

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069779.D
 Acq On : 6 Dec 2021 12:33
 Operator : JC/MD
 Sample : VN1206WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBL01

Quant Time: Dec 06 15:12:19 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	1339854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2357243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2472664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	897727	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1011399	48.890	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.780%
35) Dibromofluoromethane	8.024	113	712104	48.228	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.460%
50) Toluene-d8	10.443	98	3045128	51.362	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.720%
62) 4-Bromofluorobenzene	12.733	95	1116946	52.003	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.000%

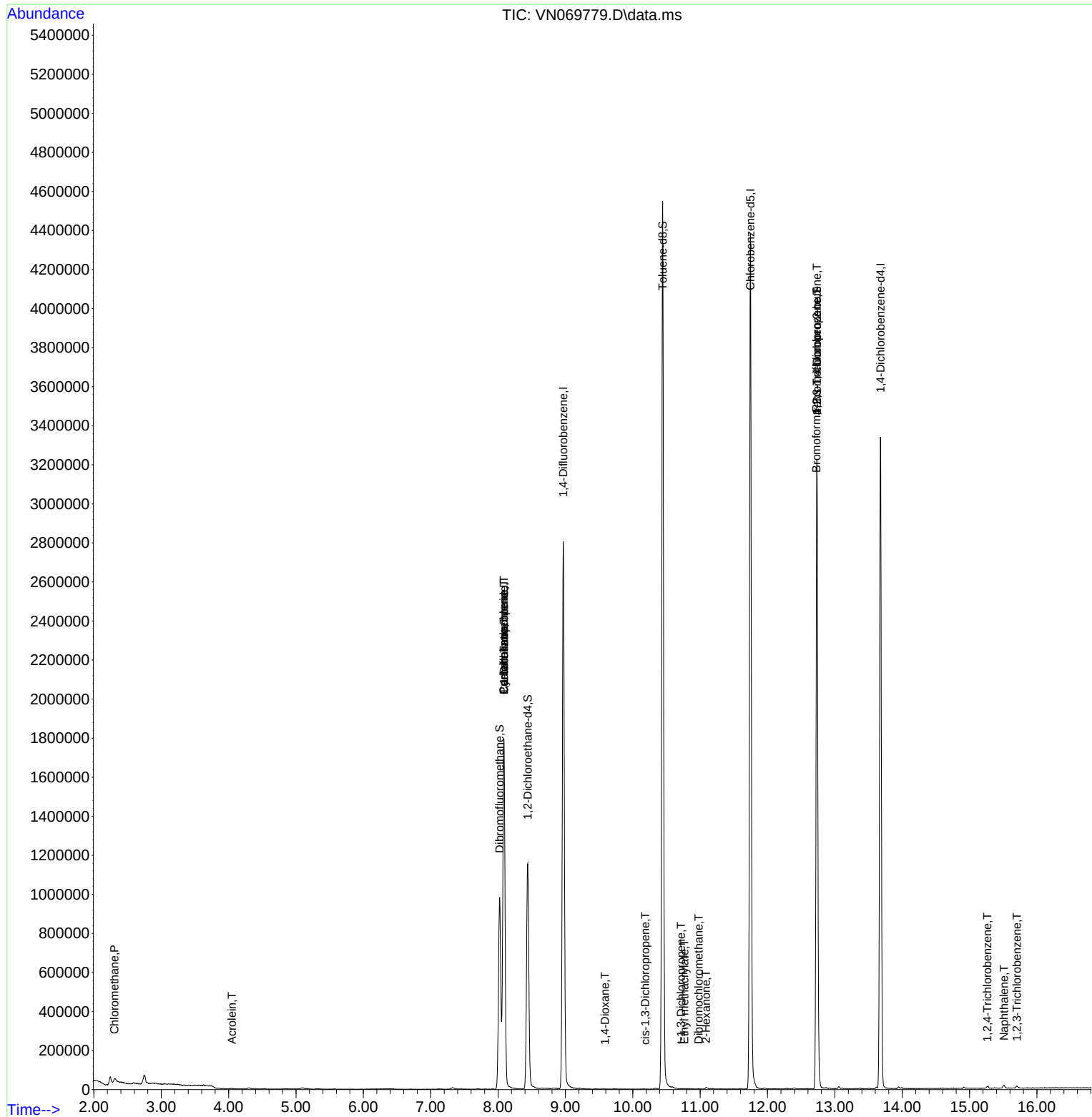
Target Compounds			Qvalue			
3) Chloromethane	2.303	50	4928	0.252	ug/l	100
13) Acrolein	4.046	56	1620	0.486	ug/l #	42
31) Cyclohexane	8.086	56	34582	1.201	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	112438	5.011	ug/l #	50
38) Carbon Tetrachloride	8.086	117	137487	6.248	ug/l #	16
49) 1,4-Dioxane	9.587	88	143	0.346	ug/l #	1
53) t-1,3-Dichloropropene	10.717	75	348	2.806	ug/l #	66
54) cis-1,3-Dichloropropene	10.185	75	27	2.000	ug/l #	32
56) Ethyl methacrylate	10.767	69	642	2.298	ug/l #	62
59) 2-Hexanone	11.087	43	7303	0.301	ug/l	86
60) Dibromochloromethane	10.977	129	314	2.393	ug/l #	11
71) Bromoform	12.728	173	1882	2.849	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	630046	24.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	630046	77.652	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	2104	3.013	ug/l #	41
95) Naphthalene	15.509	128	14676	4.293	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.702	180	3837	2.690	ug/l	90

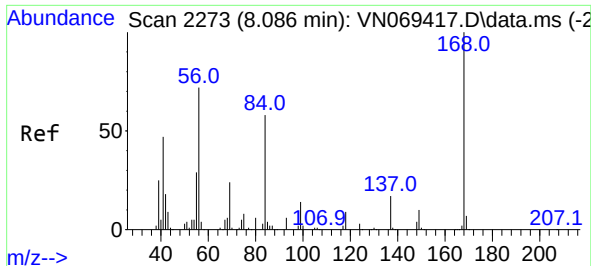
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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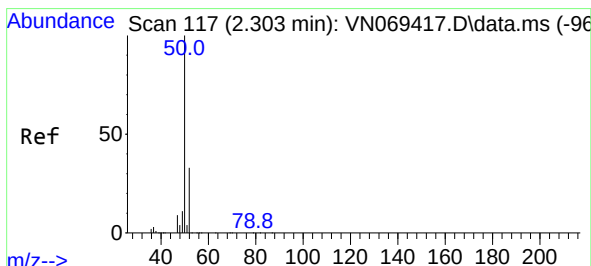
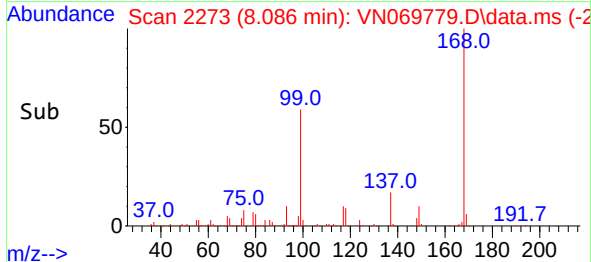
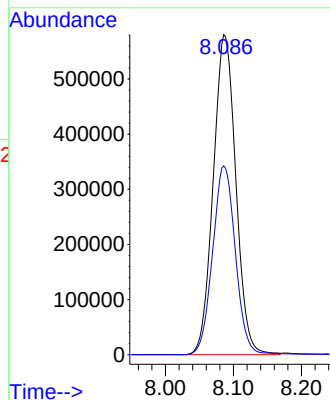
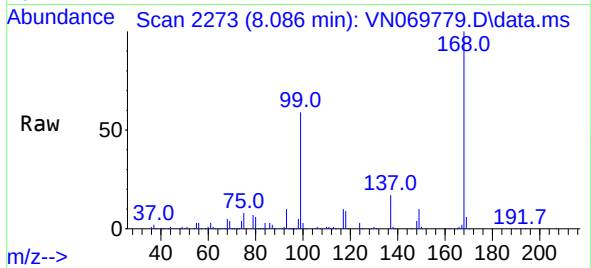




