

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070175.D
 Acq On : 17 Dec 2021 20:00
 Operator : JC/MD
 Sample : M5039-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 05:48:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

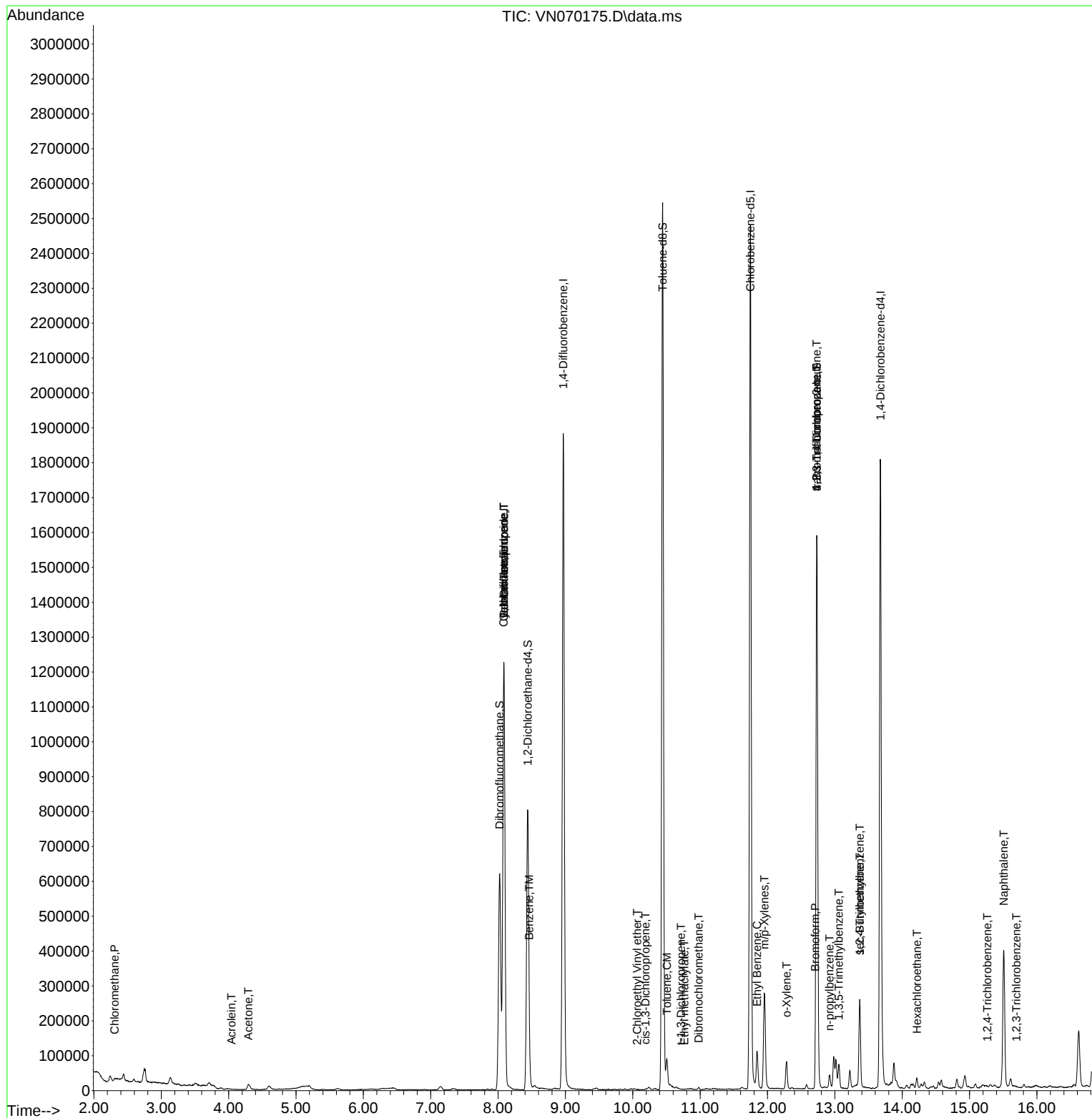
Internal Standards						
1) Pentafluorobenzene	8.086	168	918898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1551443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1366929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	474705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	703329	49.573	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.140%		
35) Dibromofluoromethane	8.024	113	454586	46.778	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.560%		
50) Toluene-d8	10.443	98	1732450	44.398	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	88.800%		
62) 4-Bromofluorobenzene	12.731	95	569345	40.275	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	80.560%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3312	0.247	ug/l #	84
13) Acrolein	4.041	56	693	0.303	ug/l #	14
16) Acetone	4.293	43	26606	3.117	ug/l	97
31) Cyclohexane	8.083	56	24452	1.238	ug/l #	34
36) 1,1-Dichloropropene	8.086	75	77783	5.267	ug/l #	49
38) Carbon Tetrachloride	8.088	117	93669	6.467	ug/l #	16
40) Benzene	8.461	78	17247	0.382	ug/l	95
52) Toluene	10.508	92	30913	1.122	ug/l	100
53) t-1,3-Dichloropropene	10.714	75	52	2.797	ug/l #	73
54) cis-1,3-Dichloropropene	10.188	75	251	2.011	ug/l #	59
56) Ethyl methacrylate	10.765	69	51	2.281	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.065	63	235	18.427	ug/l #	45
60) Dibromochloromethane	10.977	129	1102	2.464	ug/l #	11
67) Ethyl Benzene	11.846	91	76135	1.511	ug/l	98
68) m/p-Xylenes	11.956	106	86701	4.727	ug/l	90
69) o-Xylene	12.283	106	21416	1.159	ug/l	94
71) Bromoform	12.709	173	83	2.740	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	315673	23.188	ug/l #	1
78) n-propylbenzene	12.921	91	30025	0.639	ug/l	97
80) 1,3,5-Trimethylbenzene	13.061	105	31109	0.915	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.731	75	315673	73.789	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	144727	4.470	ug/l	96
85) sec-Butylbenzene	13.369	105	144727	3.545	ug/l #	56
90) Hexachloroethane	14.219	117	1769	0.316	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	815	2.977	ug/l #	39
95) Naphthalene	15.507	128	367504	18.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.694	180	496	2.498	ug/l #	73

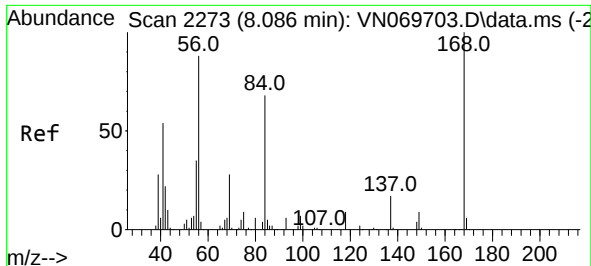
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070175.D
Acq On : 17 Dec 2021 20:00
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Sample : M5039-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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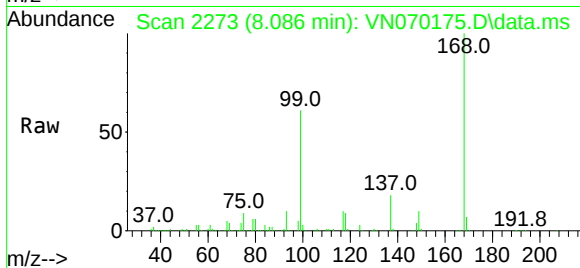
Quant Time: Dec 18 05:48:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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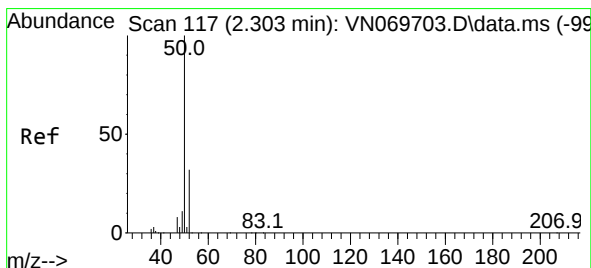
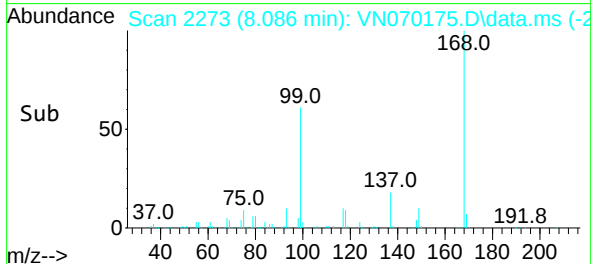
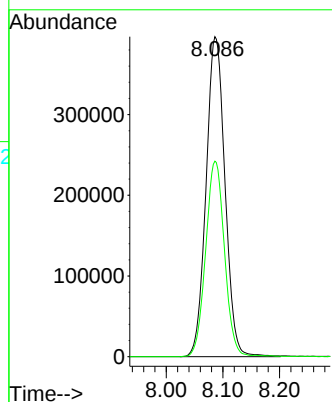


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Instrument :
MSVOA_N
ClientSampleId :

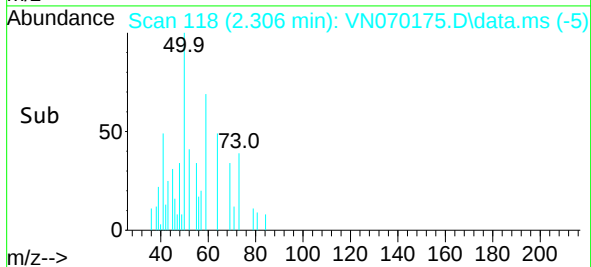
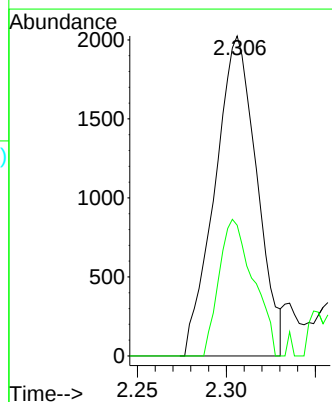
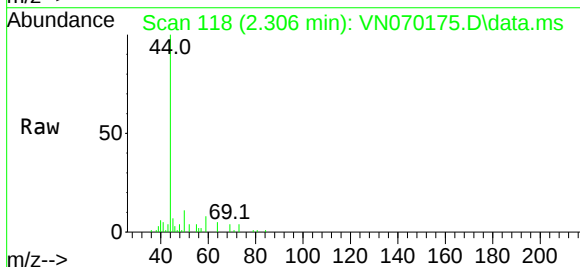


