

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069778.D
 Acq On : 6 Dec 2021 12:07
 Operator : JC/MD
 Sample : VN1206MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206MBL01

Quant Time: Dec 06 15:11:57 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

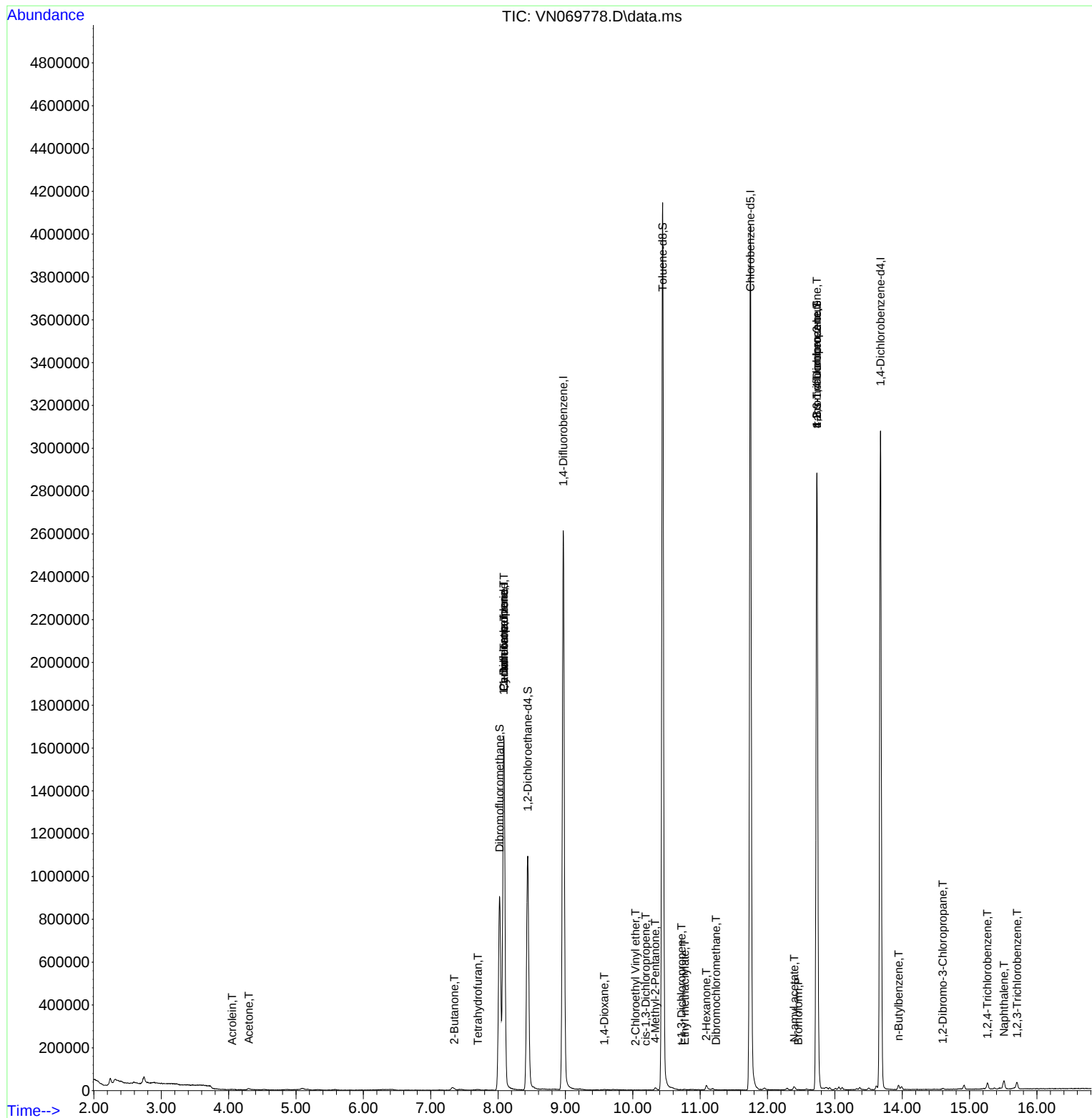
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1251781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2194461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2257619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	823510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	960001	49.670	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.340%
35) Dibromofluoromethane	8.021	113	668794	48.655	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.320%
50) Toluene-d8	10.443	98	2813661	50.978	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.960%
62) 4-Bromofluorobenzene	12.734	95	1024267	51.225	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.460%
Target Compounds						
					Qvalue	
13) Acrolein	4.052	56	2257	0.725	ug/l #	14
16) Acetone	4.299	43	7222	0.621	ug/l	99
25) 2-Butanone	7.351	43	3970	0.251	ug/l #	82
29) Tetrahydrofuran	7.702	42	3424	0.357	ug/l #	50
31) Cyclohexane	8.086	56	31642	1.176	ug/l #	25
36) 1,1-Dichloropropene	8.083	75	108193	5.179	ug/l #	48
38) Carbon Tetrachloride	8.086	117	129133	6.304	ug/l #	17
49) 1,4-Dioxane	9.577	88	609	1.581	ug/l #	63
51) 4-Methyl-2-Pentanone	10.336	43	9502	0.318	ug/l #	83
53) t-1,3-Dichloropropene	10.725	75	475	2.812	ug/l #	43
54) cis-1,3-Dichloropropene	10.194	75	190	2.005	ug/l #	71
56) Ethyl methacrylate	10.773	69	1609	2.331	ug/l #	39
58) 2-Chloroethyl Vinyl ether	10.041	63	25	18.392	ug/l #	45
59) 2-Hexanone	11.092	43	17782	0.788	ug/l	89
60) Dibromochloromethane	11.237	129	25	2.378	ug/l	78
71) Bromoform	12.457	173	179	2.743	ug/l #	29
74) N-amyl acetate	12.398	43	11185	0.345	ug/l #	85
76) 1,2,3-Trichloropropane	12.734	75	570246	24.146	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	570246	76.670	ug/l #	5
89) n-Butylbenzene	13.946	91	11723	0.261	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1010	0.221	ug/l	67
93) 1,2,4-Trichlorobenzene	15.265	180	9426	3.535	ug/l	94
95) Naphthalene	15.509	128	34870	4.783	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	11372	3.257	ug/l	97

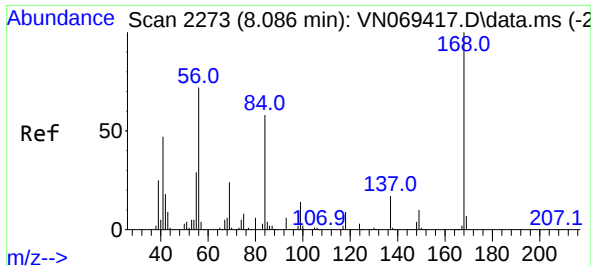
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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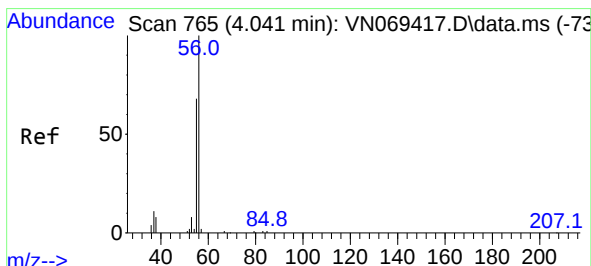
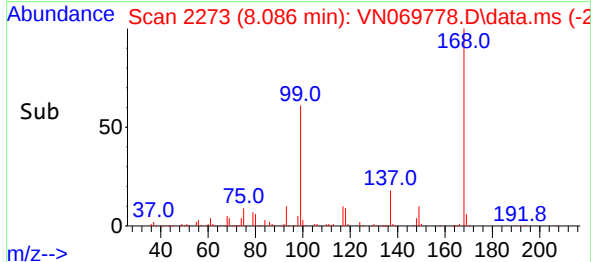
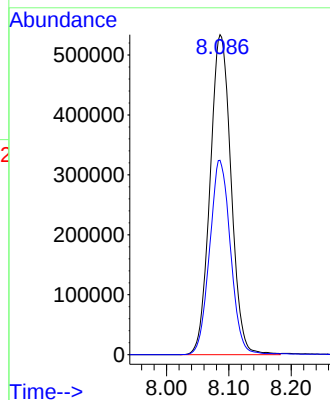
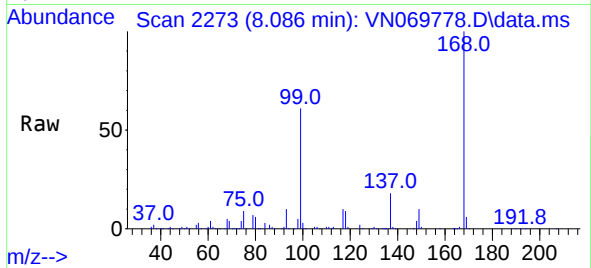




