

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070584.D
 Acq On : 12 Jan 2022 14:19
 Operator : JC/MD
 Sample : N1021-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:26:26 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)

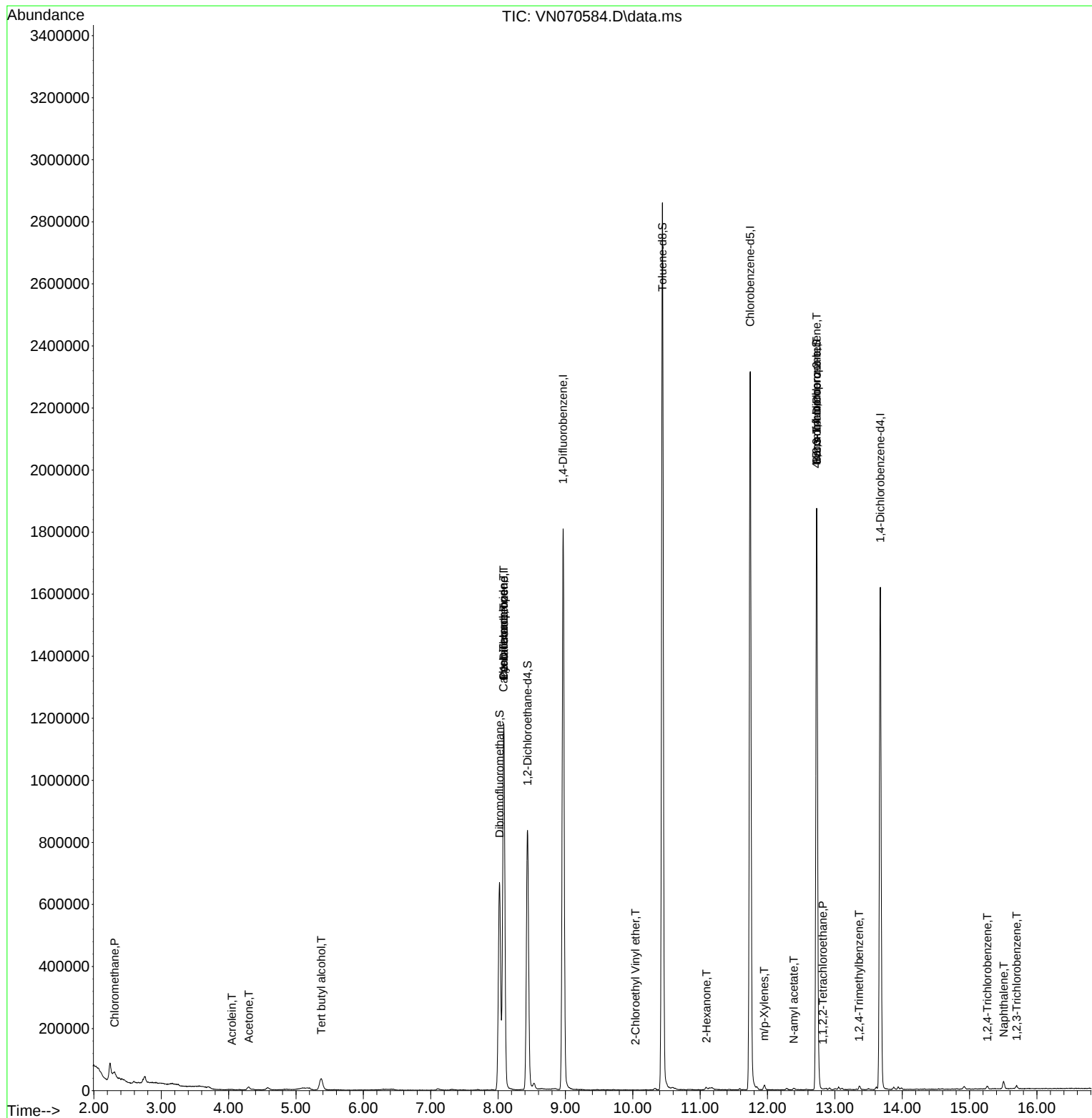
Internal Standards						
1) Pentafluorobenzene	8.086	168	927542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1570483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1364535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	459719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	703594	52.758	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.520%	
35) Dibromofluoromethane	8.021	113	501068	52.732	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.460%	
50) Toluene-d8	10.440	98	2008518	51.743	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.480%	
62) 4-Bromofluorobenzene	12.728	95	710558	50.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.360%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3946	0.276	ug/l	93
11) Tert butyl alcohol	5.377	59	67340	30.326	ug/l	97
13) Acrolein	4.047	56	969	0.538	ug/l	85
16) Acetone	4.299	43	11704	1.352	ug/l	93
31) Cyclohexane	8.083	56	20531	0.976	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	76829	4.888	ug/l #	49
38) Carbon Tetrachloride	8.080	117	90010	5.997	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.041	63	25	18.518	ug/l #	45
59) 2-Hexanone	11.095	43	8373	0.569	ug/l	82
68) m/p-Xylenes	11.953	106	4978	0.258	ug/l	98
71) Bromoform	12.731	173	3776	0.492	ug/l #	1
74) N-amyl acetate	12.390	43	3770	0.210	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.822	83	610	0.486	ug/l #	59
76) 1,2,3-Trichloropropane	12.731	75	362216	27.893	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	362216	96.264	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.361	105	7817	0.237	ug/l	90
93) 1,2,4-Trichlorobenzene	15.263	180	3379	0.446	ug/l	97
95) Naphthalene	15.507	128	23756	2.890	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	4107	1.383	ug/l	96

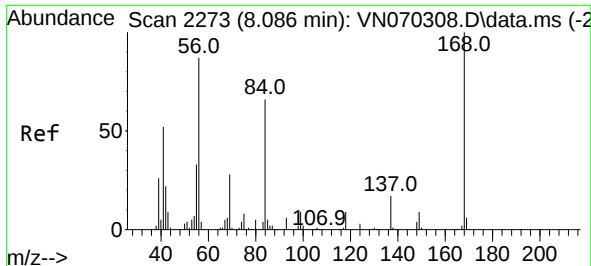
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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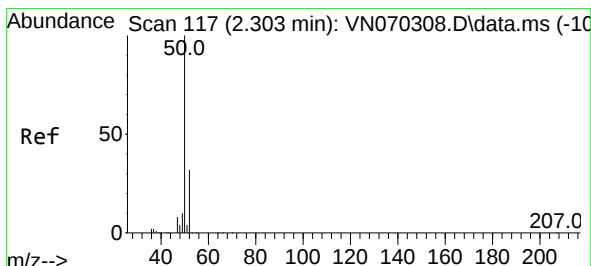
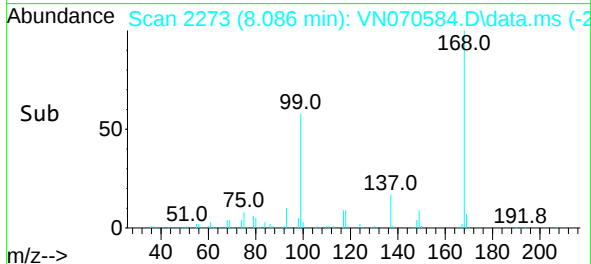
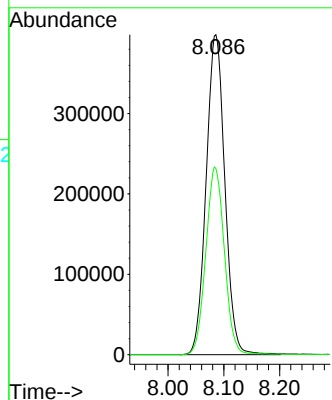
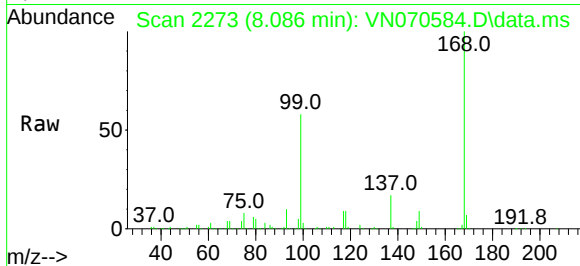