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

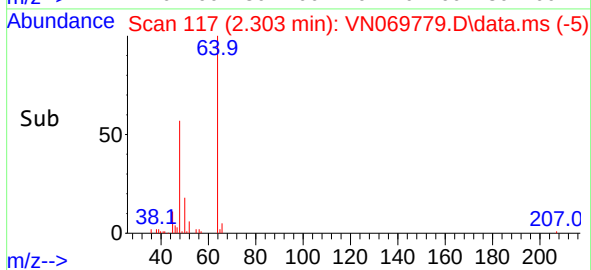
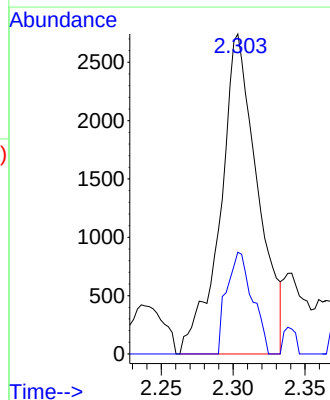
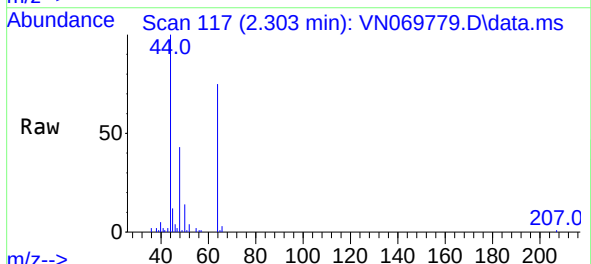
Instrument :
MSVOA_N
ClientSampleId :
VN1206WBL01

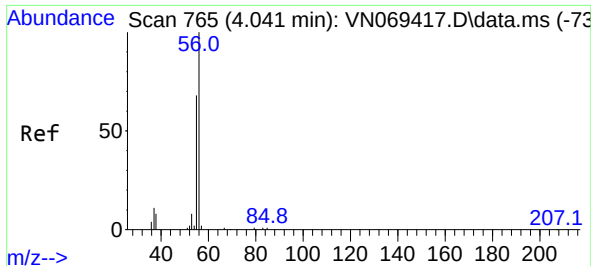
Tgt Ion:168 Resp: 1339854
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 50 Resp: 4928
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.0

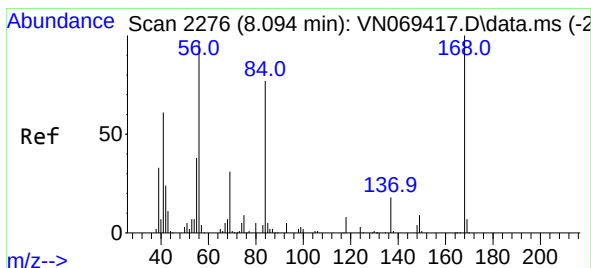
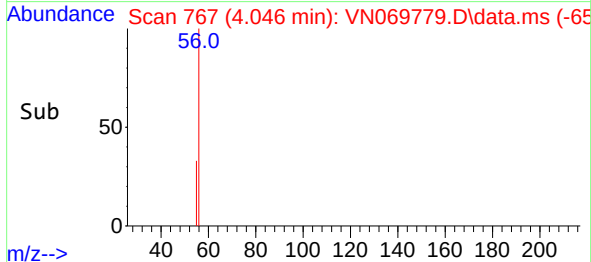
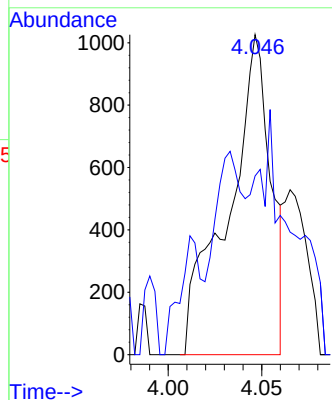
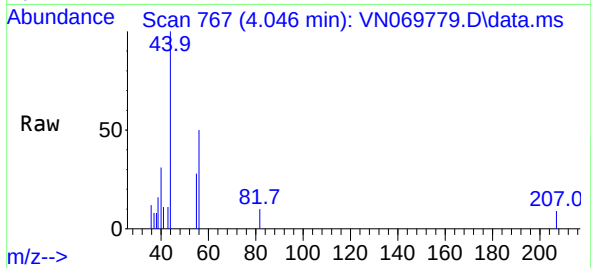




#13
Acrolein
Concen: 0.486 ug/l
RT: 4.046 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

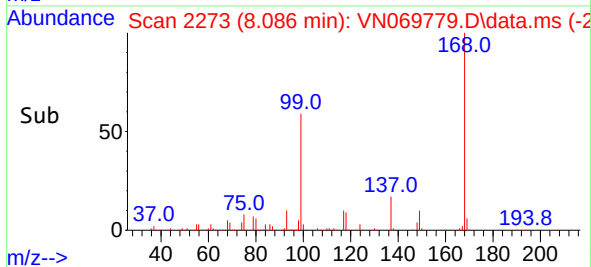
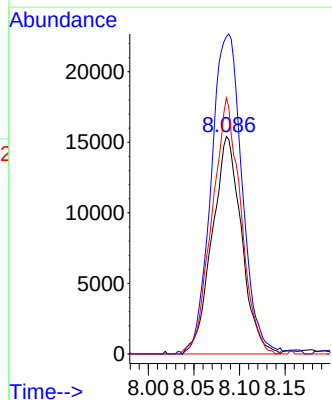
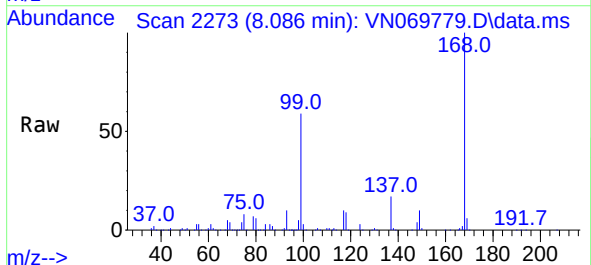
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ClientSampleId :
VN1206WBL01

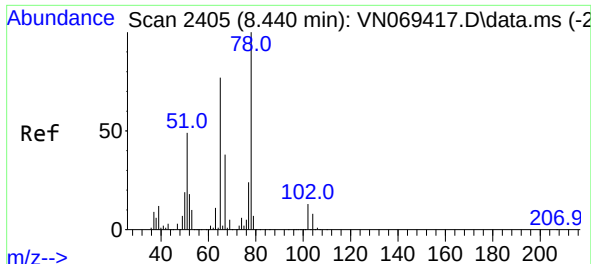
Tgt Ion: 56 Resp: 1620
Ion Ratio Lower Upper
56 100
55 23.0 56.6 85.0#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 56 Resp: 34582
Ion Ratio Lower Upper
56 100
69 144.9 27.1 40.7#
84 117.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.890 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069779.D

Acq: 6 Dec 2021 12:33

Instrument :

MSVOA_N

ClientSampleId :

