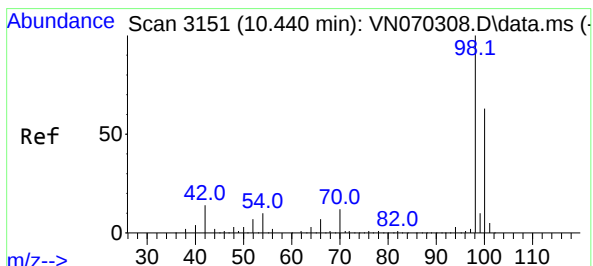
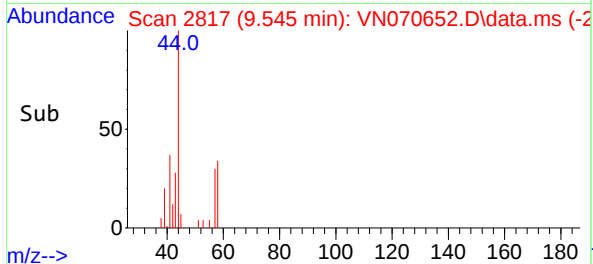
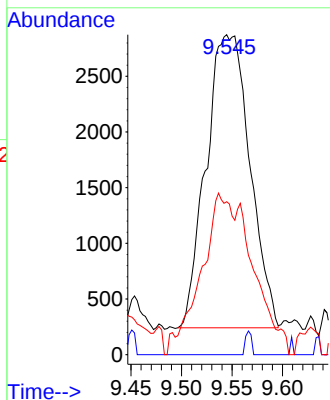
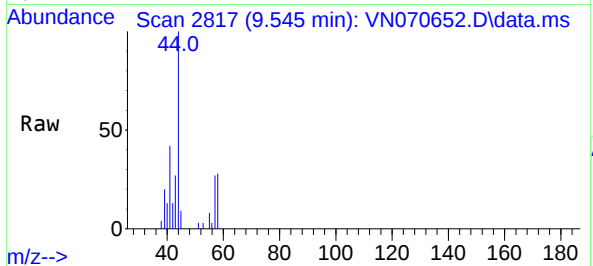




#48
Methyl methacrylate
Concen: 0.440 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

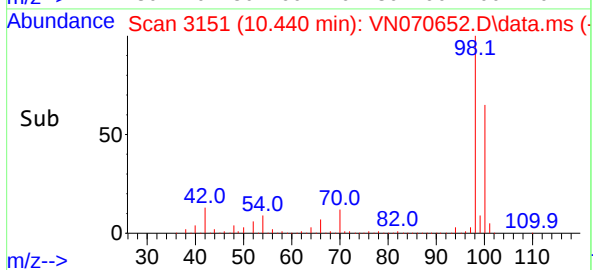
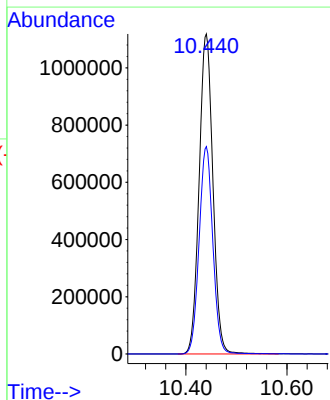
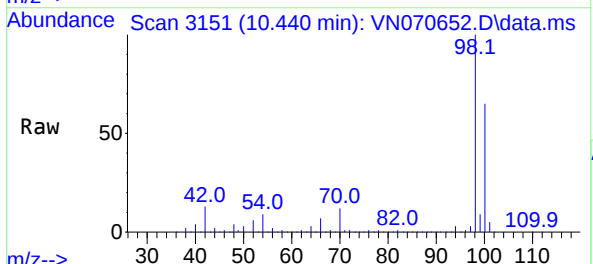
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

