

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069795.D
 Acq On : 6 Dec 2021 20:10
 Operator : JC/MD
 Sample : PB141160ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 03:50:40 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	8.088	168	1311027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2360657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2509023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	971931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	983482	48.586	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.180%		
35) Dibromofluoromethane	8.024	113	680911	46.049	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.100%		
50) Toluene-d8	10.443	98	3052382	51.410	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.820%		
62) 4-Bromofluorobenzene	12.733	95	1167391	54.273	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3984	0.208	ug/l #	81
8) Diethyl Ether	3.827	74	13569	1.524	ug/l	77
11) Tert butyl alcohol	5.396	59	10367	2.709	ug/l	97
13) Acrolein	4.052	56	1188	0.365	ug/l #	54
16) Acetone	4.293	43	209982	17.245	ug/l	95
18) Methyl Acetate	4.873	43	37657	1.025	ug/l	90
20) Methylene Chloride	5.092	84	77044	4.759	ug/l	89
25) 2-Butanone	7.345	43	92781	5.608	ug/l	97
29) Tetrahydrofuran	7.710	42	7493	0.746	ug/l #	69
31) Cyclohexane	8.083	56	33988	1.207	ug/l #	38
36) 1,1-Dichloropropene	8.086	75	110849	4.933	ug/l #	49
37) Ethyl Acetate	7.345	43	92781	2.774	ug/l #	68
38) Carbon Tetrachloride	8.086	117	135514	6.149	ug/l #	16
43) Isopropyl Acetate	8.568	43	159743	3.227	ug/l #	82
45) 1,2-Dichloropropane	9.628	63	8502	0.461	ug/l #	44
48) Methyl methacrylate	9.545	41	41634	1.802	ug/l #	8
51) 4-Methyl-2-Pentanone	10.333	43	26330	0.820	ug/l	96
53) t-1,3-Dichloropropene	10.719	75	26	2.795	ug/l #	72
54) cis-1,3-Dichloropropene	10.245	75	175877	7.838	ug/l #	71
56) Ethyl methacrylate	10.700	69	1019	2.310	ug/l #	24
57) 1,3-Dichloropropane	11.092	76	106608	3.578	ug/l #	43
59) 2-Hexanone	11.092	43	1906479	78.487	ug/l #	49
60) Dibromochloromethane	11.492	129	807	2.419	ug/l #	11
71) Bromoform	12.728	173	2923	2.911	ug/l #	1
74) N-amyl acetate	12.358	43	12163	0.318	ug/l #	43
76) 1,2,3-Trichloropropane	12.733	75	655141	23.505	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	655141	74.741	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	382	2.900	ug/l #	7
95) Naphthalene	15.501	128	3719	4.057	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.700	180	454	2.463	ug/l #	70

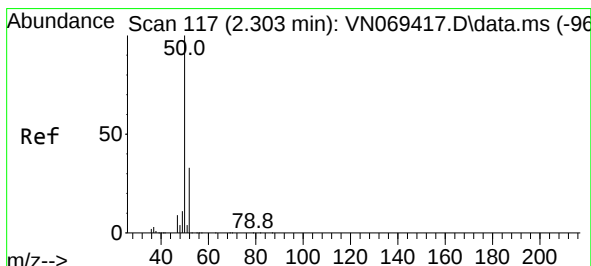
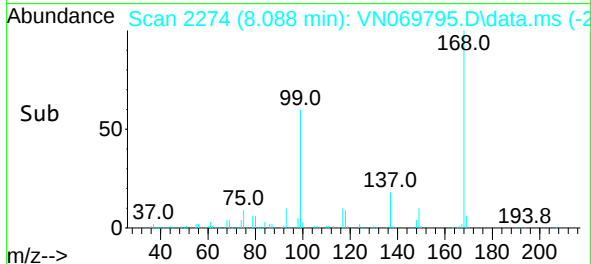
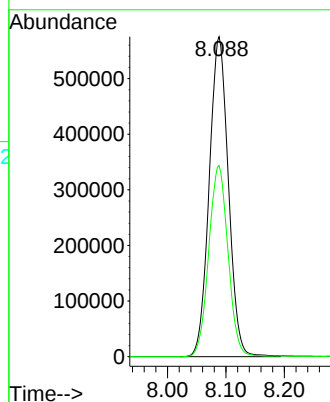
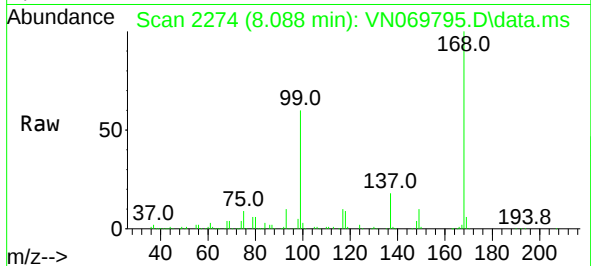
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

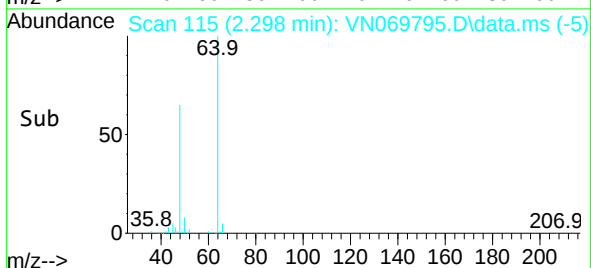
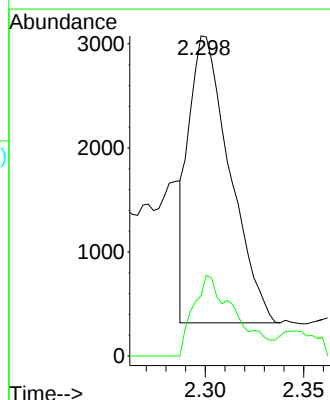
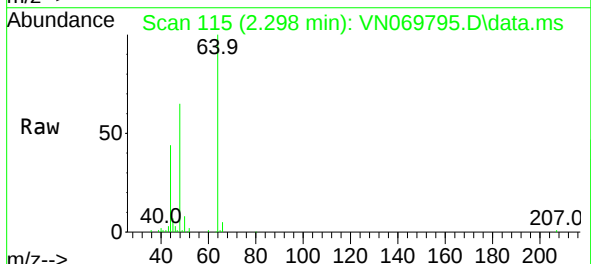
Instrument :
MSVOA_N
ClientSampleId :

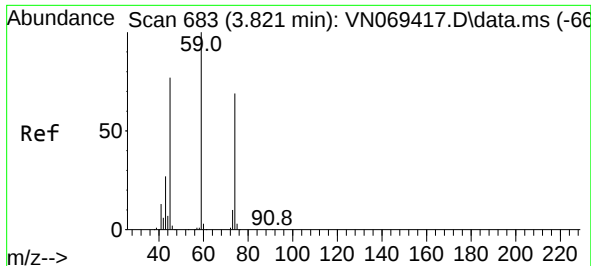
Tgt Ion:168 Resp: 1311027
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Tgt Ion: 50 Resp: 3984
Ion Ratio Lower Upper
50 100
52 21.0 25.4 38.0#

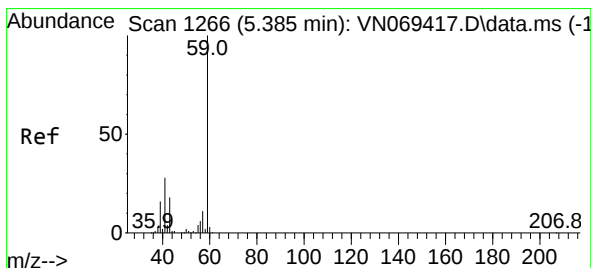
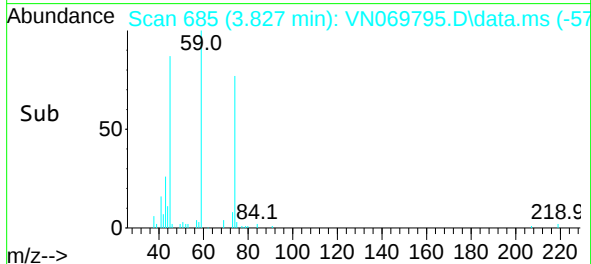
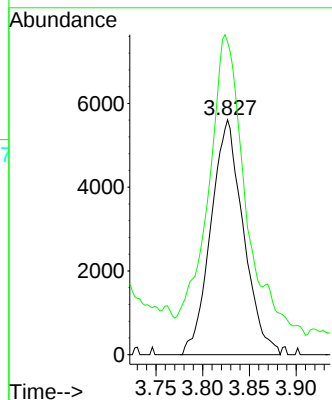
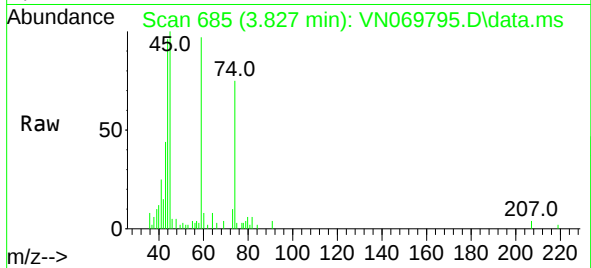




#8
Diethyl Ether
Concen: 1.524 ug/l
RT: 3.827 min Scan# 61
Delta R.T. 0.005 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