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

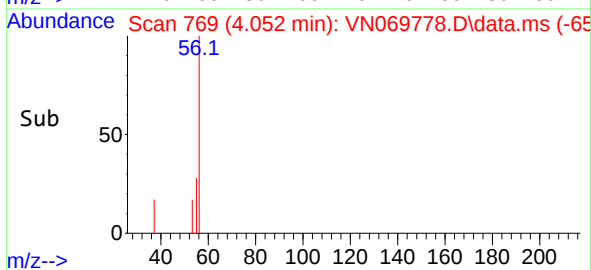
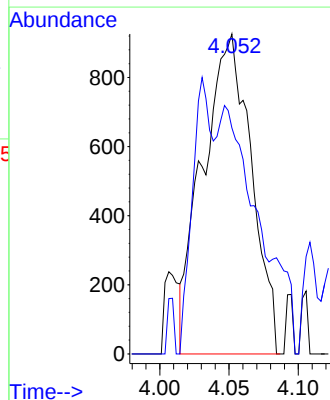
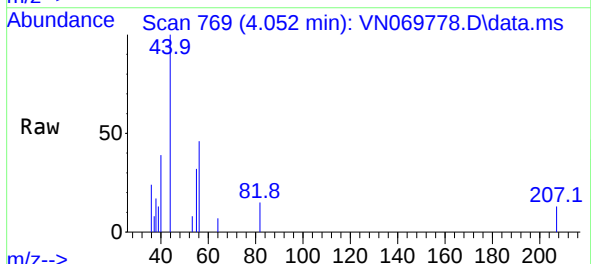
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

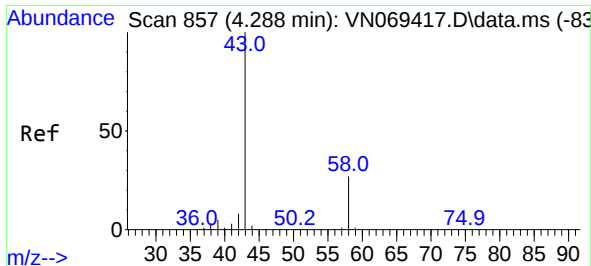
Tgt Ion:168 Resp: 1251781
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9



#13
Acrolein
Concen: 0.725 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.014 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 56 Resp: 2257
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

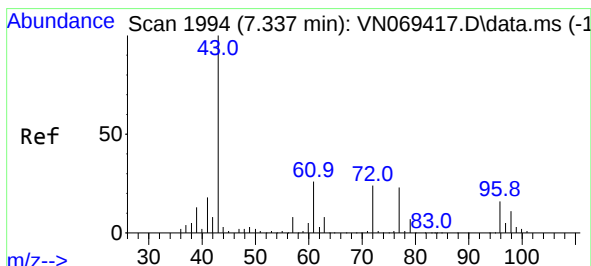
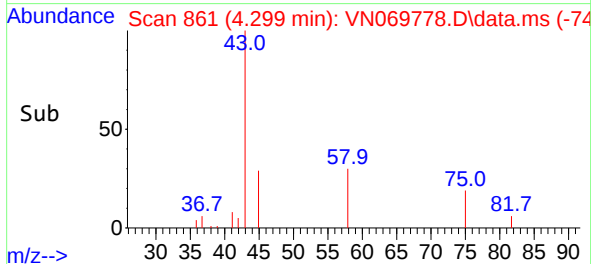
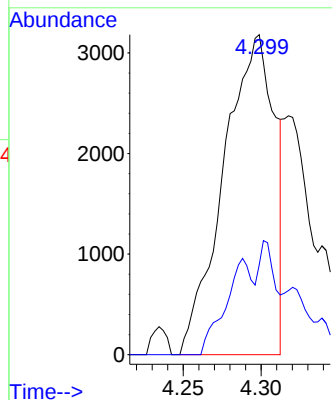
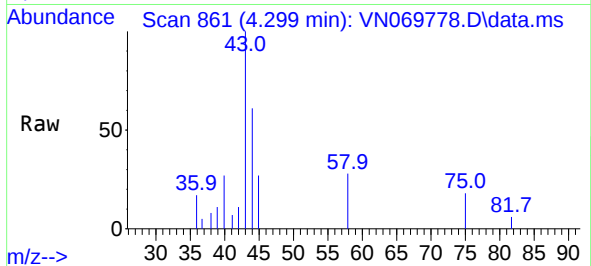




#16
Acetone
Concen: 0.621 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

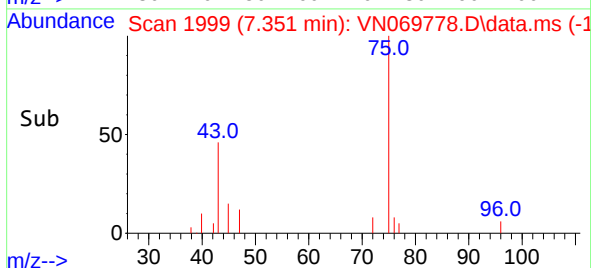
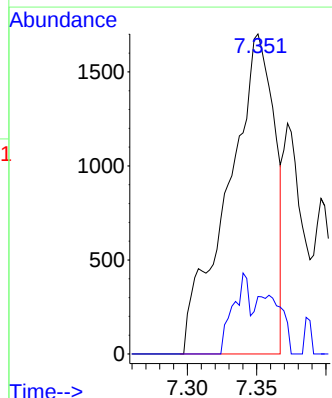
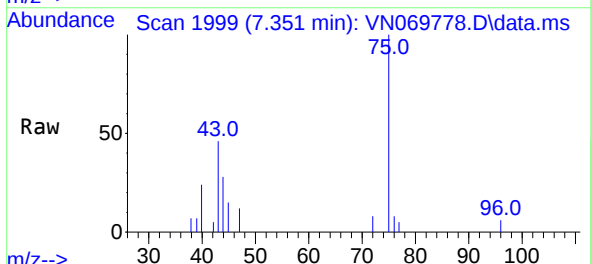
Instrument :
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ClientSampleId :
VN1206MBL01

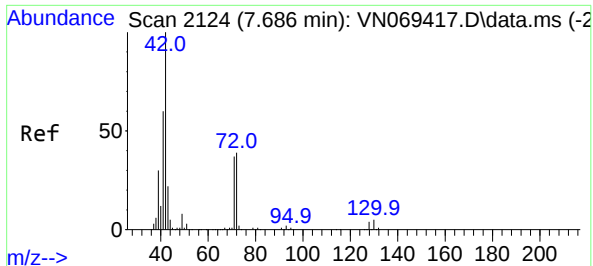
Tgt Ion: 43 Resp: 7222
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



#25
2-Butanone
Concen: 0.251 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 43 Resp: 3970
Ion Ratio Lower Upper
43 100
72 18.0 21.7 32.5#

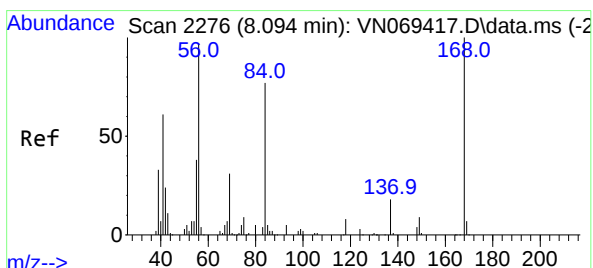
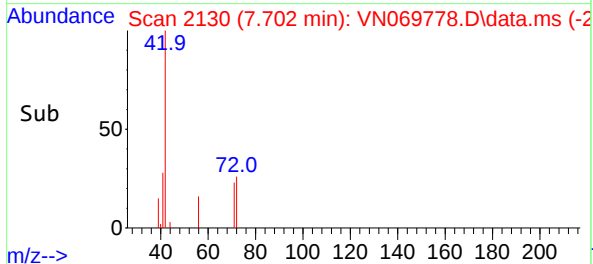
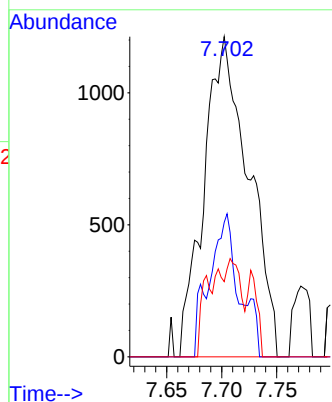
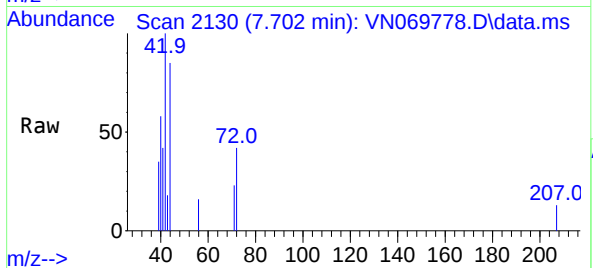




#29
Tetrahydrofuran
Concen: 0.357 ug/l
RT: 7.702 min Scan# 2124
Delta R.T. 0.016 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

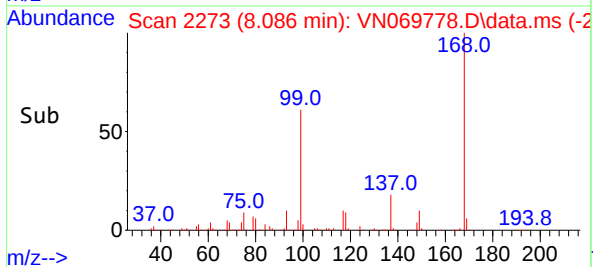
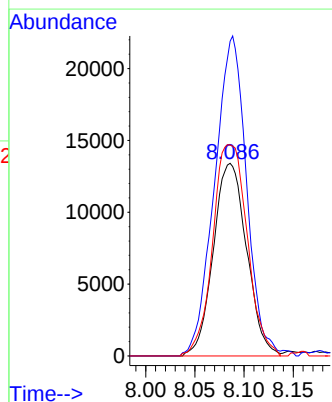
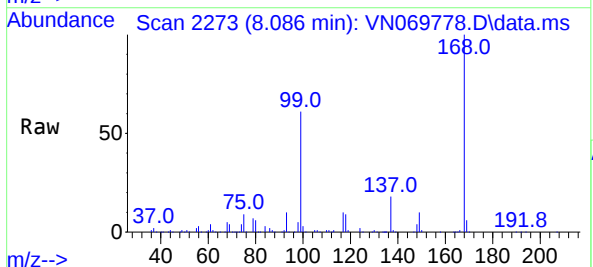
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