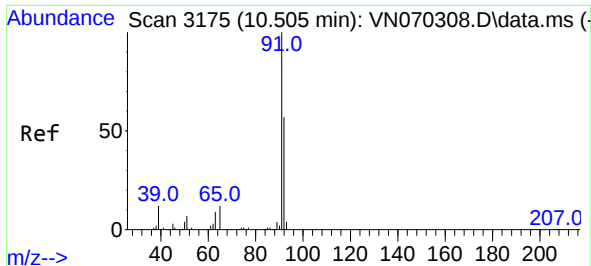
Tgt Ion: 41 Resp: 7925
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 32.0 58.4 87.6#



#50
Toluene-d8
Concen: 46.369 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 98 Resp: 2118066
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

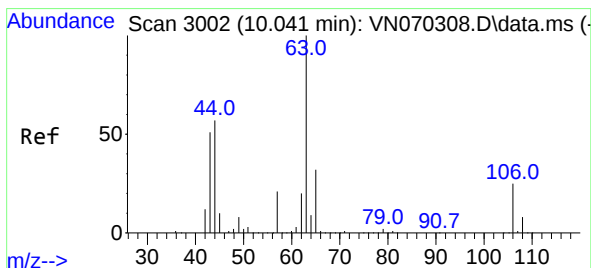
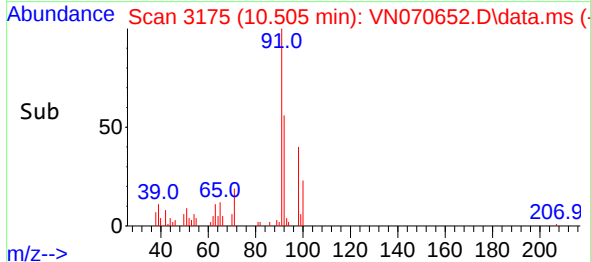
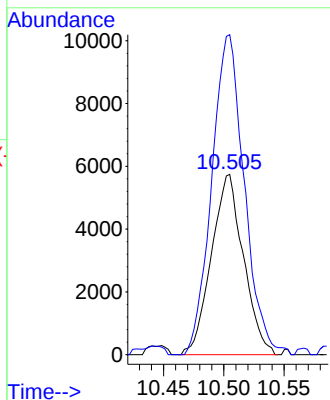
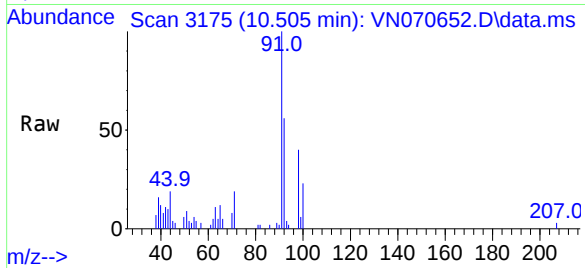




#52
Toluene
Concen: 0.309 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

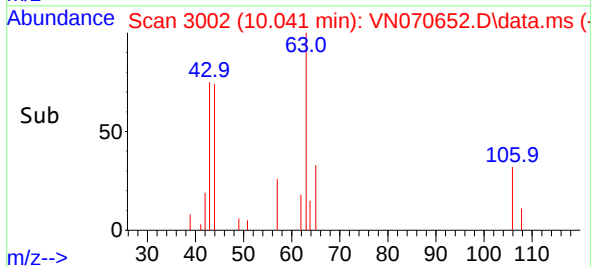
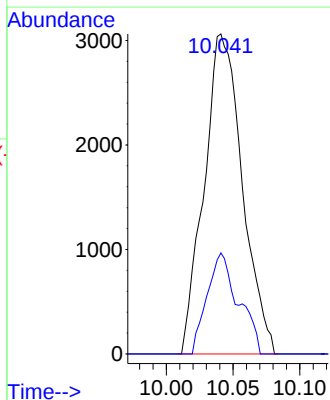
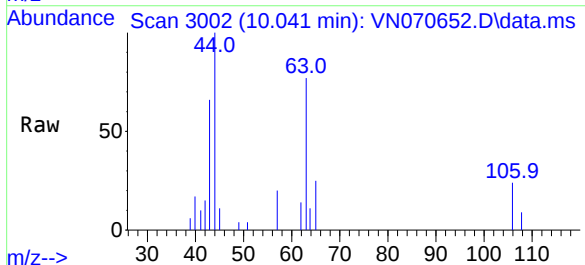
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