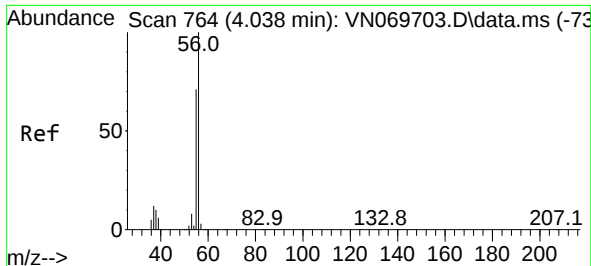
Tgt Ion:168 Resp: 918898
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

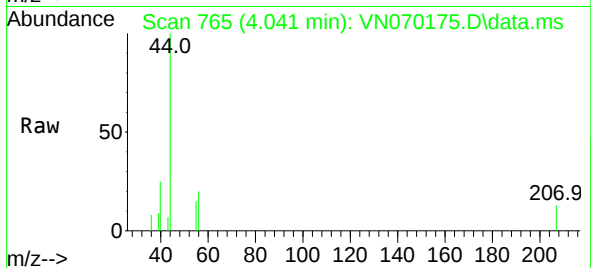
Tgt Ion: 50 Resp: 3312
Ion Ratio Lower Upper
50 100
52 40.8 25.4 38.0#



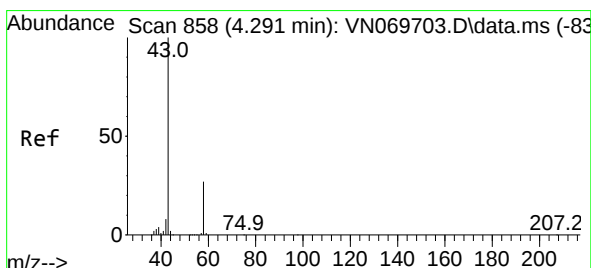
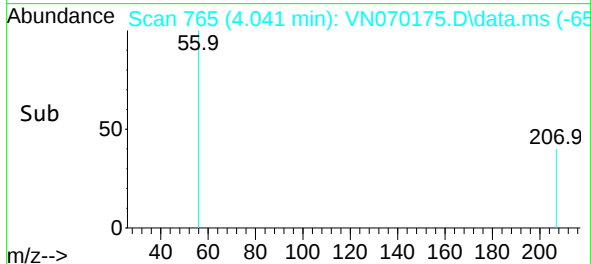
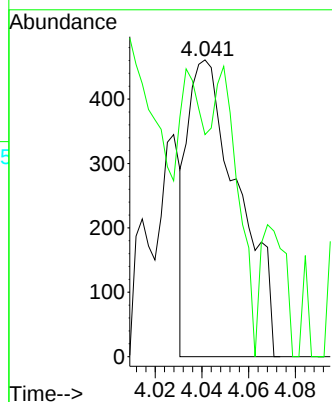


#13
Acrolein
Concen: 0.303 ug/l
RT: 4.041 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Instrument :
MSVOA_N
ClientSampleId :

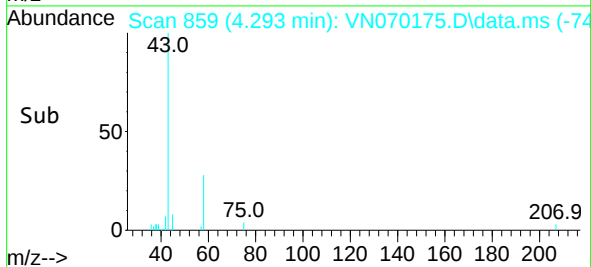
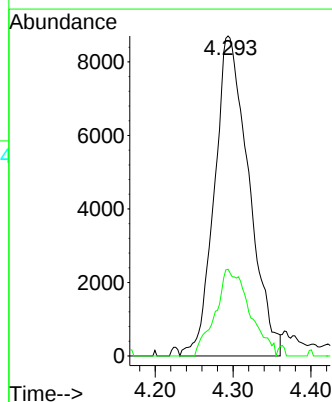
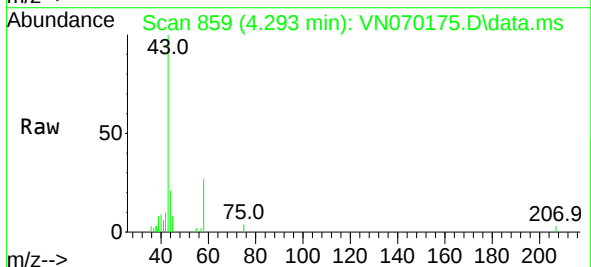


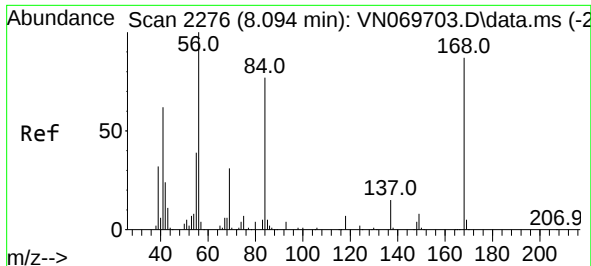
Tgt Ion: 56 Resp: 693
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 3.117 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

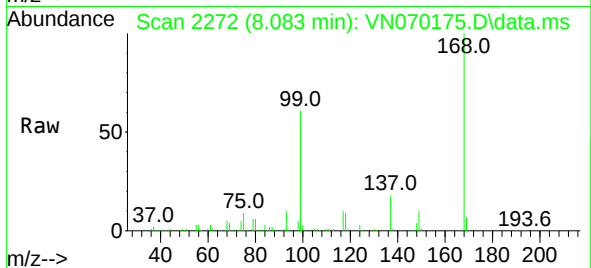
Tgt Ion: 43 Resp: 26606
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7



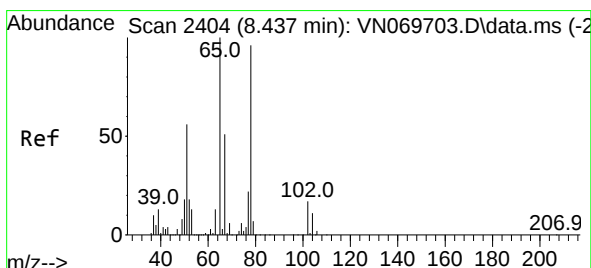
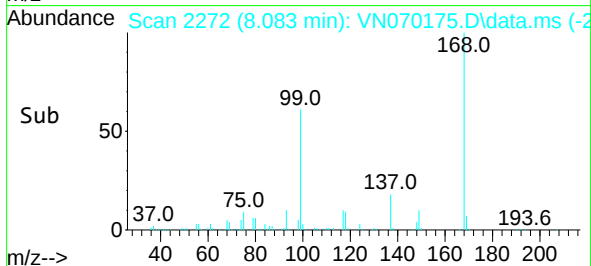
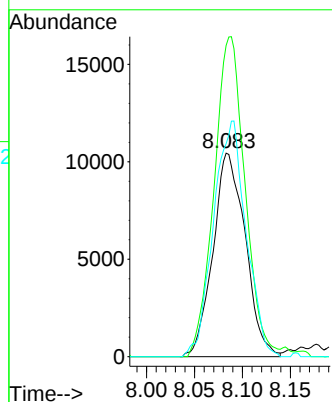


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Instrument :
MSVOA_N
ClientSampleId :

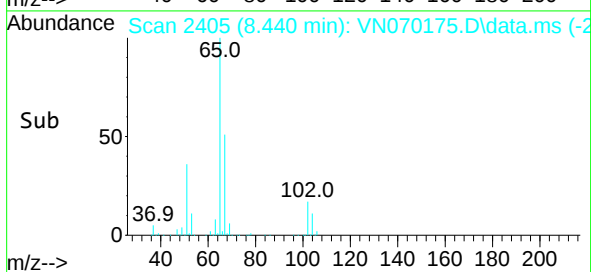
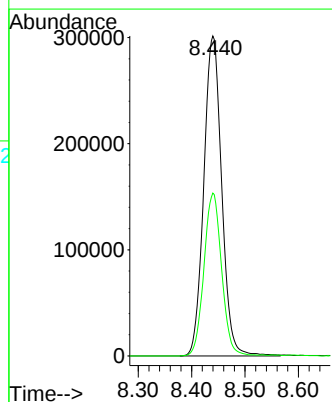
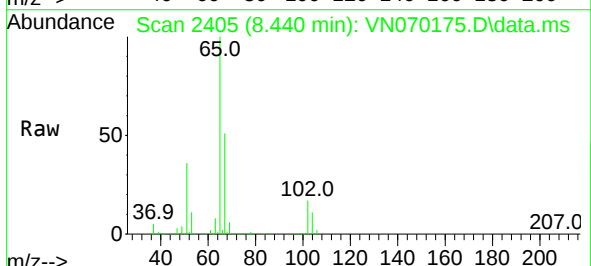


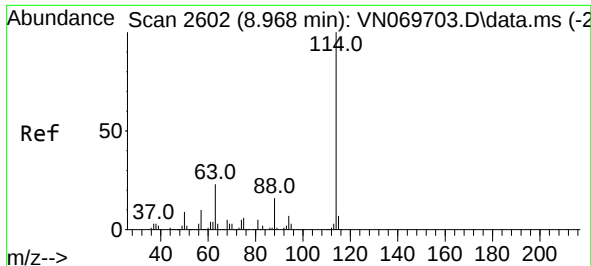
Tgt Ion: 56 Resp: 24452
Ion Ratio Lower Upper
56 100
69 152.9 27.1 40.7#
84 104.7 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 49.573 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

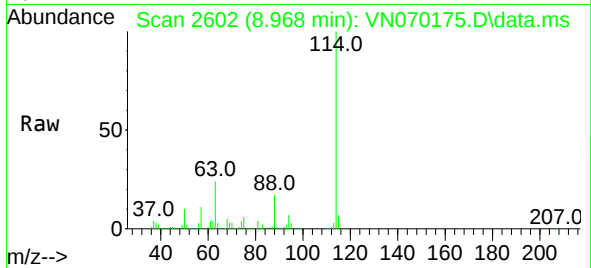
Tgt Ion: 65 Resp: 703329
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.0