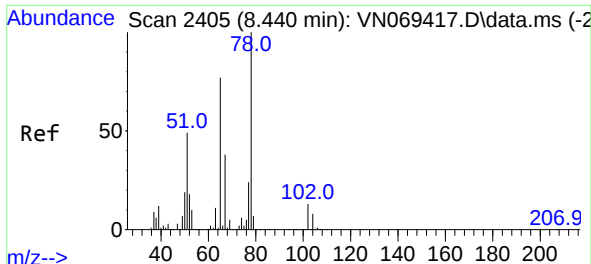
Tgt Ion: 42 Resp: 3424
Ion Ratio Lower Upper
42 100
72 14.0 36.3 54.5#
71 10.0 34.7 52.1#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 56 Resp: 31642
Ion Ratio Lower Upper
56 100
69 163.4 27.1 40.7#
84 109.6 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 49.670 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069778.D

Acq: 6 Dec 2021 12:07

Instrument :

MSVOA_N

ClientSampleId :

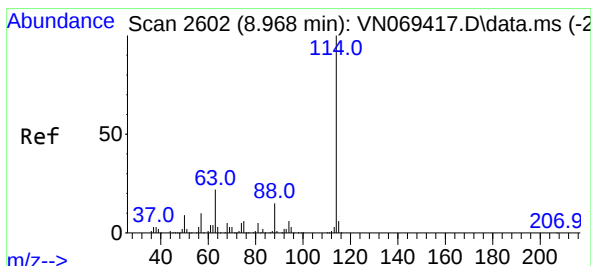
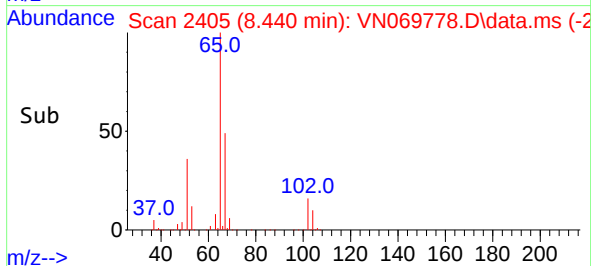
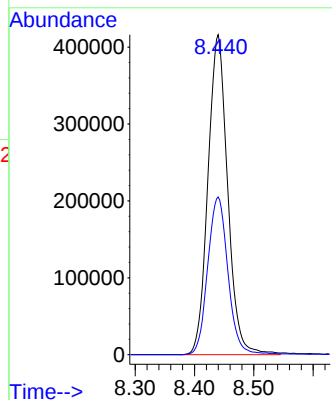
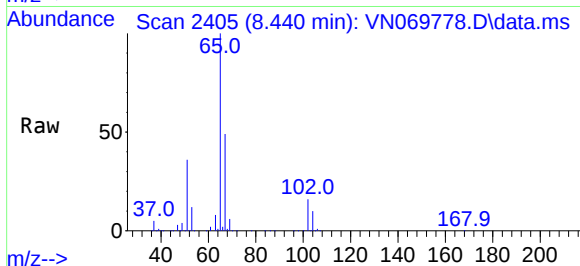
VN1206MBL01

Tgt Ion: 65 Resp: 960001

Ion Ratio Lower Upper

65 100

67 50.5 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: VN069778.D

Acq: 6 Dec 2021 12:07

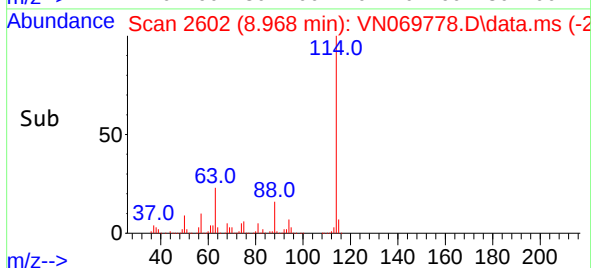
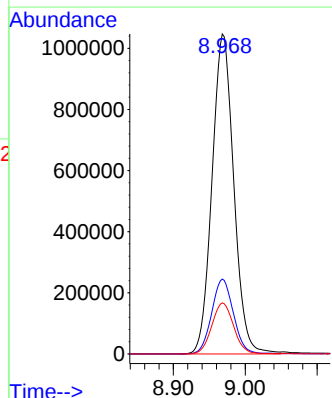
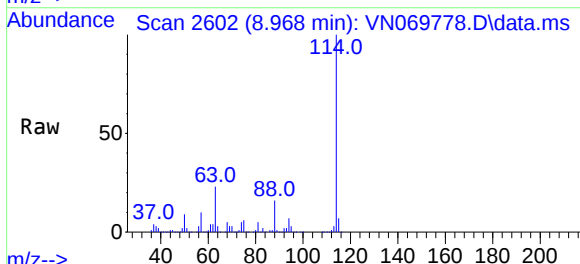
Tgt Ion: 114 Resp: 2194461

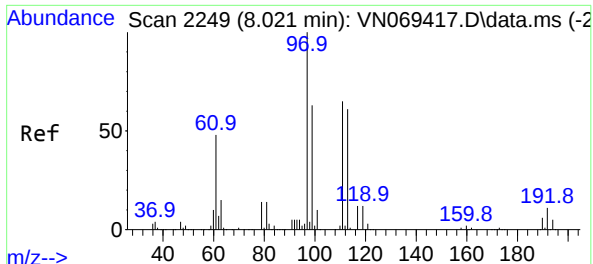
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 15.9 0.0 27.4

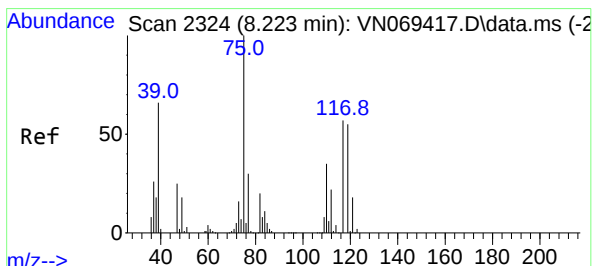
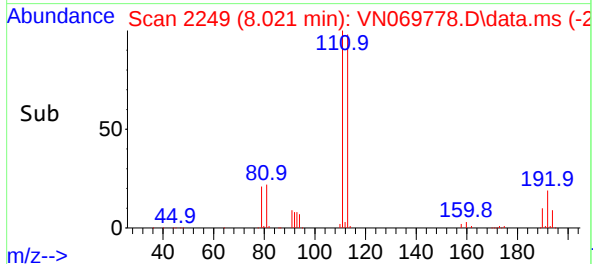
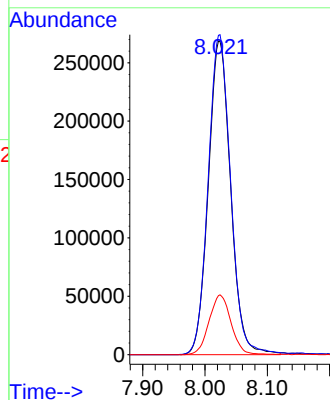
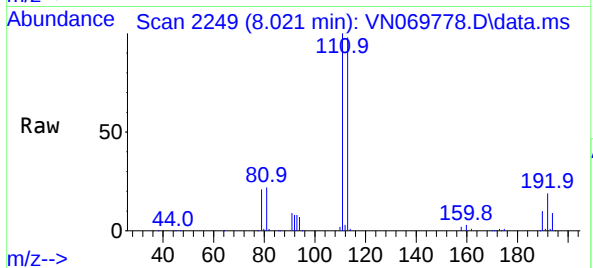




#35
Dibromofluoromethane
Concen: 48.655 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.002 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

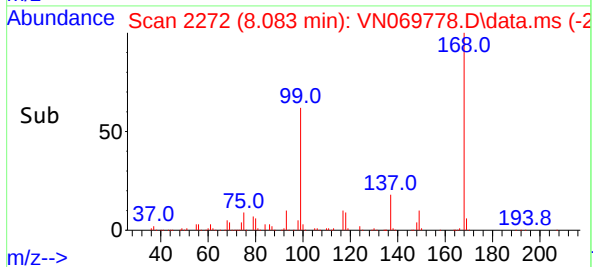
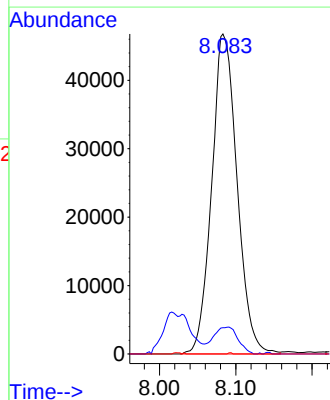
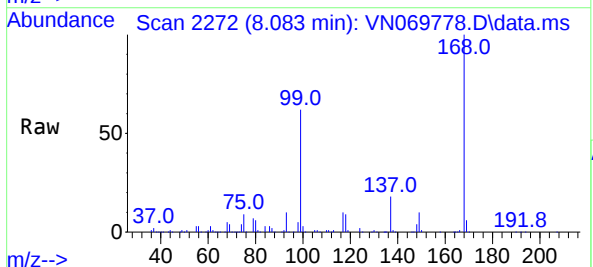
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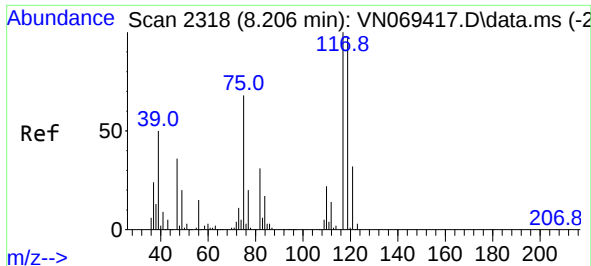
Tgt Ion:113 Resp: 668794
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 75 Resp: 108193
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.1 24.4 36.6#