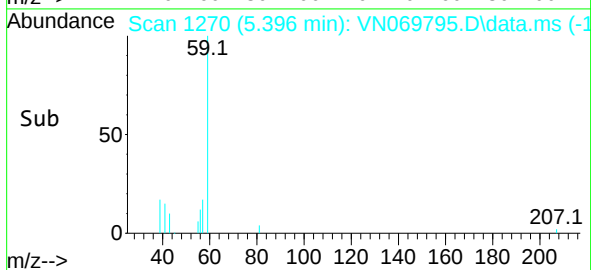
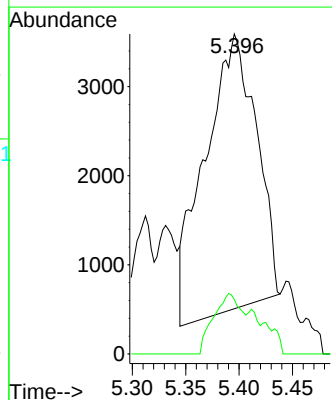
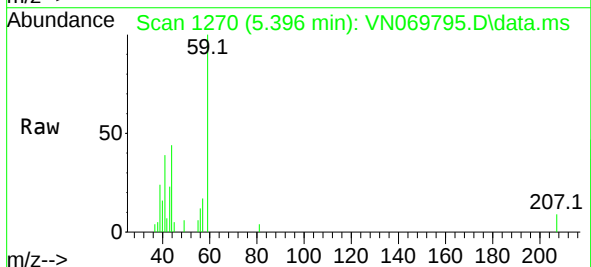
Instrument :
MSVOA_N
ClientSampleId :

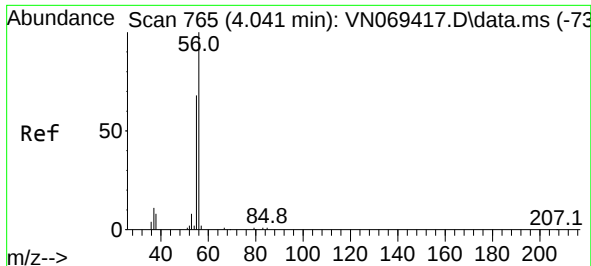
Tgt Ion: 74 Resp: 13569
Ion Ratio Lower Upper
74 100
45 116.0 47.0 141.2



#11
Tert butyl alcohol
Concen: 2.709 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.005 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

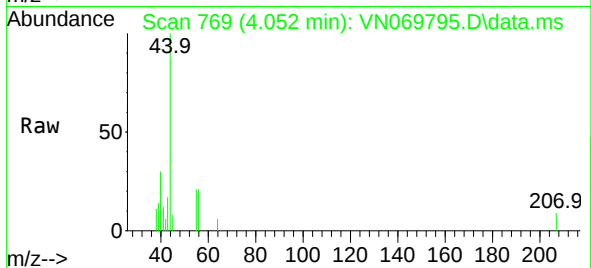
Tgt Ion: 59 Resp: 10367
Ion Ratio Lower Upper
59 100
57 12.0 8.7 13.1



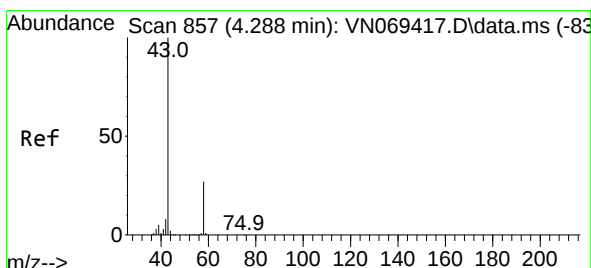
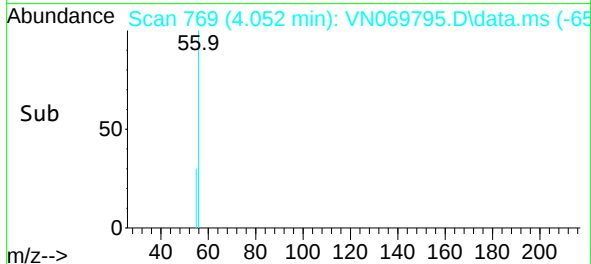
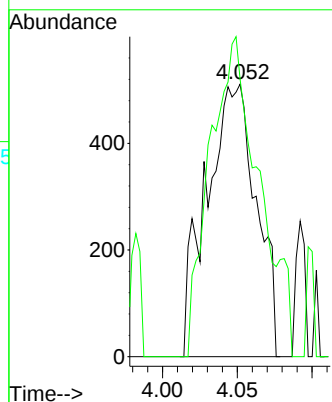


#13
Acrolein
Concen: 0.365 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :

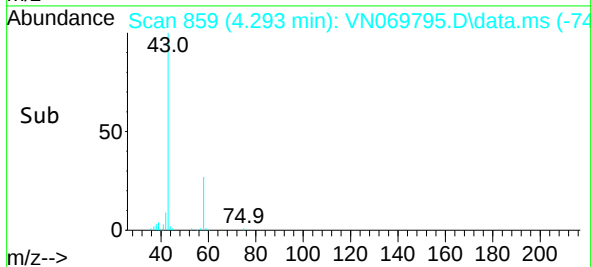
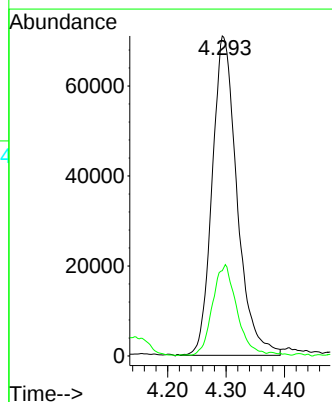
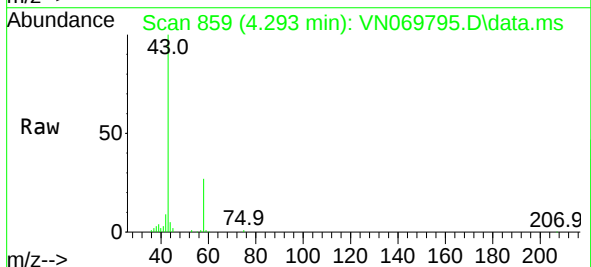


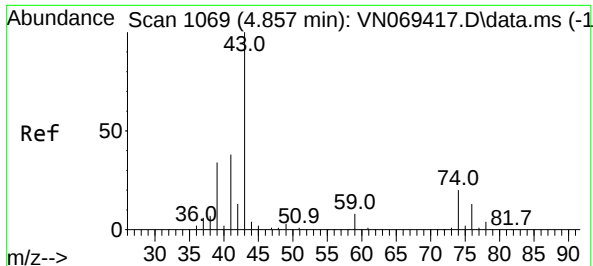
Tgt Ion: 56 Resp: 1188
Ion Ratio Lower Upper
56 100
55 108.9 56.6 85.0#



#16
Acetone
Concen: 17.245 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Tgt Ion: 43 Resp: 209982
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7





#18

Methyl Acetate

Concen: 1.025 ug/l

RT: 4.873 min Scan# 1069

Delta R.T. 0.016 min

Lab File: VN069795.D

Acq: 6 Dec 2021 20:10

Instrument :

MSVOA_N

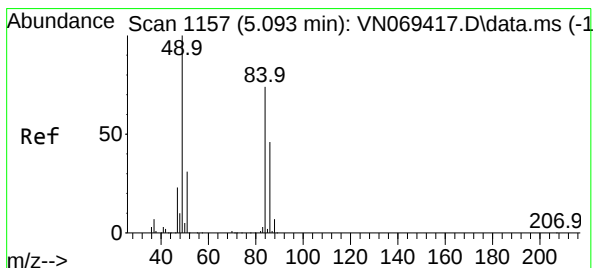
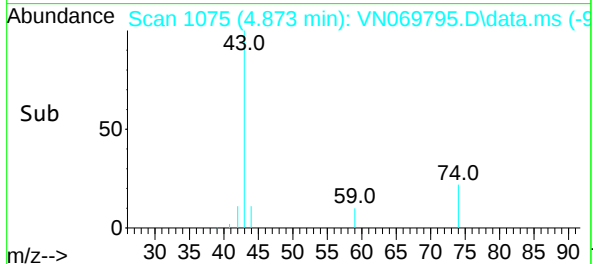
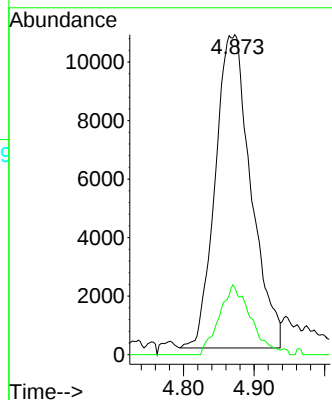
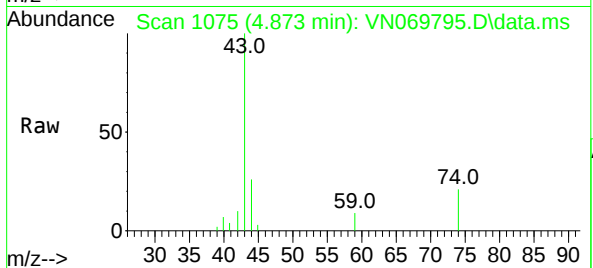
ClientSampleId :