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

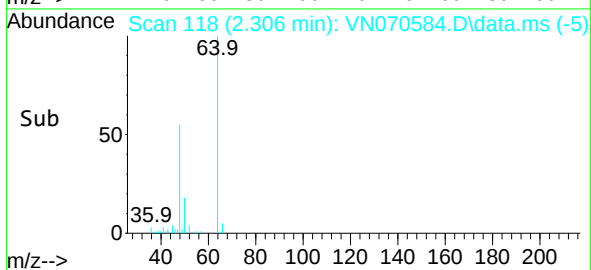
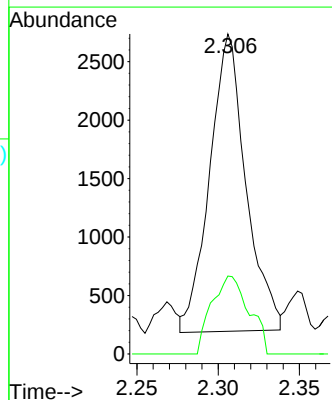
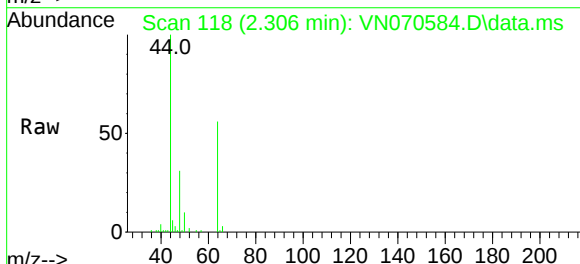
Instrument :
MSVOA_N
ClientSampleId :

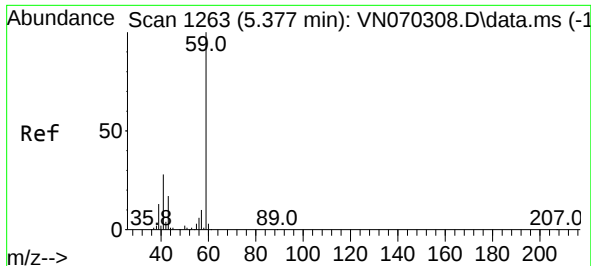
Tgt Ion:168 Resp: 927542
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#3
Chloromethane
Concen: 0.276 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Tgt Ion: 50 Resp: 3946
Ion Ratio Lower Upper
50 100
52 27.6 25.4 38.0





#11

Tert butyl alcohol

Concen: 30.326 ug/l

RT: 5.377 min Scan# 11

Delta R.T. -0.000 min

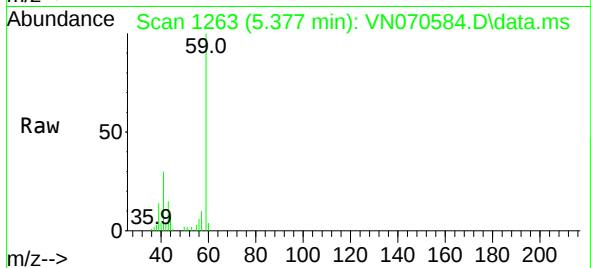
Lab File: VN070584.D

Acq: 12 Jan 2022 14:19

Instrument :

MSVOA_N

ClientSampleId :

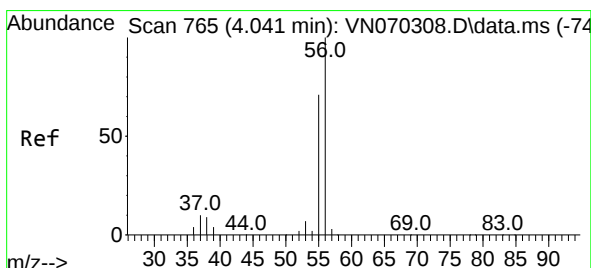
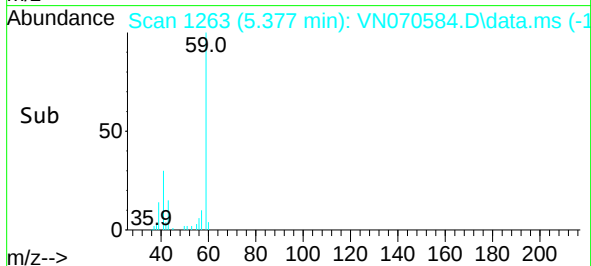
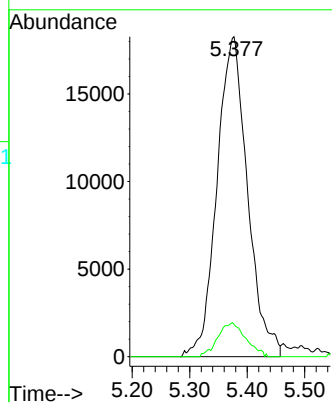


Tgt Ion: 59 Resp: 67340

Ion Ratio Lower Upper

59 100

57 9.7 8.7 13.1



#13

Acrolein

Concen: 0.538 ug/l

RT: 4.047 min Scan# 767

Delta R.T. 0.006 min

Lab File: VN070584.D

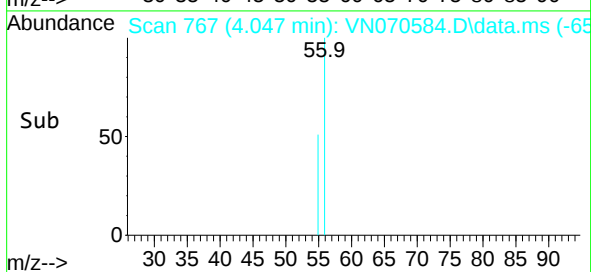
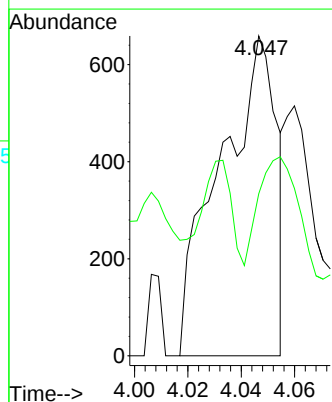
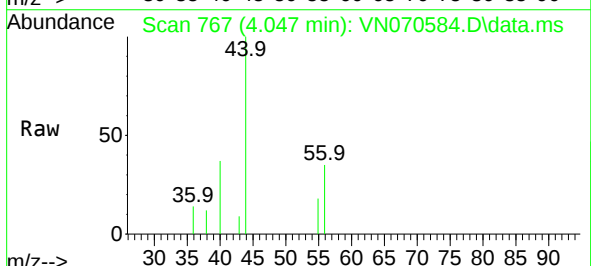
Acq: 12 Jan 2022 14:19

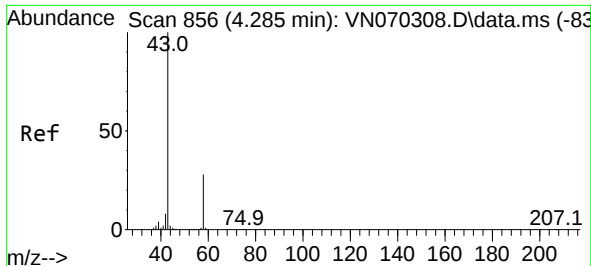
Tgt Ion: 56 Resp: 969

Ion Ratio Lower Upper

56 100

55 58.2 56.6 85.0

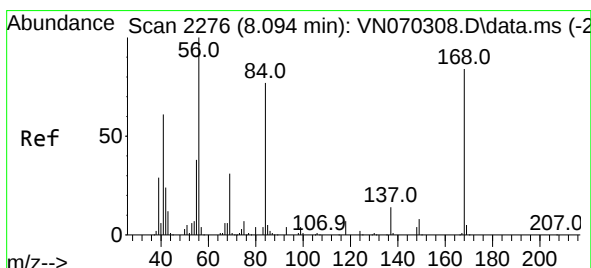
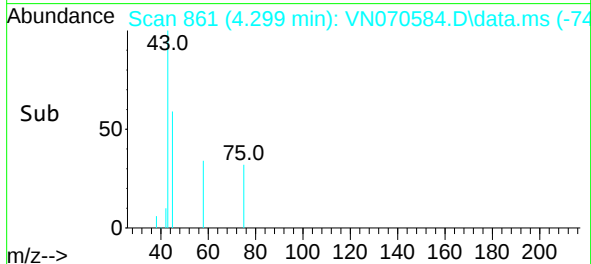
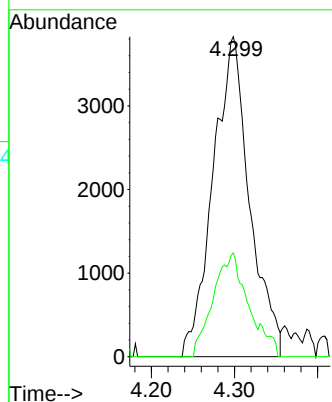
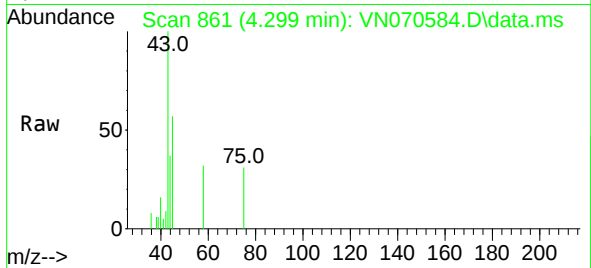