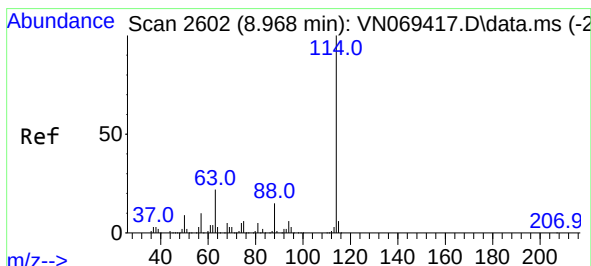
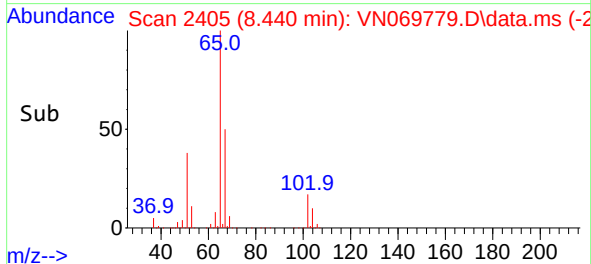
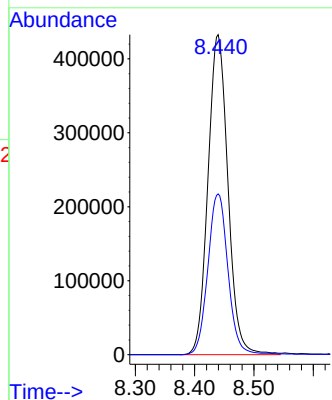
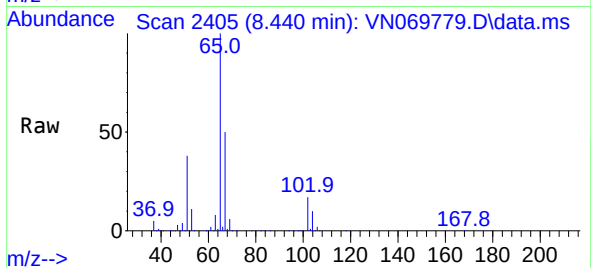
VN1206WBL01

Tgt Ion: 65 Resp: 1011399

Ion Ratio Lower Upper

65 100

67 50.4 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: VN069779.D

Acq: 6 Dec 2021 12:33

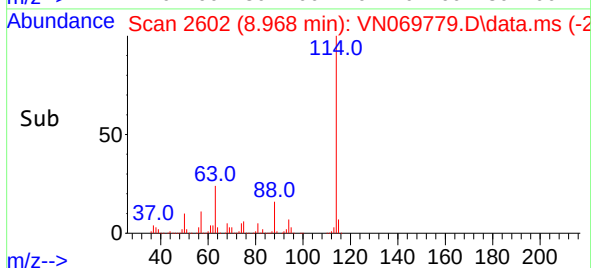
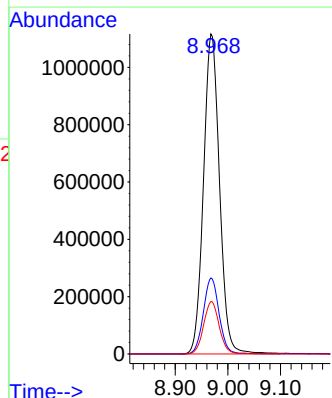
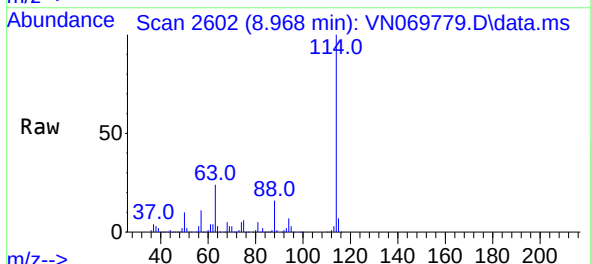
Tgt Ion: 114 Resp: 2357243

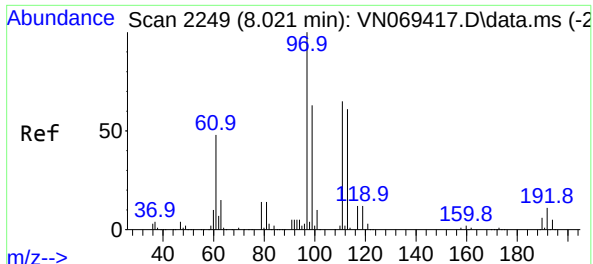
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.4 0.0 27.4

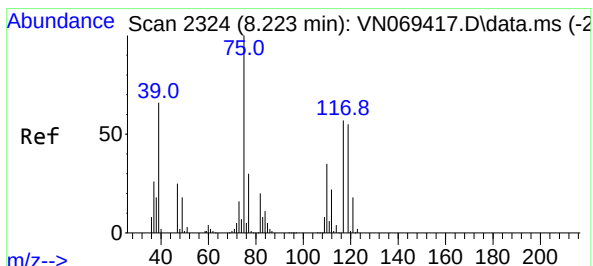
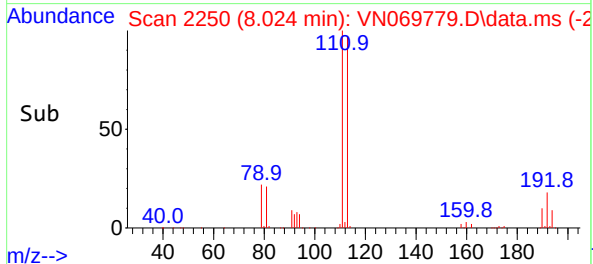
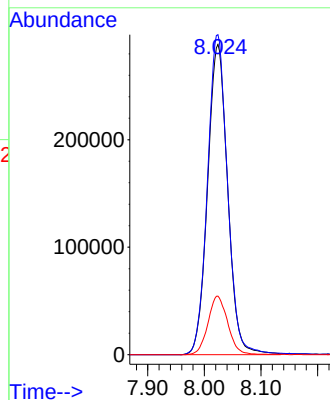
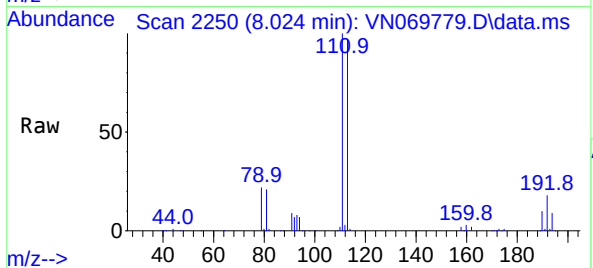




#35
Dibromofluoromethane
Concen: 48.228 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

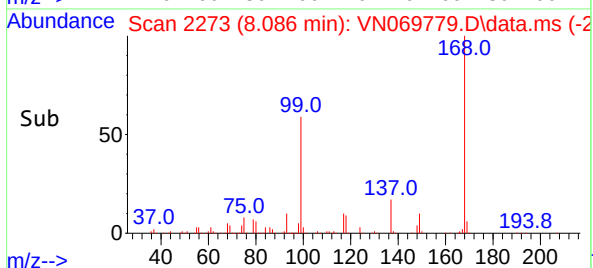
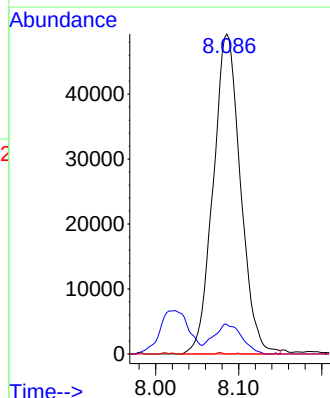
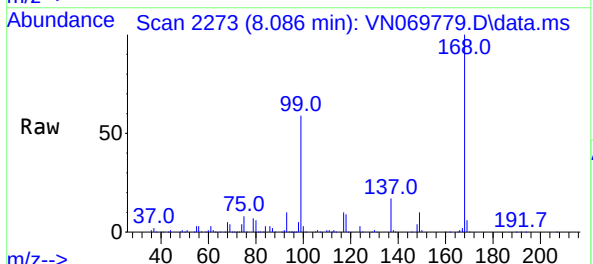
Instrument :
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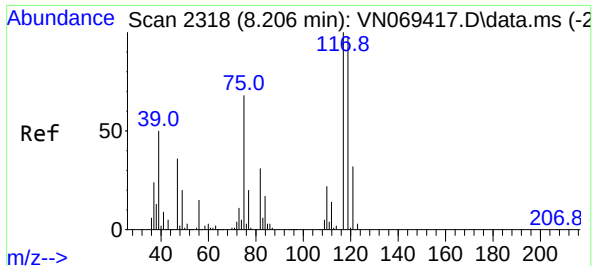
Tgt Ion:113 Resp: 712104
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 75 Resp: 112438
Ion Ratio Lower Upper
75 100
110 9.8 18.4 55.2#
77 0.1 24.4 36.6#