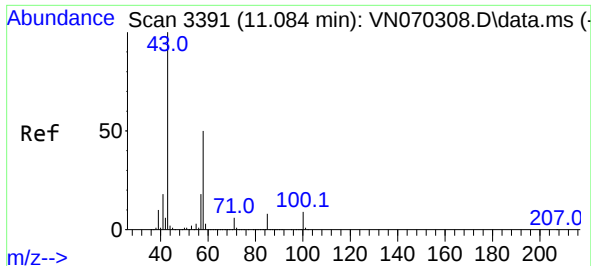
Tgt Ion: 92 Resp: 10616
Ion Ratio Lower Upper
92 100
91 180.3 142.0 213.0



#58
2-Chloroethyl Vinyl ether
Concen: 19.496 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.000 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 63 Resp: 6088
Ion Ratio Lower Upper
63 100
106 25.9 23.9 35.9

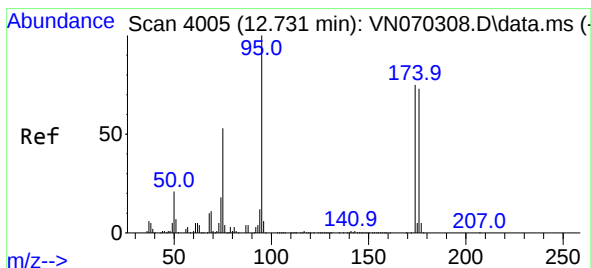
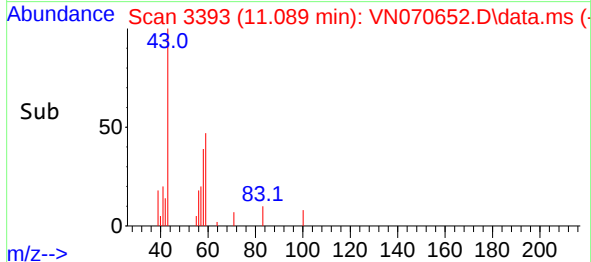
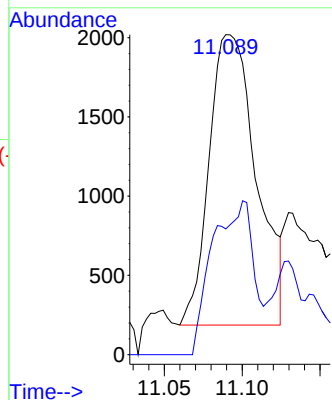
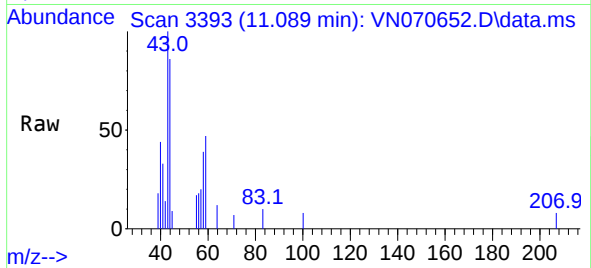




#59
2-Hexanone
Concen: 0.224 ug/l
RT: 11.089 min Scan# 3391
Delta R.T. 0.005 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

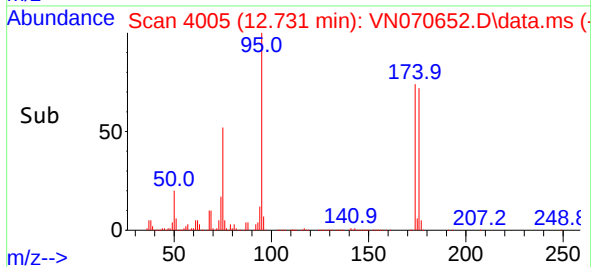
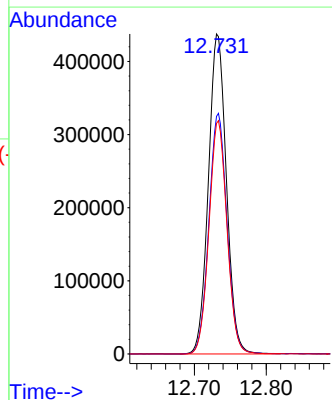
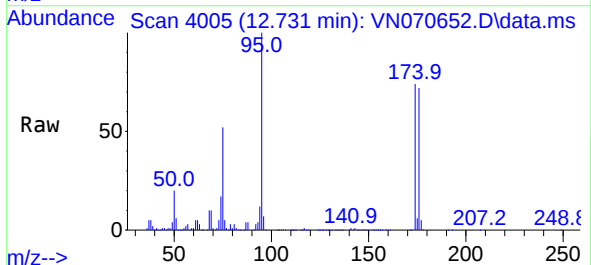
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