#16
Acetone
Concen: 1.352 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

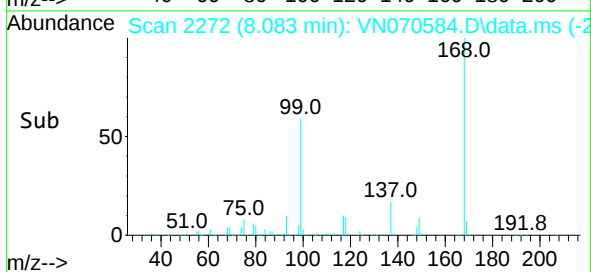
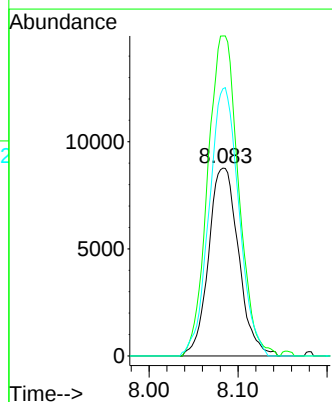
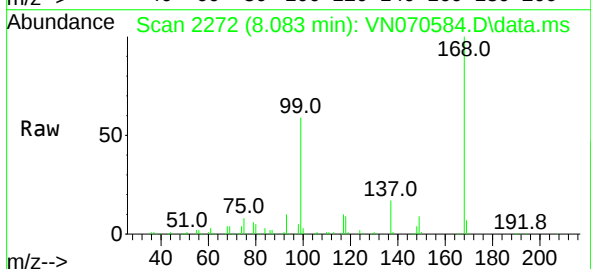
Instrument :
MSVOA_N
ClientSampleId :

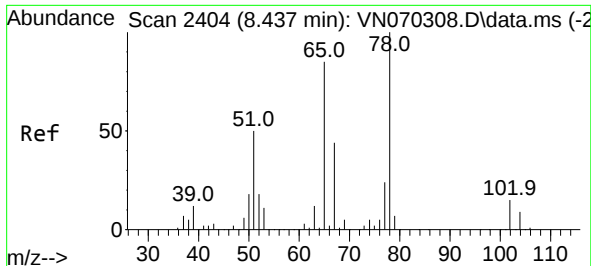
Tgt Ion: 43 Resp: 11704
Ion Ratio Lower Upper
43 100
58 32.4 23.1 34.7



#31
Cyclohexane
Concen: 0.976 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Tgt Ion: 56 Resp: 20531
Ion Ratio Lower Upper
56 100
69 170.4 27.1 40.7#
84 142.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.758 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070584.D

Acq: 12 Jan 2022 14:19

Instrument :

MSVOA_N

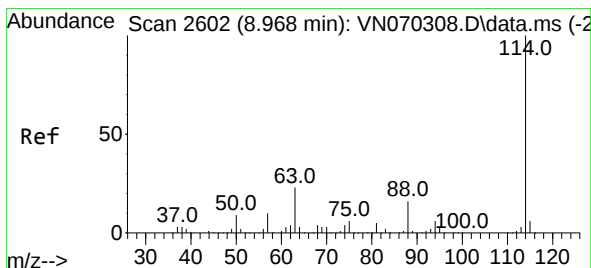
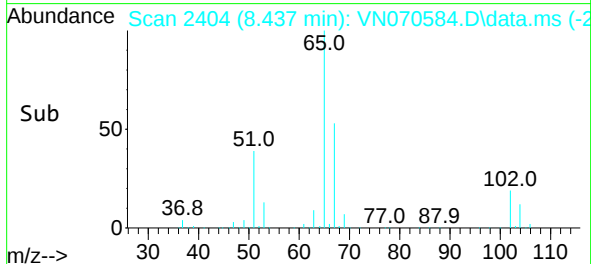
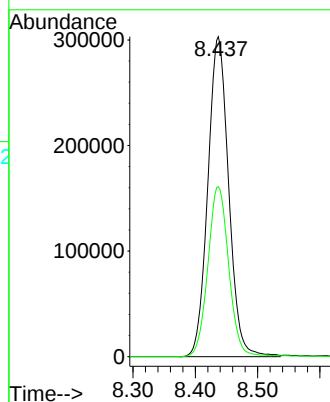
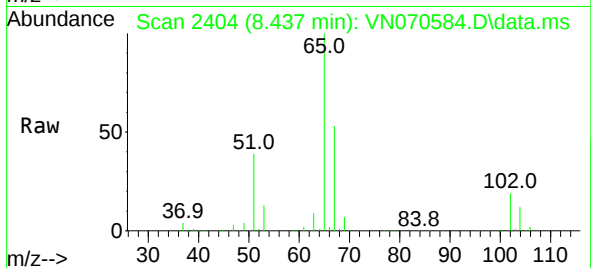
ClientSampleId :

Tgt Ion: 65 Resp: 703594

Ion Ratio Lower Upper

65 100

67 53.2 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: VN070584.D

Acq: 12 Jan 2022 14:19

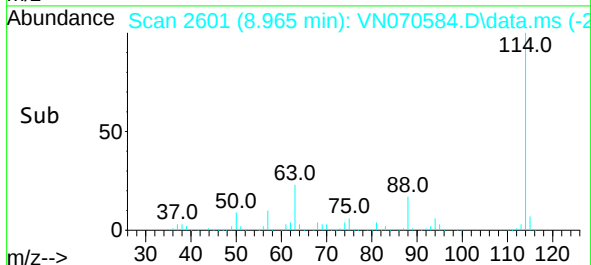
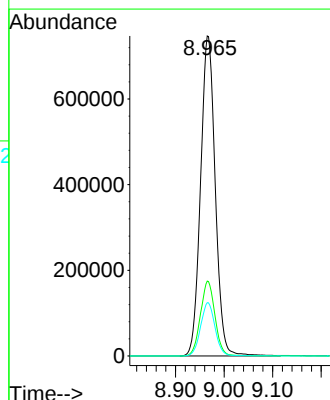
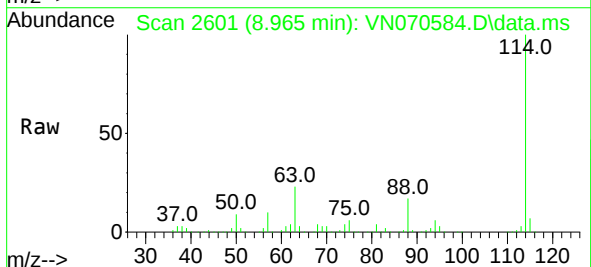
Tgt Ion: 114 Resp: 1570483

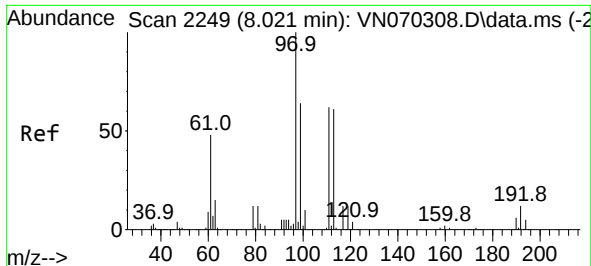
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

