

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
 Data File : VN070319.D
 Acq On : 27 Dec 2021 19:26
 Operator : JC/MD
 Sample : M5092-04 10X
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 28 01:43:32 2021
 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)

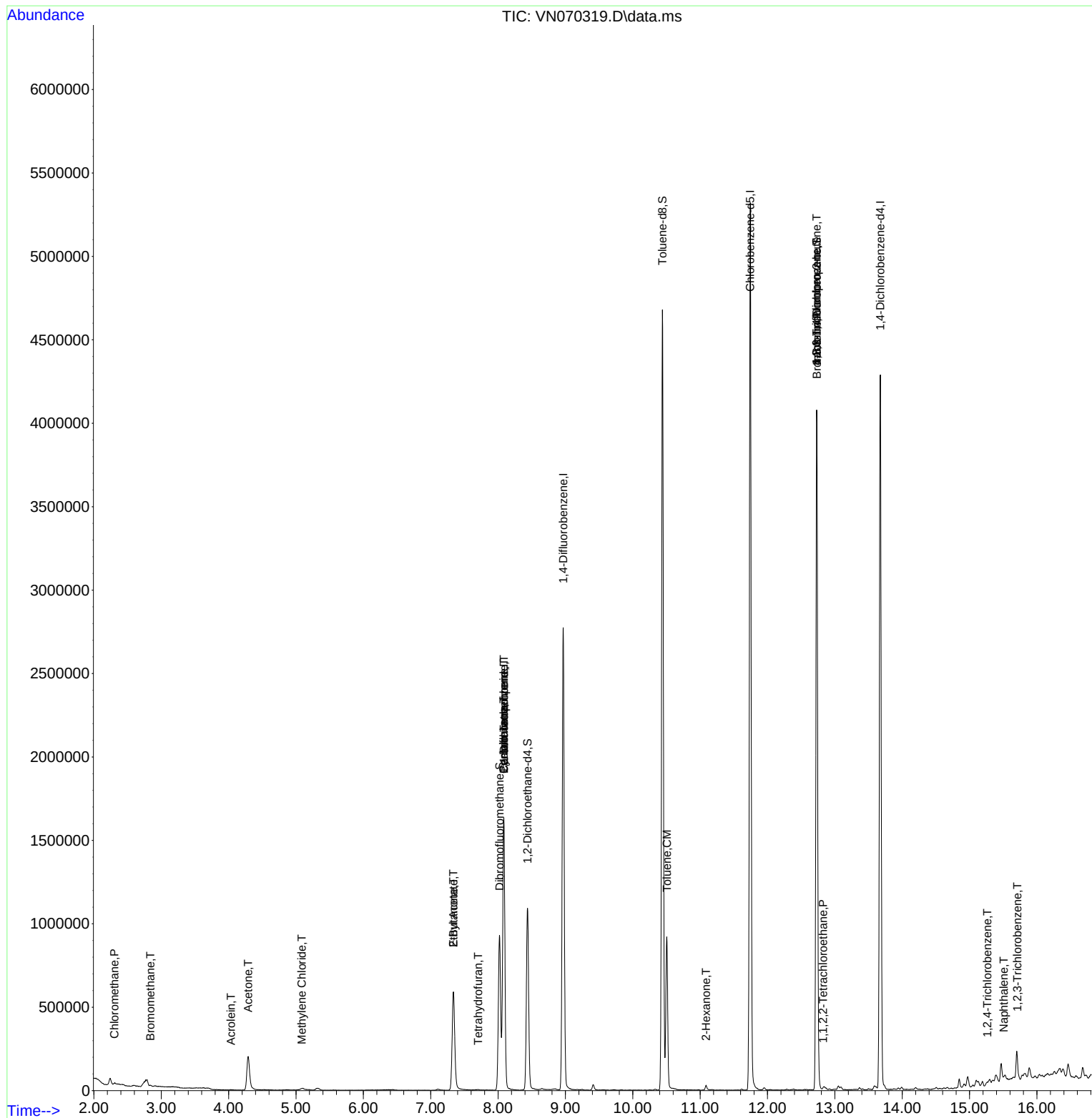
Internal Standards						
1) Pentafluorobenzene	8.086	168	1247201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2371152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2956076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1175465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	938677	52.345	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.700%	
35) Dibromofluoromethane	8.021	113	678721	47.309	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.620%	
50) Toluene-d8	10.441	98	3214678	54.851	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 109.700%	
62) 4-Bromofluorobenzene	12.731	95	1463448	69.136	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 138.280%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	4210	0.219	ug/l	98
5) Bromomethane	2.837	94	3425	0.379	ug/l	88
13) Acrolein	4.033	56	689	0.284	ug/l #	1
16) Acetone	4.291	43	390667	33.560	ug/l	100
20) Methylene Chloride	5.085	84	3367	0.209	ug/l	93
25) 2-Butanone	7.337	43	1009247	68.856	ug/l	91
29) Tetrahydrofuran	7.702	42	2241	0.256	ug/l #	63
31) Cyclohexane	8.083	56	30007	1.060	ug/l #	25
36) 1,1-Dichloropropene	8.086	75	102018	4.299	ug/l #	49
37) Ethyl Acetate	7.337	43	1009247	32.807	ug/l #	68
38) Carbon Tetrachloride	8.086	117	125210	5.525	ug/l #	16
52) Toluene	10.505	92	390285	8.862	ug/l	98
59) 2-Hexanone	11.087	43	21988	0.989	ug/l	84
71) Bromoform	12.734	173	6987	0.420	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.825	83	627	0.463	ug/l #	76
76) 1,2,3-Trichloropropane	12.731	75	779395	23.906	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	779395	81.010	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	4553	0.235	ug/l	96
95) Naphthalene	15.507	128	25642	2.258	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.708	180	5317	1.108	ug/l	91

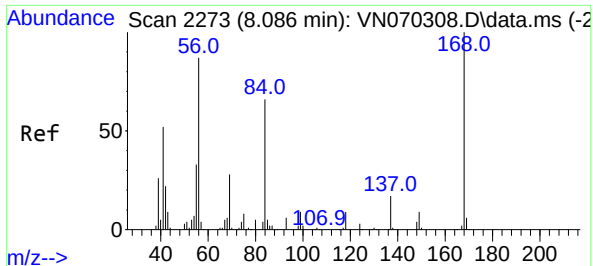
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Dec 28 01:43:32 2021
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

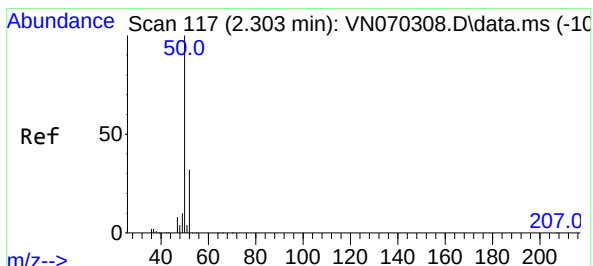
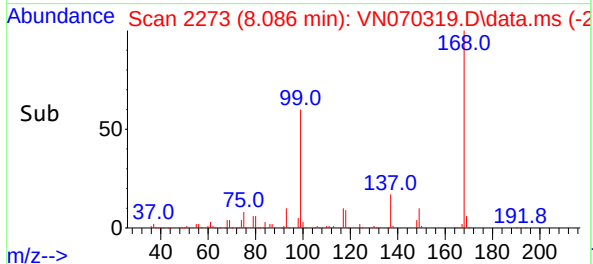
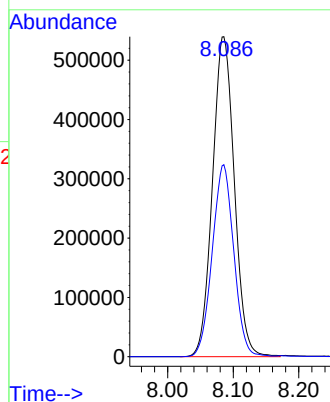
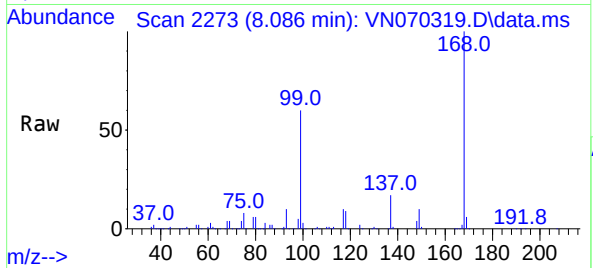