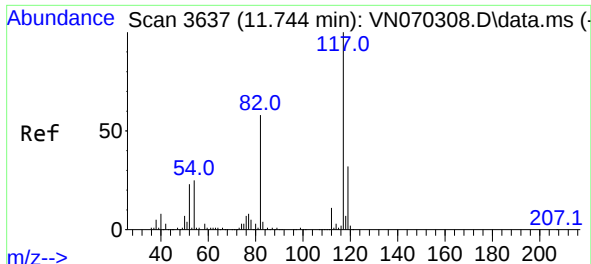
Tgt Ion: 43 Resp: 3872
Ion Ratio Lower Upper
43 100
58 46.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 46.237 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 95 Resp: 762819
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 72.8 0.0 181.4

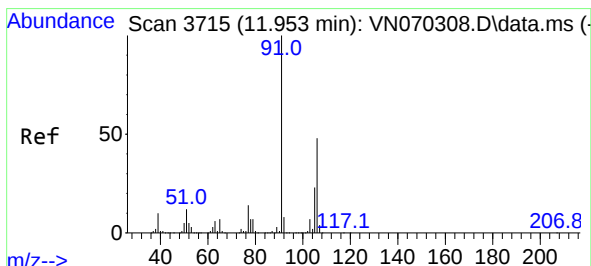
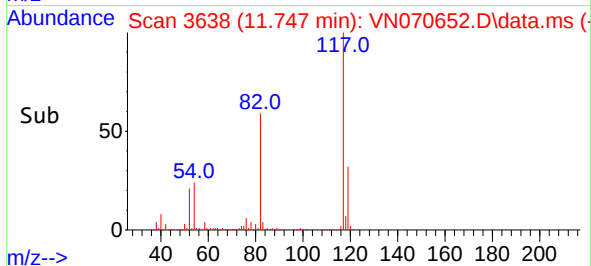
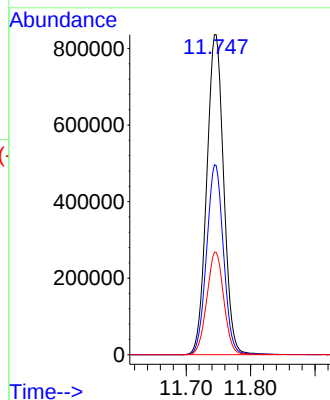
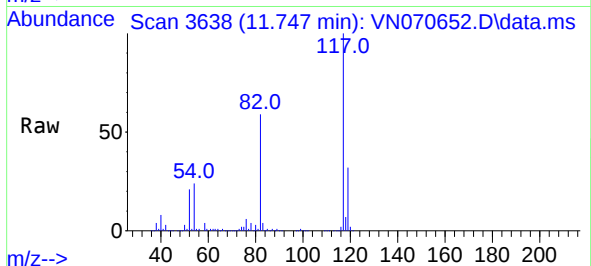