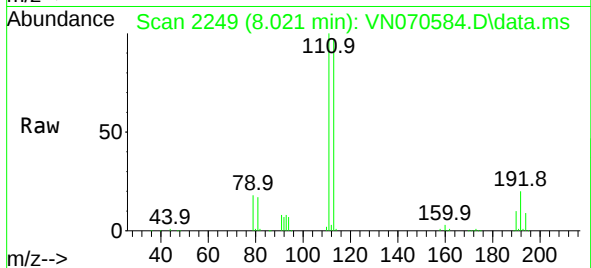
88 16.7 0.0 27.4



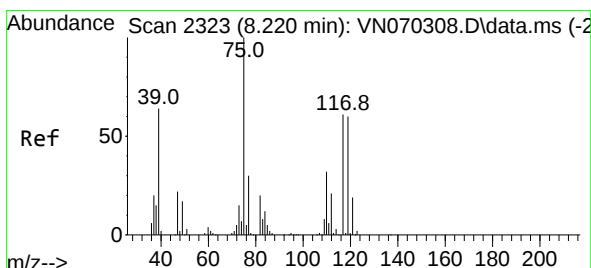
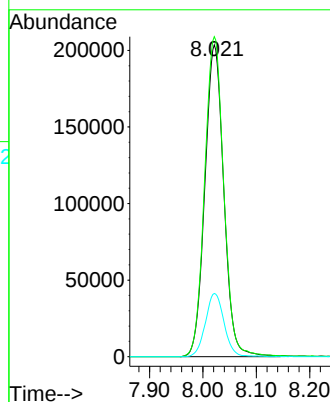
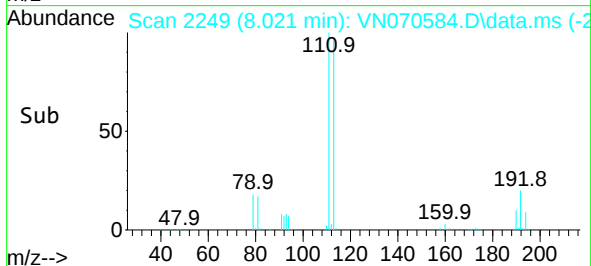


#35
Dibromofluoromethane
Concen: 52.732 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Instrument :
MSVOA_N
ClientSampleId :

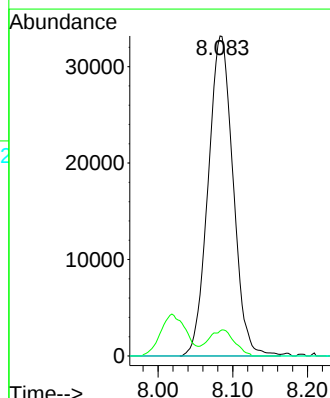
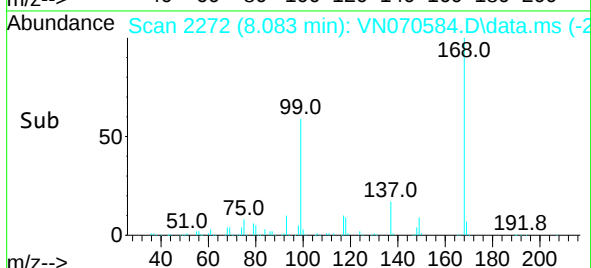
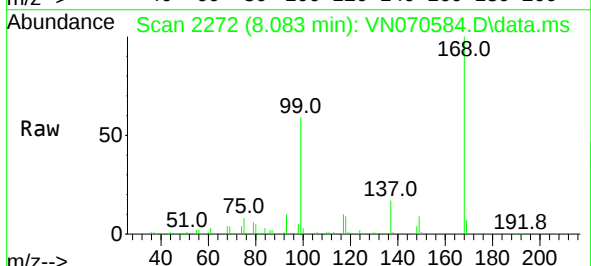


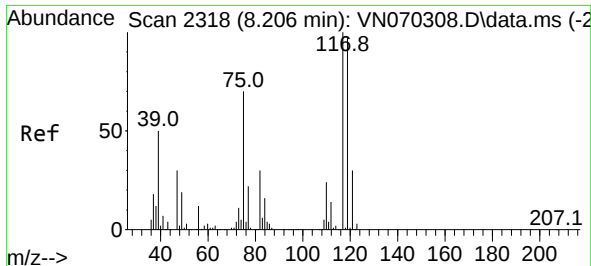
Tgt Ion:113 Resp: 501068
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.888 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

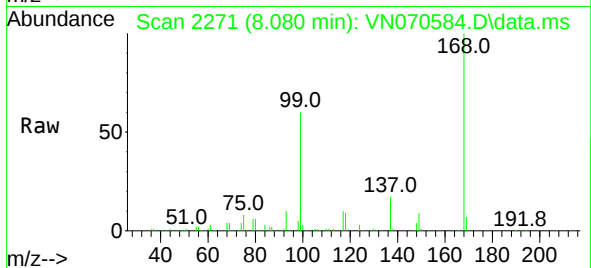
Tgt Ion: 75 Resp: 76829
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



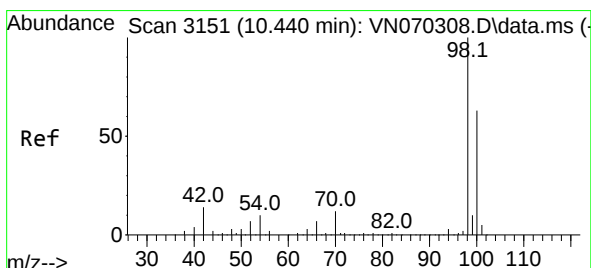
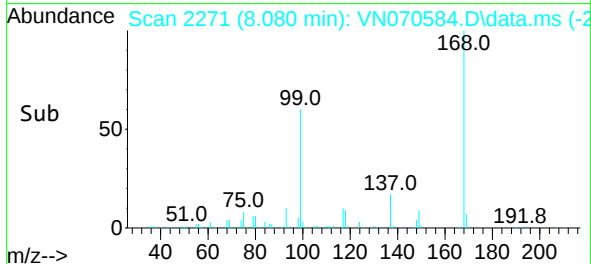
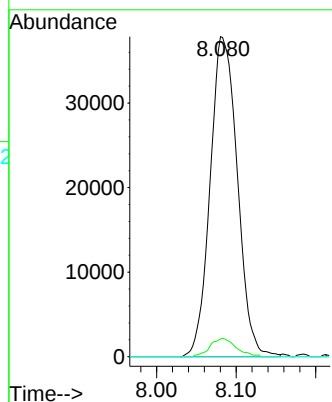


#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 8.080 min Scan# 211
Delta R.T. -0.126 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Instrument :
MSVOA_N
ClientSampleId :

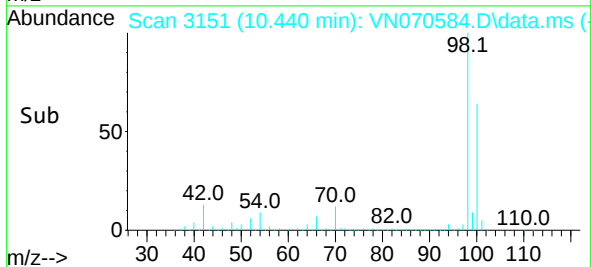
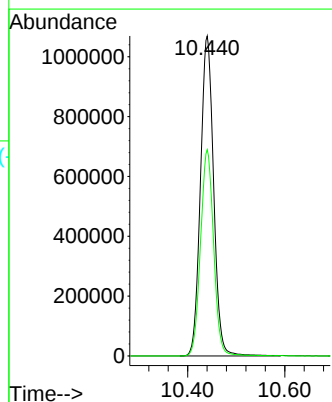
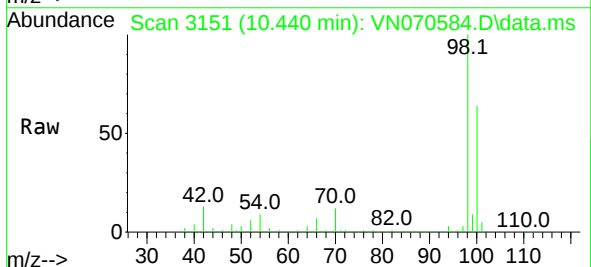


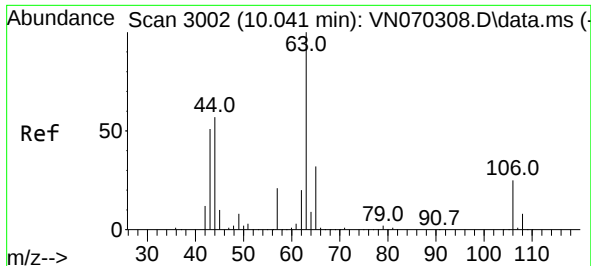
Tgt Ion:117 Resp: 90010
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.743 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Tgt Ion: 98 Resp: 2008518
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