Tgt Ion: 43 Resp: 37657

Ion Ratio Lower Upper

43 100

74 19.5 19.4 29.2



#20

Methylene Chloride

Concen: 4.759 ug/l

RT: 5.092 min Scan# 1157

Delta R.T. 0.000 min

Lab File: VN069795.D

Acq: 6 Dec 2021 20:10

Tgt Ion: 84 Resp: 77044

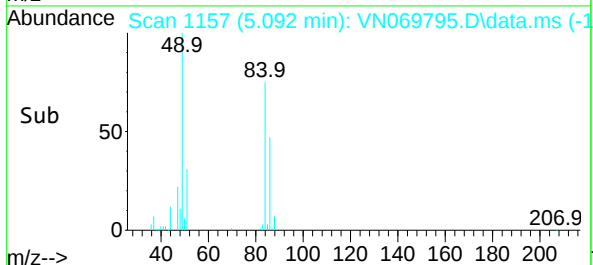
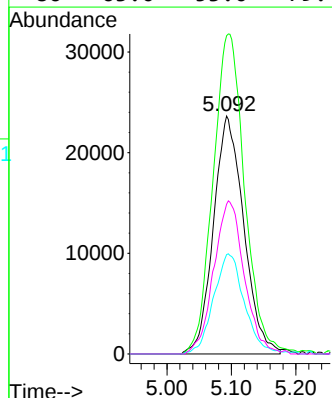
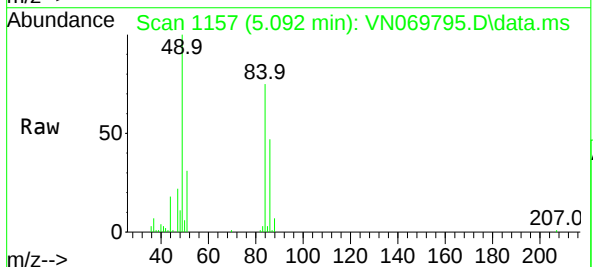
Ion Ratio Lower Upper

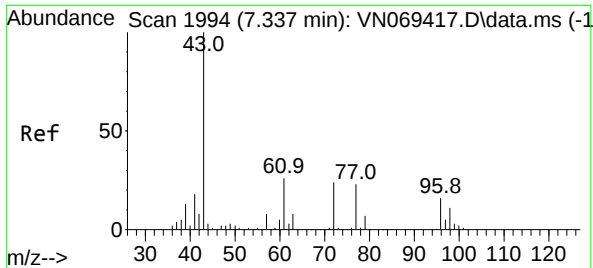
84 100

49 133.8 93.5 140.3

51 41.8 29.4 44.2

86 63.0 53.0 79.4





#25

2-Butanone

Concen: 5.608 ug/l

RT: 7.345 min Scan# 1994

Delta R.T. 0.008 min

Lab File: VN069795.D

Acq: 6 Dec 2021 20:10

Instrument :

MSVOA_N

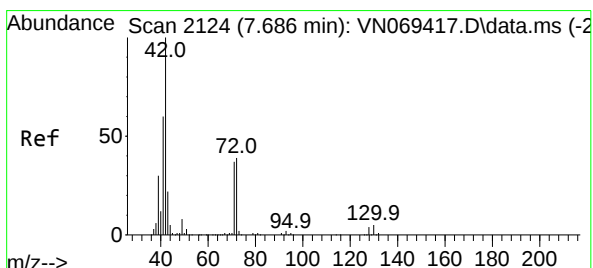
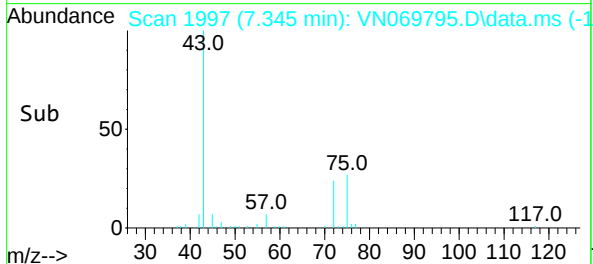
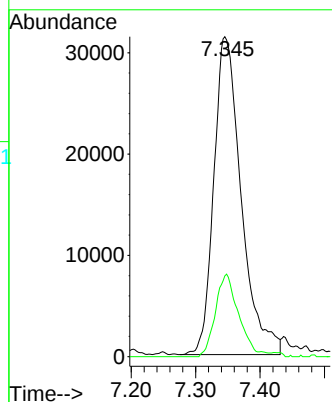
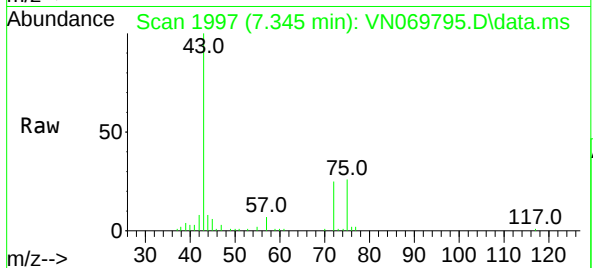
ClientSampleId :

Tgt Ion: 43 Resp: 92781

Ion Ratio Lower Upper

43 100

72 25.4 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.746 ug/l

RT: 7.710 min Scan# 2133

Delta R.T. 0.024 min

Lab File: VN069795.D

Acq: 6 Dec 2021 20:10

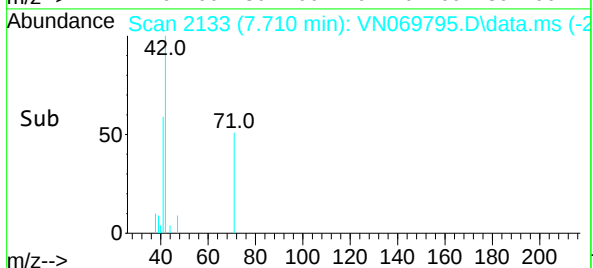
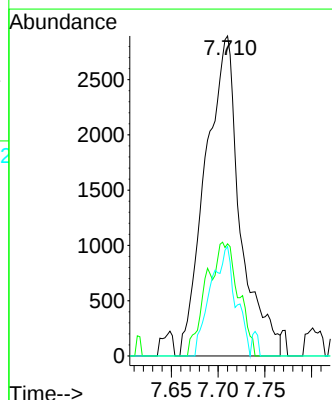
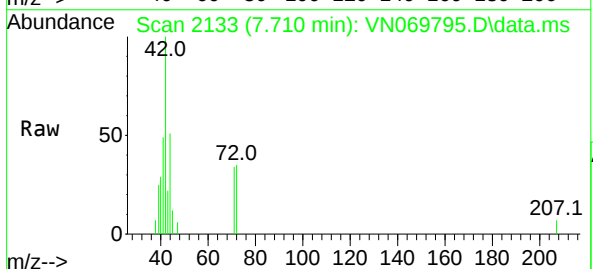
Tgt Ion: 42 Resp: 7493

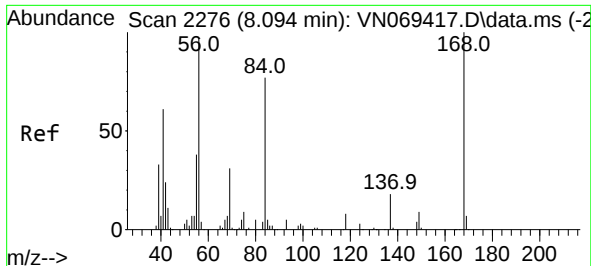
Ion Ratio Lower Upper

42 100

72 23.0 36.3 54.5#

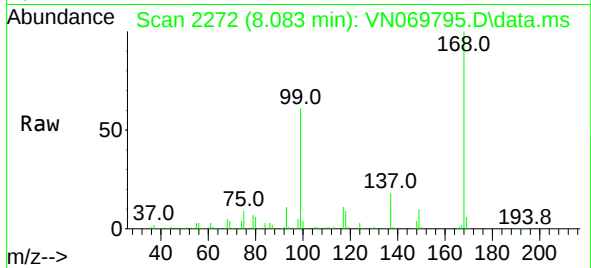
71 25.0 34.7 52.1#



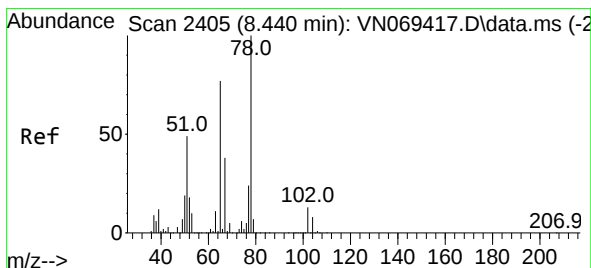
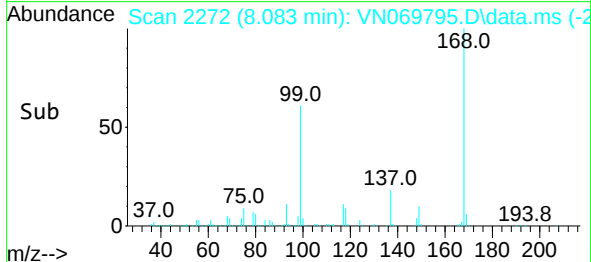
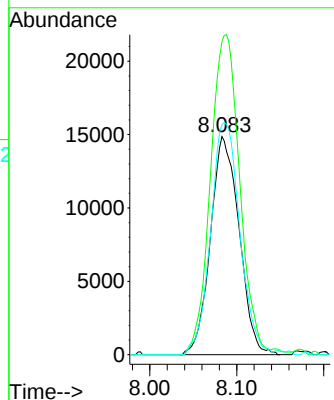