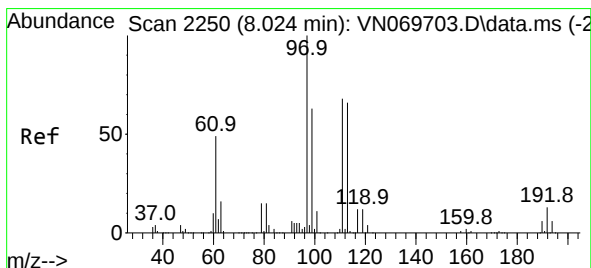
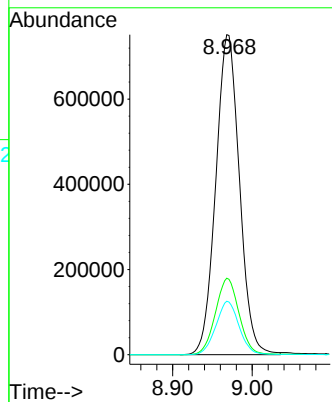
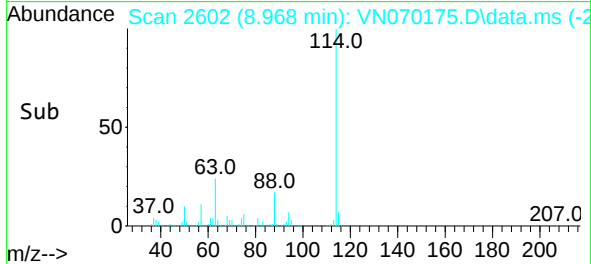


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Instrument :
 MSVOA_N
 ClientSampleId :

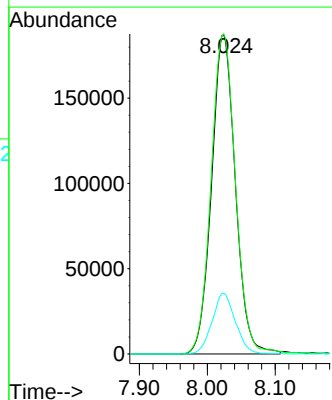
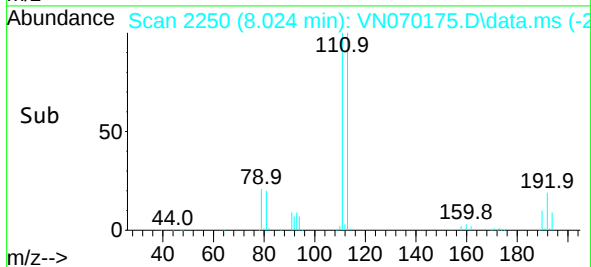
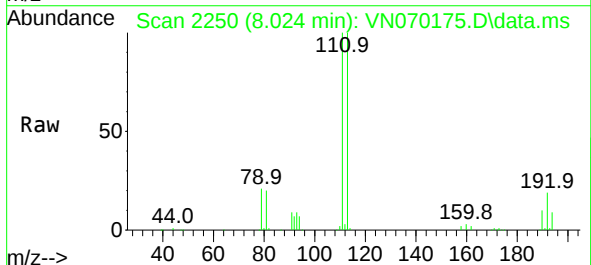


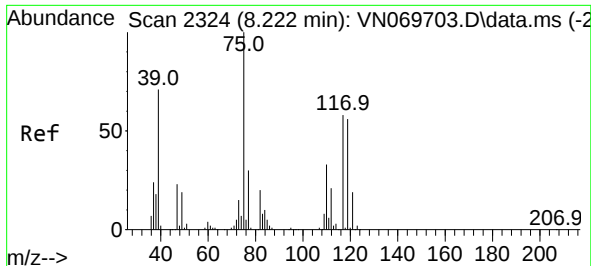
Tgt Ion:114 Resp: 1551443
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 37.8
 88 16.7 0.0 27.4



#35
 Dibromofluoromethane
 Concen: 46.778 ug/l
 RT: 8.024 min Scan# 2250
 Delta R.T. 0.000 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

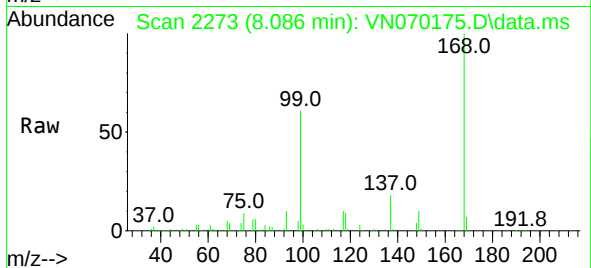
Tgt Ion:113 Resp: 454586
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.2
 192 18.7 16.9 25.3



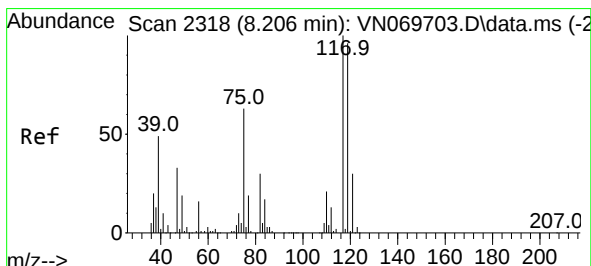
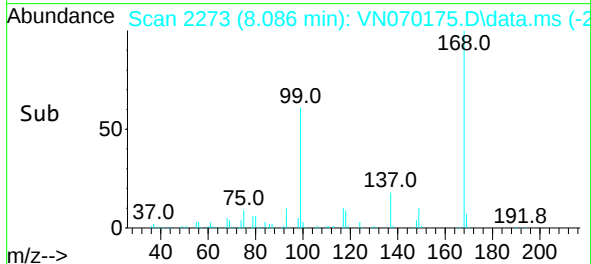
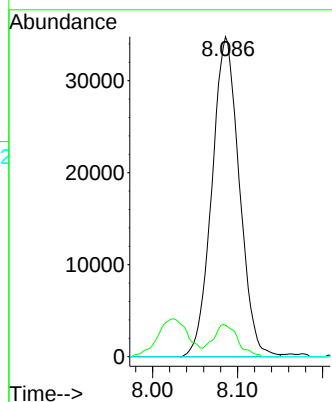


#36
 1,1-Dichloropropene
 Concen: 5.267 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Instrument :
 MSVOA_N
 ClientSampleId :

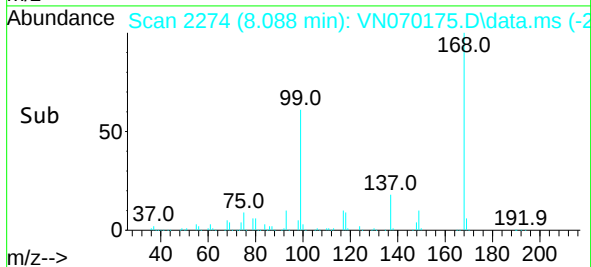
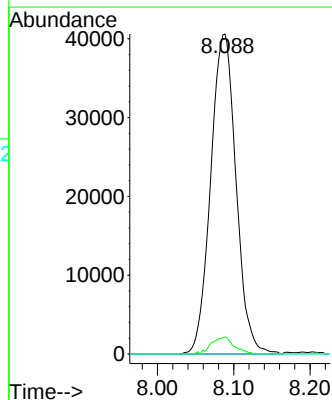
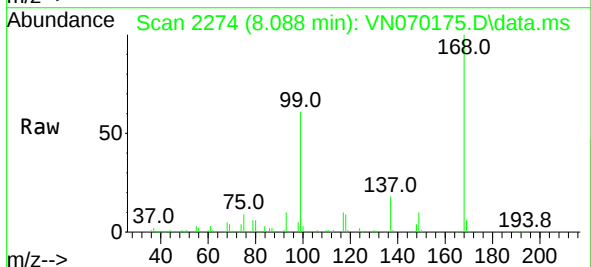


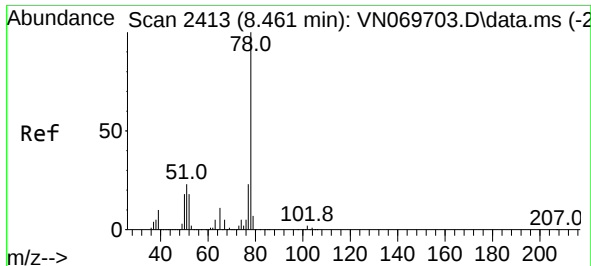
Tgt Ion: 75 Resp: 77783
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.467 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Tgt Ion: 117 Resp: 93669
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.1 114.1#
 121 0.0 24.2 36.2#

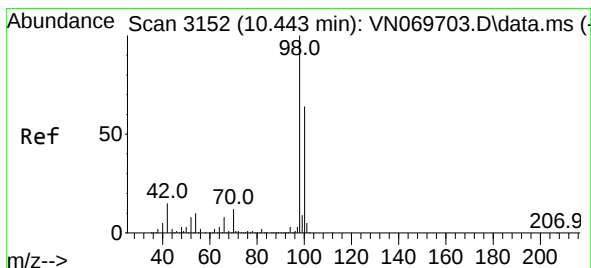
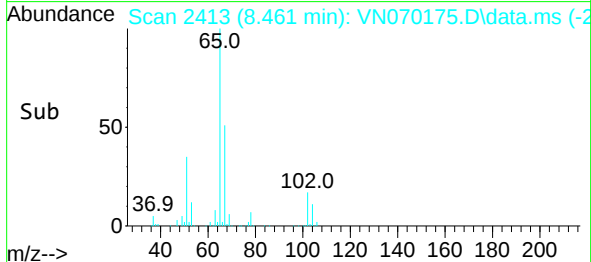
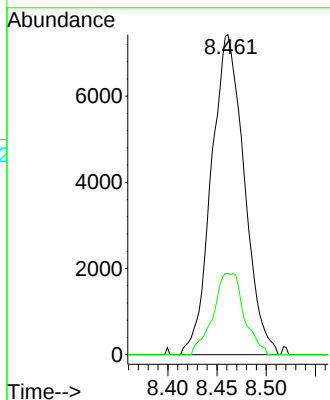
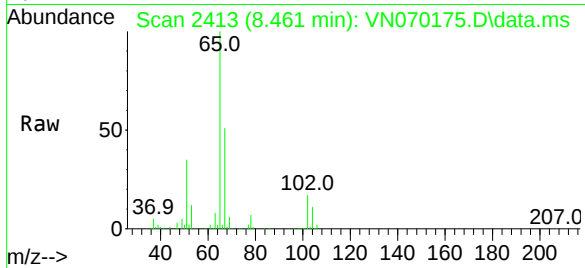