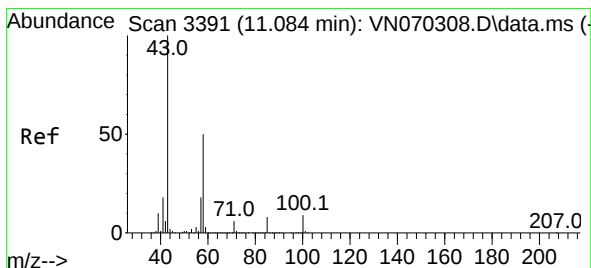
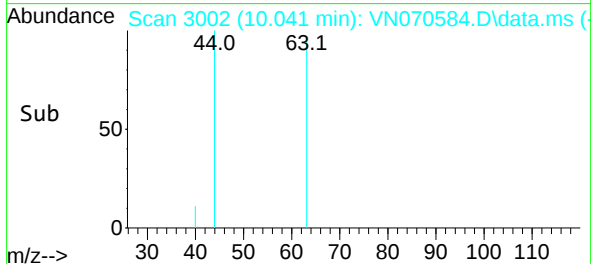
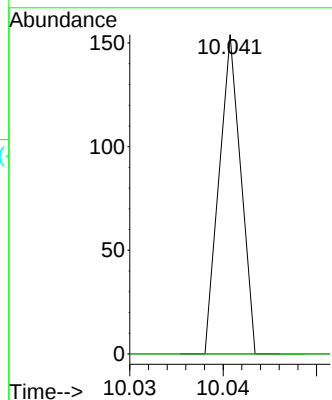
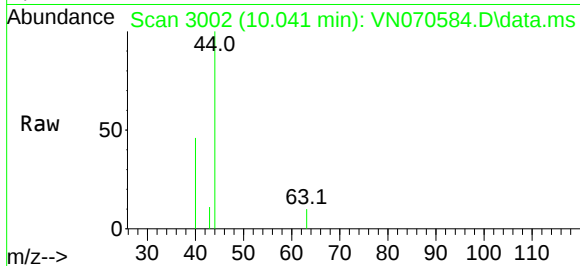




#58
2-Chloroethyl Vinyl ether
Concen: 18.518 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.000 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

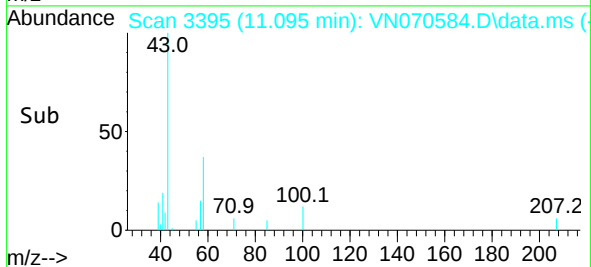
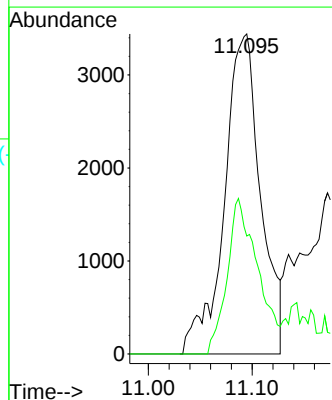
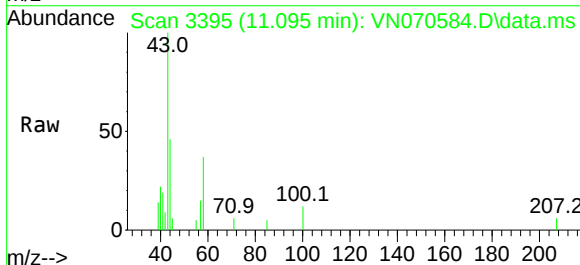
Instrument :
MSVOA_N
ClientSampleId :

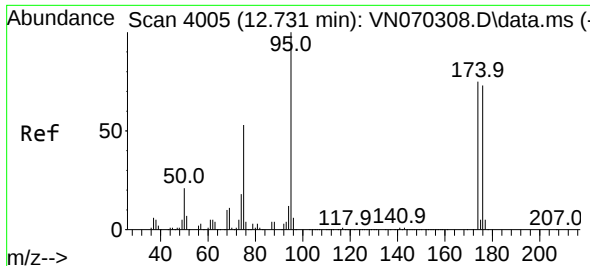
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.569 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.011 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Tgt Ion: 43 Resp: 8373
Ion Ratio Lower Upper
43 100
58 41.0 26.9 80.7

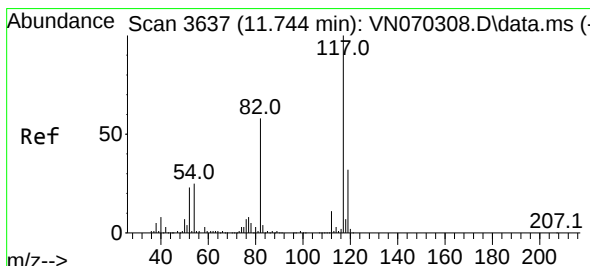
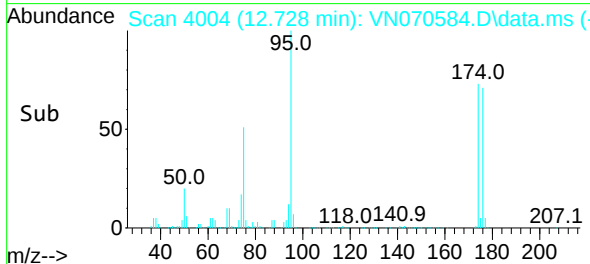
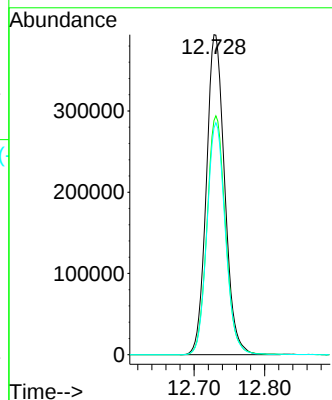
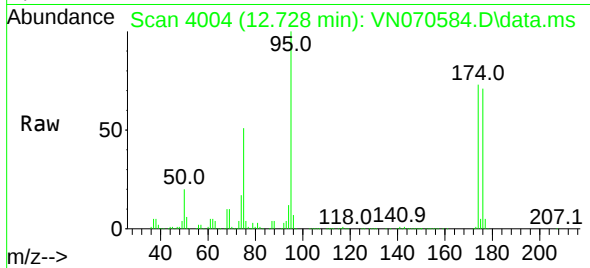




#62
4-Bromofluorobenzene
Concen: 50.682 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

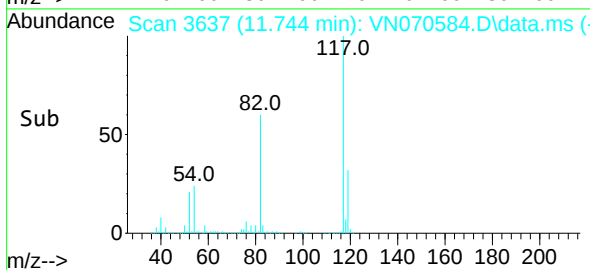
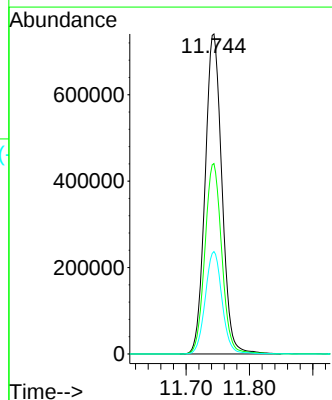
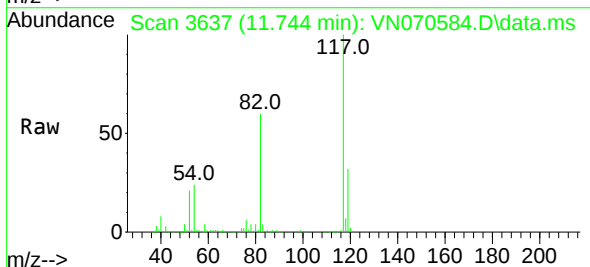
Instrument :
MSVOA_N
ClientSampleId :