#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :

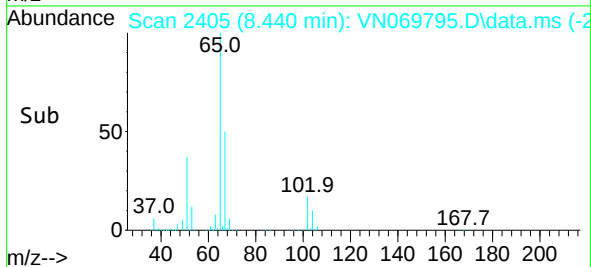
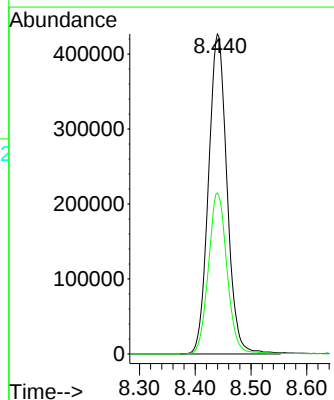
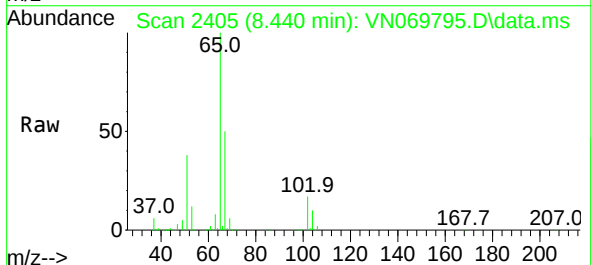


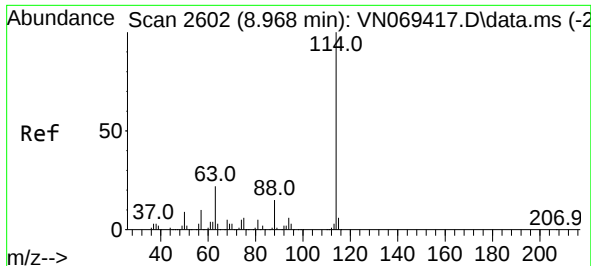
Tgt Ion: 56 Resp: 33988
Ion Ratio Lower Upper
56 100
69 143.6 27.1 40.7#
84 105.5 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 48.586 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

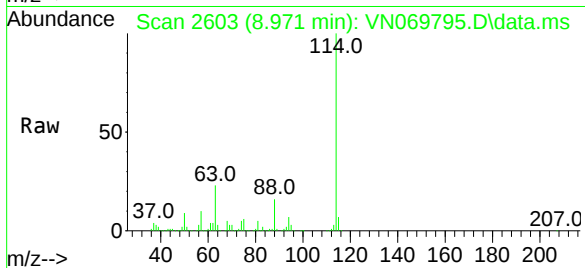
Tgt Ion: 65 Resp: 983482
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



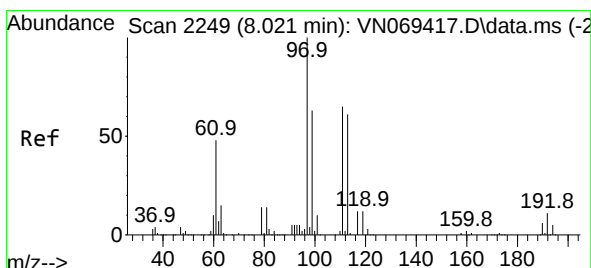
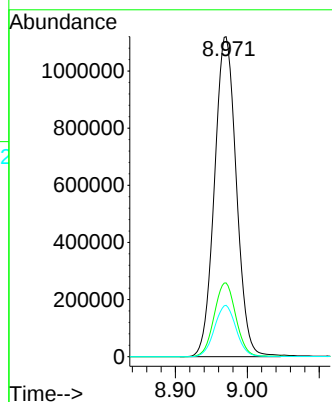
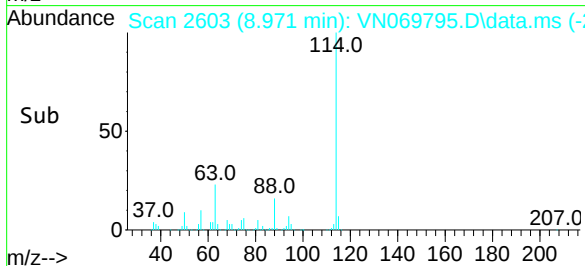


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2
Delta R.T. 0.003 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :

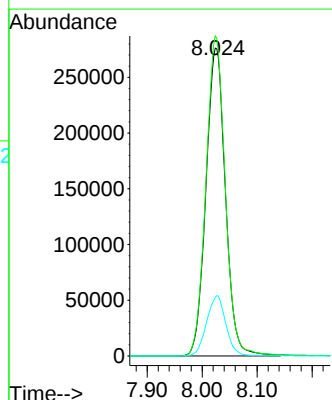
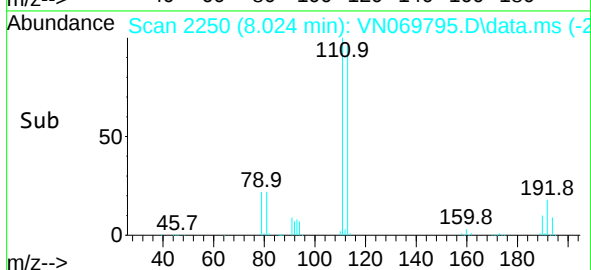
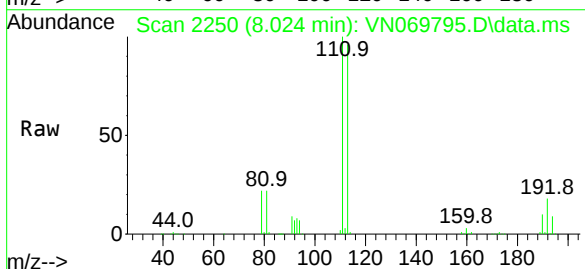


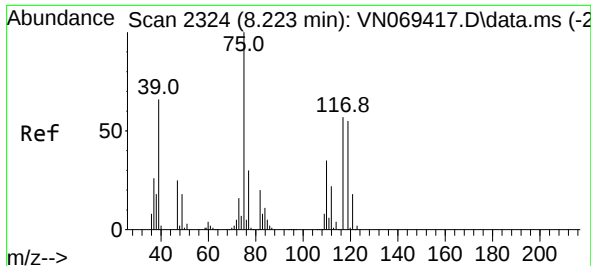
Tgt Ion:114 Resp: 2360657
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.049 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

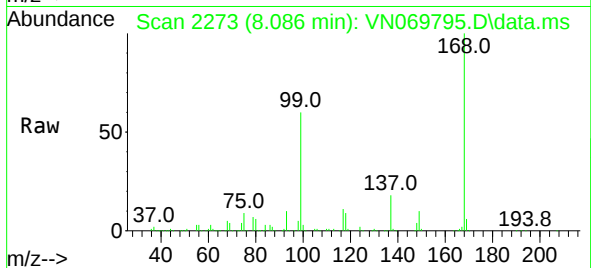
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Ion Ratio Lower Upper
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111 103.0 82.2 123.2
192 19.3 16.9 25.3



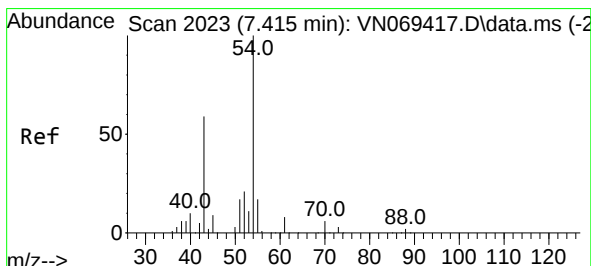
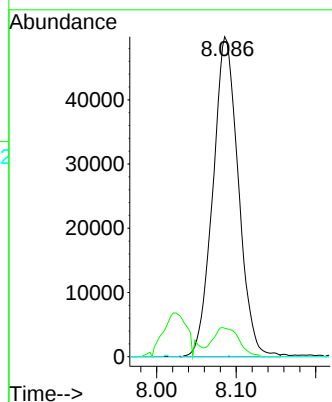
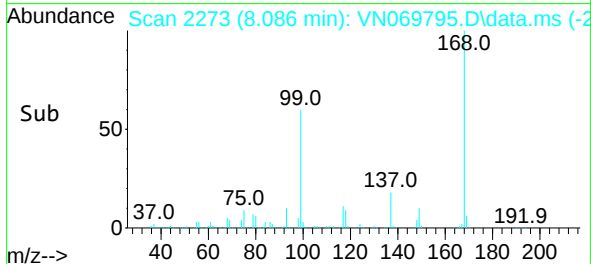


#36
 1,1-Dichloropropene
 Concen: 4.933 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN069795.D
 Acq: 6 Dec 2021 20:10

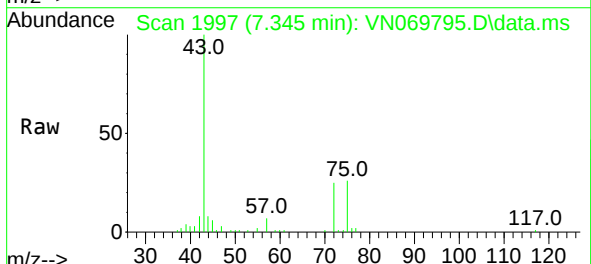
Instrument :
 MSVOA_N
 ClientSampleId :