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

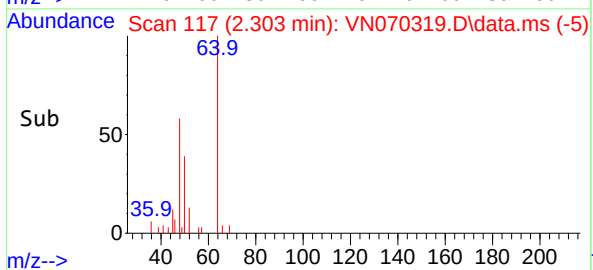
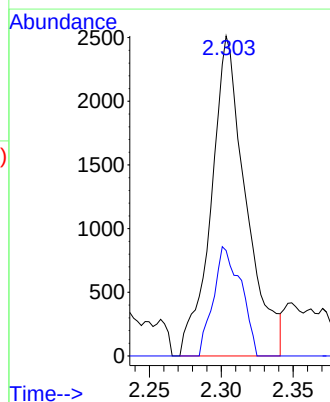
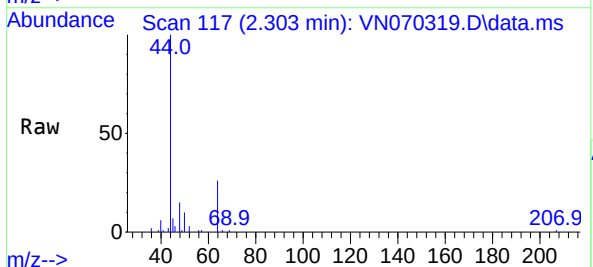
Instrument :
MSVOA_N
ClientSampleId :

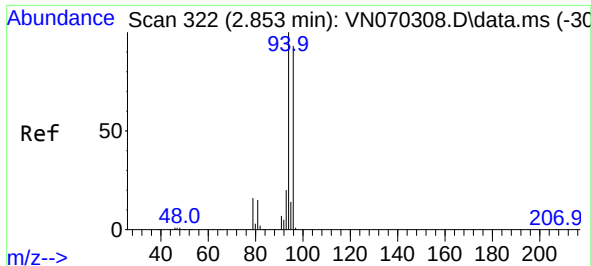
Tgt Ion:168 Resp: 1247201
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9



#3
Chloromethane
Concen: 0.219 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

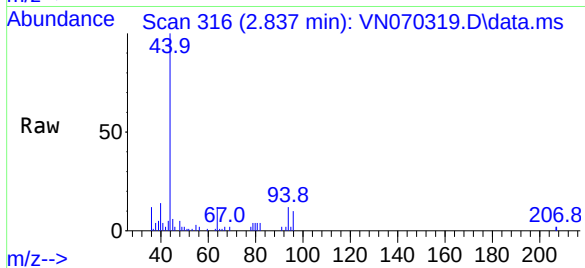
Tgt Ion: 50 Resp: 4210
Ion Ratio Lower Upper
50 100
52 32.9 25.4 38.0



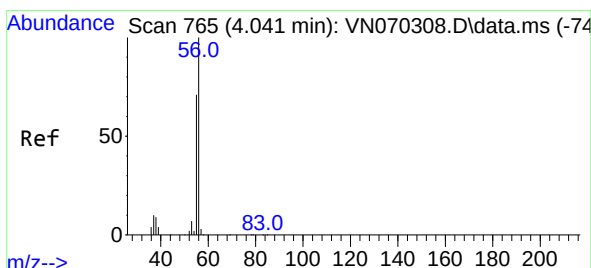
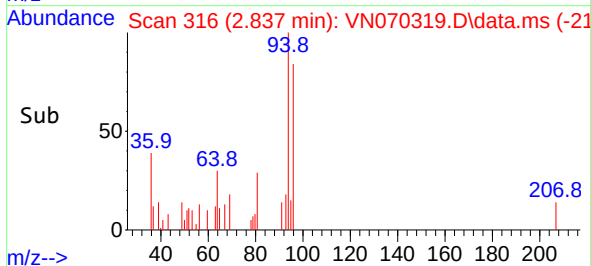
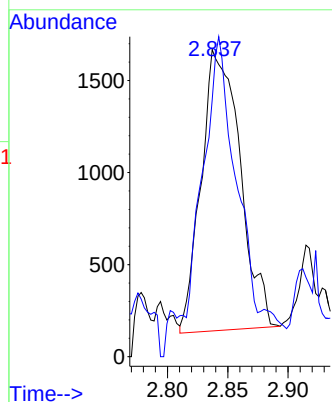


#5
Bromomethane
Concen: 0.379 ug/l
RT: 2.837 min Scan# 316
Delta R.T. -0.016 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Instrument :
MSVOA_N
ClientSampleId :

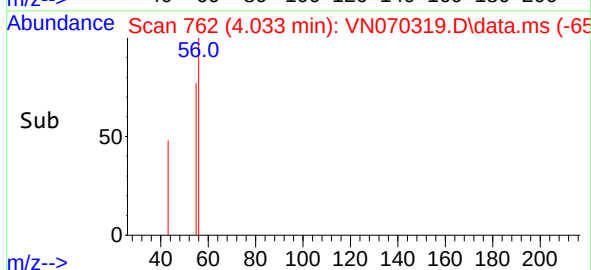
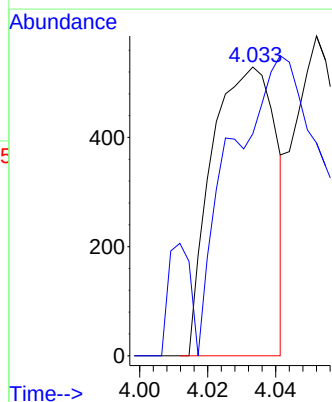
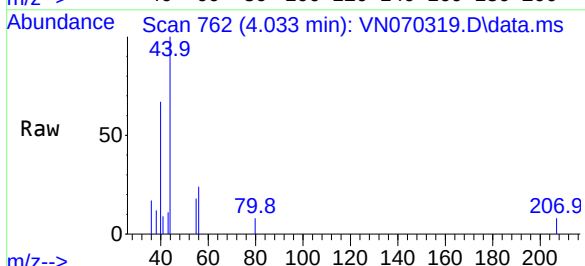


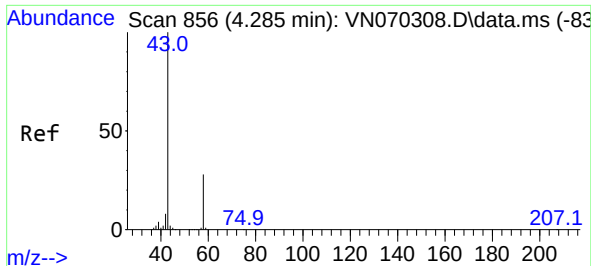
Tgt Ion: 94 Resp: 3425
Ion Ratio Lower Upper
94 100
96 80.6 73.8 110.8



#13
Acrolein
Concen: 0.284 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion: 56 Resp: 689
Ion Ratio Lower Upper
56 100
55 153.1 56.6 85.0#

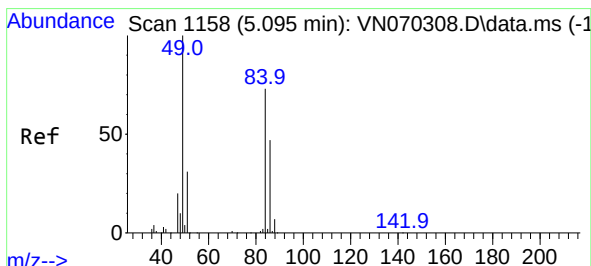
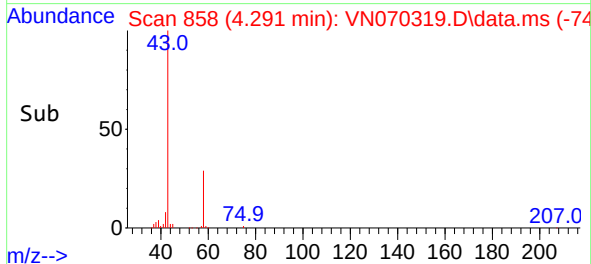
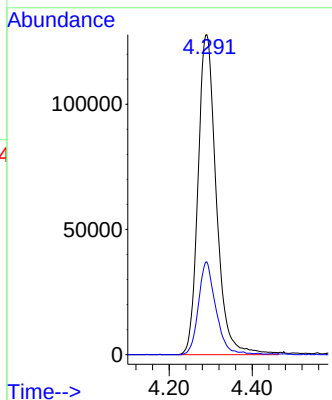
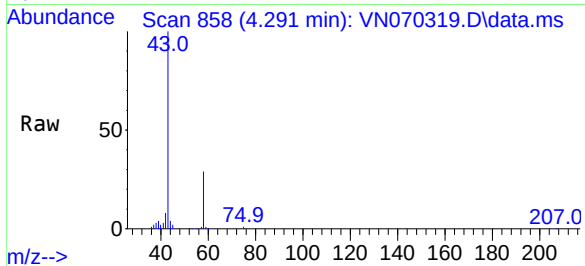