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

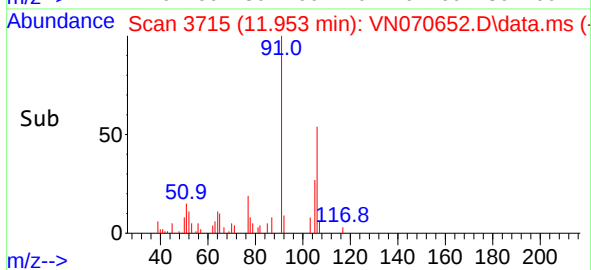
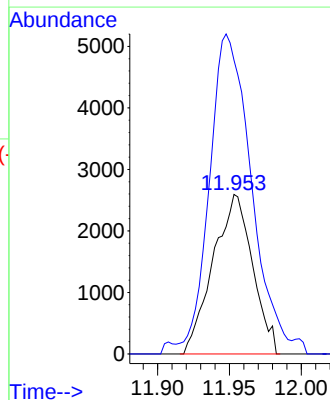
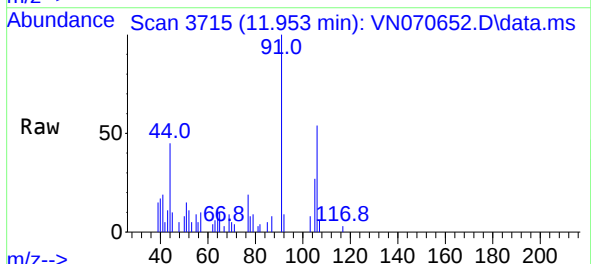
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

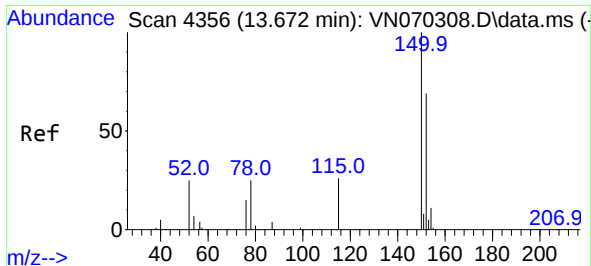
Tgt Ion:117 Resp: 1529590
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 0.228 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion:106 Resp: 4942
Ion Ratio Lower Upper
106 100
91 196.5 160.6 240.8

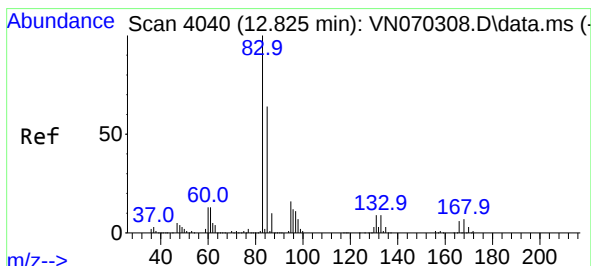
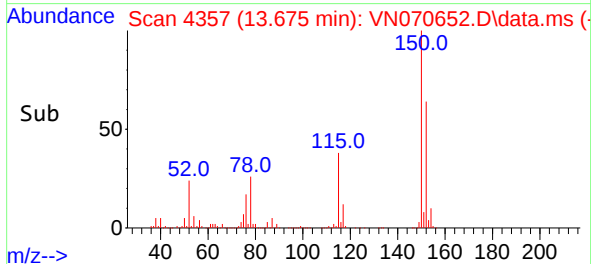
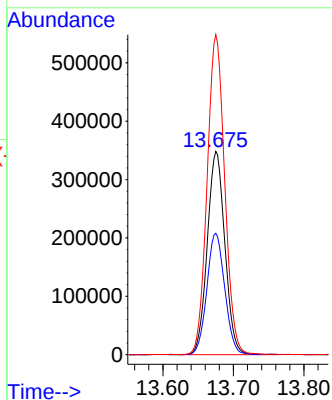
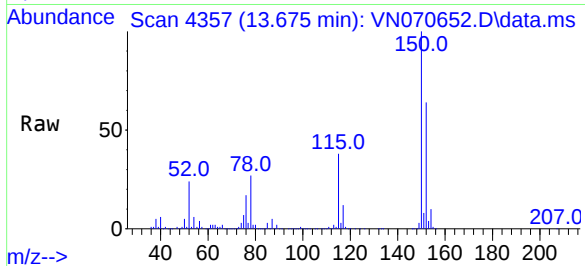