#40
Benzene
Concen: 0.382 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

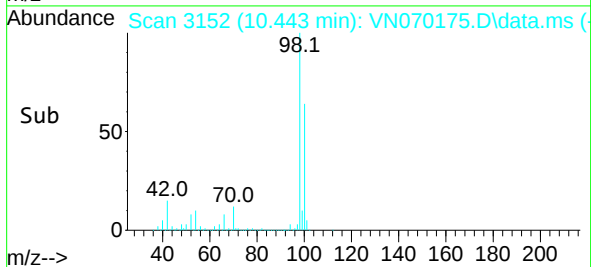
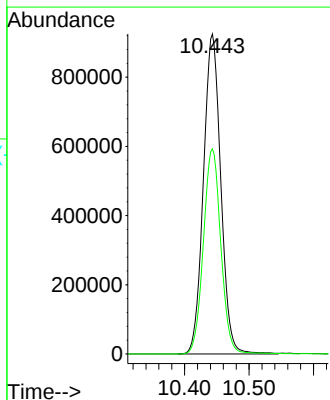
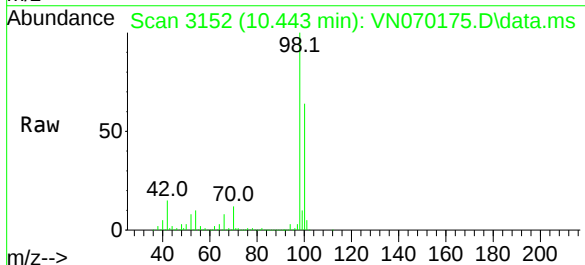
Instrument :
MSVOA_N
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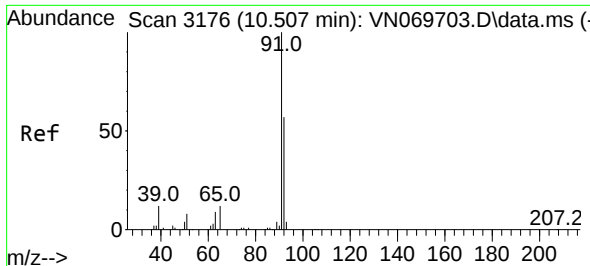
Tgt Ion: 78 Resp: 17247
Ion Ratio Lower Upper
78 100
77 25.4 18.6 27.8



#50
Toluene-d8
Concen: 44.398 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Tgt Ion: 98 Resp: 1732450
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6

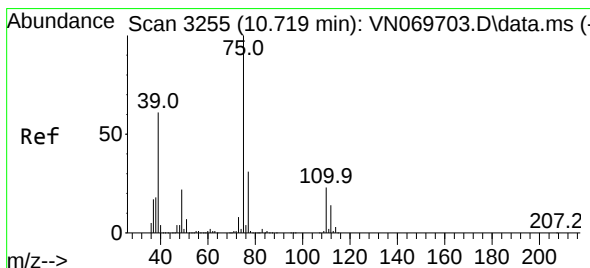
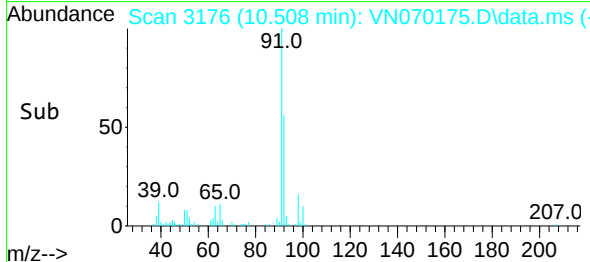
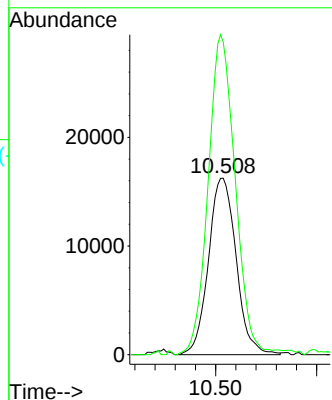
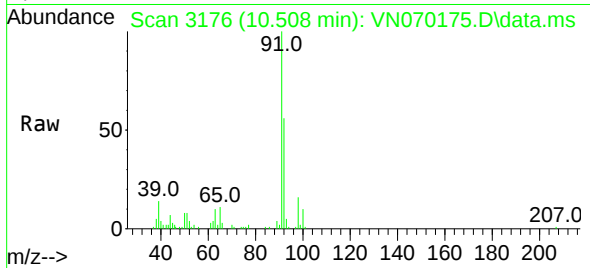




#52
Toluene
Concen: 1.122 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

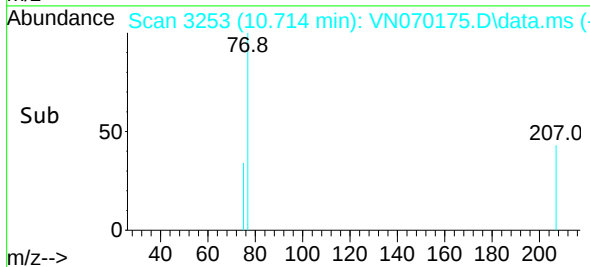
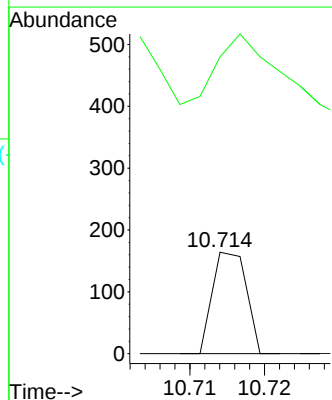
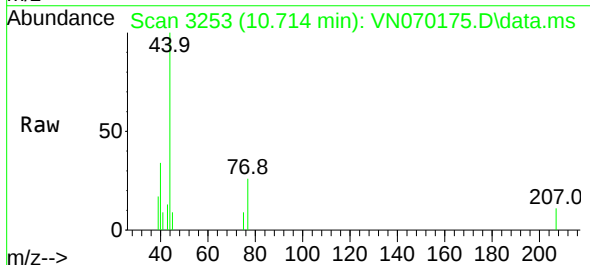
Instrument :
MSVOA_N
ClientSampleId :

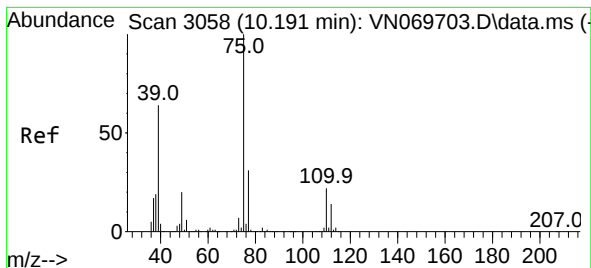
Tgt Ion: 92 Resp: 30913
Ion Ratio Lower Upper
92 100
91 176.9 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

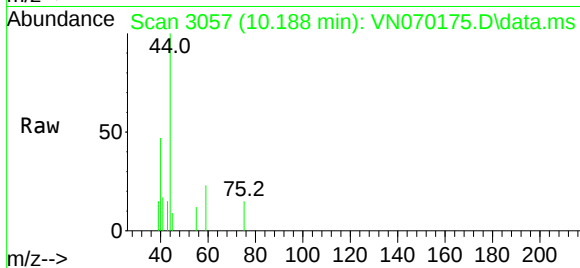
Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
77 47.0 25.6 38.4#



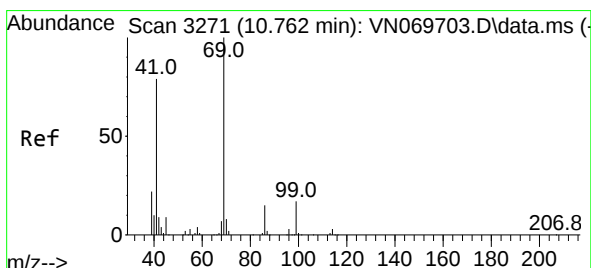
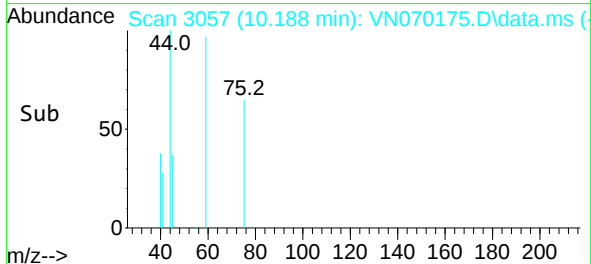
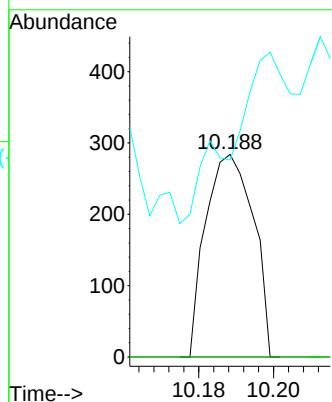


#54
 cis-1,3-Dichloropropene
 Concen: 2.011 ug/l
 RT: 10.188 min Scan# 3058
 Delta R.T. -0.003 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Instrument :
 MSVOA_N
 ClientSampleId :

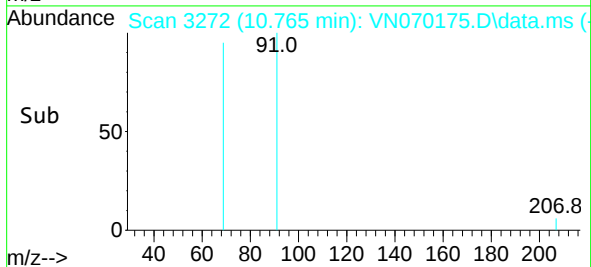
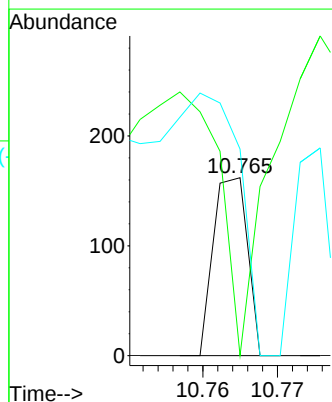
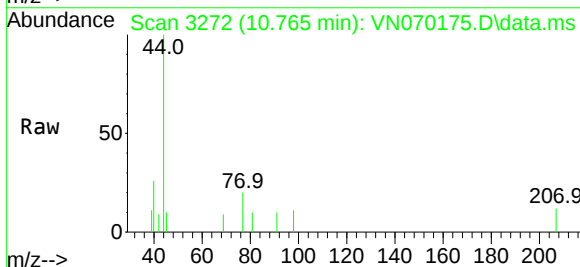