#16
Acetone
Concen: 33.560 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

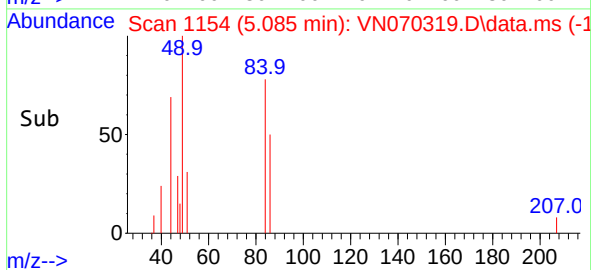
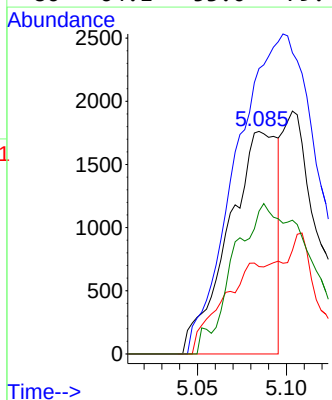
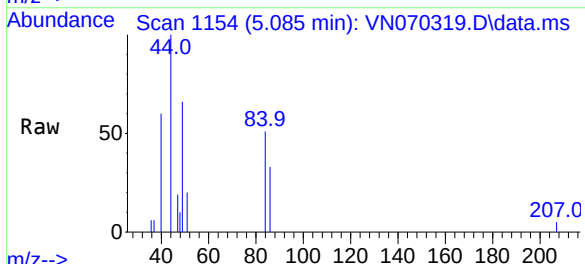
Instrument :
MSVOA_N
ClientSampleId :

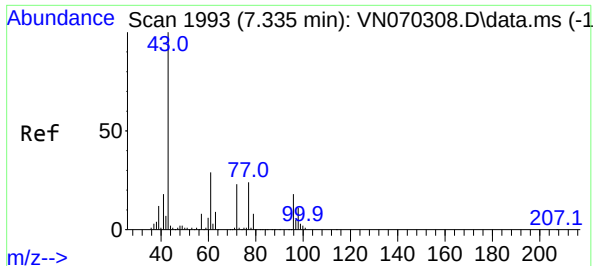
Tgt Ion: 43 Resp: 390667
Ion Ratio Lower Upper
43 100
58 29.0 23.1 34.7



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 5.085 min Scan# 1154
Delta R.T. -0.010 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion: 84 Resp: 3367
Ion Ratio Lower Upper
84 100
49 128.2 93.5 140.3
51 39.3 29.4 44.2
86 64.1 53.0 79.4

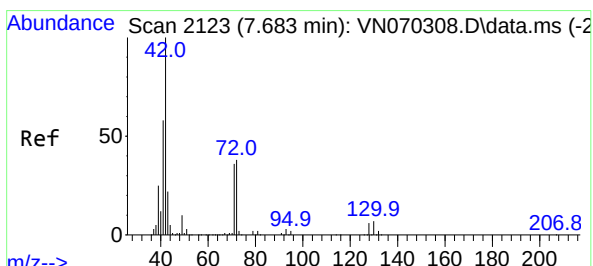
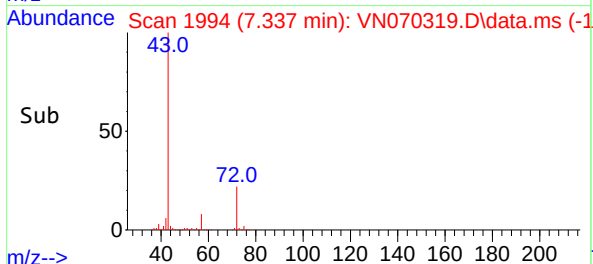
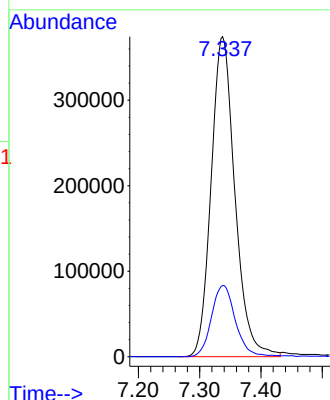
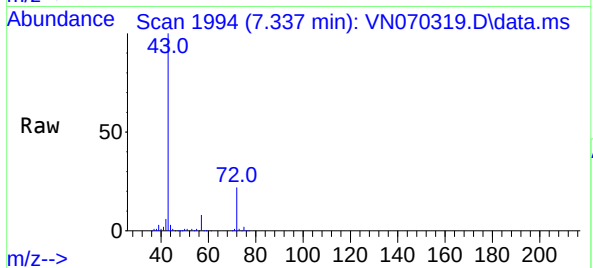




#25
2-Butanone
Concen: 68.856 ug/l
RT: 7.337 min Scan# 1993
Delta R.T. 0.002 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

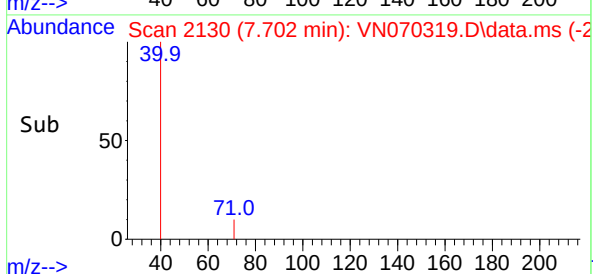
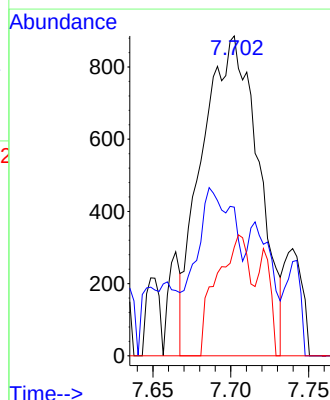
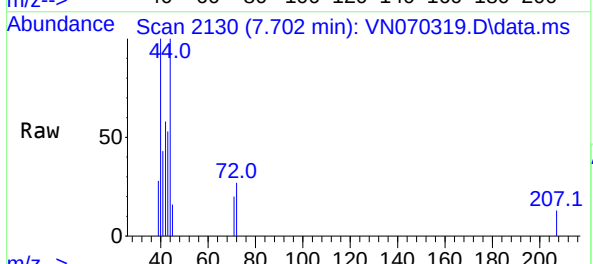
Instrument :
MSVOA_N
ClientSampleId :

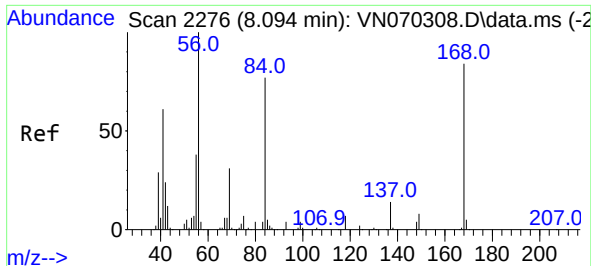
Tgt Ion: 43 Resp: 1009247
Ion Ratio Lower Upper
43 100
72 22.3 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.256 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

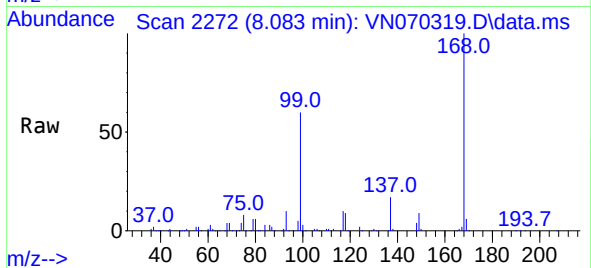
Tgt Ion: 42 Resp: 2241
Ion Ratio Lower Upper
42 100
72 18.6 36.3 54.5#
71 22.7 34.7 52.1#