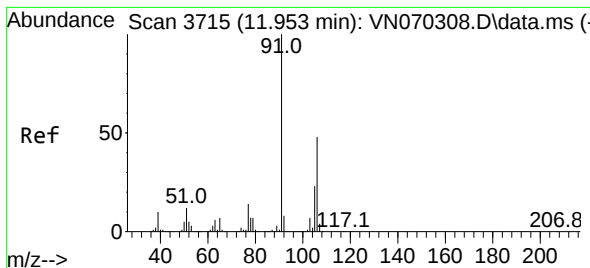
Tgt Ion: 95 Resp: 710558
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Tgt Ion: 117 Resp: 1364535
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.0 25.4 38.2

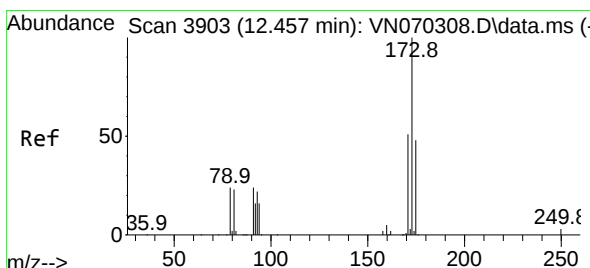
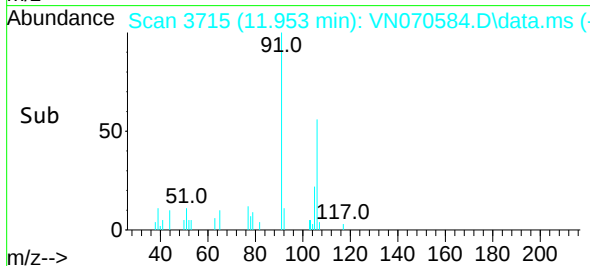
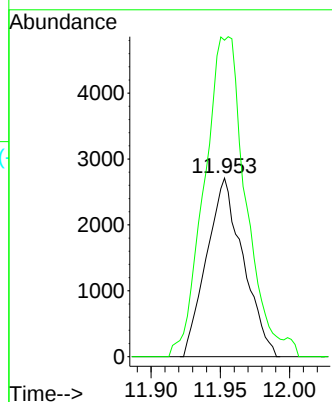
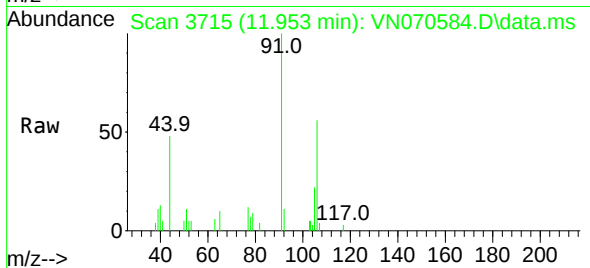




#68
m/p-Xylenes
Concen: 0.258 ug/l
RT: 11.953 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

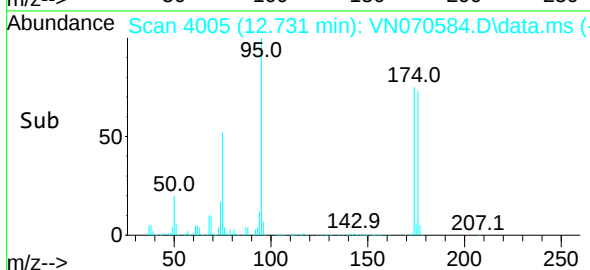
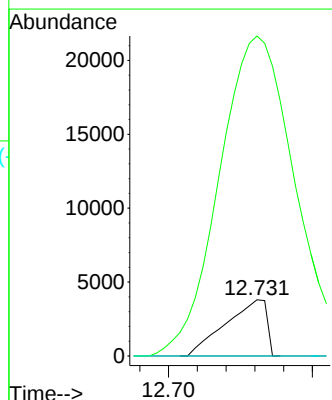
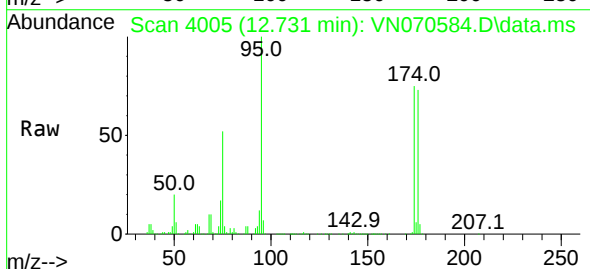
Instrument :
MSVOA_N
ClientSampleId :

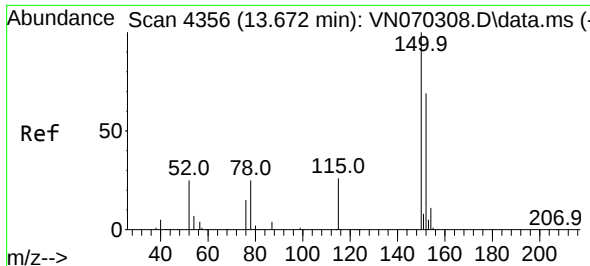
Tgt Ion:106 Resp: 4978
Ion Ratio Lower Upper
106 100
91 204.3 160.6 240.8



#71
Bromoform
Concen: 0.492 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Tgt Ion:173 Resp: 3776
Ion Ratio Lower Upper
173 100
175 958.3 24.2 72.6#
254 0.0 0.0 0.0

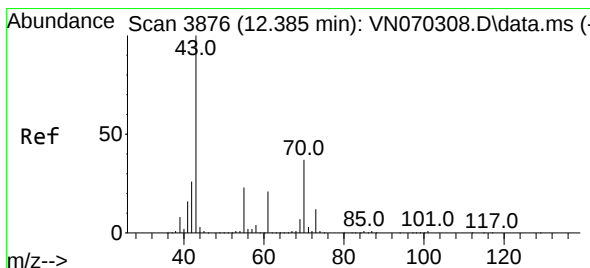
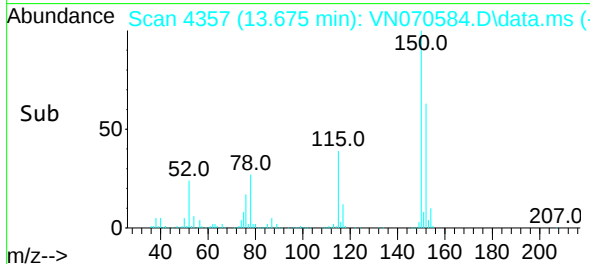
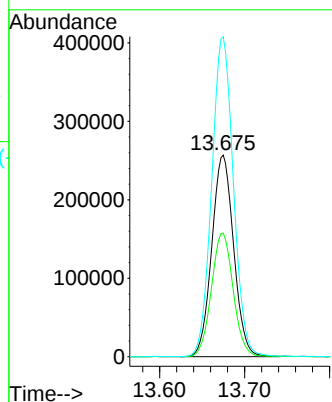
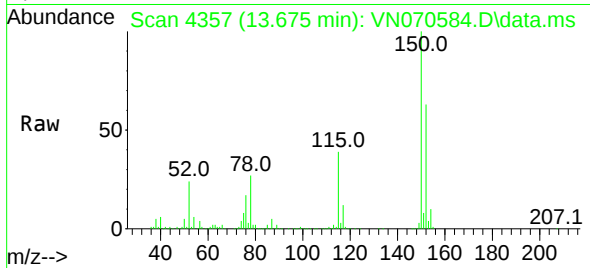