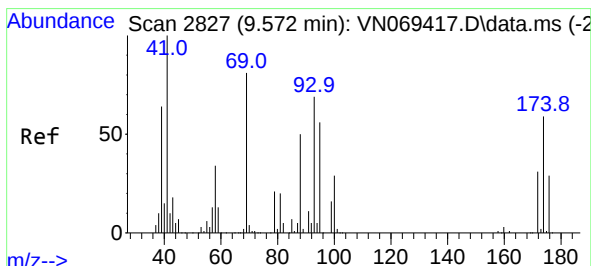
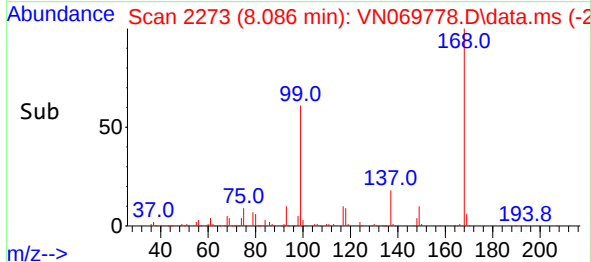
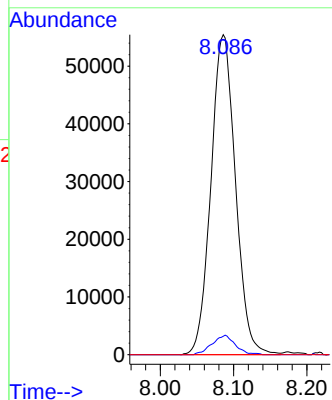
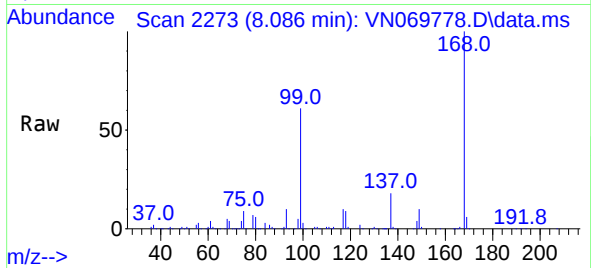




#38
Carbon Tetrachloride
Concen: 6.304 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

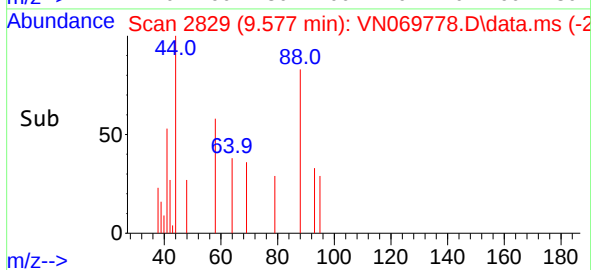
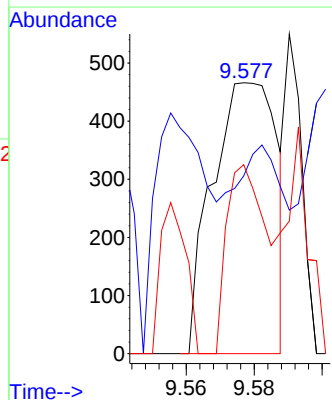
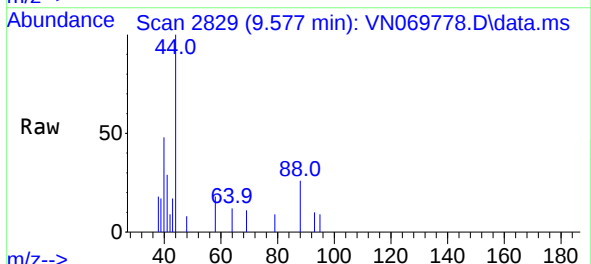
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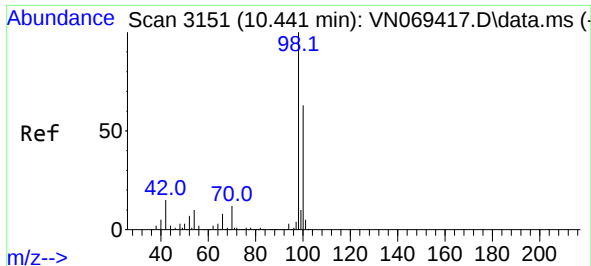
Tgt Ion:117 Resp: 129133
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 1.581 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 88 Resp: 609
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 41.2 50.6 75.8#

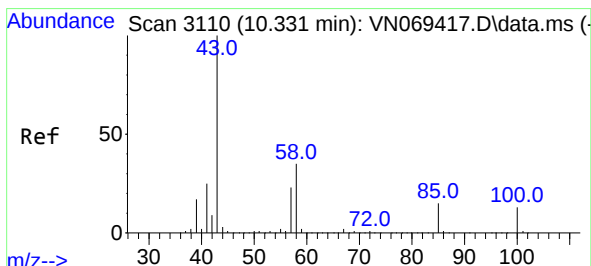
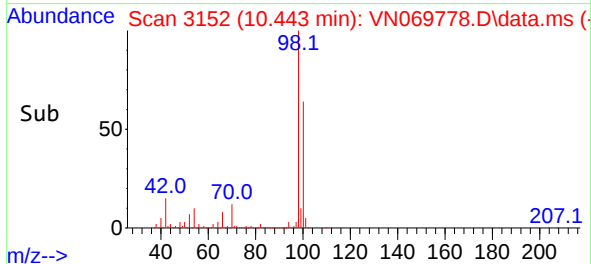
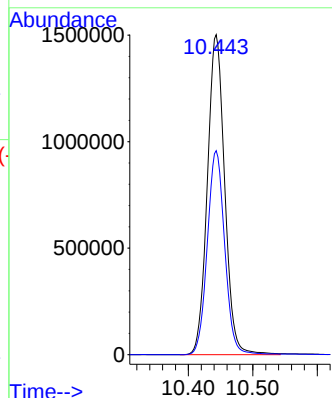
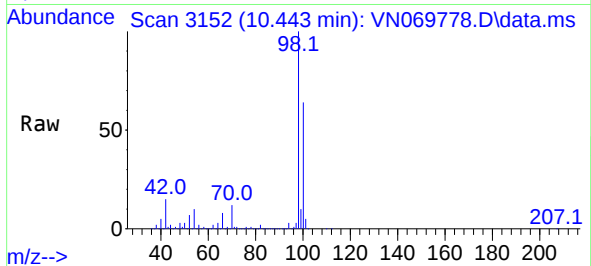




#50
Toluene-d8
Concen: 50.978 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

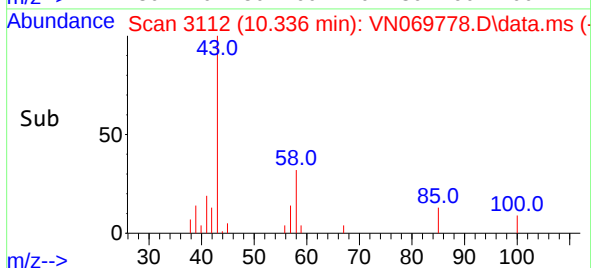
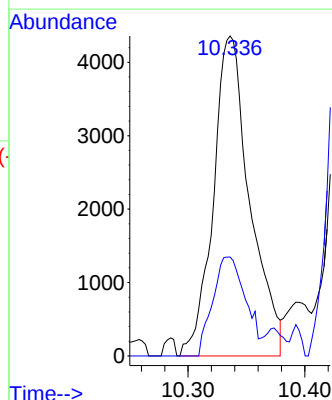
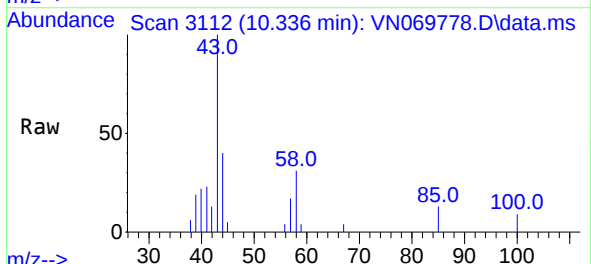
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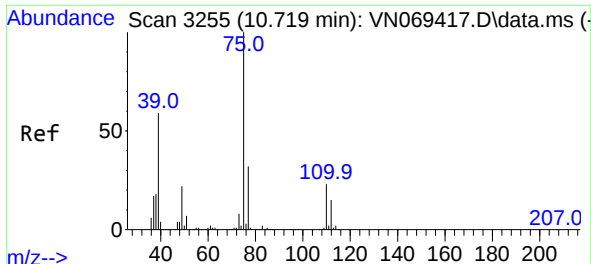
Tgt Ion: 98 Resp: 2813661
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.318 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 43 Resp: 9502
Ion Ratio Lower Upper
43 100
58 27.9 30.4 45.6#