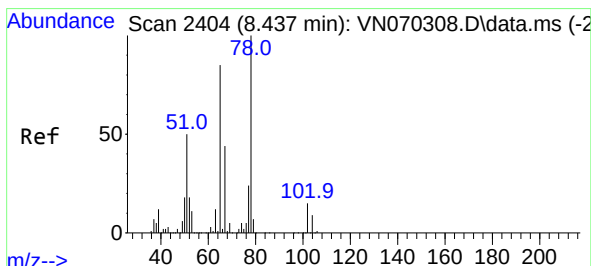
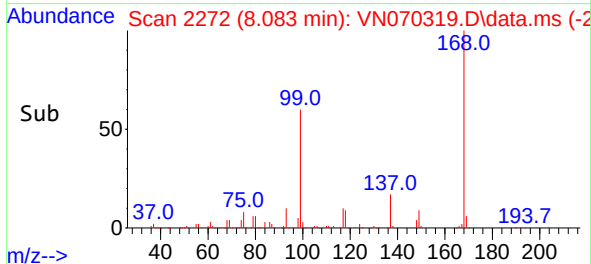
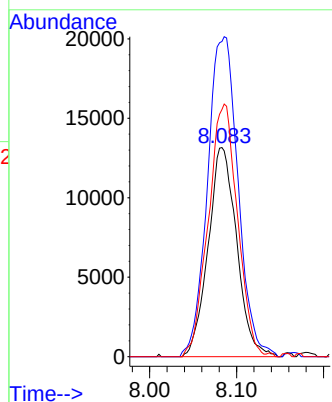


#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Instrument :
MSVOA_N
ClientSampleId :

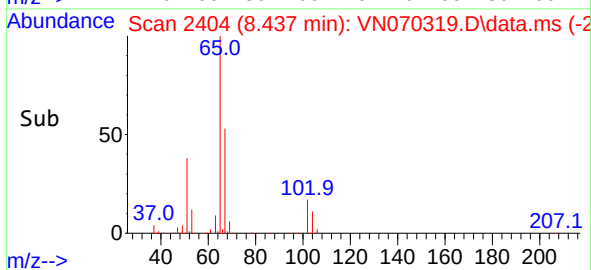
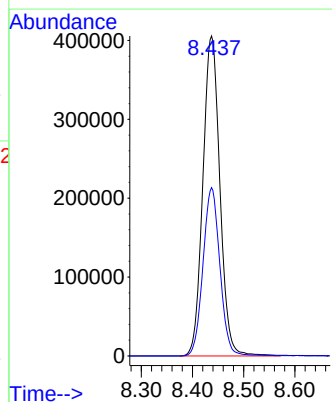
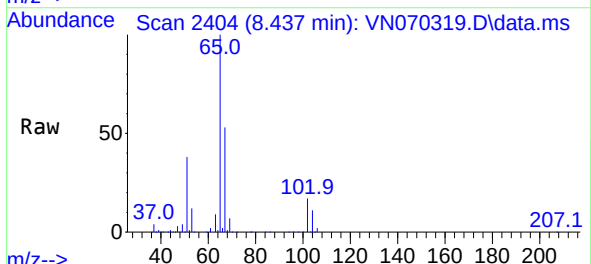


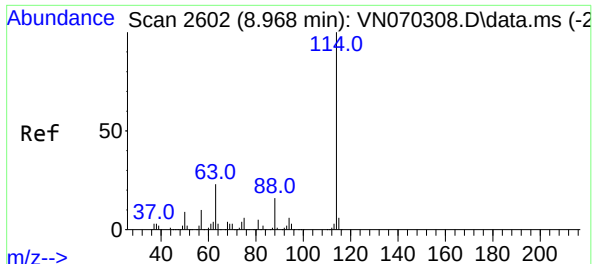
Tgt Ion: 56 Resp: 30007
Ion Ratio Lower Upper
56 100
69 150.7 27.1 40.7#
84 118.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.345 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

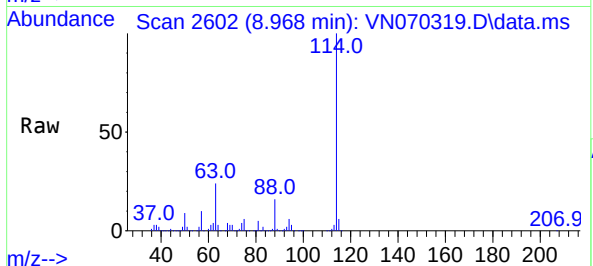
Tgt Ion: 65 Resp: 938677
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0





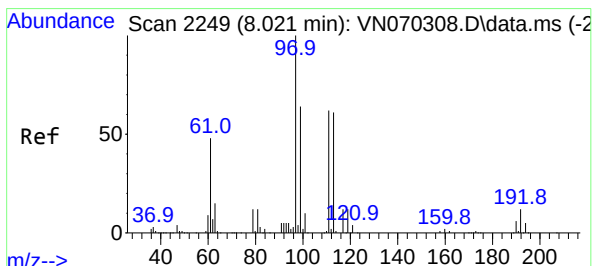
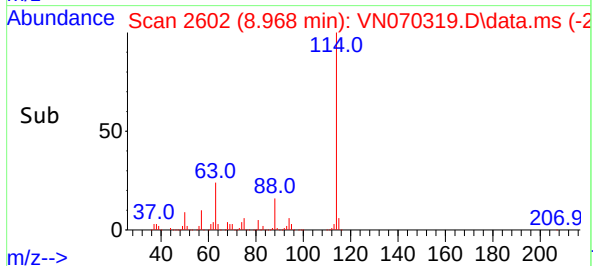
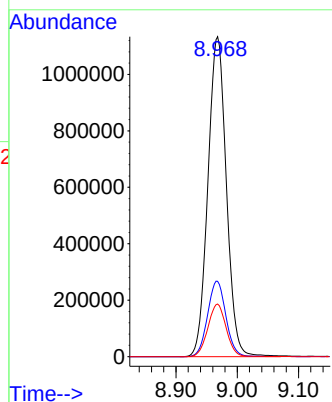
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Instrument :
MSVOA_N
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Tgt Ion:114 Resp: 2371152

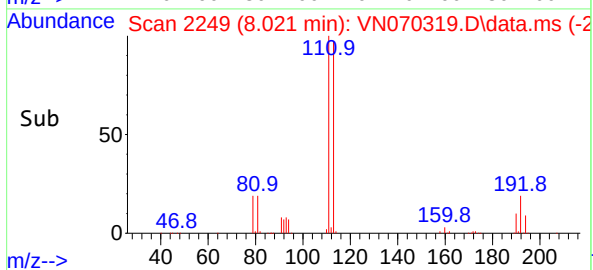
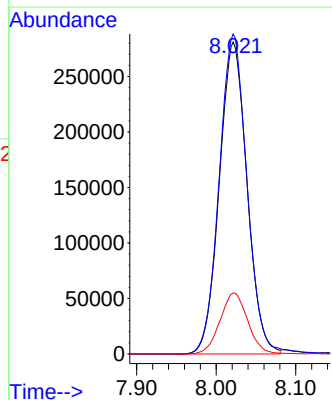
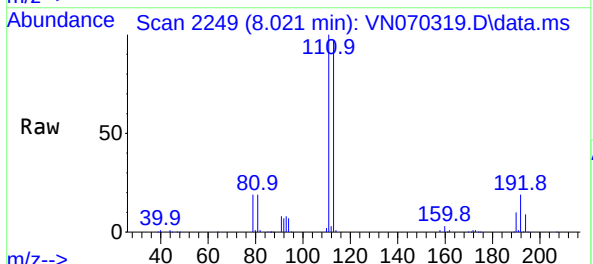
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	37.8
88	16.4	0.0	27.4

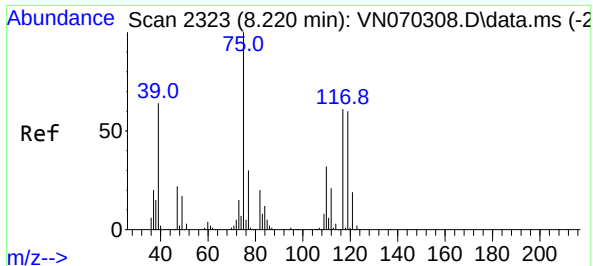


#35
Dibromofluoromethane
Concen: 47.309 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion:113 Resp: 678721