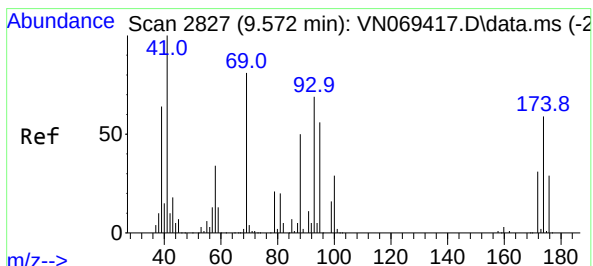
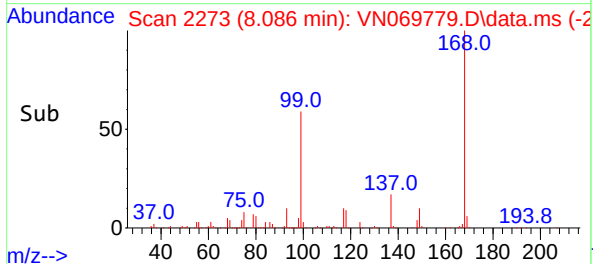
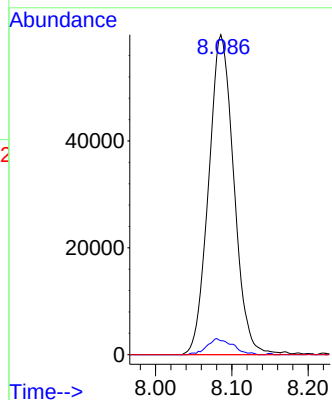
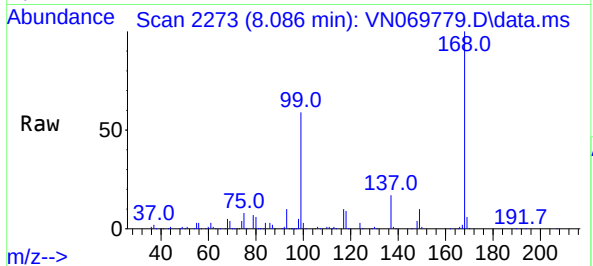




#38
Carbon Tetrachloride
Concen: 6.248 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

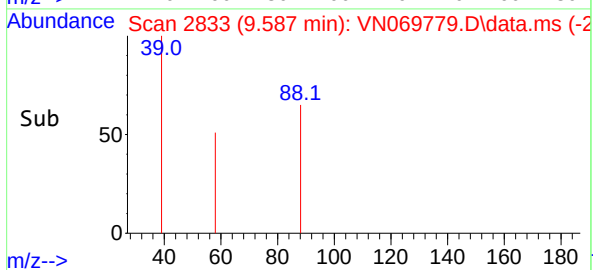
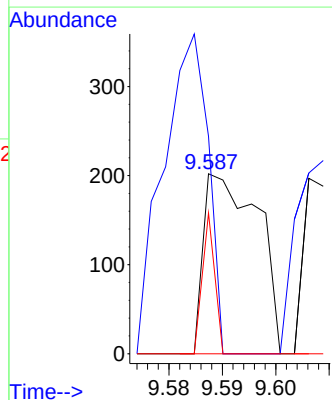
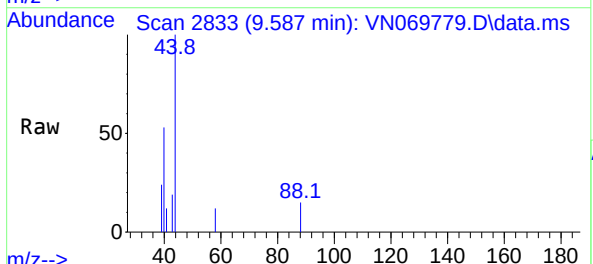
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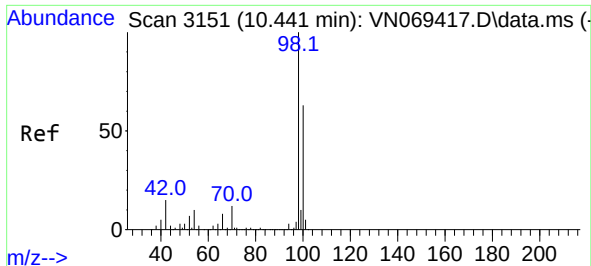
Tgt Ion:117 Resp: 137487
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.346 ug/l
RT: 9.587 min Scan# 2833
Delta R.T. 0.016 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 146.9 23.4 35.2#
58 17.5 50.6 75.8#

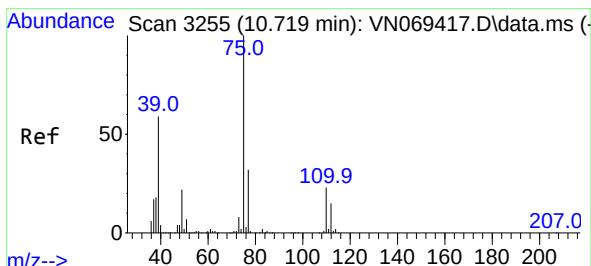
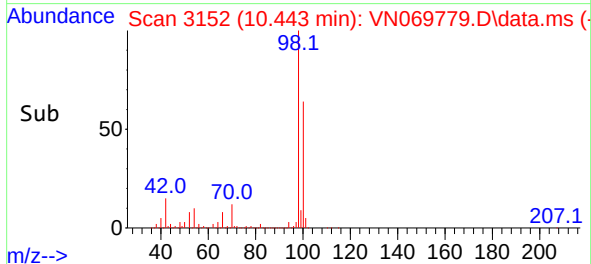
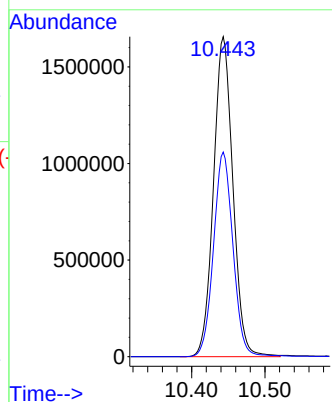
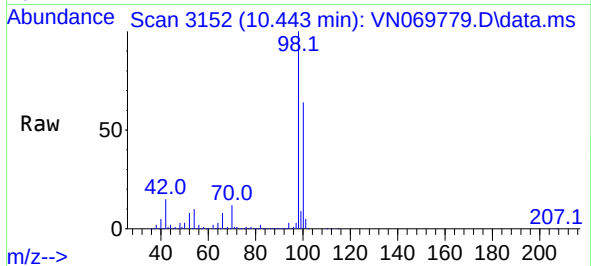