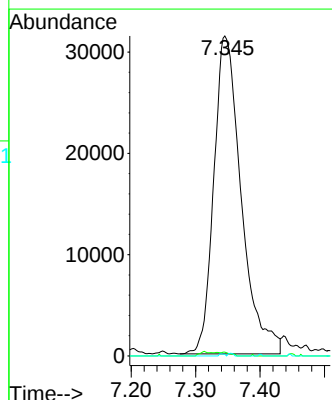
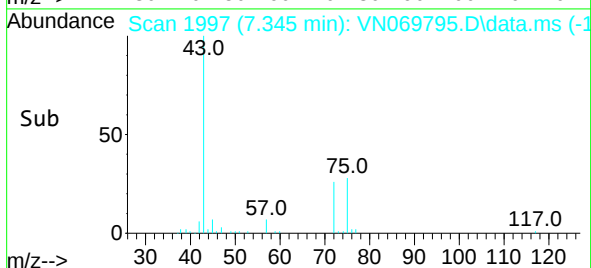
Tgt Ion: 75 Resp: 110849
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.4 55.2#
 77 0.0 24.4 36.6#

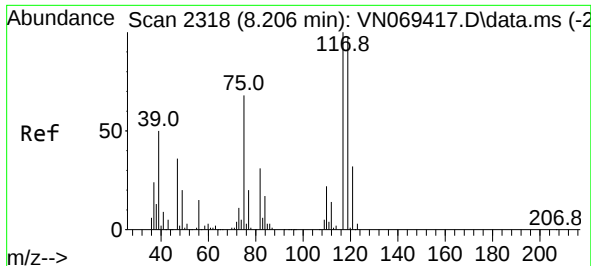


#37
 Ethyl Acetate
 Concen: 2.774 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.070 min
 Lab File: VN069795.D
 Acq: 6 Dec 2021 20:10



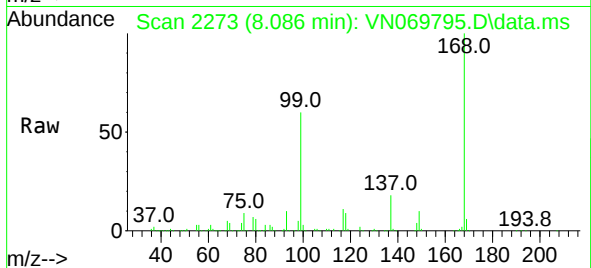
Tgt Ion: 43 Resp: 92781
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.1 7.9 11.9#



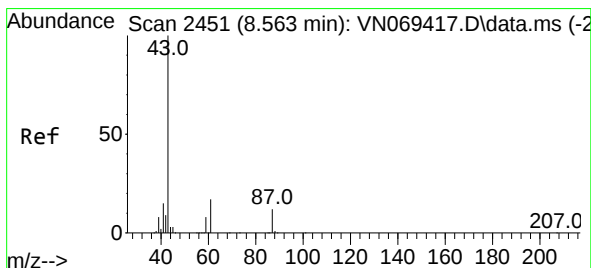
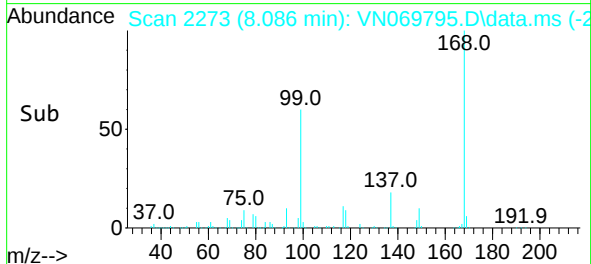
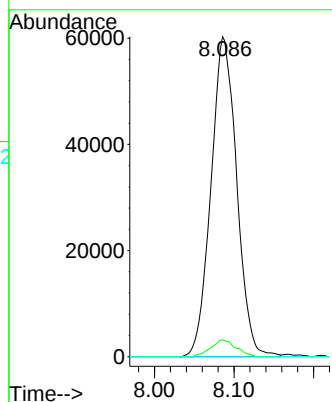


#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :

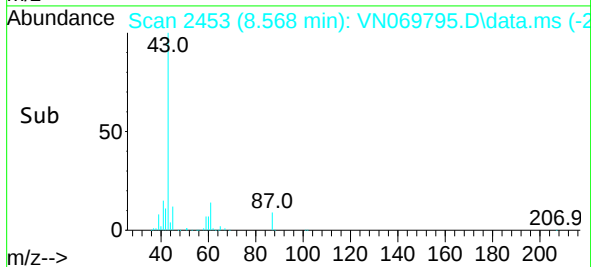
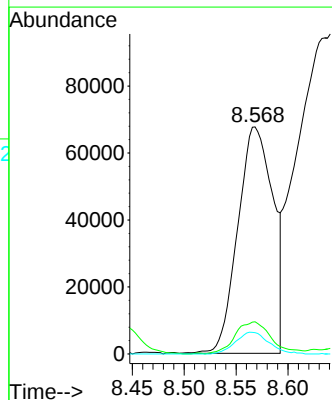
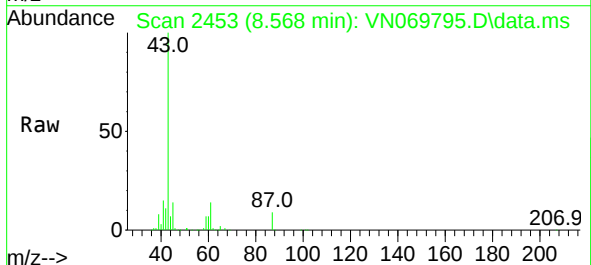


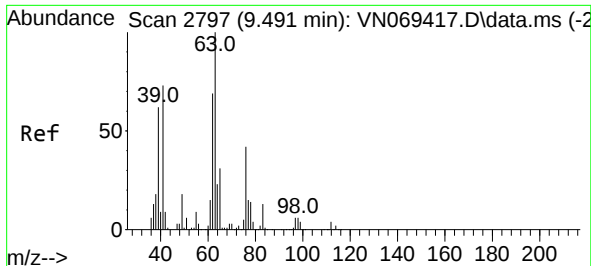
Tgt Ion:117 Resp: 135514
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.227 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.005 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Tgt Ion: 43 Resp: 159743
Ion Ratio Lower Upper
43 100
61 14.7 20.4 30.6#
87 9.1 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.461 ug/l

RT: 9.628 min Scan# 21

Delta R.T. 0.137 min

Lab File: VN069795.D

Acq: 6 Dec 2021 20:10

Instrument :

MSVOA_N

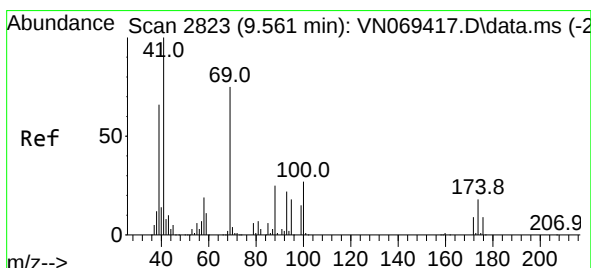
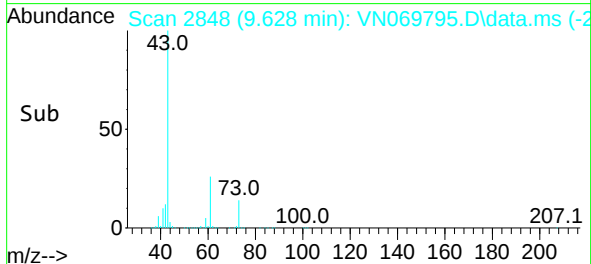
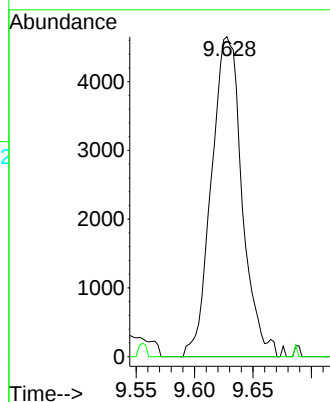
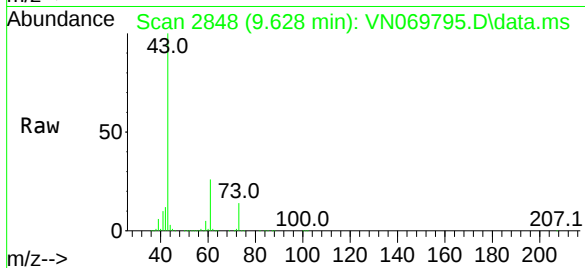
ClientSampleId :

Tgt Ion: 63 Resp: 8502

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.802 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN069795.D