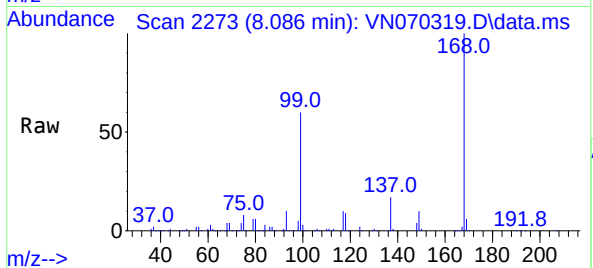
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	19.7	16.9	25.3



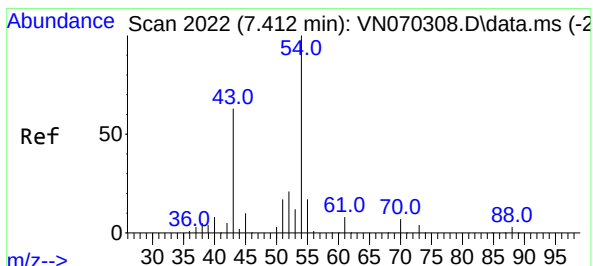
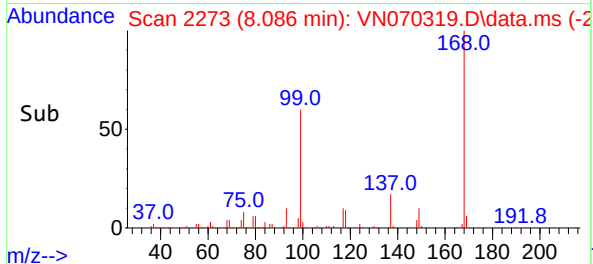
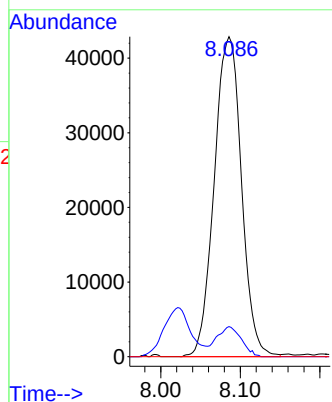


#36
1,1-Dichloropropene
Concen: 4.299 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Instrument :
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ClientSampleId :

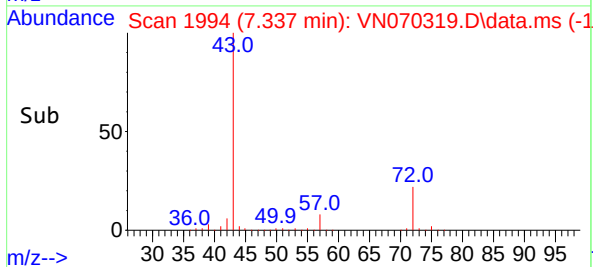
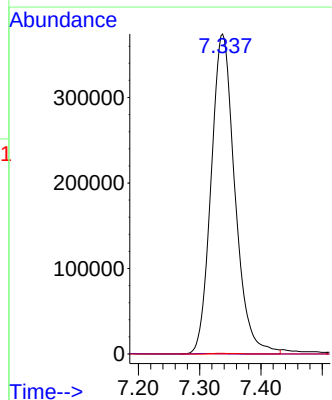
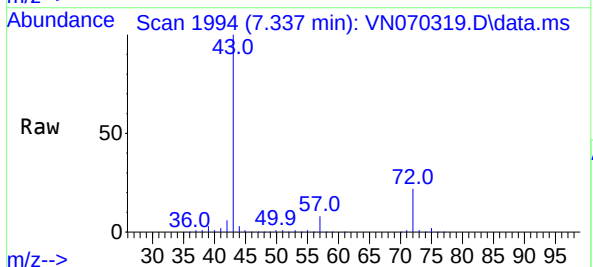


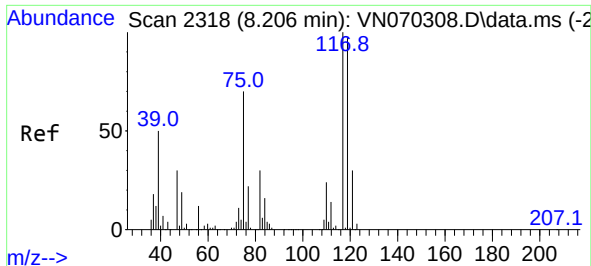
Tgt Ion: 75 Resp: 102018
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 32.807 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. -0.075 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

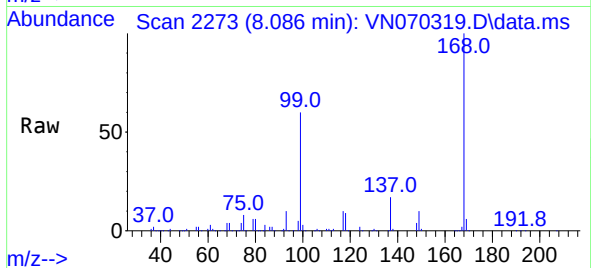
Tgt Ion: 43 Resp: 1009247
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#



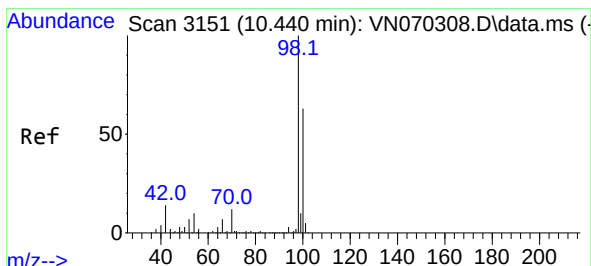
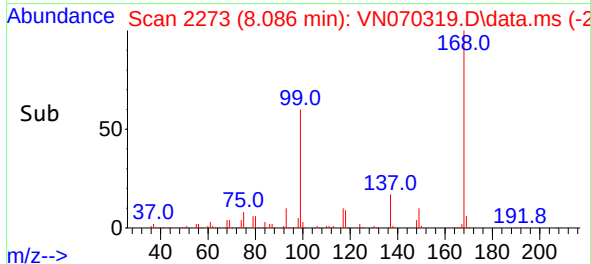
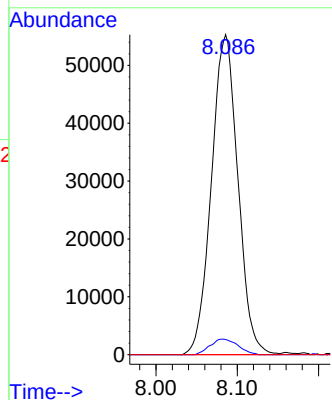


#38
Carbon Tetrachloride
Concen: 5.525 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Instrument :
MSVOA_N
ClientSampleId :

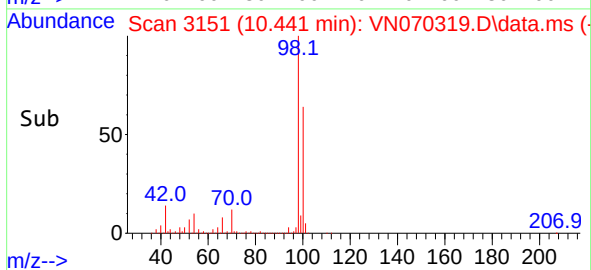
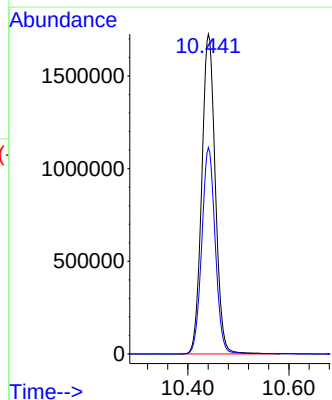
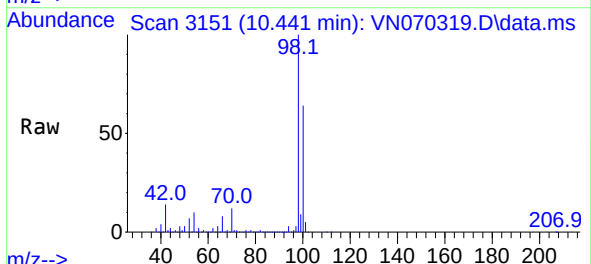


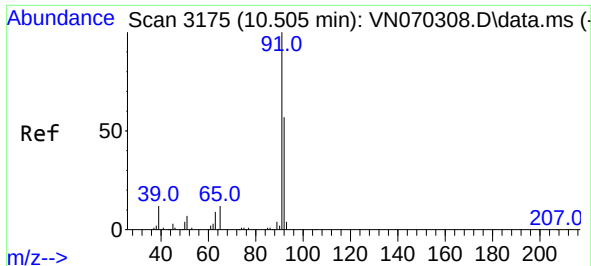
Tgt Ion:117 Resp: 125210
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 54.851 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion: 98 Resp: 3214678
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6