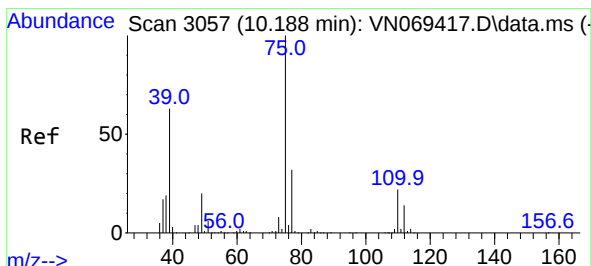
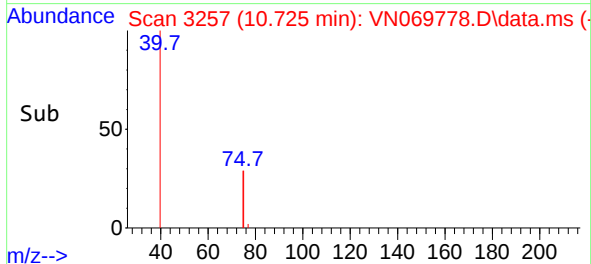
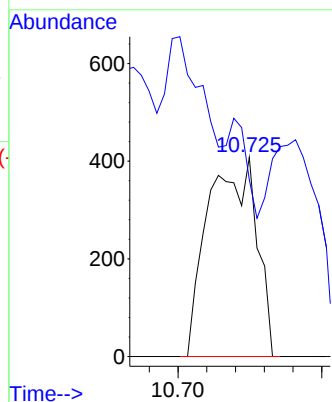
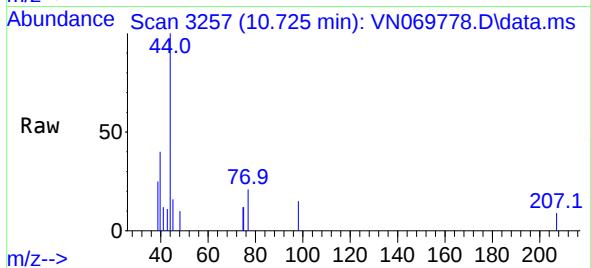




#53
t-1,3-Dichloropropene
Concen: 2.812 ug/l
RT: 10.725 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

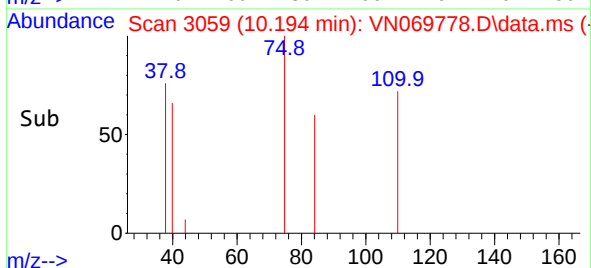
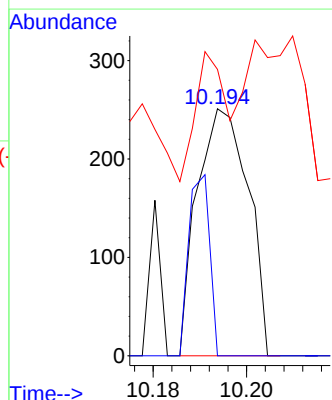
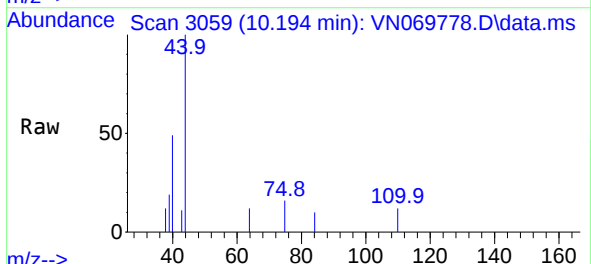
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

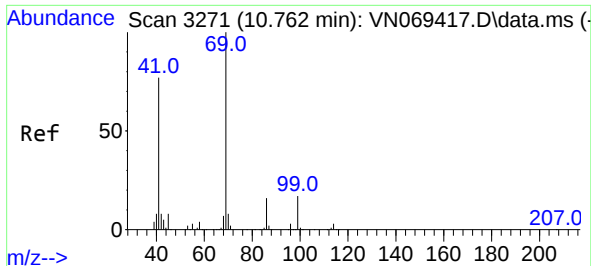
Tgt Ion: 75 Resp: 475
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.005 ug/l
RT: 10.194 min Scan# 3059
Delta R.T. 0.003 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 75 Resp: 190
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 45.4 42.5 63.7

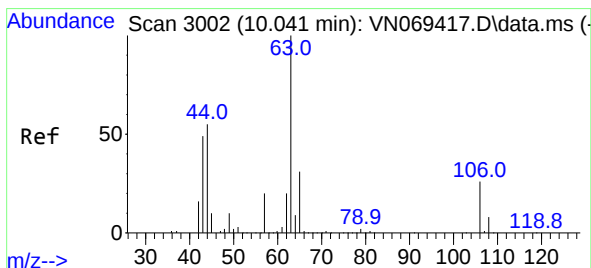
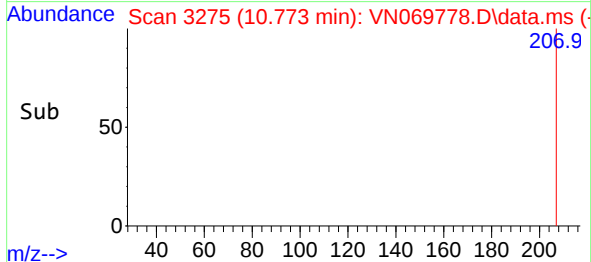
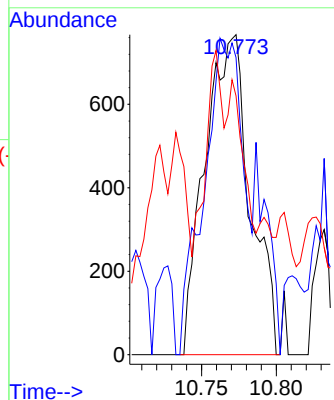
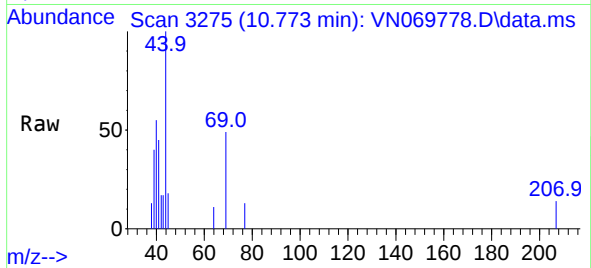




#56
Ethyl methacrylate
Concen: 2.331 ug/l
RT: 10.773 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

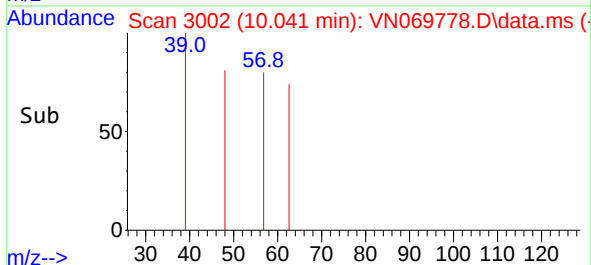
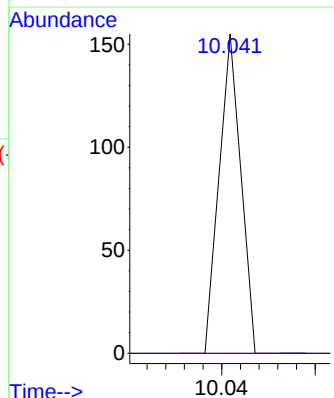
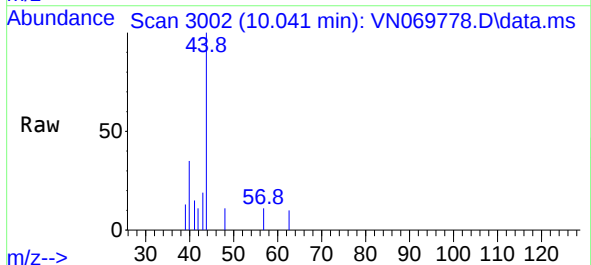
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

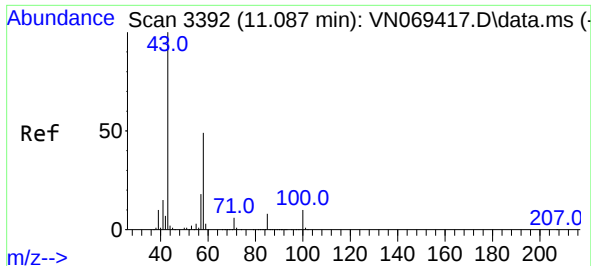
Tgt Ion: 69 Resp: 1609
Ion Ratio Lower Upper
69 100
41 19.8 51.4 77.0#
39 0.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.002 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