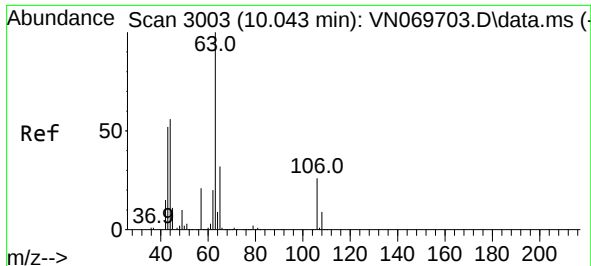
Tgt Ion: 75 Resp: 251
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 31.3 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.281 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Tgt Ion: 69 Resp: 51
 Ion Ratio Lower Upper
 69 100
 41 564.7 51.4 77.0#
 39 0.0 34.6 52.0#

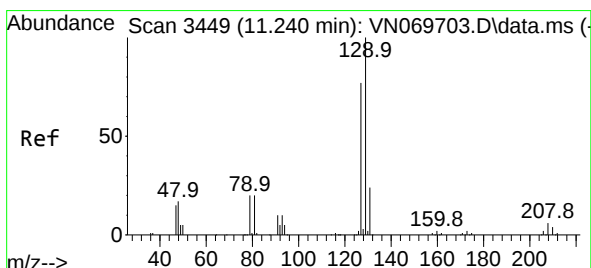
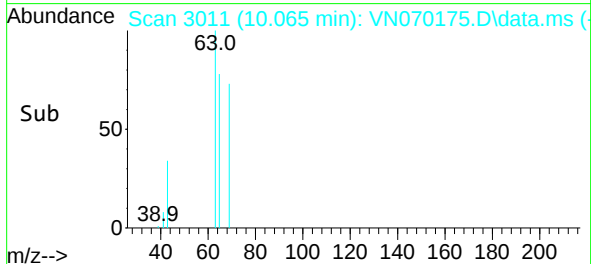
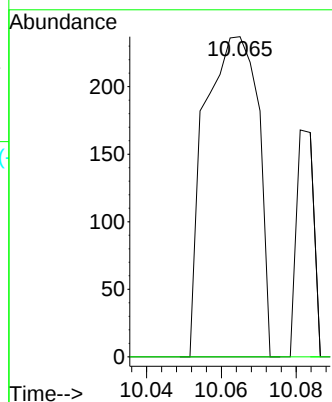
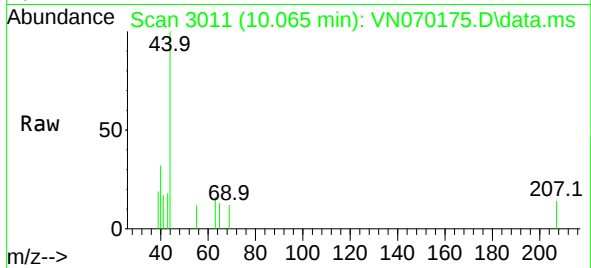




#58
2-Chloroethyl Vinyl ether
Concen: 18.427 ug/l
RT: 10.065 min Scan# 3003
Delta R.T. 0.022 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

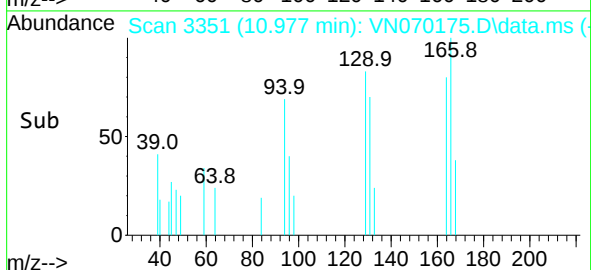
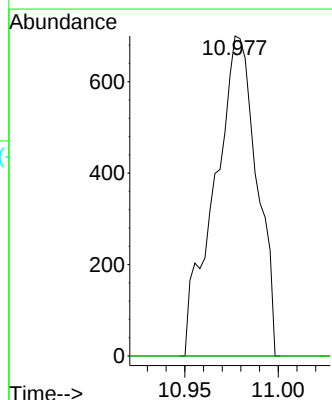
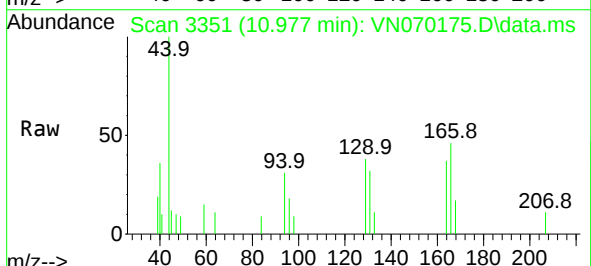
Instrument :
MSVOA_N
ClientSampleId :

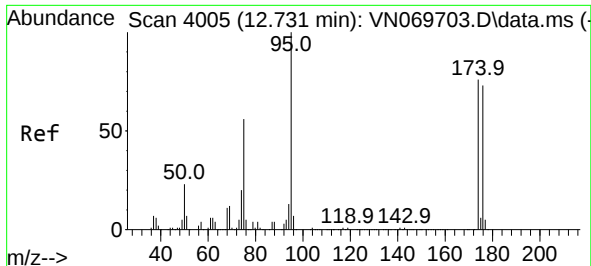
Tgt Ion: 63 Resp: 235
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.464 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Tgt Ion: 129 Resp: 1102
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

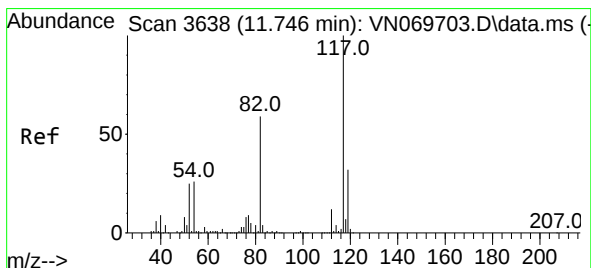
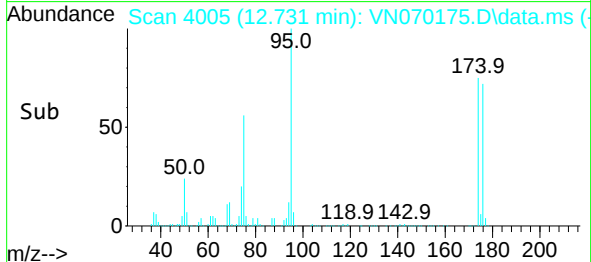
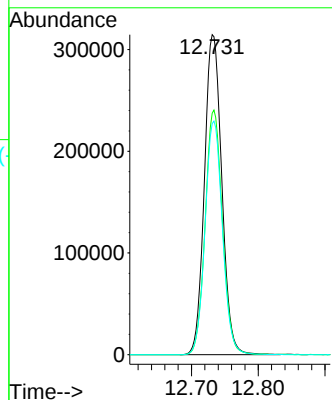
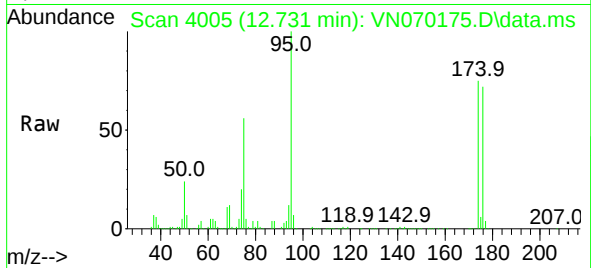




#62
4-Bromofluorobenzene
Concen: 40.275 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

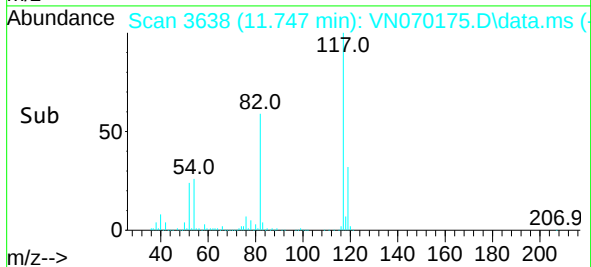
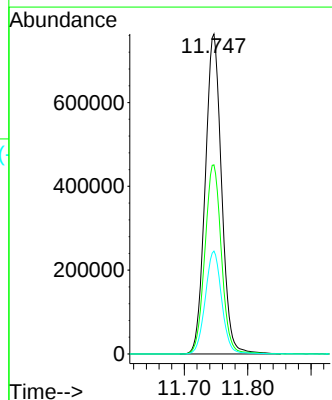
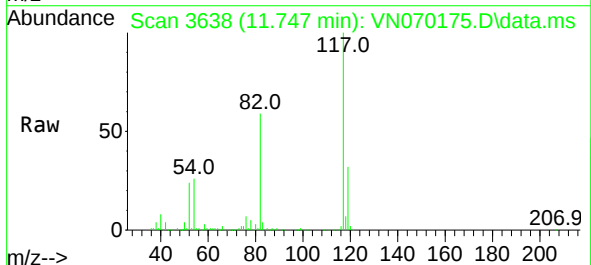
Instrument :
MSVOA_N
ClientSampleId :

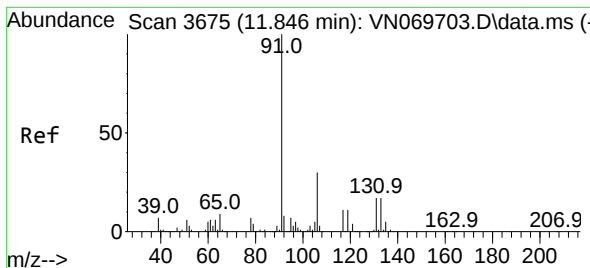
Tgt Ion: 95 Resp: 569345
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 72.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Tgt Ion: 117 Resp: 1366929
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.1 25.4 38.2





#67

Ethyl Benzene

Concen: 1.511 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070175.D

Acq: 17 Dec 2021 20:00

Instrument :