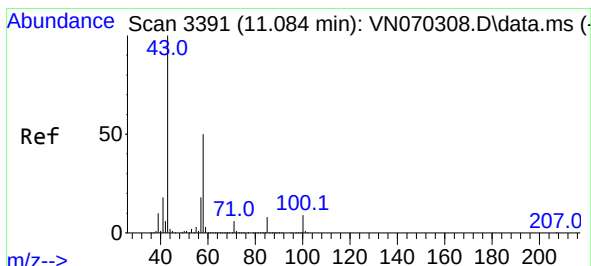
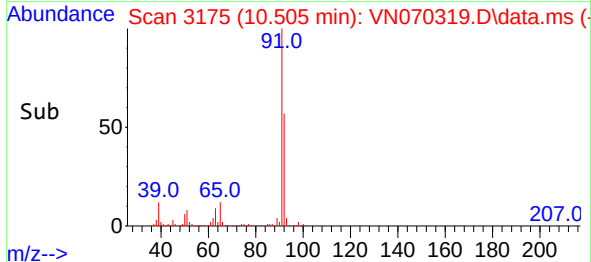
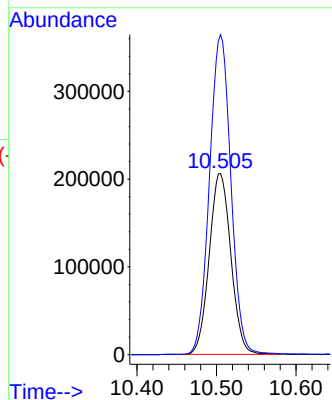
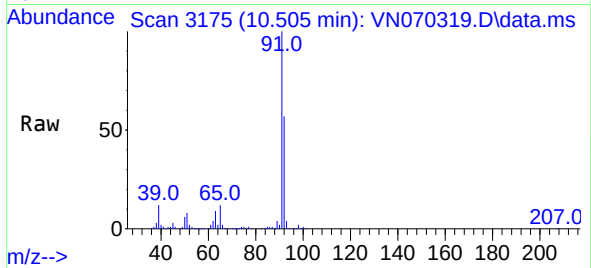




#52
Toluene
Concen: 8.862 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

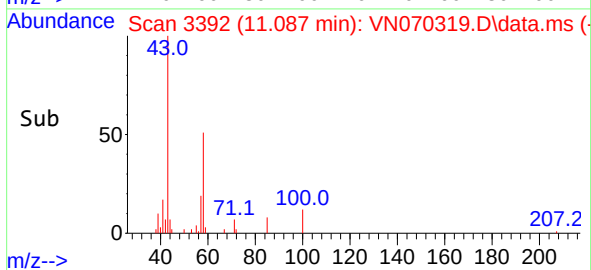
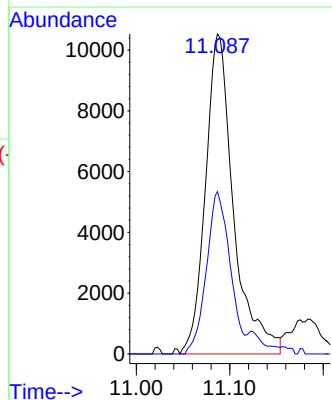
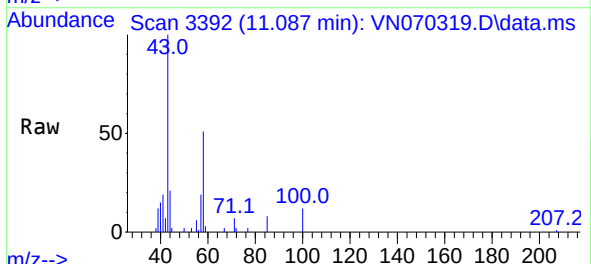
Instrument :
MSVOA_N
ClientSampleId :

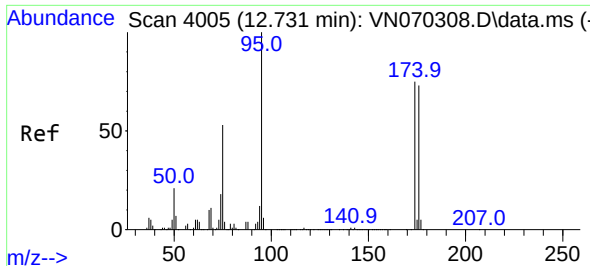
Tgt Ion: 92 Resp: 390285
Ion Ratio Lower Upper
92 100
91 175.0 142.0 213.0



#59
2-Hexanone
Concen: 0.989 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion: 43 Resp: 21988
Ion Ratio Lower Upper
43 100
58 42.6 26.9 80.7

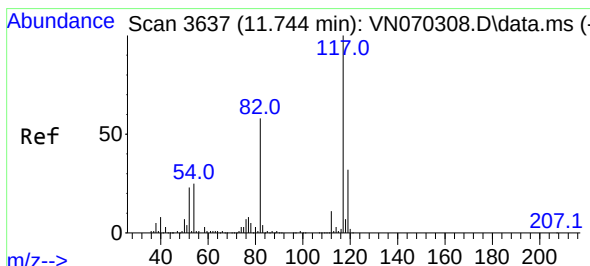
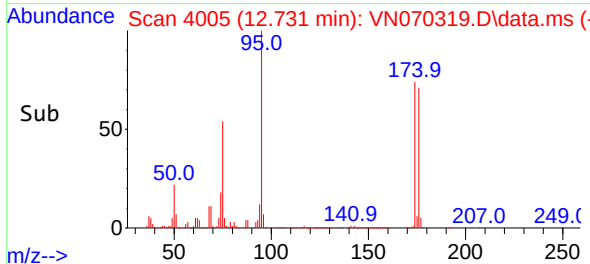
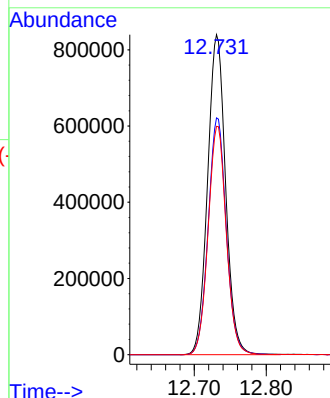
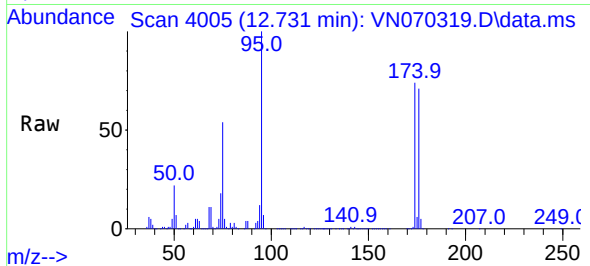




#62
4-Bromofluorobenzene
Concen: 69.136 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

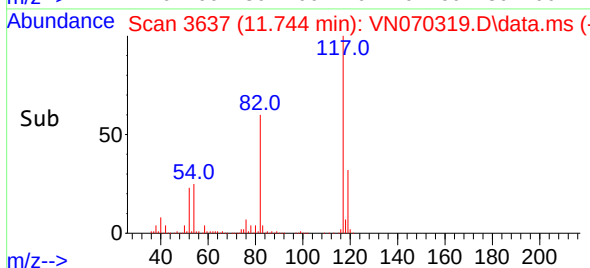
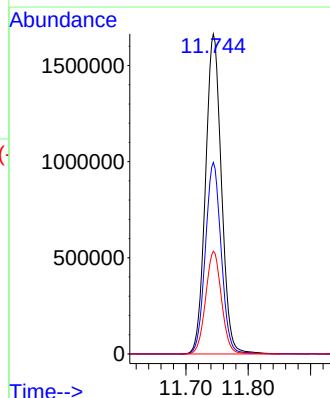
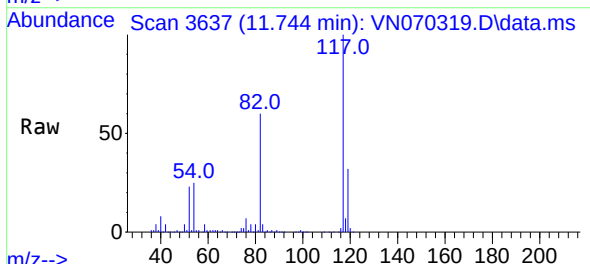
Instrument :
MSVOA_N
ClientSampleId :