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

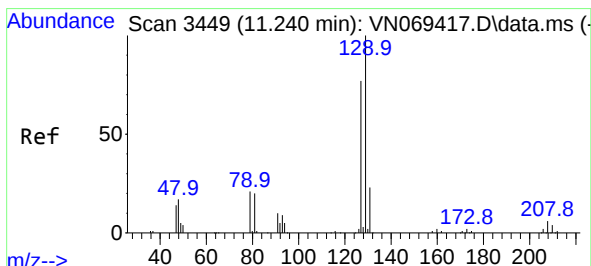
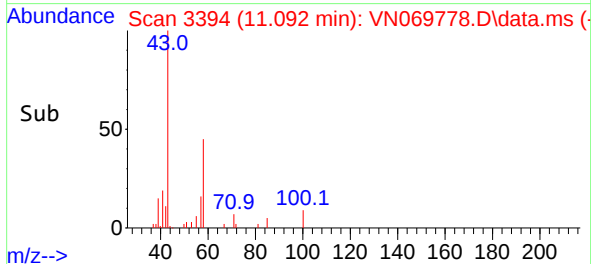
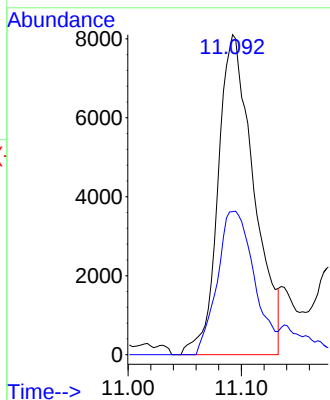
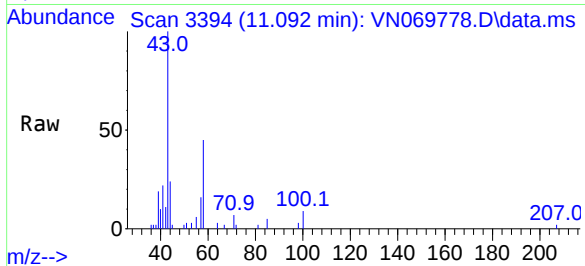




#59
2-Hexanone
Concen: 0.788 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

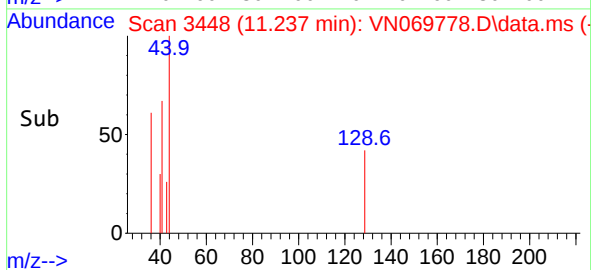
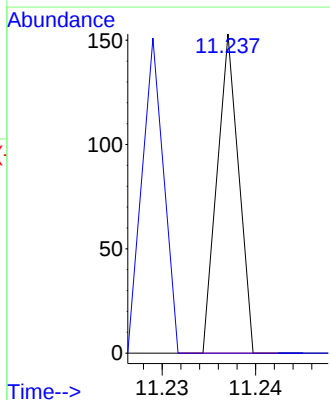
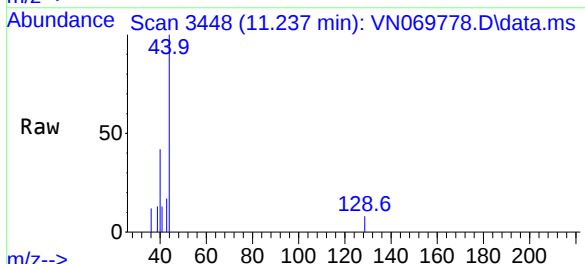
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

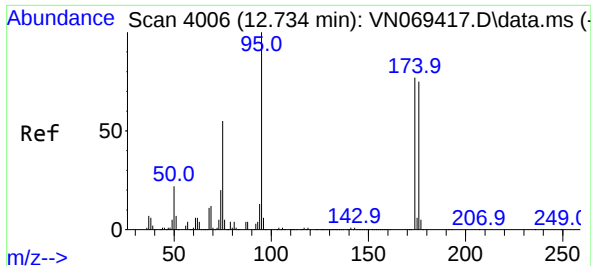
Tgt Ion: 43 Resp: 17782
Ion Ratio Lower Upper
43 100
58 45.8 26.9 80.7



#60
Dibromochloromethane
Concen: 2.378 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion:129 Resp: 25
Ion Ratio Lower Upper
129 100
127 96.0 38.6 116.0

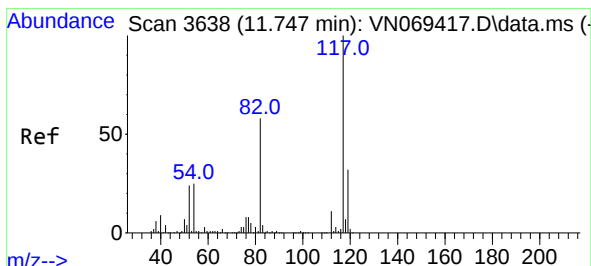
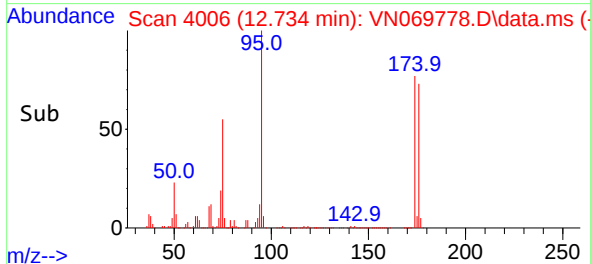
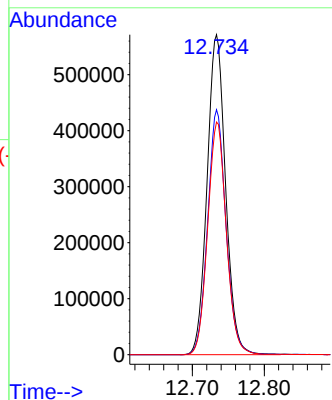
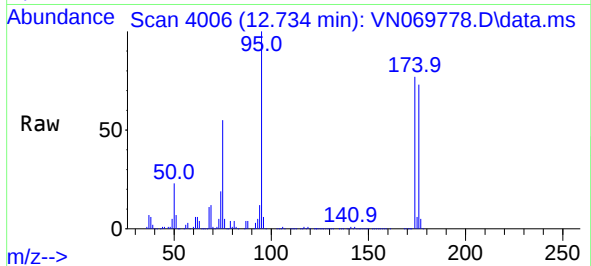




#62
4-Bromofluorobenzene
Concen: 51.225 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

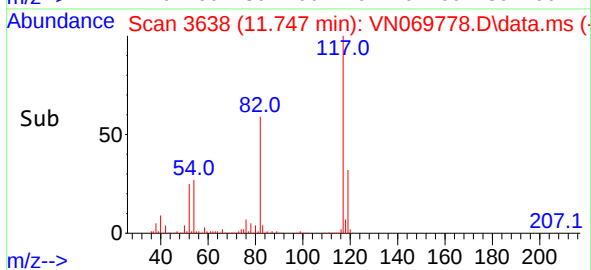
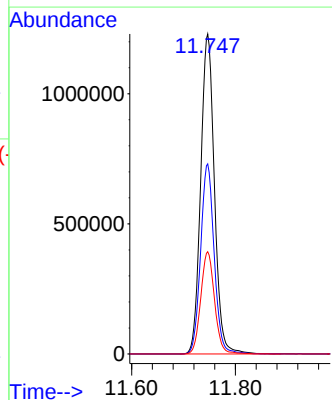
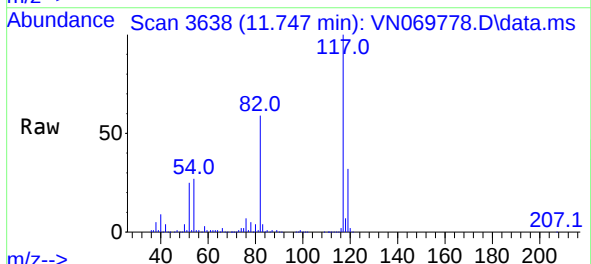
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

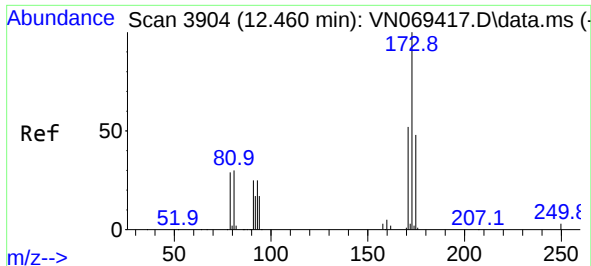
Tgt Ion: 95 Resp: 1024267
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 117 Resp: 2257619
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 31.9 25.4 38.2

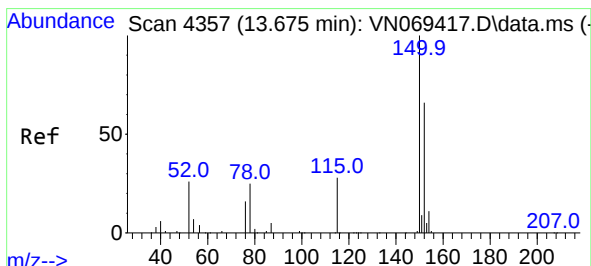
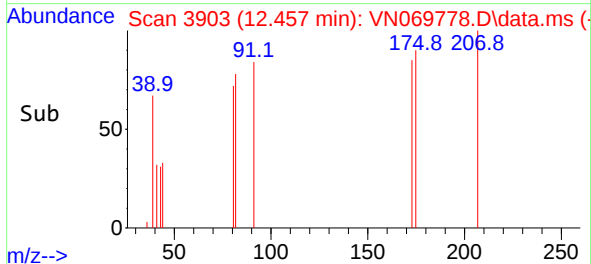
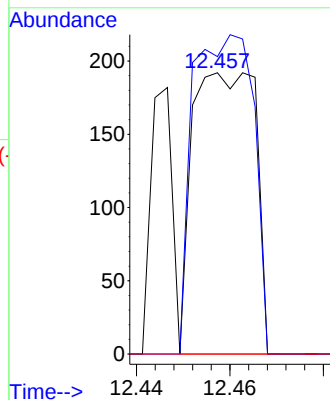
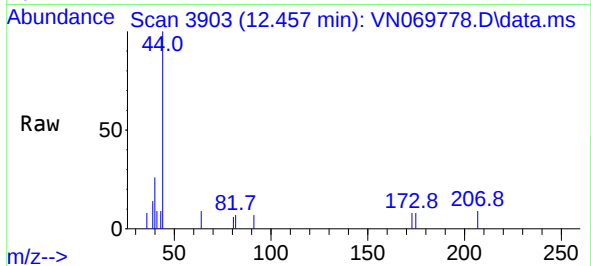