#50
Toluene-d8
Concen: 51.362 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

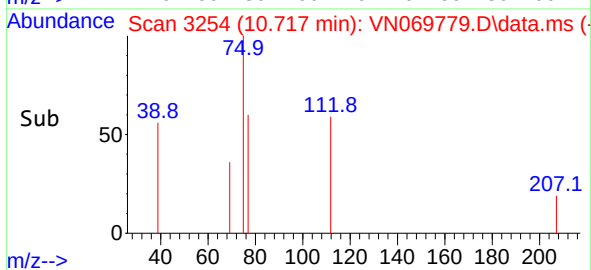
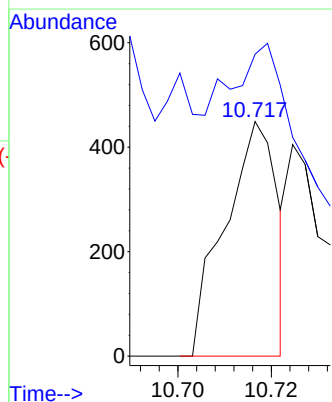
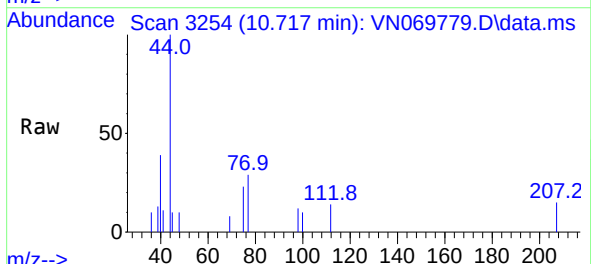
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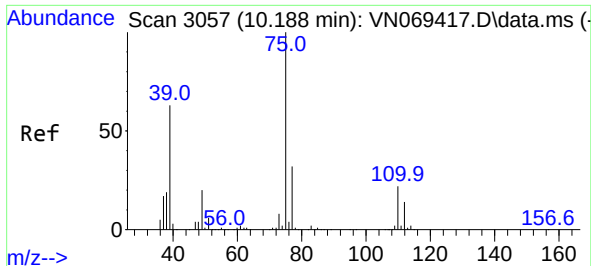
Tgt Ion: 98 Resp: 3045128
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.806 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 75 Resp: 348
Ion Ratio Lower Upper
75 100
77 13.1 25.6 38.4#

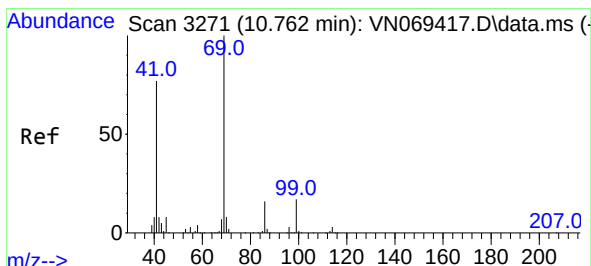
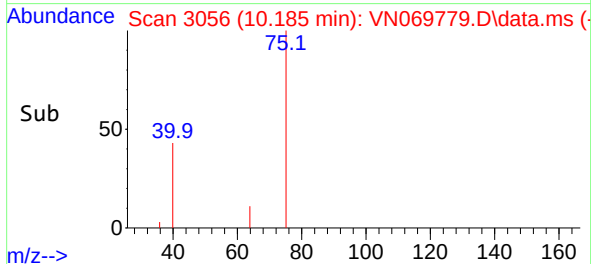
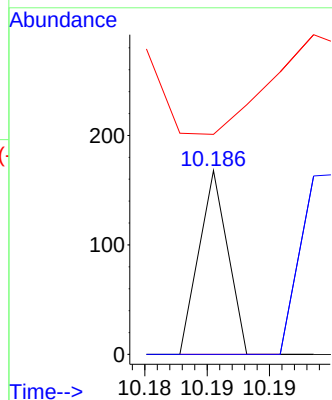
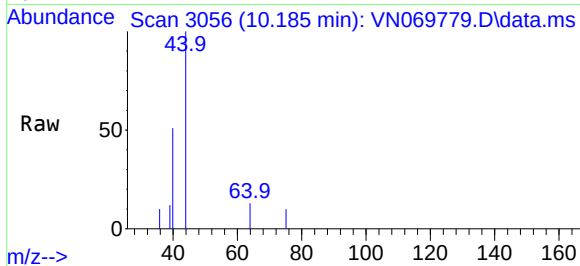




#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.185 min Scan# 3057
Delta R.T. -0.006 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

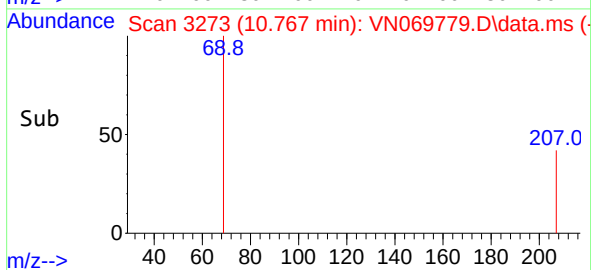
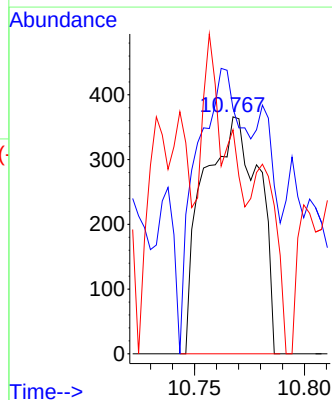
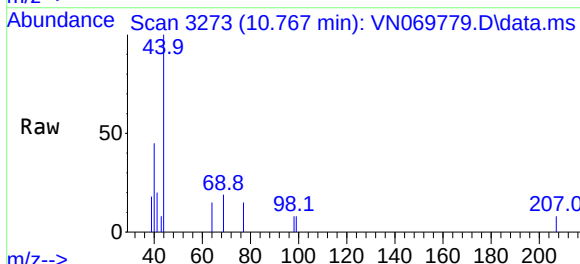
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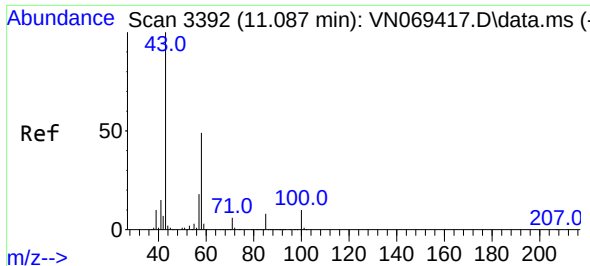
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.298 ug/l
RT: 10.767 min Scan# 3273
Delta R.T. 0.005 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 69 Resp: 642
Ion Ratio Lower Upper
69 100
41 105.1 51.4 77.0#
39 31.8 34.6 52.0#