MSVOA_N

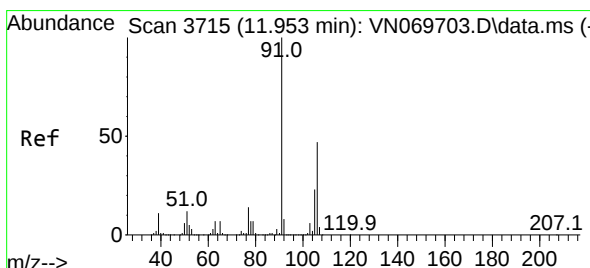
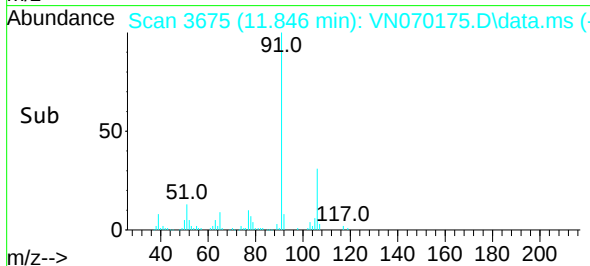
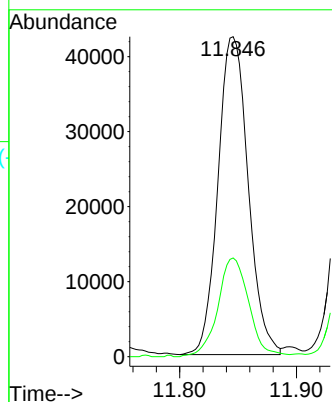
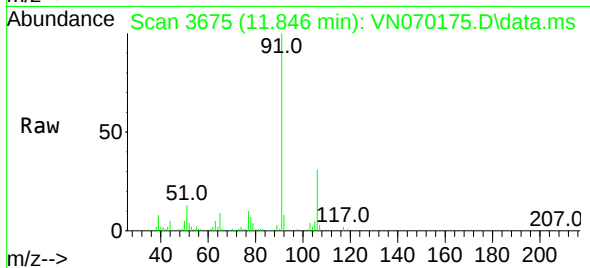
ClientSampleId :

Tgt Ion: 91 Resp: 76135

Ion Ratio Lower Upper

91 100

106 31.1 25.7 38.5



#68

m/p-Xylenes

Concen: 4.727 ug/l

RT: 11.956 min Scan# 3716

Delta R.T. 0.003 min

Lab File: VN070175.D

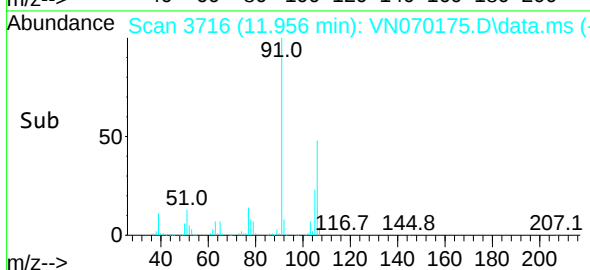
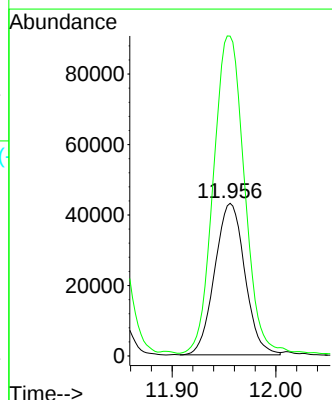
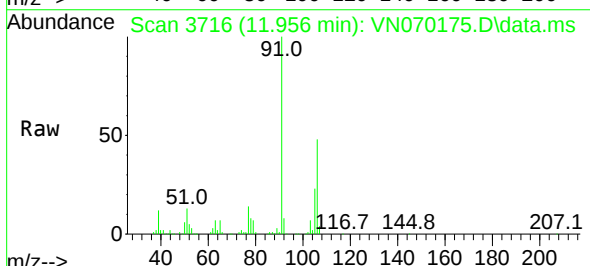
Acq: 17 Dec 2021 20:00

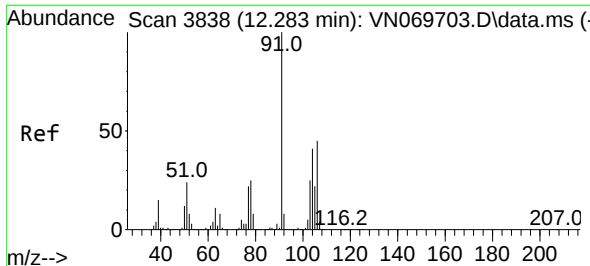
Tgt Ion: 106 Resp: 86701

Ion Ratio Lower Upper

106 100

91 216.3 160.6 240.8

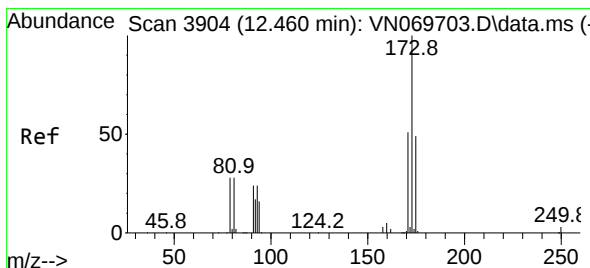
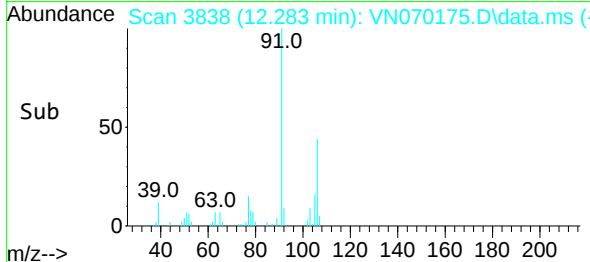
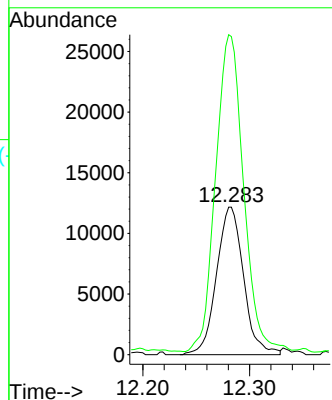
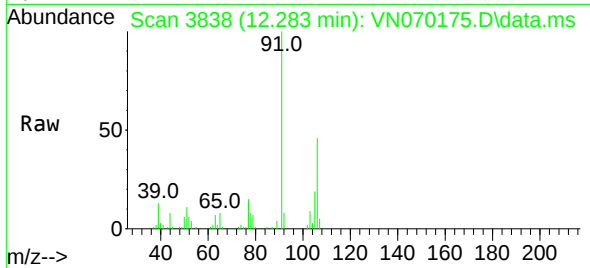




#69
o-Xylene
Concen: 1.159 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

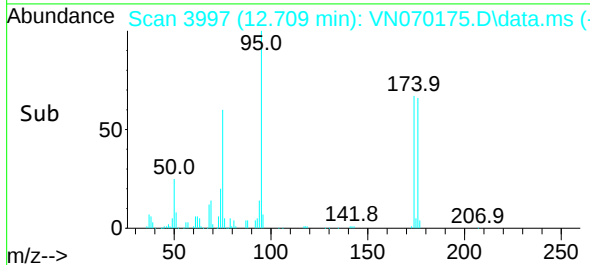
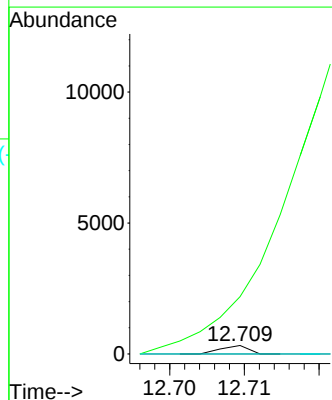
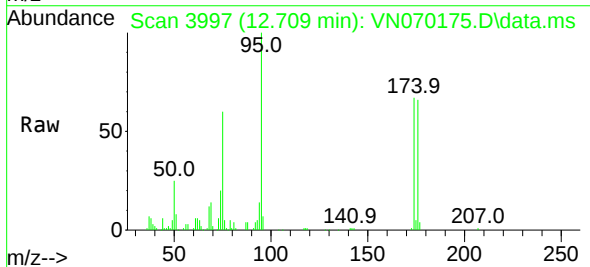
Instrument :
MSVOA_N
ClientSampleId :

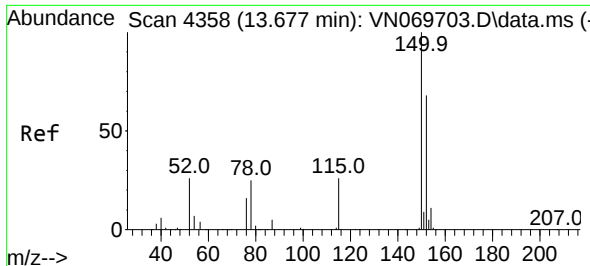
Tgt Ion:106 Resp: 21416
Ion Ratio Lower Upper
106 100
91 221.2 105.8 317.3



#71
Bromoform
Concen: 2.740 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

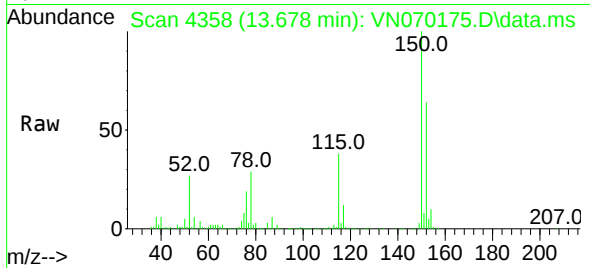
Tgt Ion:173 Resp: 83
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



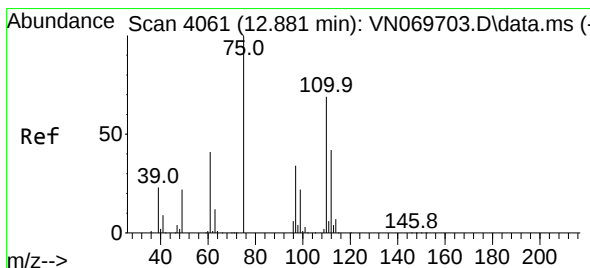
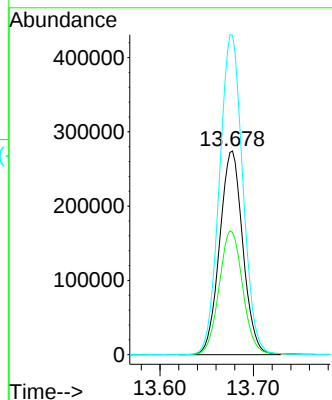
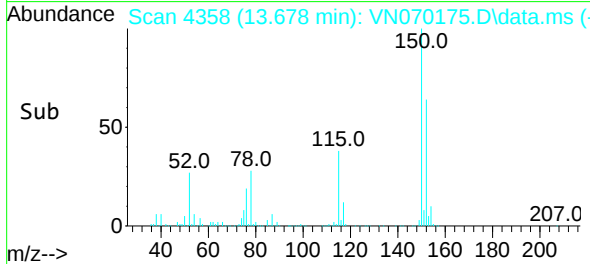


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Instrument :
 MSVOA_N
 ClientSampleId :