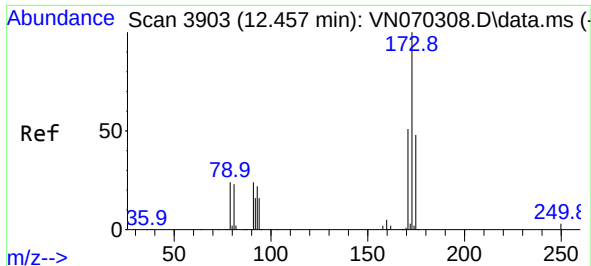
Tgt Ion: 95 Resp: 1463448
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 72.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion: 117 Resp: 2956076
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.1 25.4 38.2

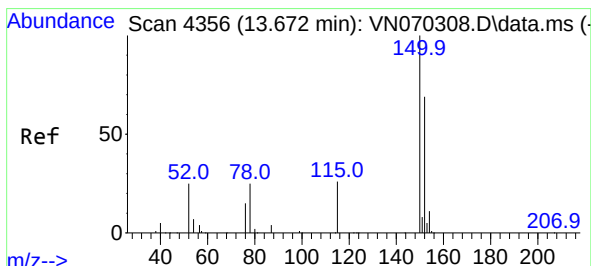
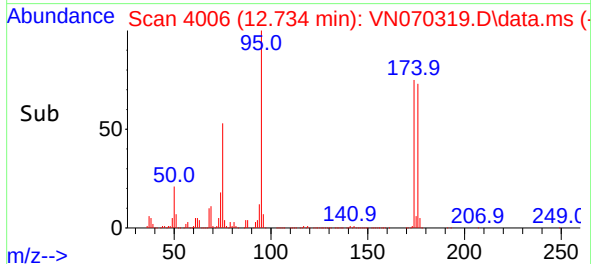
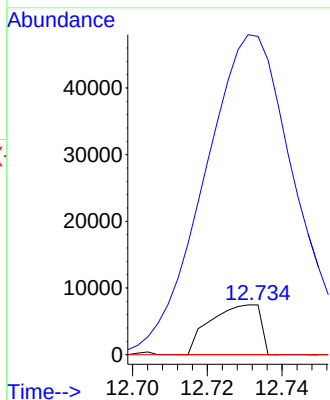
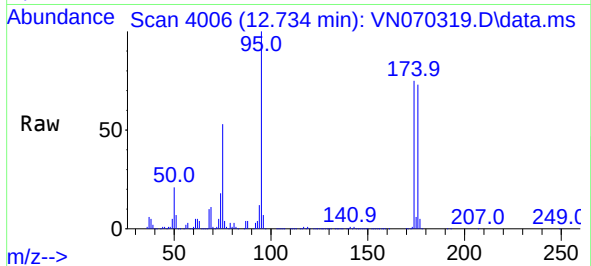




#71
Bromoform
Concen: 0.420 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.277 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

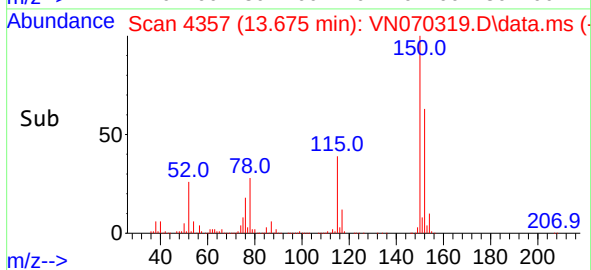
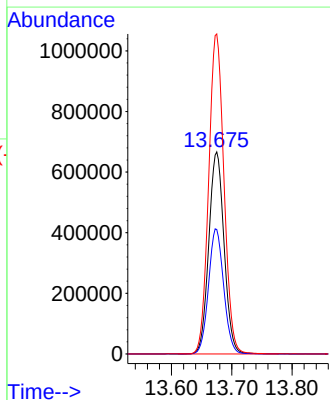
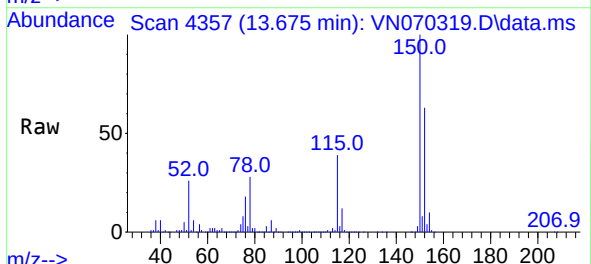
Instrument :
MSVOA_N
ClientSampleId :

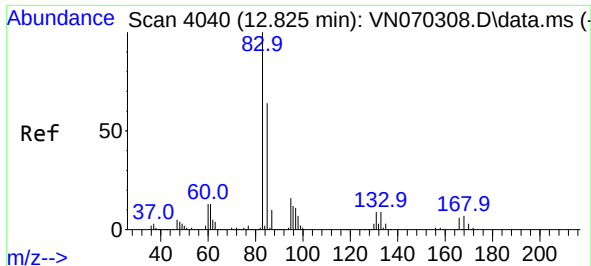
Tgt Ion:173 Resp: 6987
Ion Ratio Lower Upper
173 100
175 1080.7 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion:152 Resp: 1175465
Ion Ratio Lower Upper
152 100
115 61.3 27.5 82.5
150 158.0 0.0 344.4

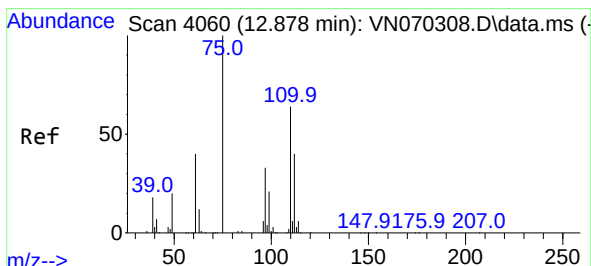
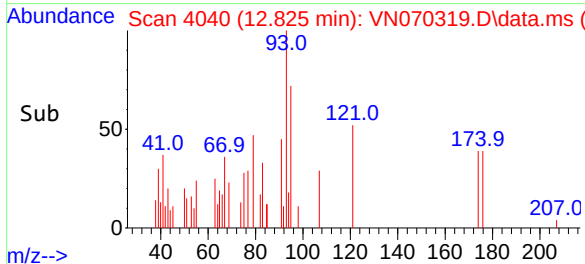
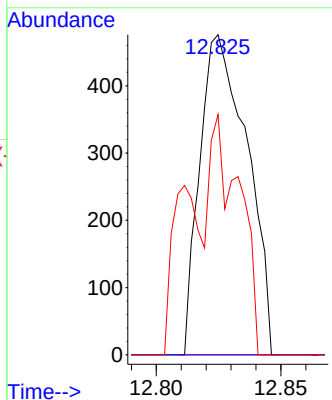
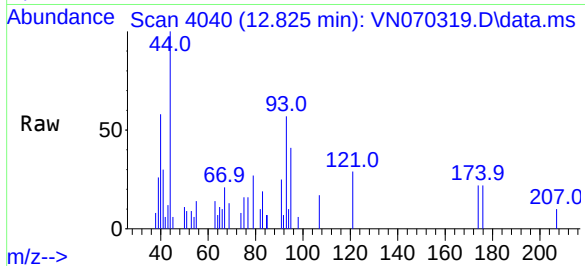




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.463 ug/l
 RT: 12.825 min Scan# 4040
 Delta R.T. -0.000 min
 Lab File: VN070319.D
 Acq: 27 Dec 2021 19:26

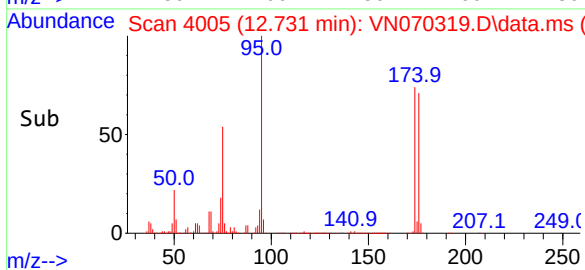
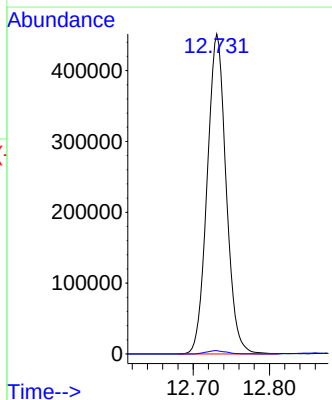
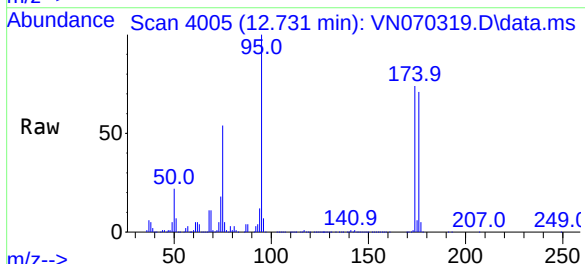
Instrument :
 MSVOA_N
 ClientSampleId :