Acq: 6 Dec 2021 20:10

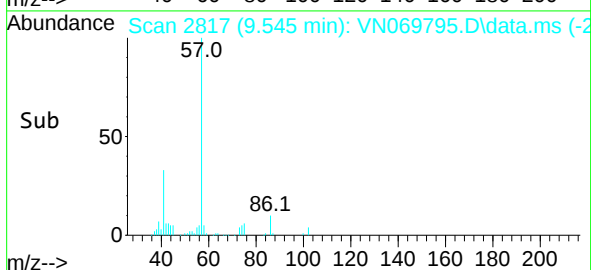
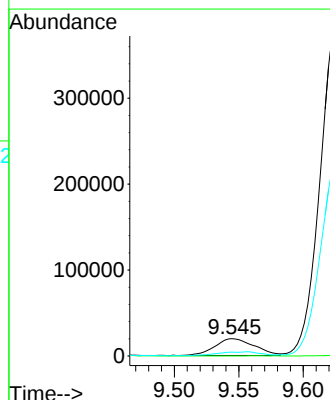
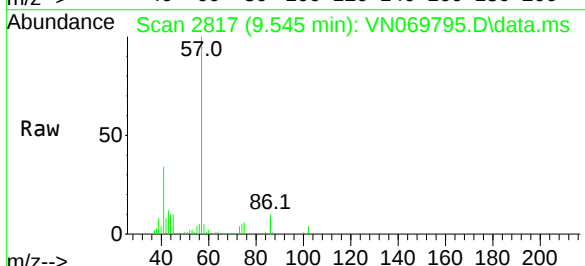
Tgt Ion: 41 Resp: 41634

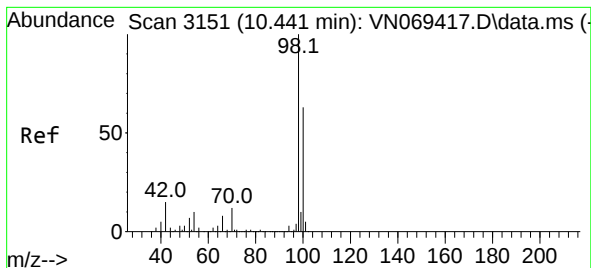
Ion Ratio Lower Upper

41 100

69 0.4 72.4 108.6#

39 0.0 58.4 87.6#





#50

Toluene-d8

Concen: 51.410 ug/l

RT: 10.443 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN069795.D

Acq: 6 Dec 2021 20:10

Instrument :

MSVOA_N

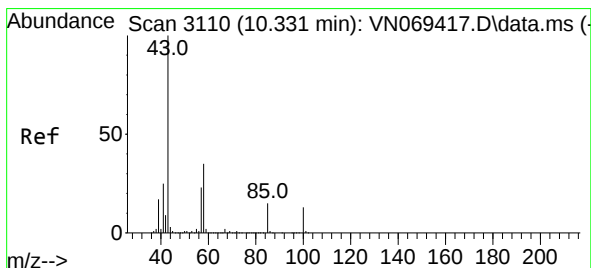
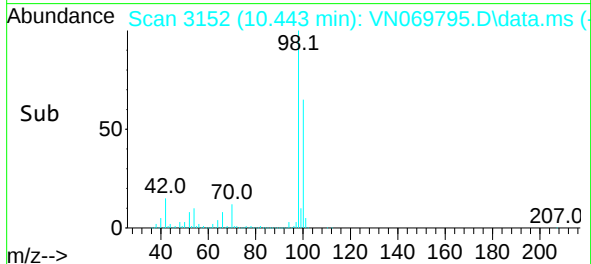
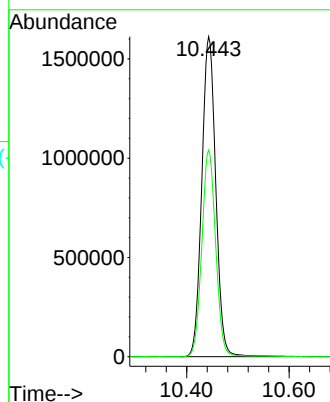
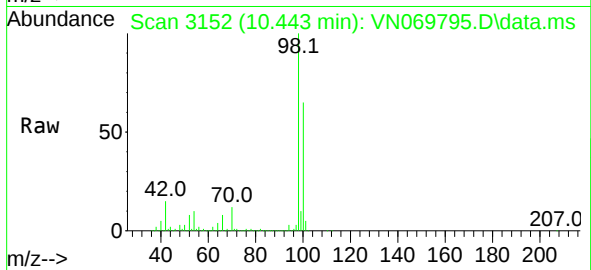
ClientSampleId :

Tgt Ion: 98 Resp: 3052382

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 0.820 ug/l

RT: 10.333 min Scan# 3111

Delta R.T. 0.000 min

Lab File: VN069795.D

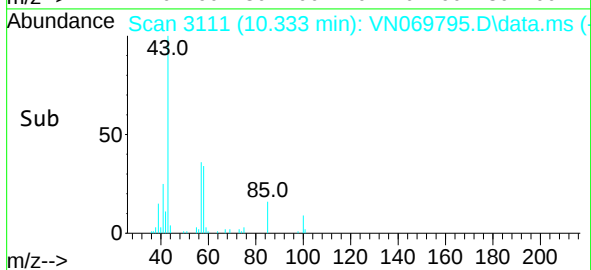
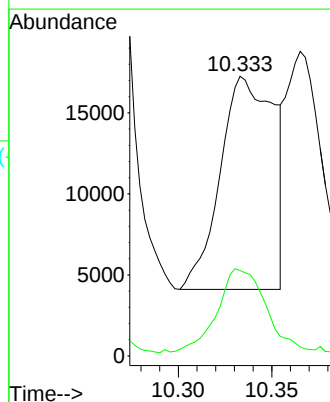
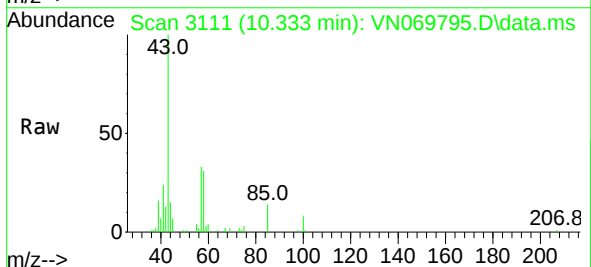
Acq: 6 Dec 2021 20:10

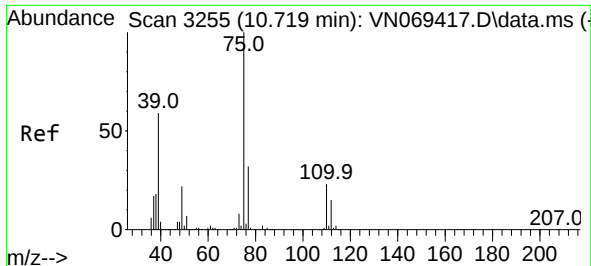
Tgt Ion: 43 Resp: 26330

Ion Ratio Lower Upper

43 100

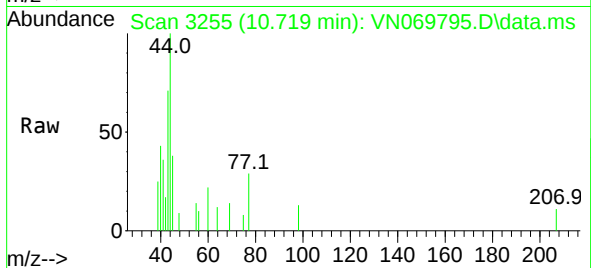
58 35.4 30.4 45.6



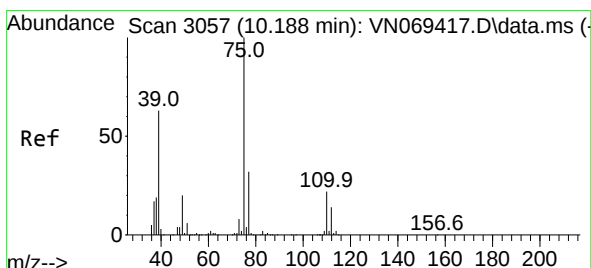
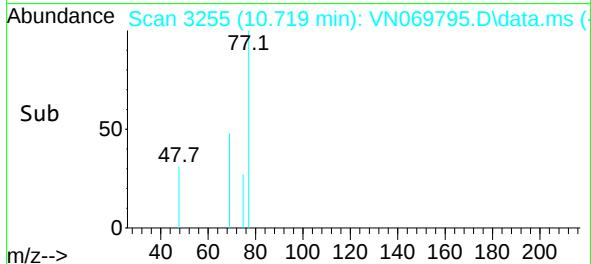
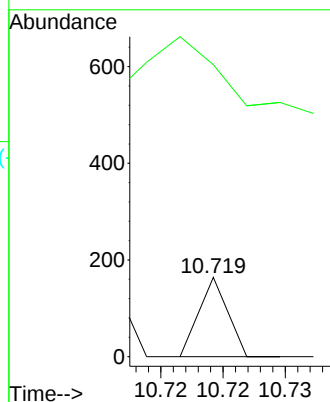


#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :

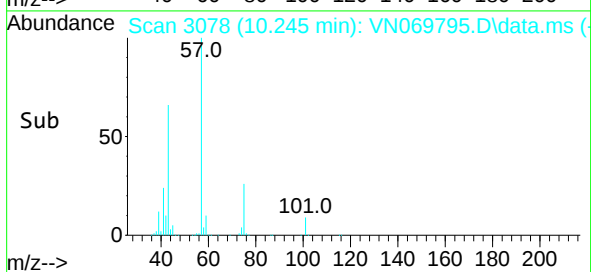
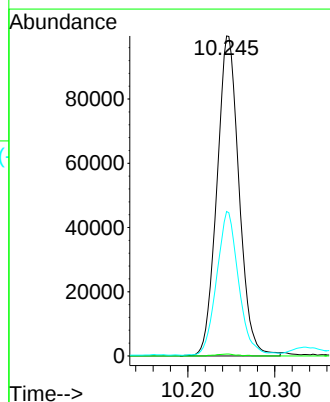
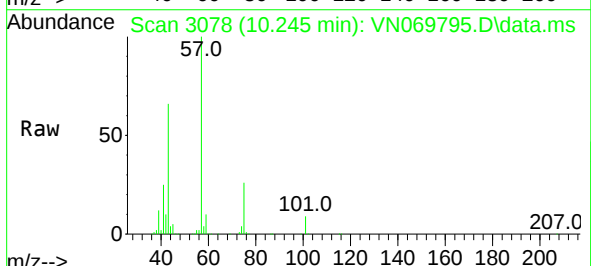