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

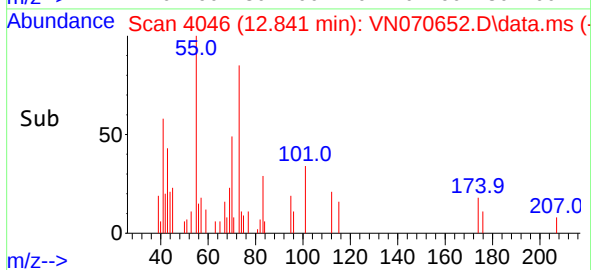
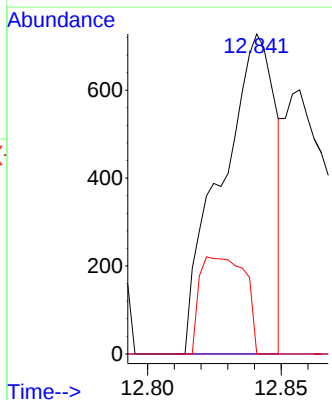
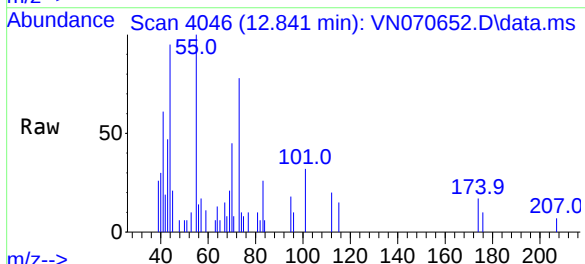
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

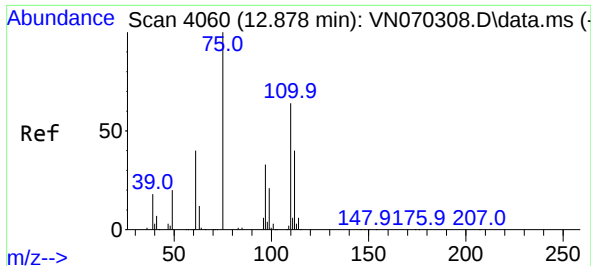
Tgt Ion:152 Resp: 604863
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 156.7 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: 0.497 ug/l
RT: 12.841 min Scan# 4046
Delta R.T. 0.016 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 83 Resp: 1024
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 25.4 32.4 97.2#

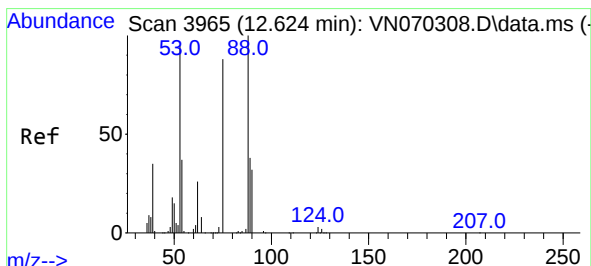
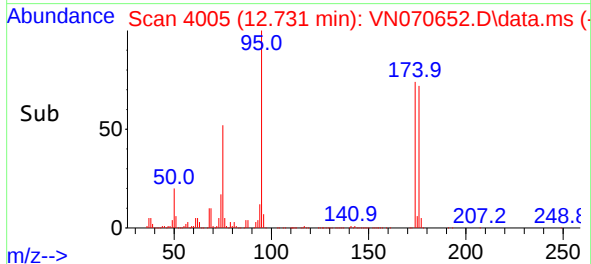
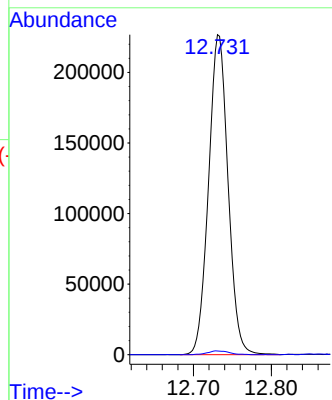
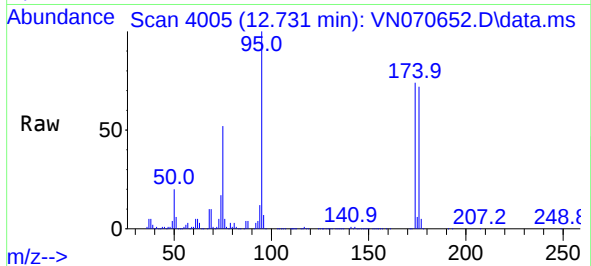