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

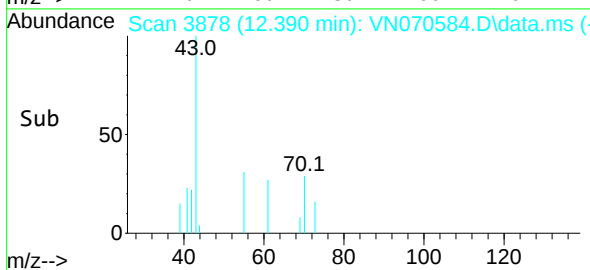
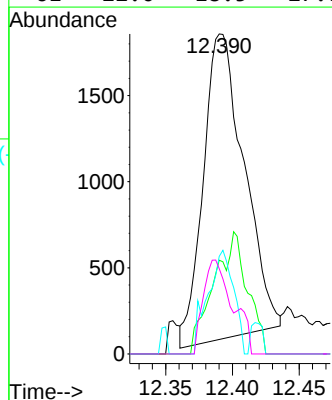
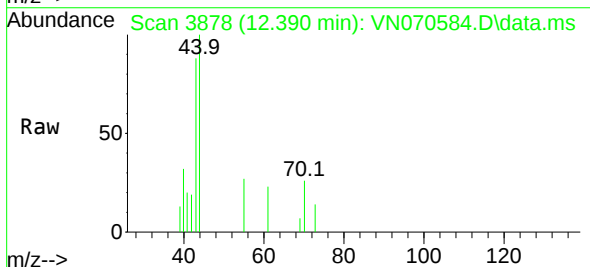
Instrument :
MSVOA_N
ClientSampleId :

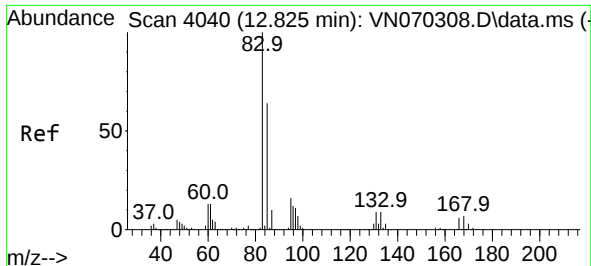
Tgt Ion:152 Resp: 459719
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 157.0 0.0 344.4



#74
N-ethyl acetate
Concen: 0.210 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.005 min
Lab File: VN070584.D
Acq: 12 Jan 2022 14:19

Tgt Ion: 43 Resp: 3770
Ion Ratio Lower Upper
43 100
70 33.1 33.4 50.0#
55 21.5 19.3 28.9
61 22.0 18.5 27.7

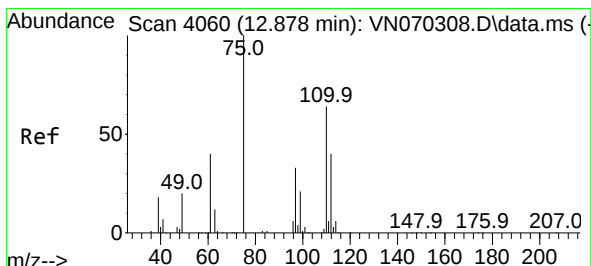
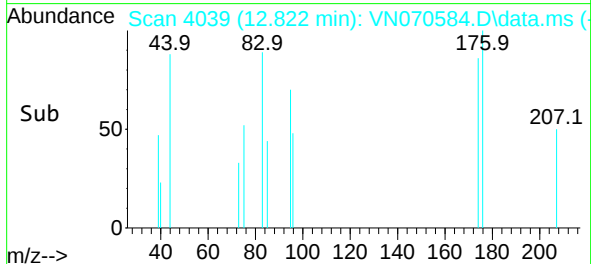
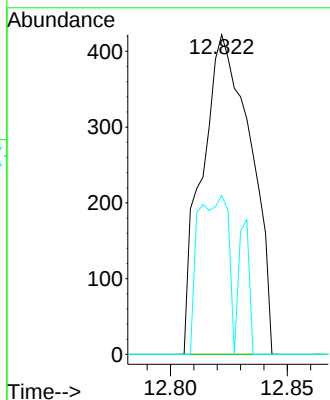
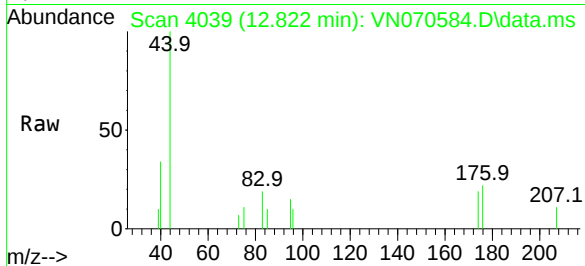




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.486 ug/l
 RT: 12.822 min Scan# 4039
 Delta R.T. -0.003 min
 Lab File: VN070584.D
 Acq: 12 Jan 2022 14:19

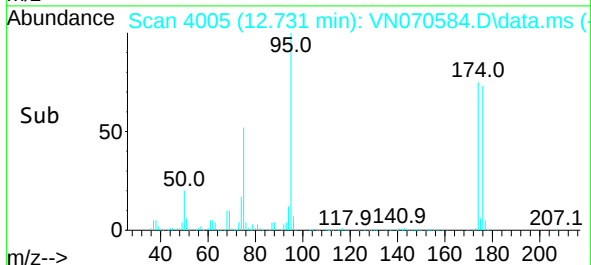
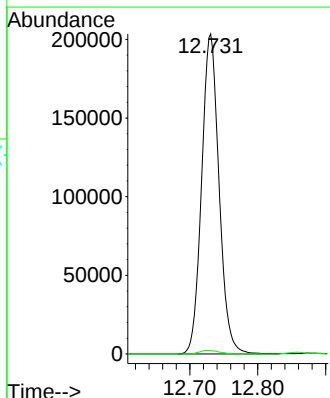
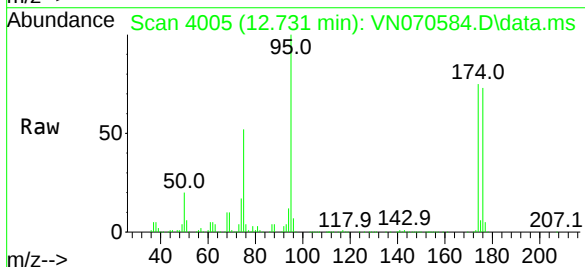
Instrument :
 MSVOA_N
 ClientSampleId :

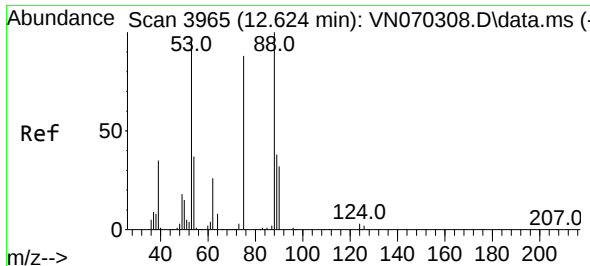
Tgt Ion: 83 Resp: 610
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 30.8 32.4 97.2#



#76
 1,2,3-Trichloropropane
 Concen: 27.893 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070584.D
 Acq: 12 Jan 2022 14:19

Tgt Ion: 75 Resp: 362216
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

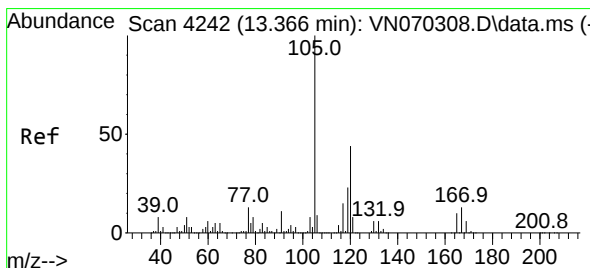
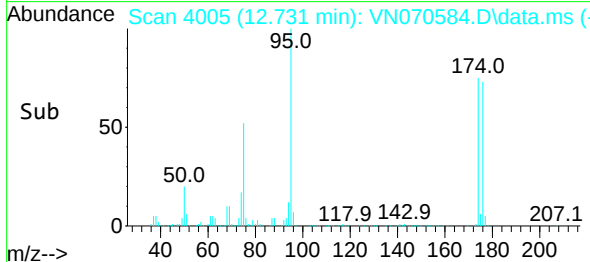
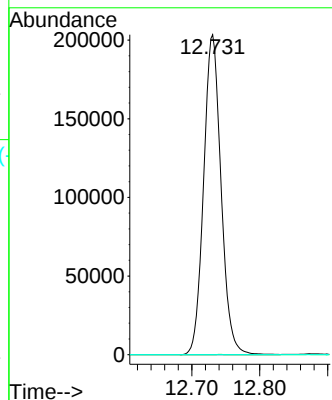
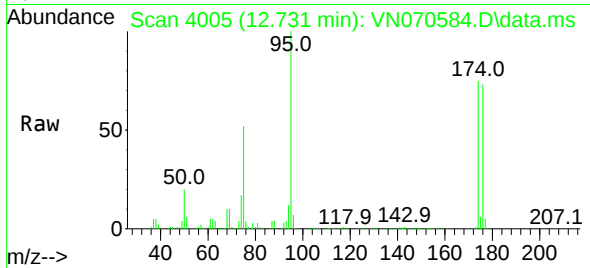