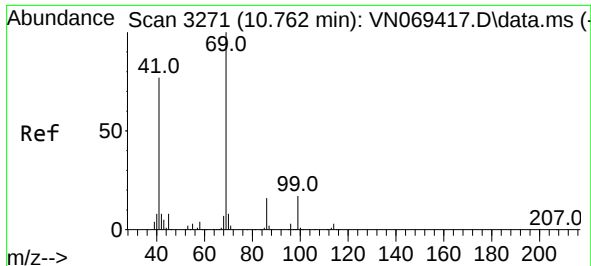
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 47.6 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 7.838 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Tgt Ion: 75 Resp: 175877
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 44.9 42.5 63.7

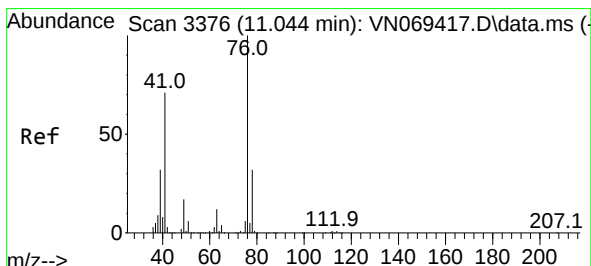
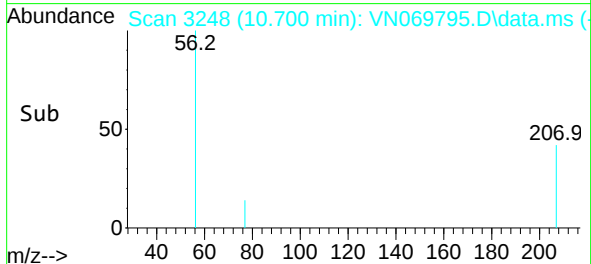
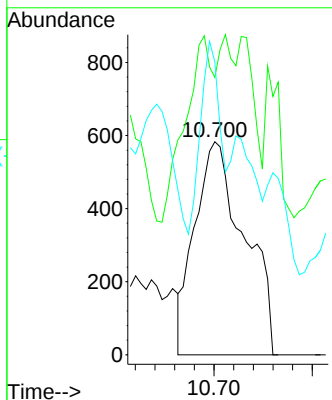
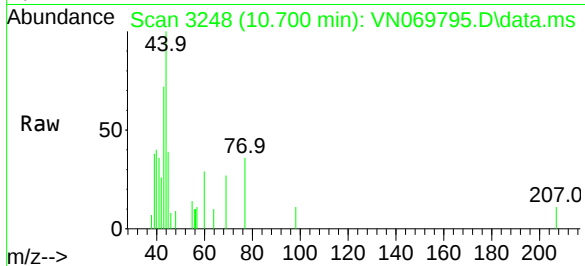




#56
Ethyl methacrylate
Concen: 2.310 ug/l
RT: 10.700 min Scan# 31
Delta R.T. -0.062 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

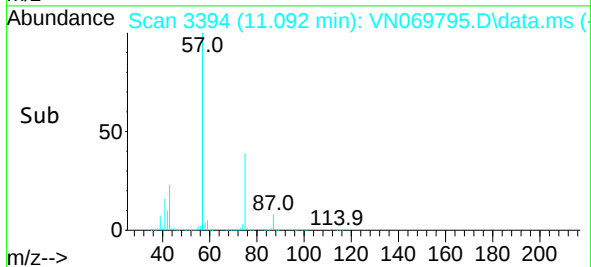
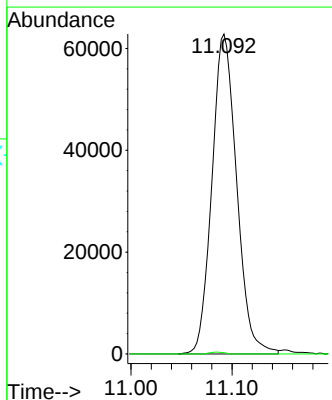
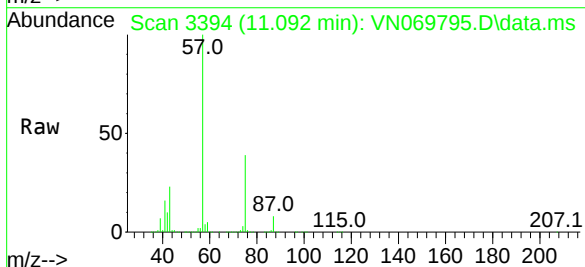
Instrument :
MSVOA_N
ClientSampleId :

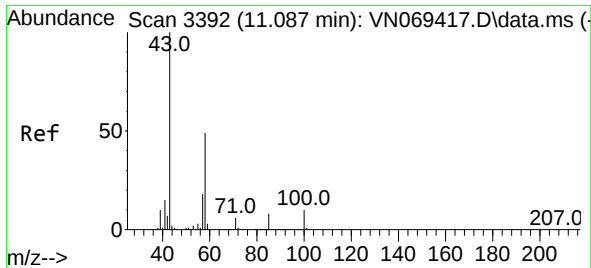
Tgt Ion: 69 Resp: 1019
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.578 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Tgt Ion: 76 Resp: 106608
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

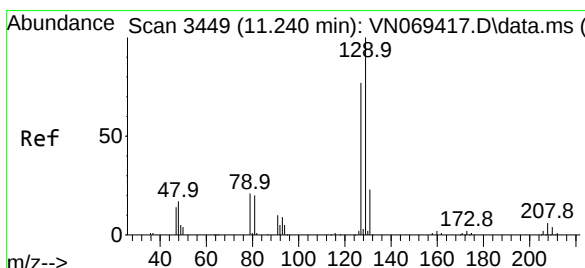
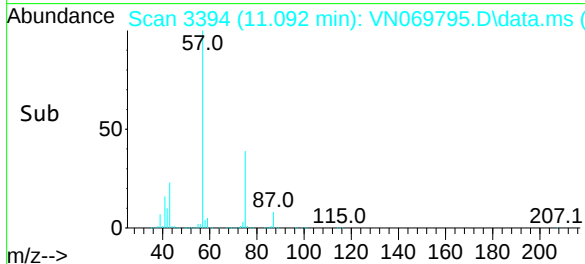
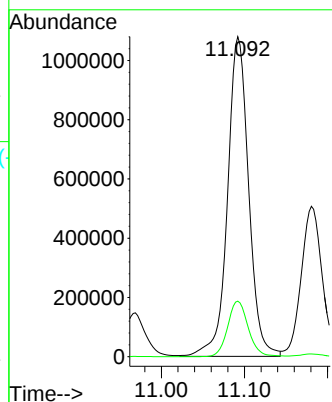
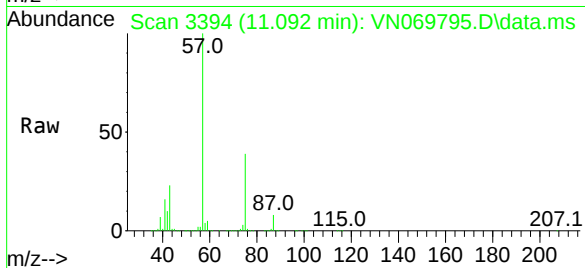




#59
2-Hexanone
Concen: 78.487 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

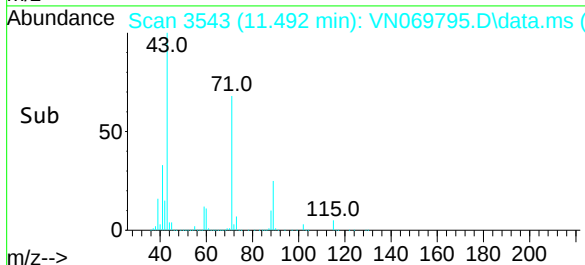
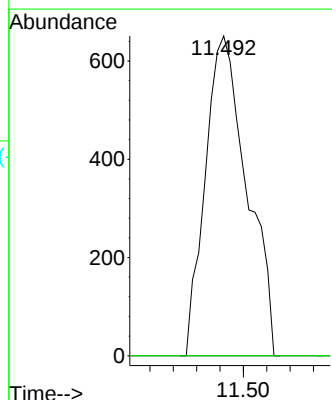
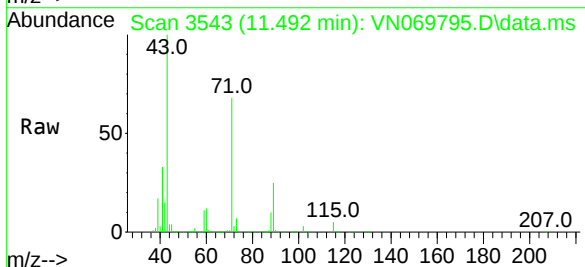
Instrument :
MSVOA_N
ClientSampleId :