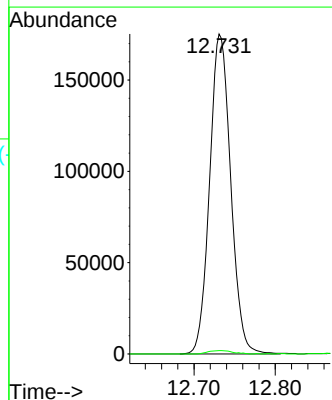
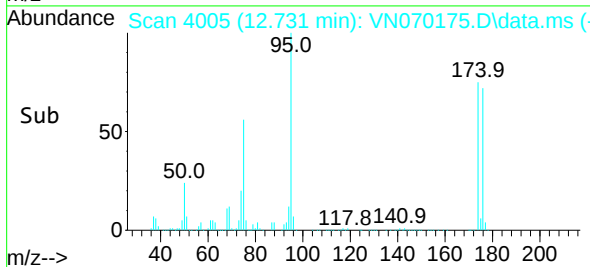
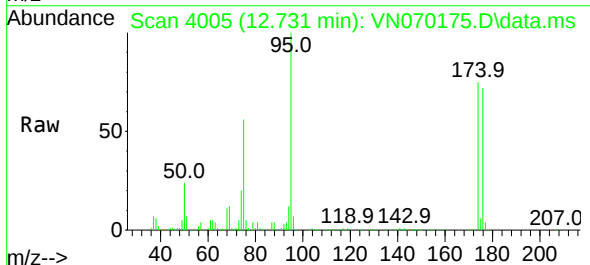


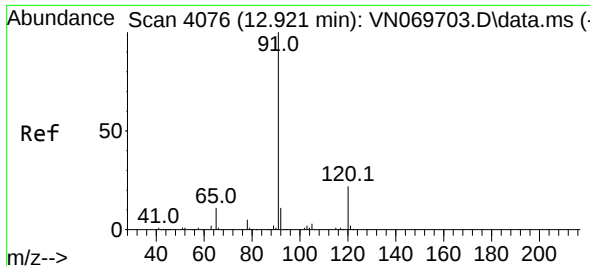
Tgt Ion:152 Resp: 474705
 Ion Ratio Lower Upper
 152 100
 115 61.9 27.5 82.5
 150 158.1 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.188 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Tgt Ion: 75 Resp: 315673
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

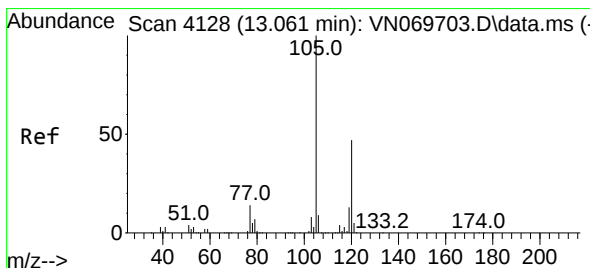
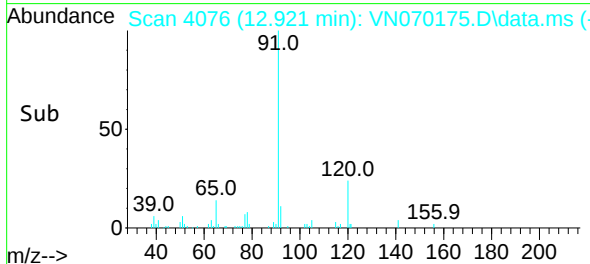
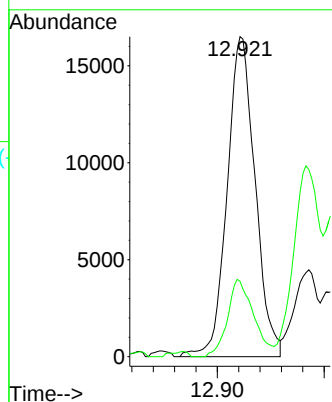
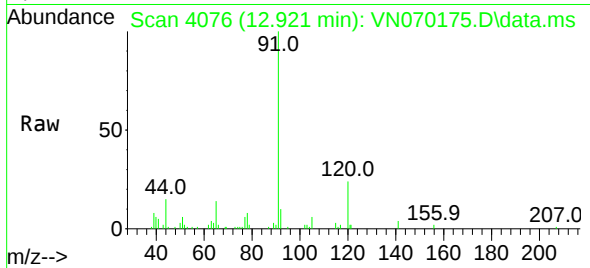




#78
n-propylbenzene
Concen: 0.639 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

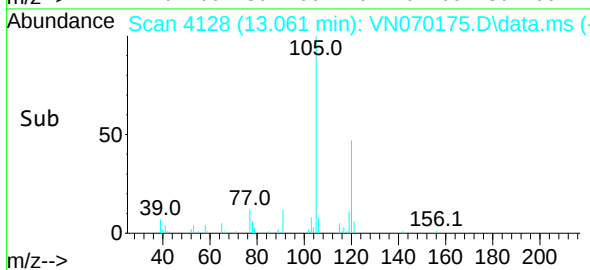
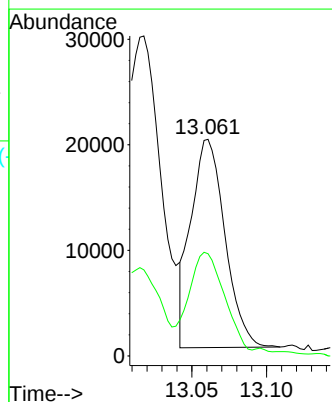
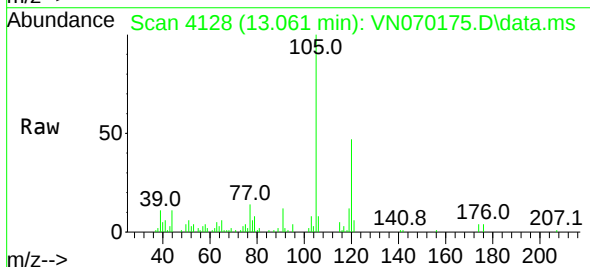
Instrument :
MSVOA_N
ClientSampleId :

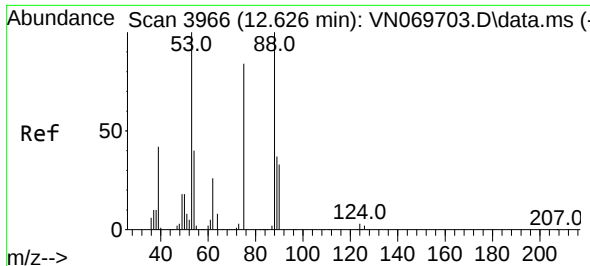
Tgt Ion: 91 Resp: 30025
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.915 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

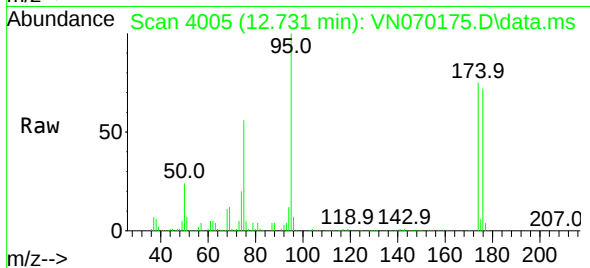
Tgt Ion: 105 Resp: 31109
Ion Ratio Lower Upper
105 100
120 47.7 24.6 73.6



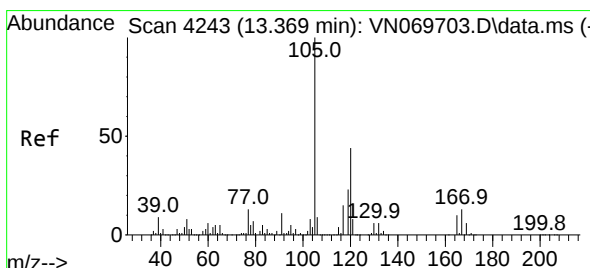
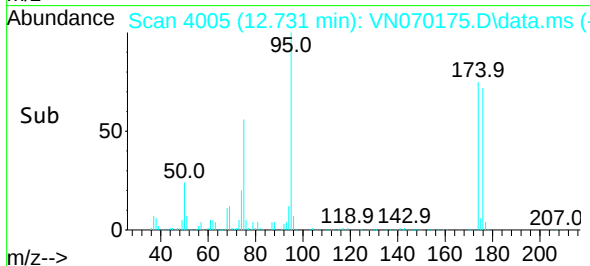
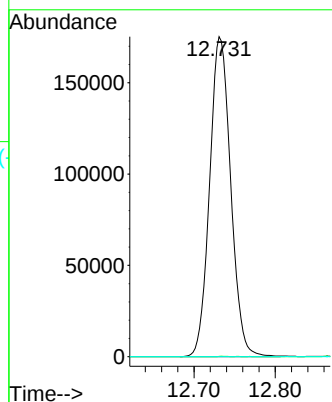


#81
trans-1,4-Dichloro-2-butene
Concen: 73.789 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Instrument :
MSVOA_N
ClientSampleId :

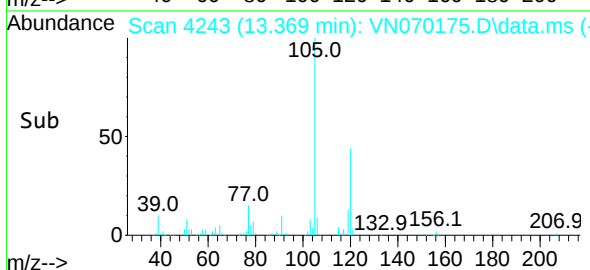
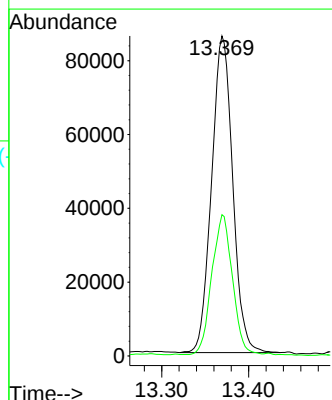
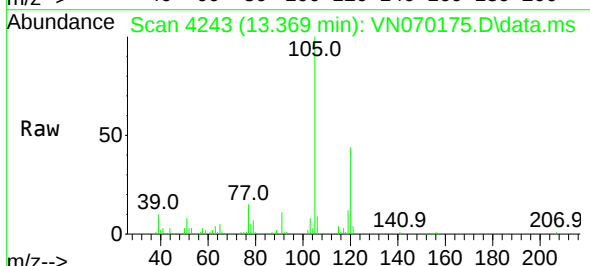