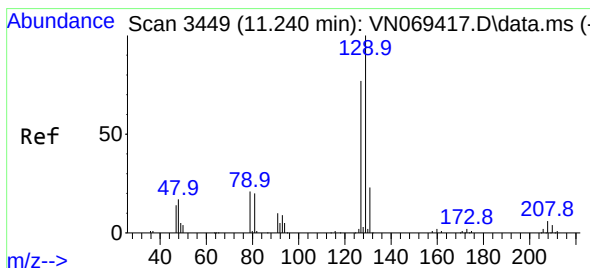
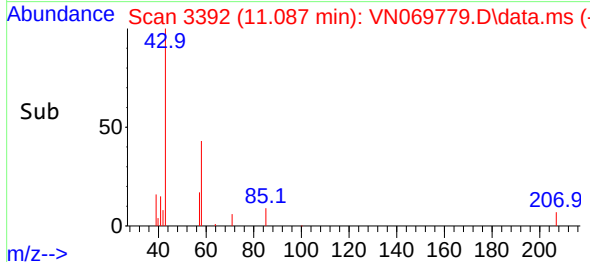
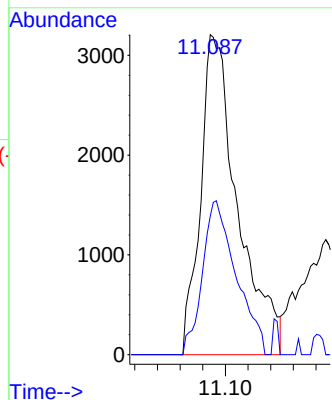
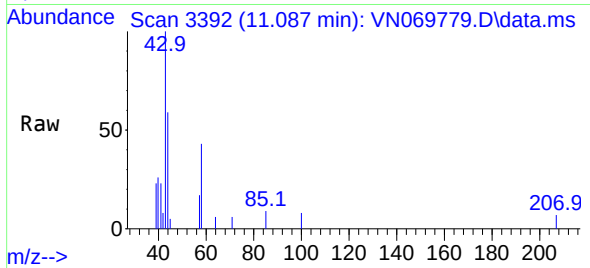




#59
2-Hexanone
Concen: 0.301 ug/l
RT: 11.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

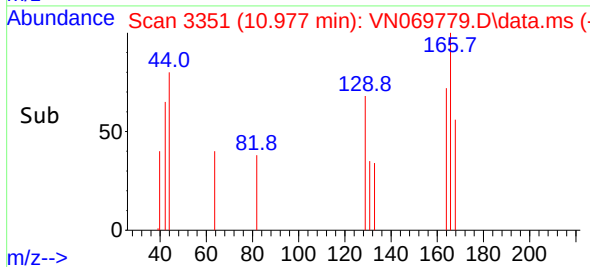
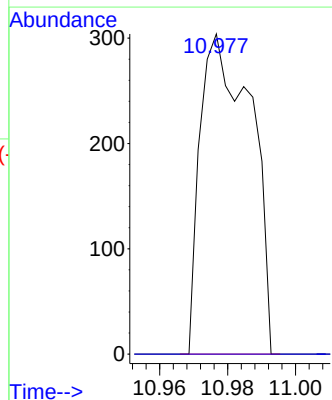
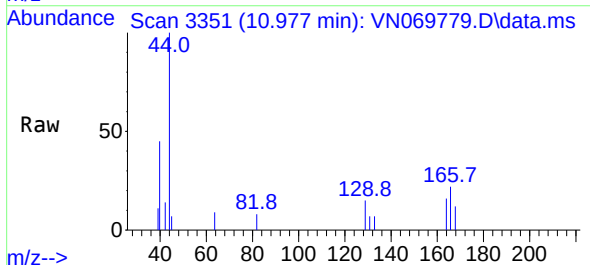
Instrument :
MSVOA_N
ClientSampleId :
VN1206WBL01

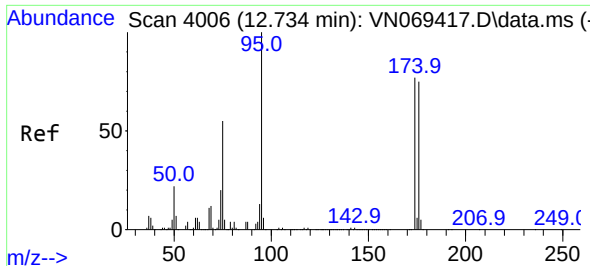
Tgt Ion: 43 Resp: 7303
Ion Ratio Lower Upper
43 100
58 43.7 26.9 80.7



#60
Dibromochloromethane
Concen: 2.393 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 129 Resp: 314
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

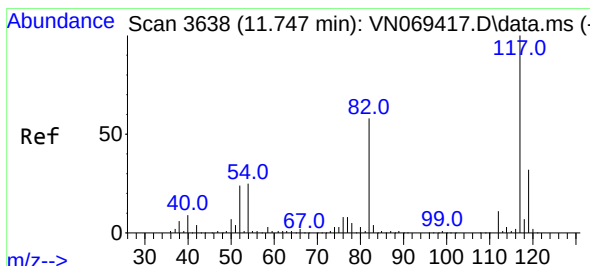
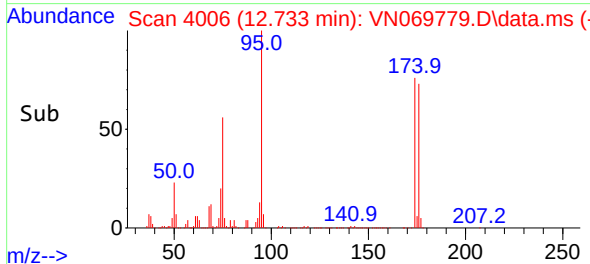
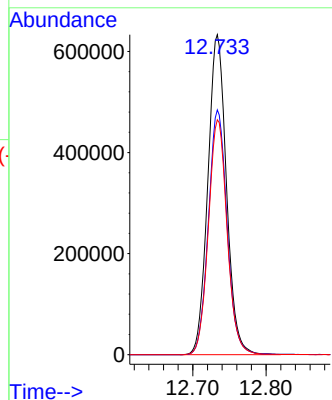
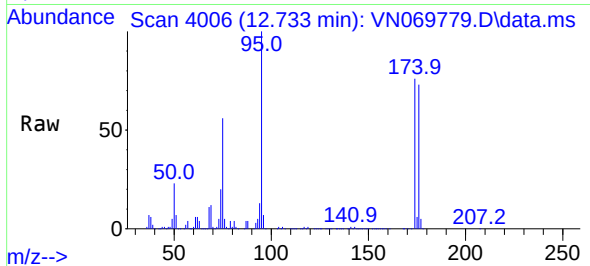




#62
4-Bromofluorobenzene
Concen: 52.003 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

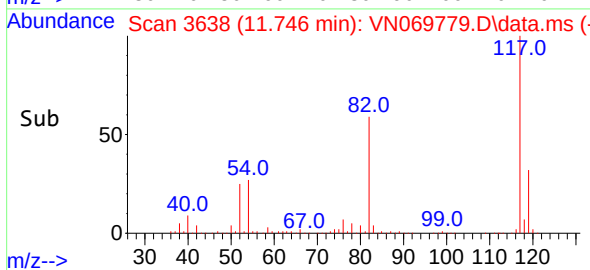
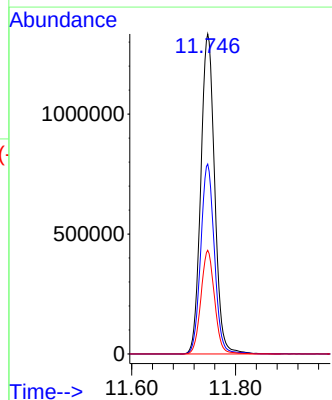
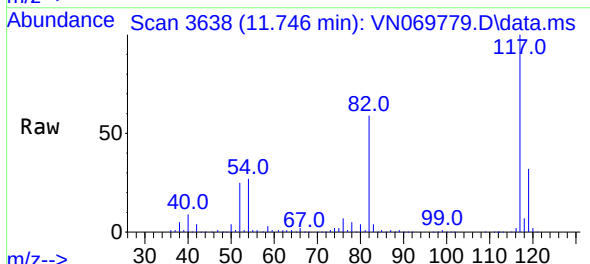
Instrument :
MSVOA_N
ClientSampleId :
VN1206WBL01