#76
1,2,3-Trichloropropane
Concen: 23.544 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

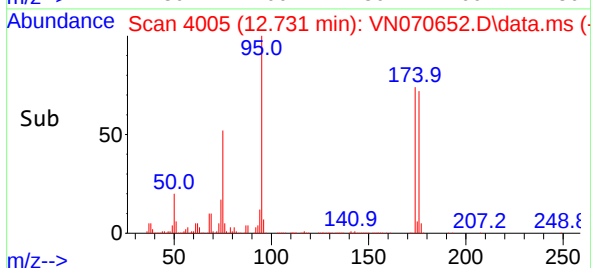
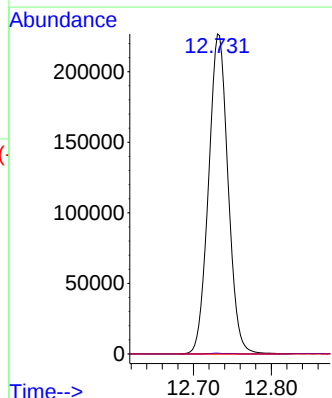
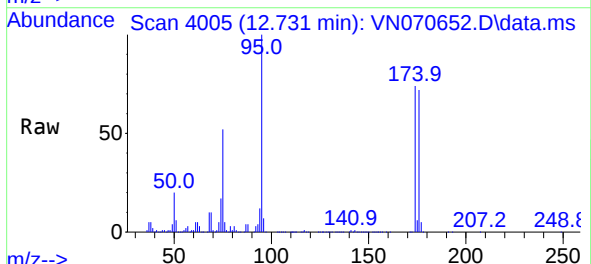
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

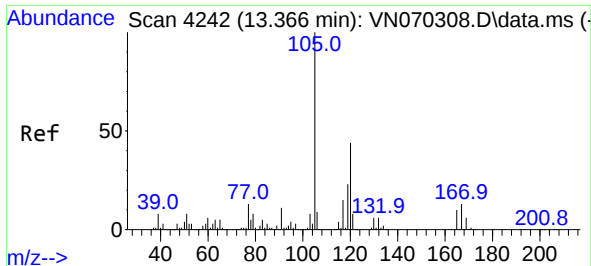
Tgt Ion: 75 Resp: 394204
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.626 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

Tgt Ion: 75 Resp: 394204
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

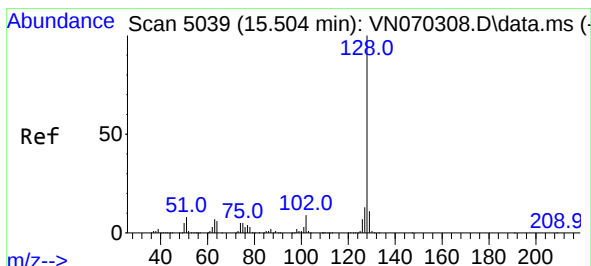
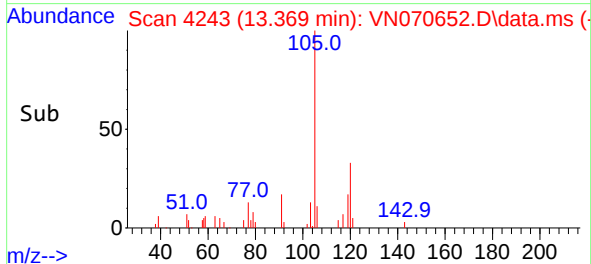
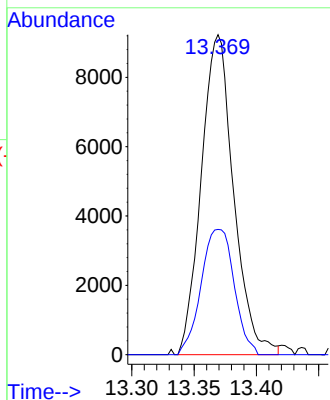
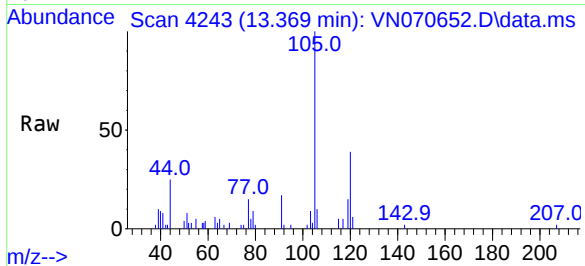