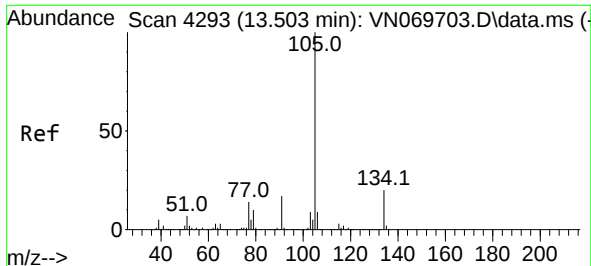
Tgt Ion: 75 Resp: 315673
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 4.470 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

Tgt Ion: 105 Resp: 144727
Ion Ratio Lower Upper
105 100
120 43.0 22.8 68.4

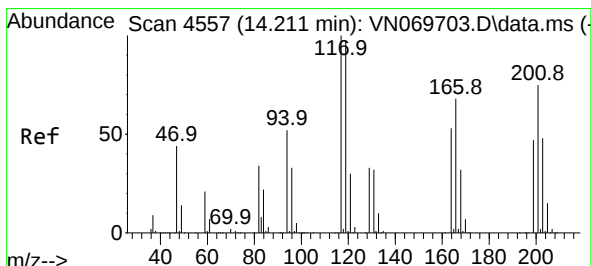
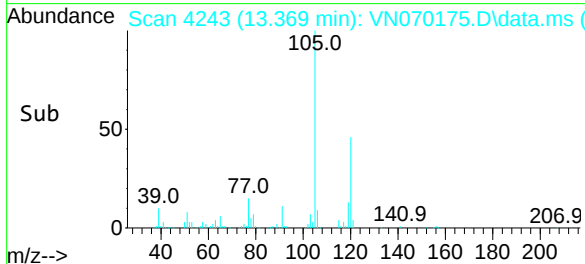
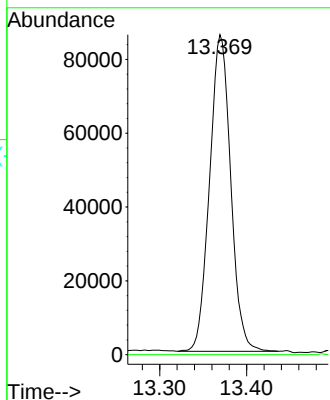
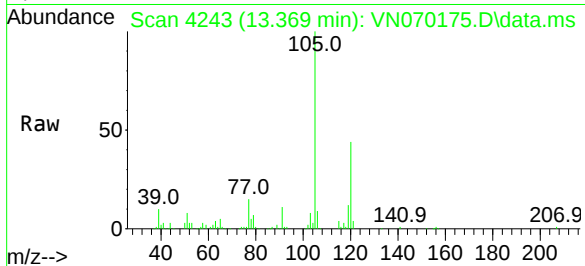




#85
 sec-Butylbenzene
 Concen: 3.545 ug/l
 RT: 13.369 min Scan# 41
 Delta R.T. -0.134 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

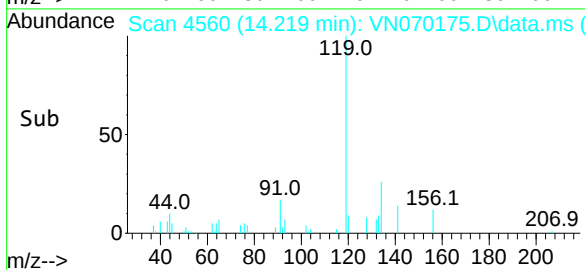
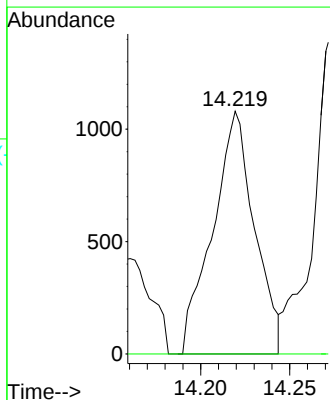
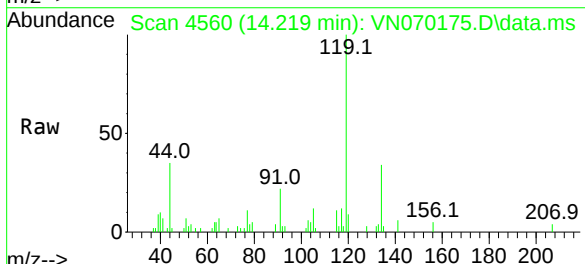
Instrument :
 MSVOA_N
 ClientSampleId :

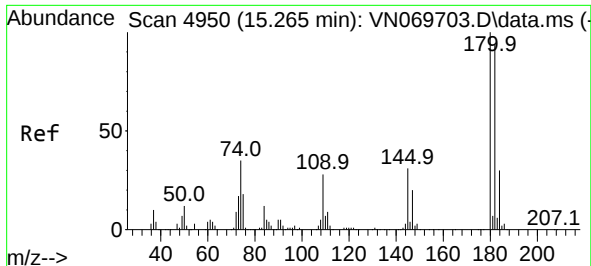
Tgt Ion:105 Resp: 144727
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.316 ug/l
 RT: 14.219 min Scan# 4560
 Delta R.T. 0.008 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

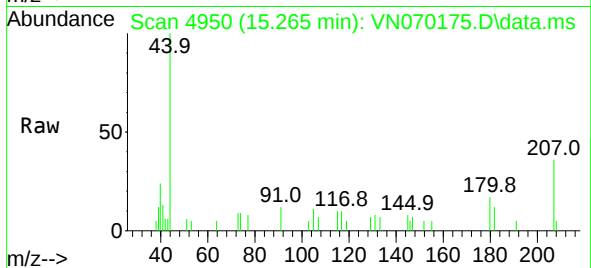
Tgt Ion:117 Resp: 1769
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.9 131.6#



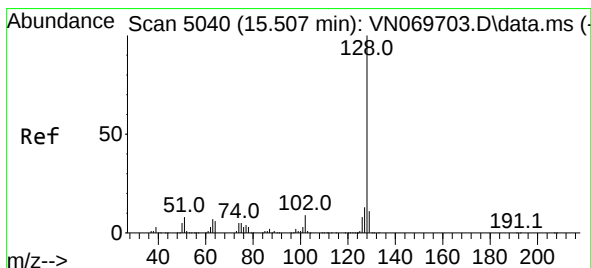
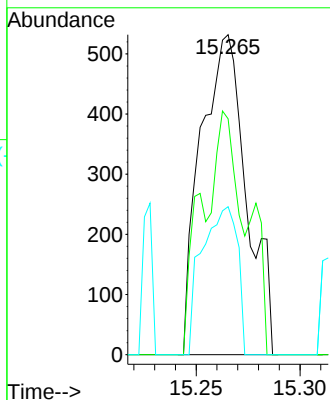
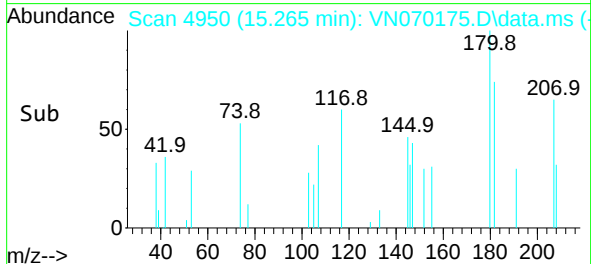


#93
1,2,4-Trichlorobenzene
Concen: 2.977 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00

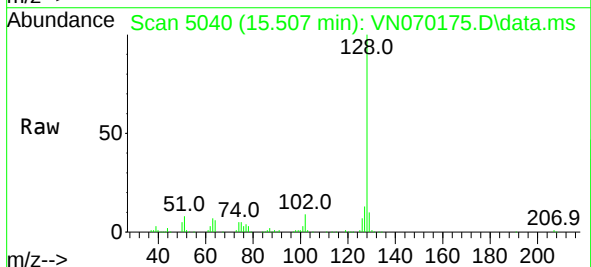
Instrument :
MSVOA_N
ClientSampleId :



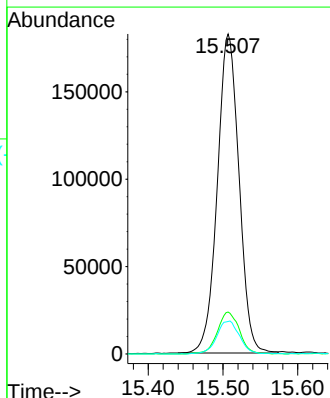
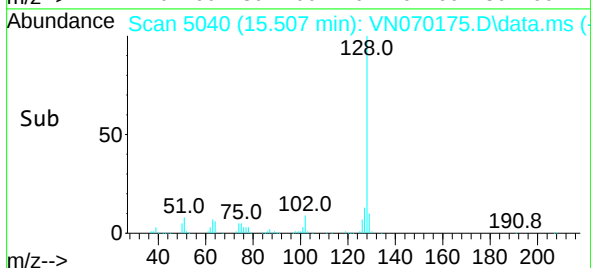
Tgt Ion:180 Resp: 815
Ion Ratio Lower Upper
180 100
182 22.3 48.3 144.9#
145 36.0 14.5 43.5

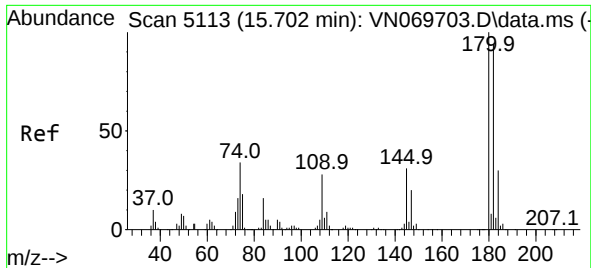


#95
Naphthalene
Concen: 18.564 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070175.D
Acq: 17 Dec 2021 20:00



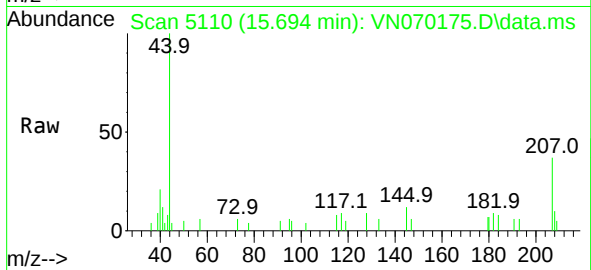
Tgt Ion:128 Resp: 367504
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.498 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN070175.D
 Acq: 17 Dec 2021 20:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 496
 Ion Ratio Lower Upper
 180 100
 182 102.0 47.4 142.2
 145 77.2 15.0 45.1#