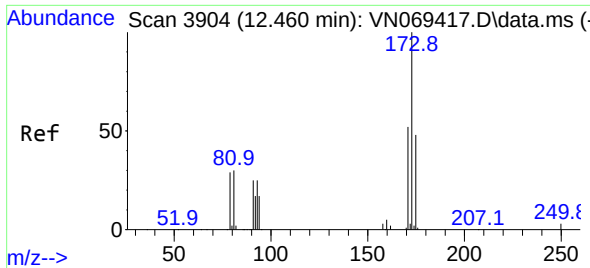
Tgt Ion: 95 Resp: 1116946
Ion Ratio Lower Upper
95 100
174 76.9 0.0 187.2
176 73.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 117 Resp: 2472664
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.4 25.4 38.2

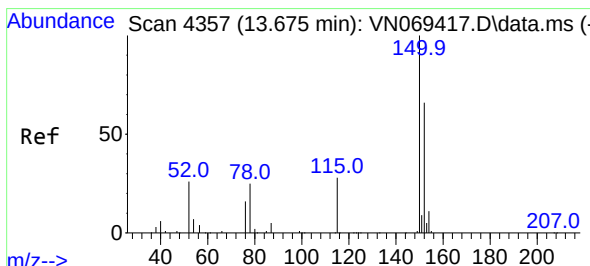
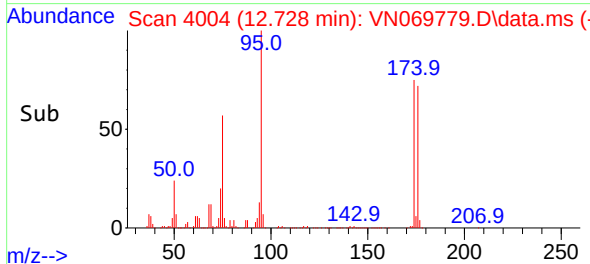
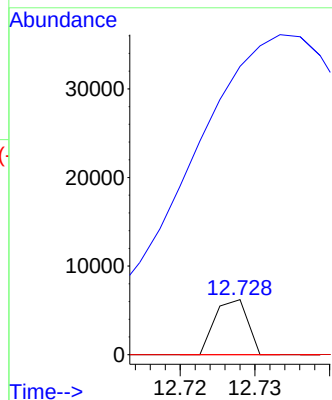
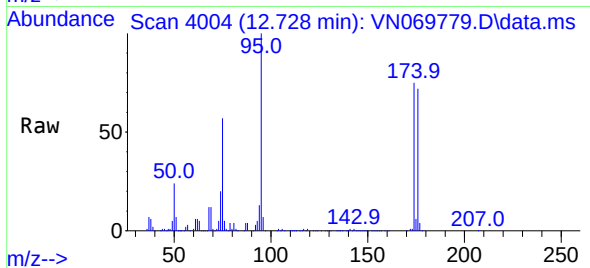




#71
Bromoform
Concen: 2.849 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

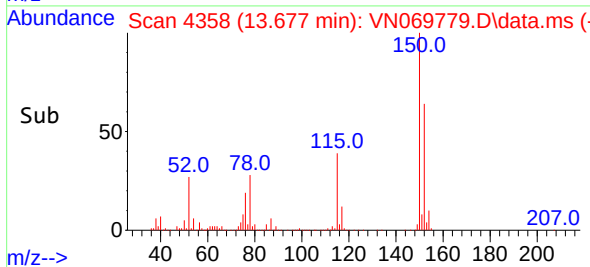
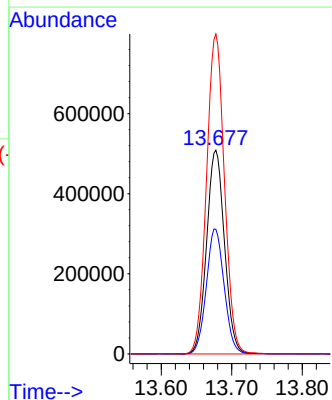
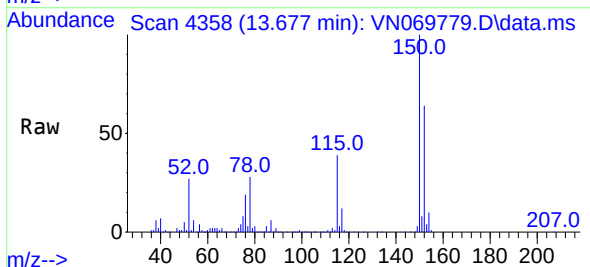
Instrument :
MSVOA_N
ClientSampleId :
VN1206WBL01

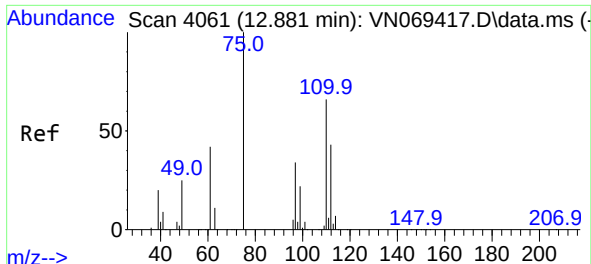
Tgt Ion:173 Resp: 1882
Ion Ratio Lower Upper
173 100
175 3220.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion:152 Resp: 897727
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 156.8 0.0 344.4

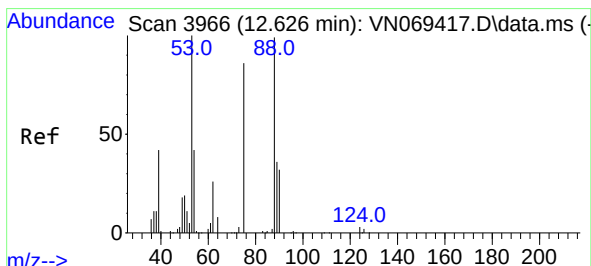
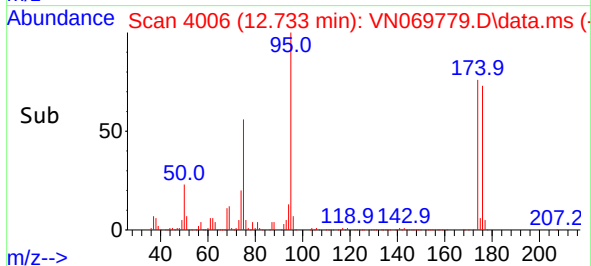
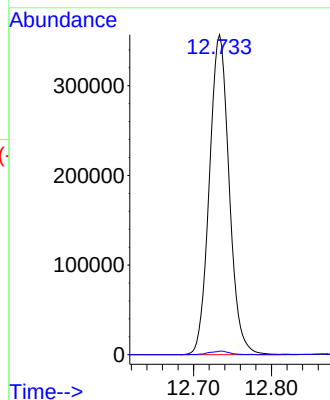
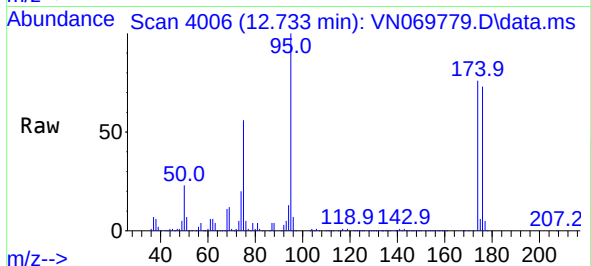




#76
1,2,3-Trichloropropane
Concen: 24.473 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