#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.264 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.107 min
 Lab File: VN070584.D
 Acq: 12 Jan 2022 14:19

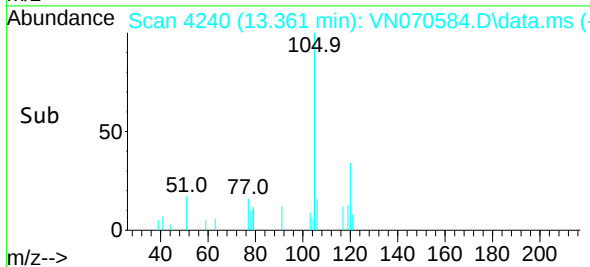
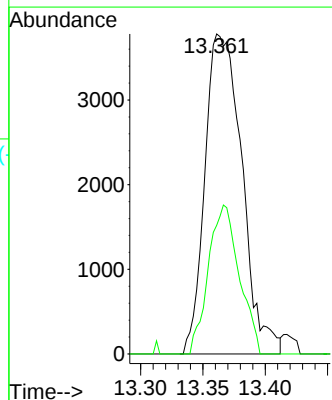
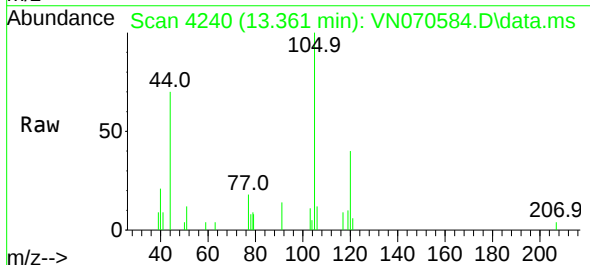
Instrument :
 MSVOA_N
 ClientSampleId :

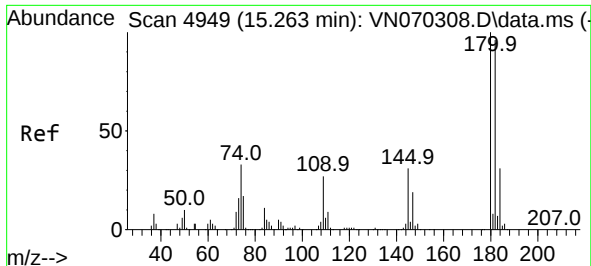
Tgt Ion: 75 Resp: 362216
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.237 ug/l
 RT: 13.361 min Scan# 4240
 Delta R.T. -0.005 min
 Lab File: VN070584.D
 Acq: 12 Jan 2022 14:19

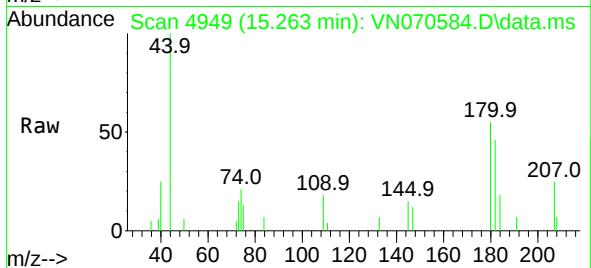
Tgt Ion: 105 Resp: 7817
 Ion Ratio Lower Upper
 105 100
 120 38.7 22.8 68.4



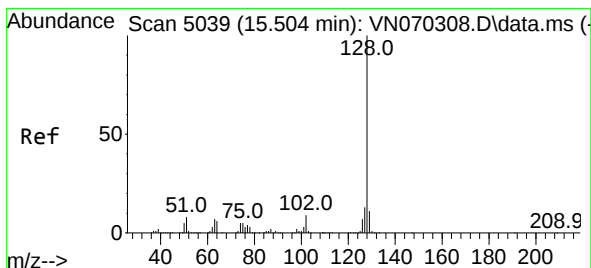
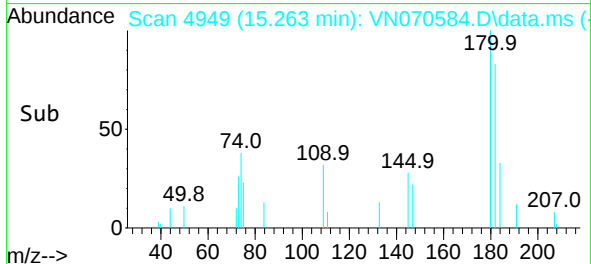
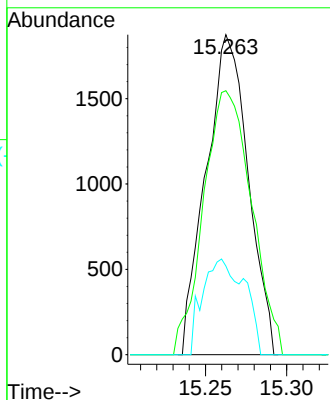


#93
 1,2,4-Trichlorobenzene
 Concen: 0.446 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.000 min
 Lab File: VN070584.D
 Acq: 12 Jan 2022 14:19

Instrument :
 MSVOA_N
 ClientSampleId :

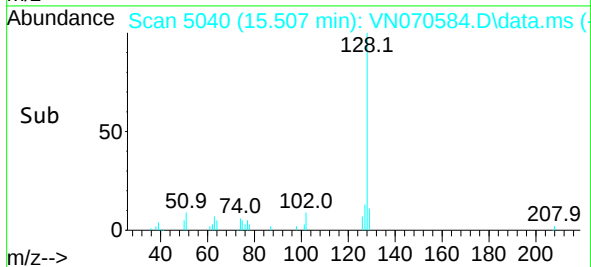
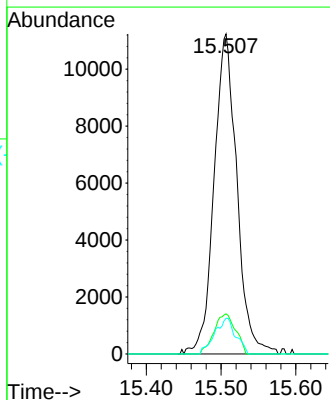
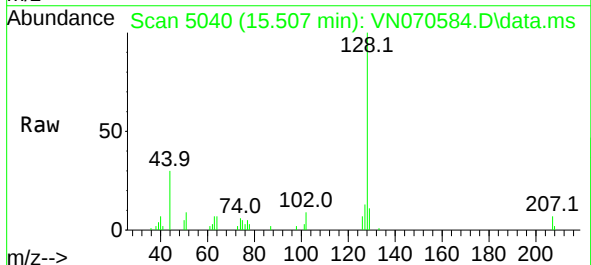


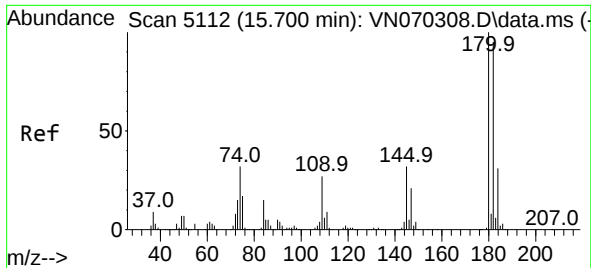
Tgt Ion:180 Resp: 3379
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.3 144.9
 145 29.8 14.5 43.5



#95
 Naphthalene
 Concen: 2.890 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. 0.003 min
 Lab File: VN070584.D
 Acq: 12 Jan 2022 14:19

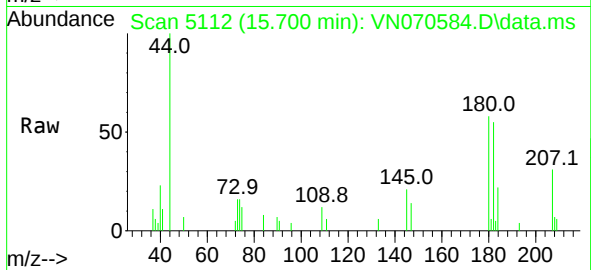
Tgt Ion:128 Resp: 23756
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.5 15.7
 129 10.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.383 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070584.D
 Acq: 12 Jan 2022 14:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	4107
Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.4	142.2
145	28.7	15.0	45.1