#71
Bromoform
Concen: 2.743 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

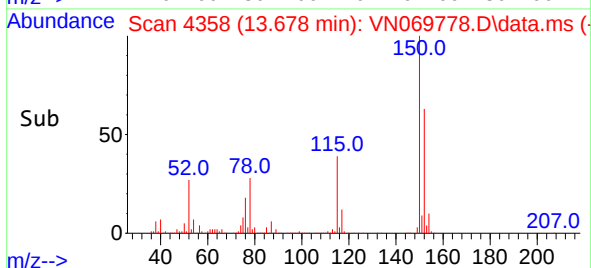
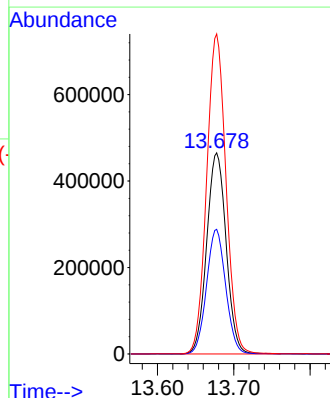
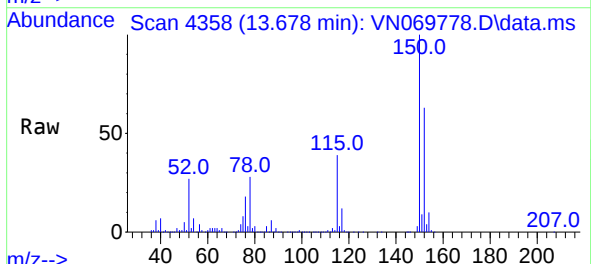
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

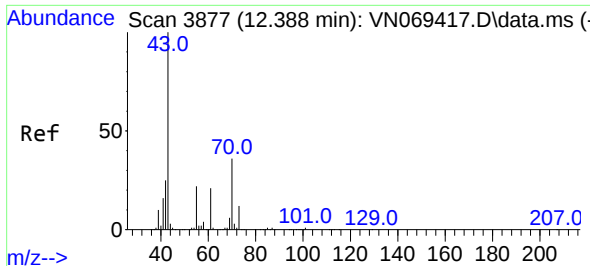
Tgt Ion:173 Resp: 179
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion:152 Resp: 823510
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 157.7 0.0 344.4

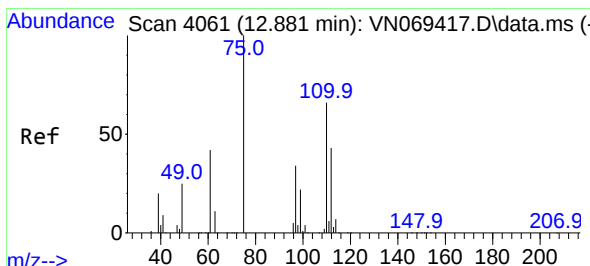
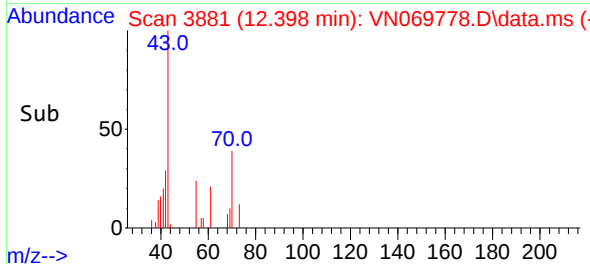
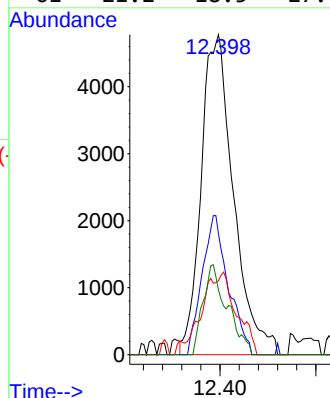
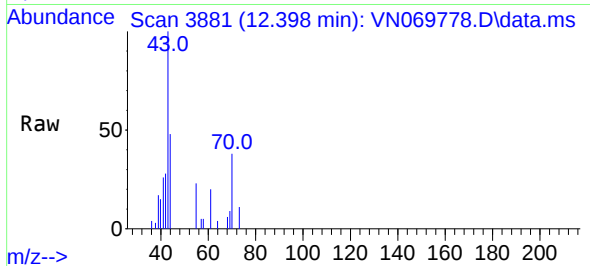




#74
N-amy1 acetate
Concen: 0.345 ug/l
RT: 12.398 min Scan# 3877
Delta R.T. 0.011 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

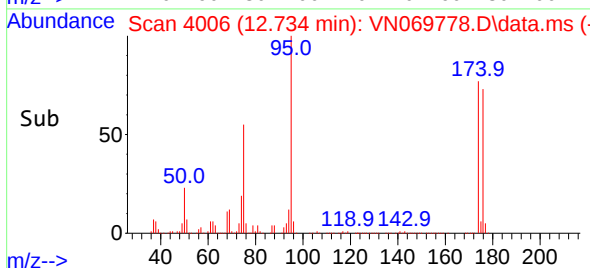
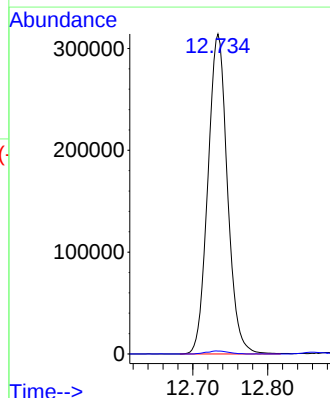
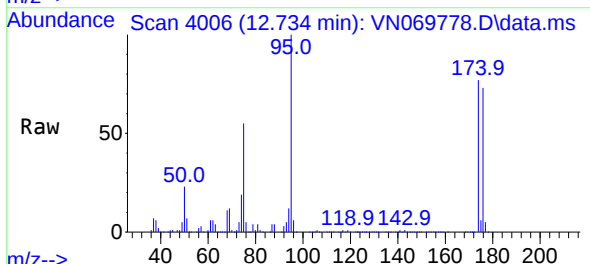
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

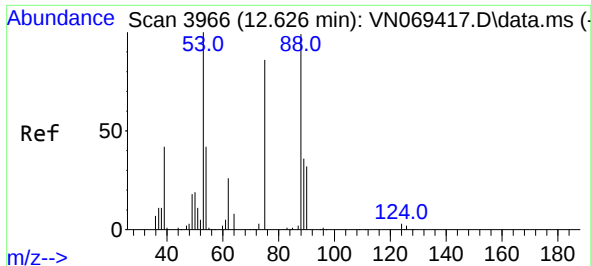
Tgt Ion:	43	Resp:	11185
Ion	Ratio	Lower	Upper
43	100		
70	35.4	33.4	50.0
55	7.6	19.3	28.9#
61	21.2	18.5	27.7



#76
1,2,3-Trichloropropane
Concen: 24.146 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion:	75	Resp:	570246
Ion	Ratio	Lower	Upper
75	100		
77	1.0	82.6	247.8#

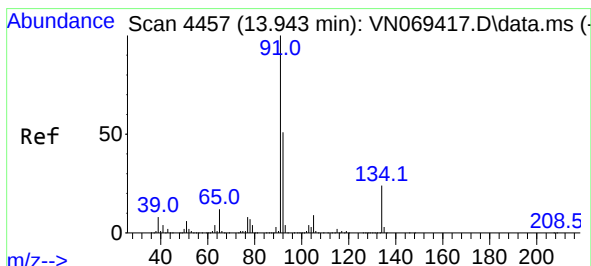
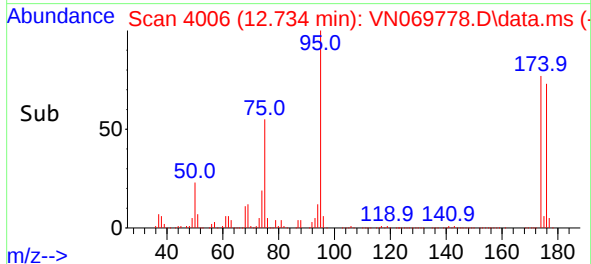
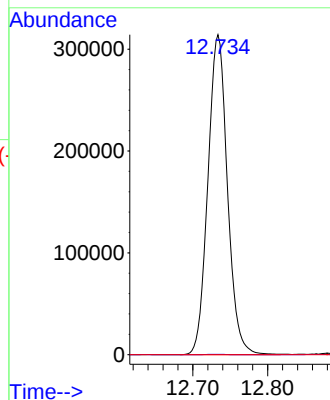
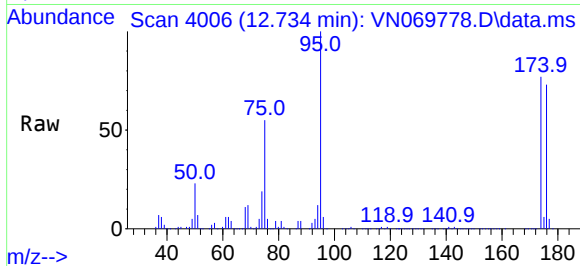