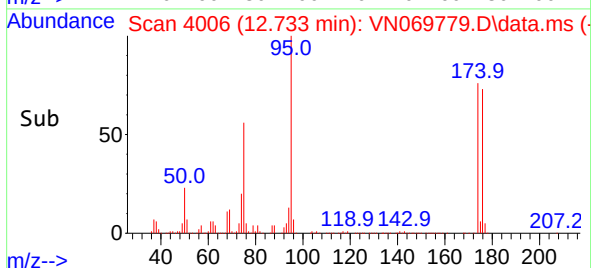
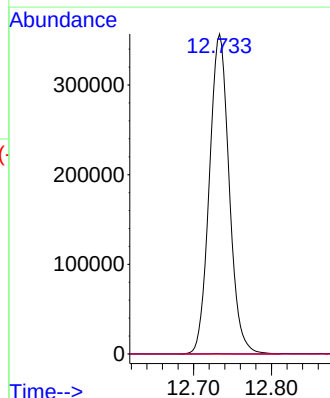
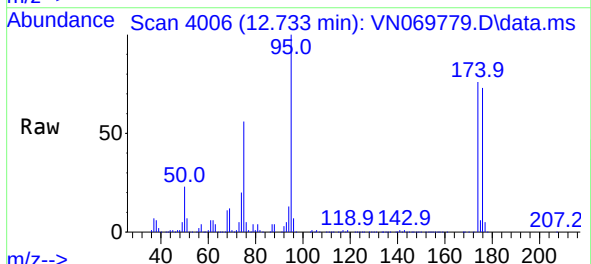
Instrument :
MSVOA_N
ClientSampleId :
VN1206WBL01

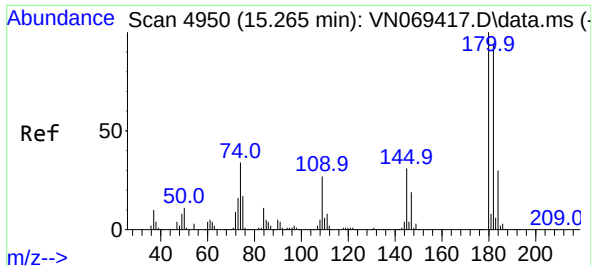
Tgt Ion: 75 Resp: 630046
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.652 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

Tgt Ion: 75 Resp: 630046
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

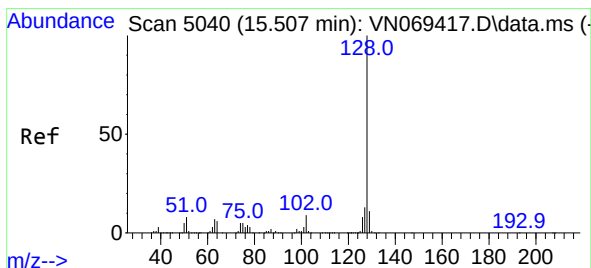
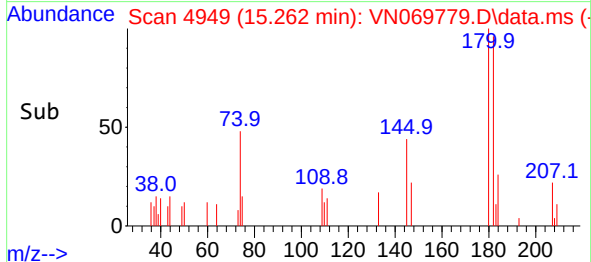
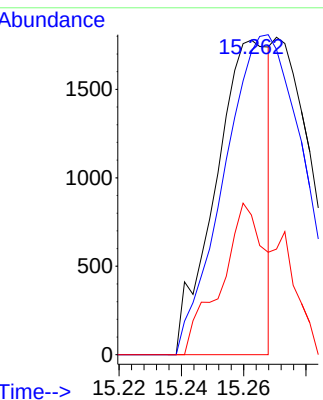
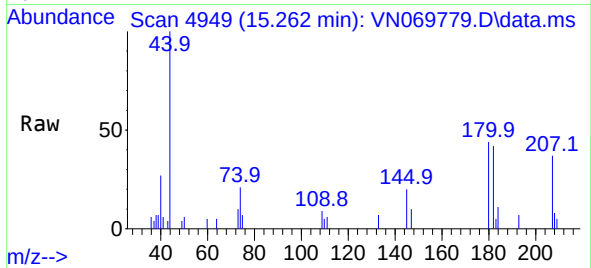




#93
1,2,4-Trichlorobenzene
Concen: 3.013 ug/l
RT: 15.262 min Scan# 4950
Delta R.T. -0.003 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

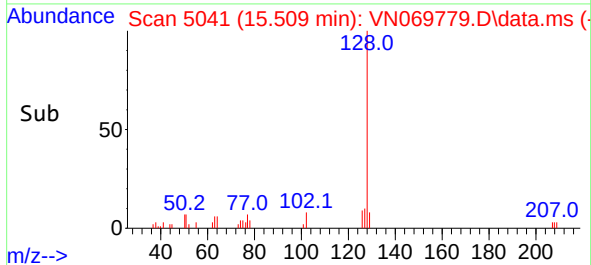
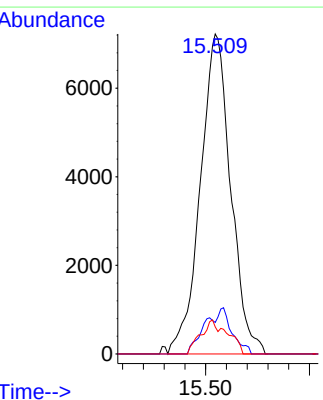
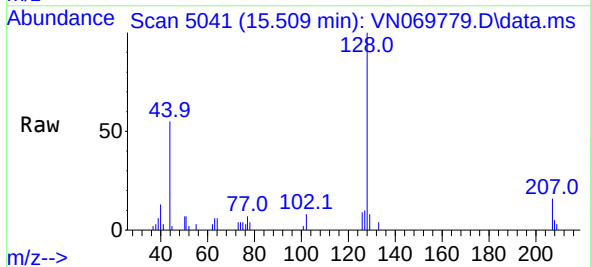
Instrument :
MSVOA_N
ClientSampleId :
VN1206WBL01

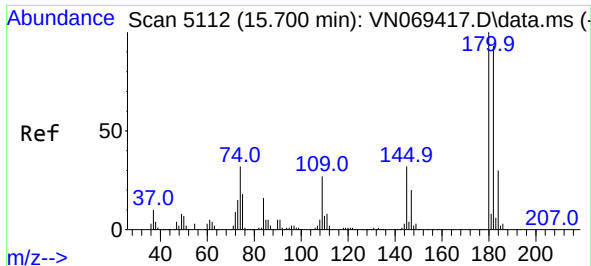
Tgt Ion:180 Resp: 2104
Ion Ratio Lower Upper
180 100
182 157.9 48.3 144.9#
145 55.3 14.5 43.5#



#95
Naphthalene
Concen: 4.293 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069779.D
Acq: 6 Dec 2021 12:33

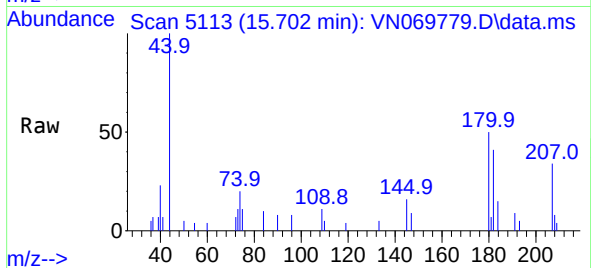
Tgt Ion:128 Resp: 14676
Ion Ratio Lower Upper
128 100
127 5.9 10.5 15.7#
129 9.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.690 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN069779.D
 Acq: 6 Dec 2021 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBL01



Tgt Ion:	180	Resp:	3837
Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.4	142.2
145	15.1	15.0	45.1