#84
1,2,4-Trimethylbenzene
Concen: 0.385 ug/l
RT: 13.369 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

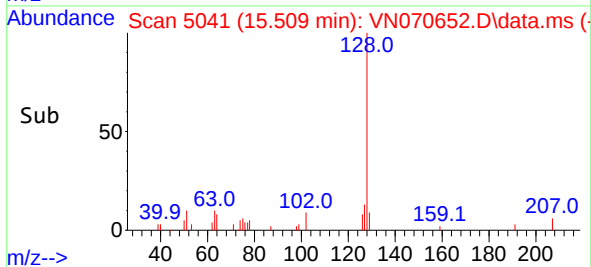
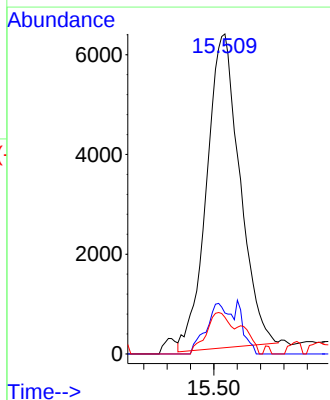
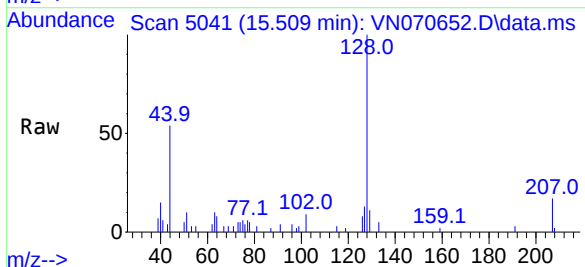
Instrument :
MSVOA_N
ClientSampleId :
A3-5-8.5ME

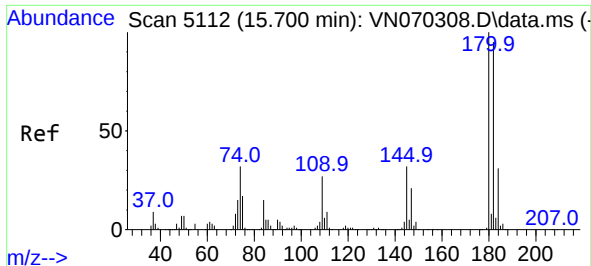
Tgt Ion:105 Resp: 16667
Ion Ratio Lower Upper
105 100
120 40.0 22.8 68.4



#95
Naphthalene
Concen: 2.230 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070652.D
Acq: 17 Jan 2022 18:11

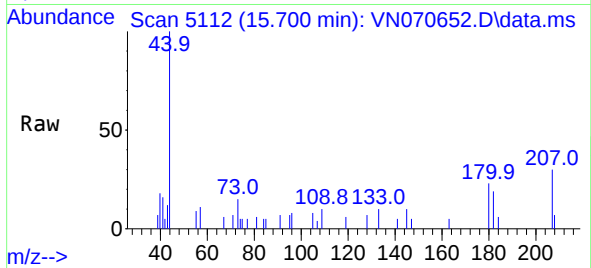
Tgt Ion:128 Resp: 12393
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 9.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.978 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070652.D
 Acq: 17 Jan 2022 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 A3-5-8.5ME



Tgt Ion:	180	Resp:	1478
Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.2
145	34.5	15.0	45.1