#81
trans-1,4-Dichloro-2-butene
Concen: 76.670 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

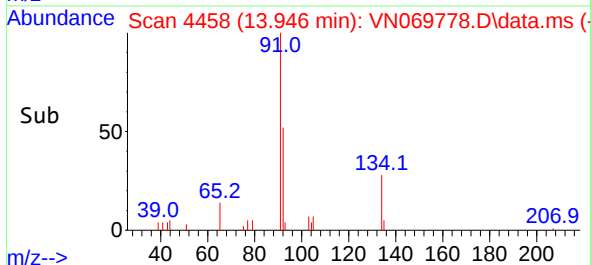
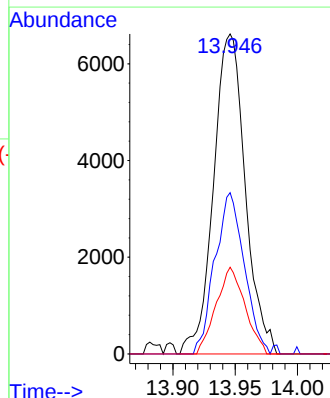
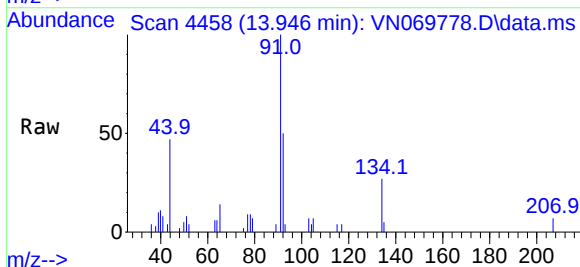
Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

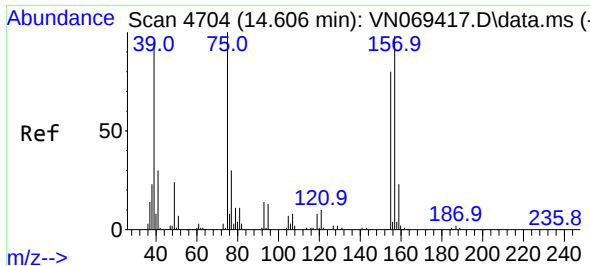
Tgt Ion: 75 Resp: 570246
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion: 91 Resp: 11723
Ion Ratio Lower Upper
91 100
92 46.6 25.4 76.0
134 24.7 13.6 40.8

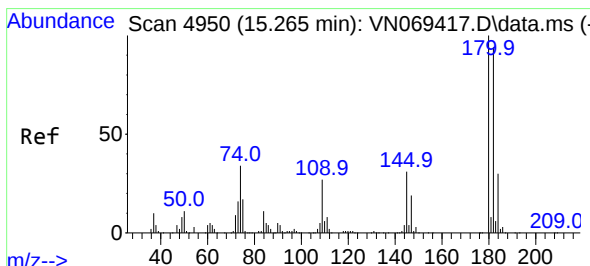
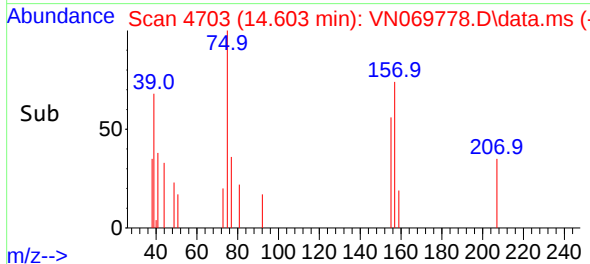
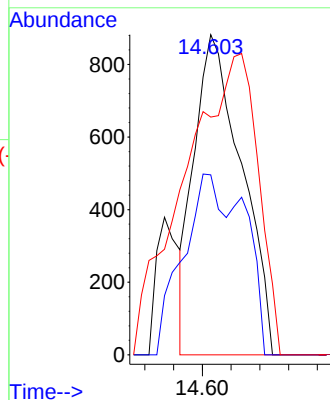
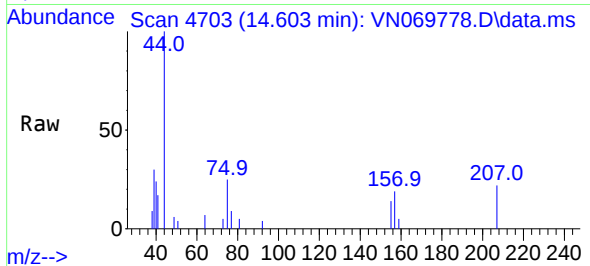




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.221 ug/l
 RT: 14.603 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN069778.D
 Acq: 6 Dec 2021 12:07

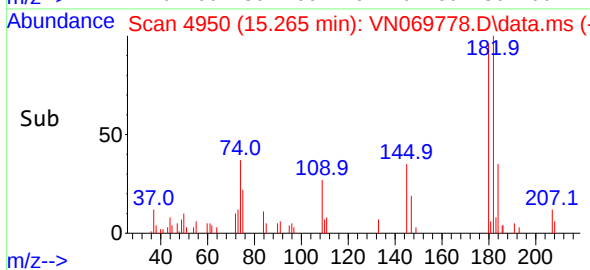
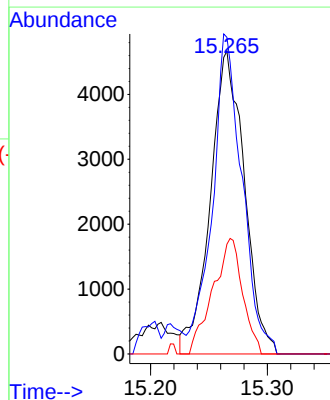
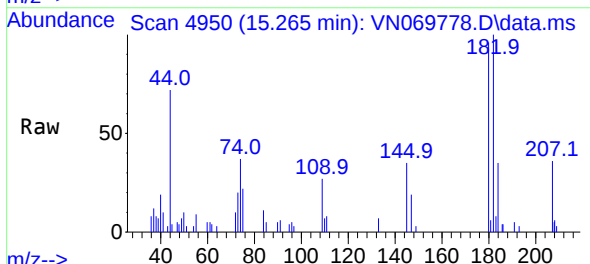
Instrument :
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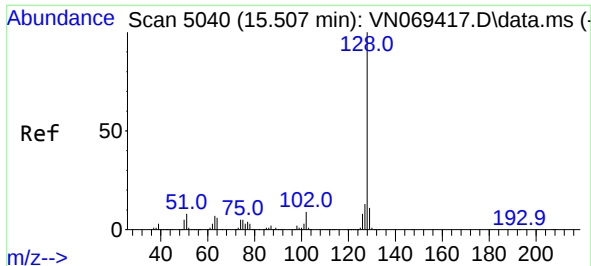
Tgt Ion: 75 Resp: 1010
 Ion Ratio Lower Upper
 75 100
 155 49.1 46.9 140.7
 157 145.6 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 3.535 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069778.D
 Acq: 6 Dec 2021 12:07

Tgt Ion: 180 Resp: 9426
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.3 144.9
 145 33.3 14.5 43.5

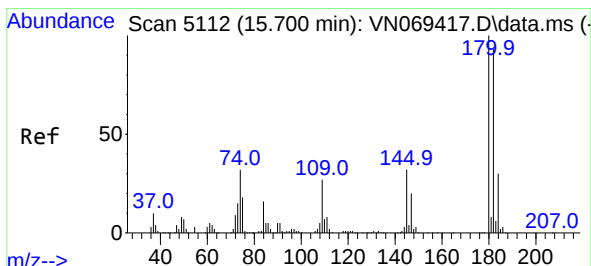
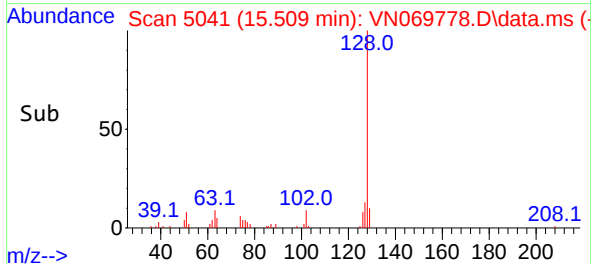
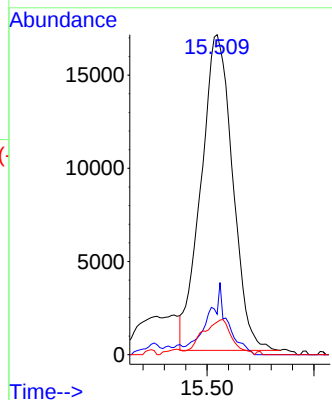
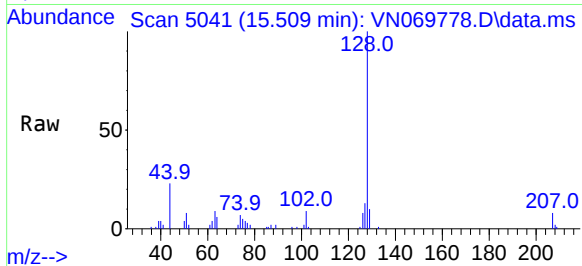




#95
Naphthalene
Concen: 4.783 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN1206MBL01

Tgt Ion:	128	Resp:	34870
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.5	15.7
129	10.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.257 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069778.D
Acq: 6 Dec 2021 12:07

Tgt Ion:	180	Resp:	11372
Ion Ratio	Lower	Upper	
180	100		
182	93.3	47.4	142.2
145	34.3	15.0	45.1