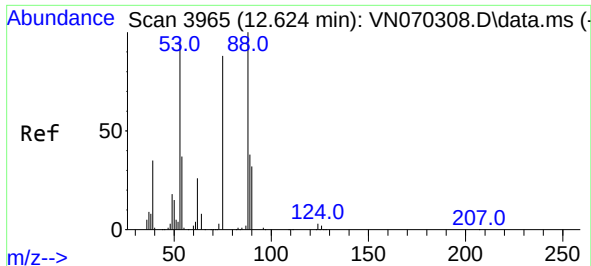
Tgt Ion: 83 Resp: 627
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 46.9 32.4 97.2



#76
 1,2,3-Trichloropropane
 Concen: 23.906 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070319.D
 Acq: 27 Dec 2021 19:26

Tgt Ion: 75 Resp: 779395
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

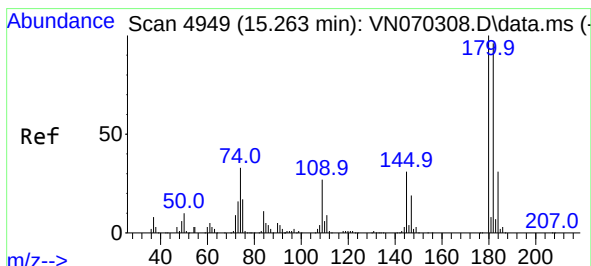
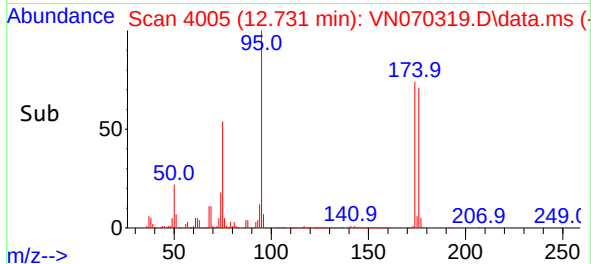
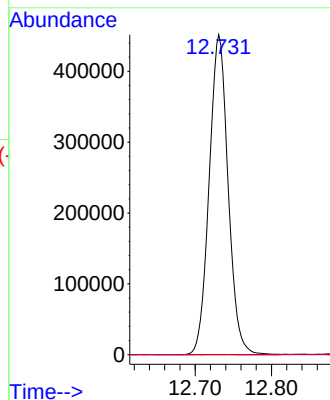
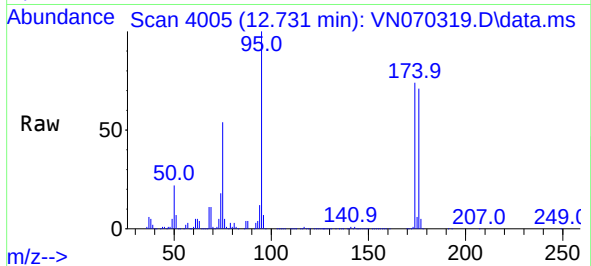




#81
trans-1,4-Dichloro-2-butene
Concen: 81.010 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

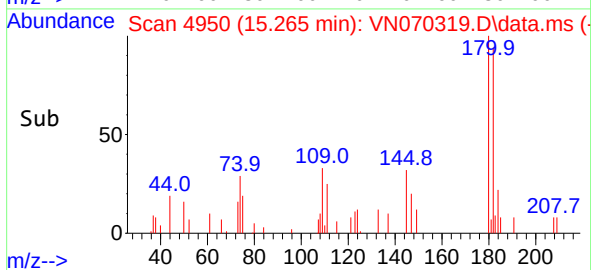
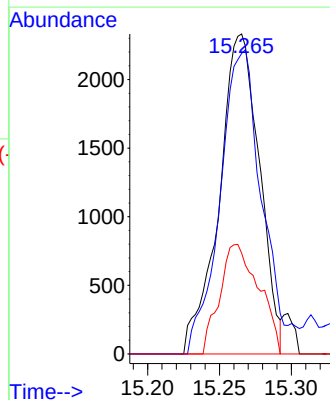
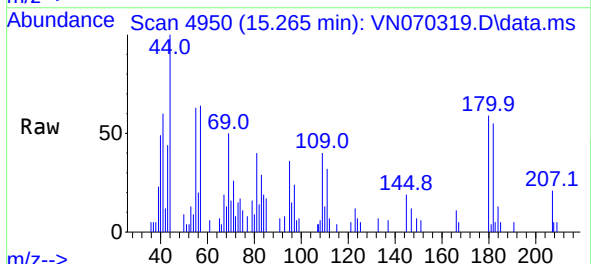
Instrument :
MSVOA_N
ClientSampleId :

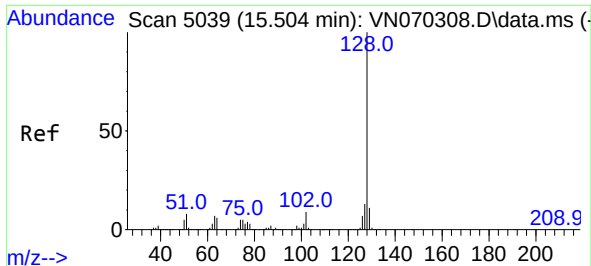
Tgt Ion: 75 Resp: 779395
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.235 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion:180 Resp: 4553
Ion Ratio Lower Upper
180 100
182 99.2 48.3 144.9
145 33.2 14.5 43.5

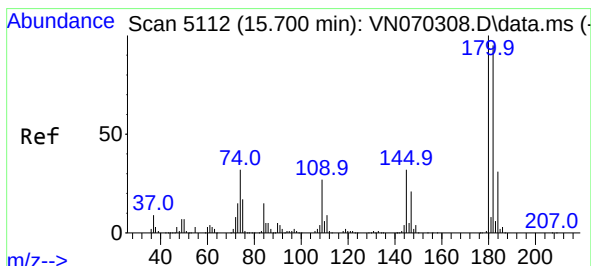
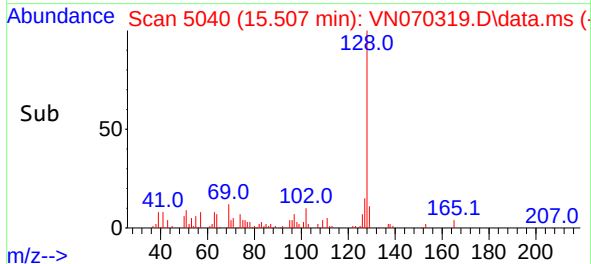
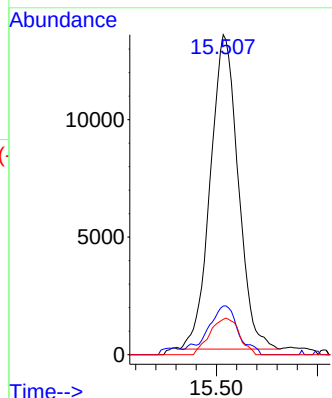
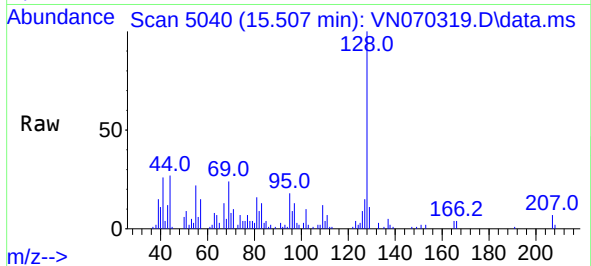




#95
Naphthalene
Concen: 2.258 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 25642
Ion Ratio Lower Upper
128 100
127 17.0 10.5 15.7#
129 12.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.108 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.008 min
Lab File: VN070319.D
Acq: 27 Dec 2021 19:26

Tgt Ion:180 Resp: 5317
Ion Ratio Lower Upper
180 100
182 83.3 47.4 142.2
145 29.2 15.0 45.1