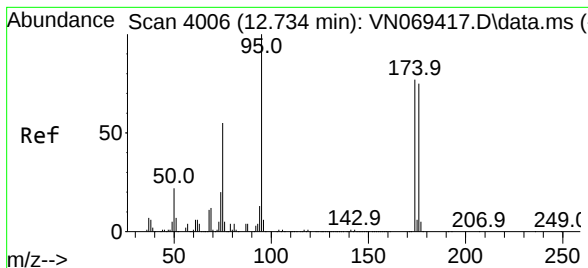
Tgt Ion: 43 Resp: 1906479
Ion Ratio Lower Upper
43 100
58 17.0 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.252 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Tgt Ion:129 Resp: 807
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



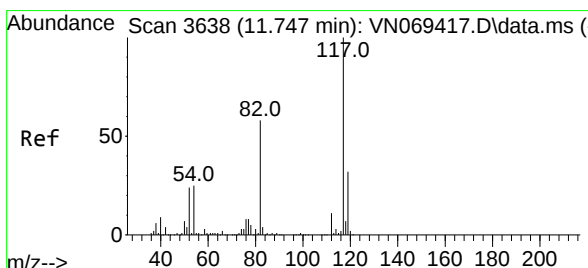
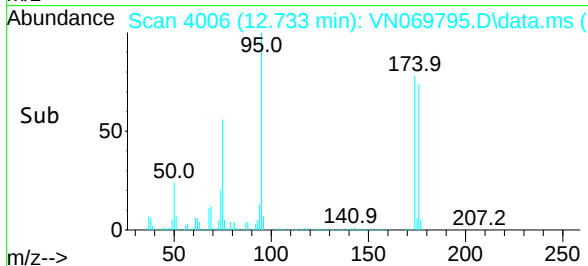
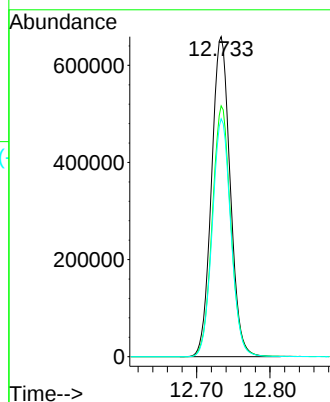
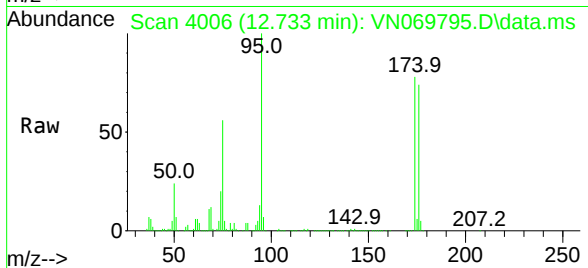


#62
4-Bromofluorobenzene
Concen: 54.273 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 1167391

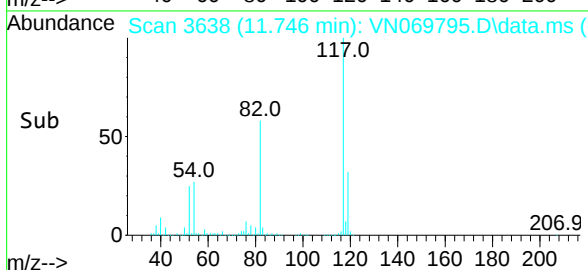
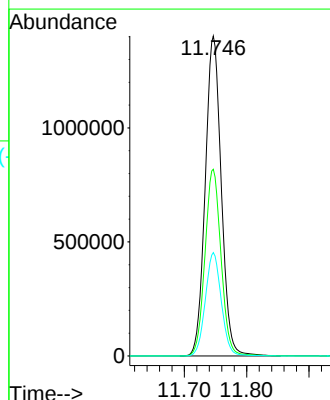
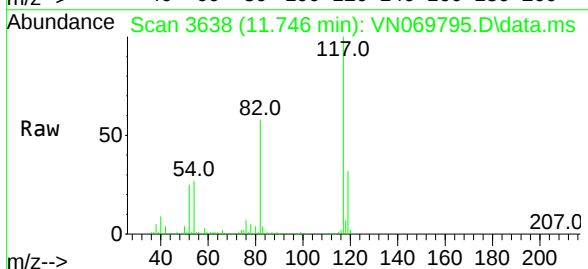
Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	187.2
176	74.0	0.0	181.4

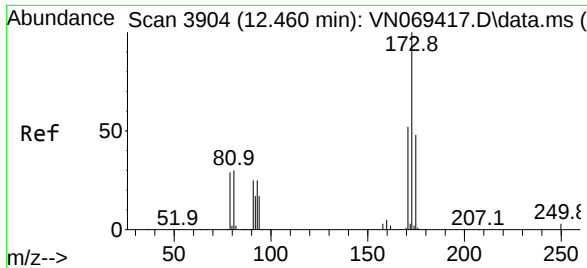


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Tgt Ion: 117 Resp: 2509023

Ion	Ratio	Lower	Upper
117	100		
82	58.3	42.4	63.6
119	32.3	25.4	38.2

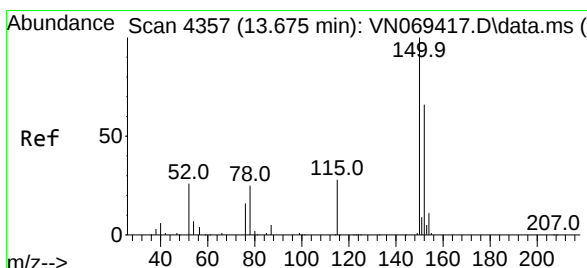
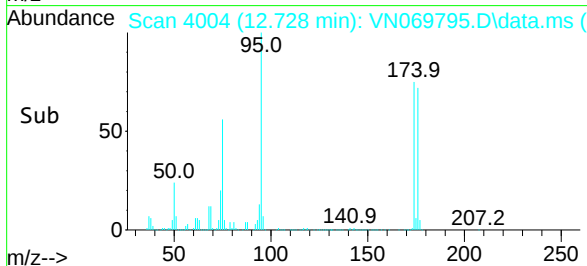
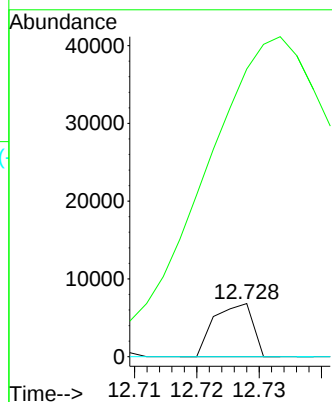
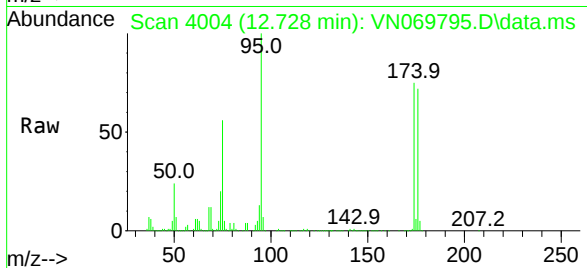




#71
Bromoform
Concen: 2.911 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

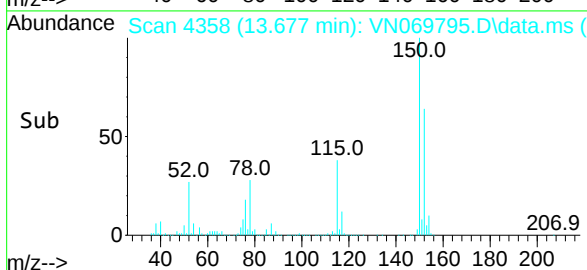
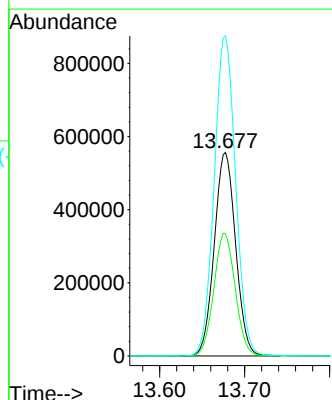
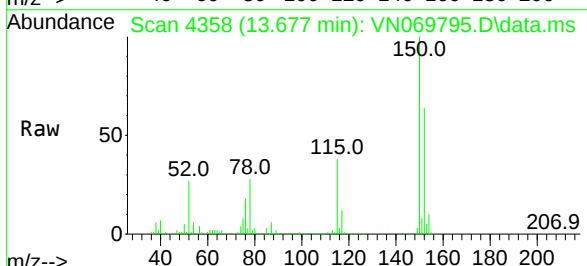
Instrument :
MSVOA_N
ClientSampleId :

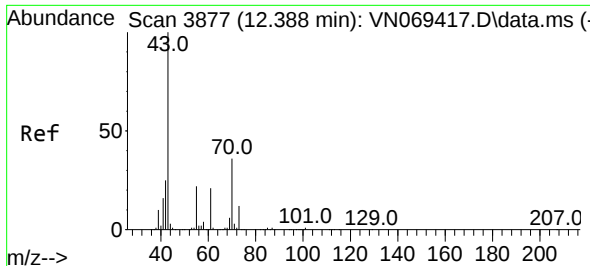
Tgt Ion:173 Resp: 2923
Ion Ratio Lower Upper
173 100
175 2217.9 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

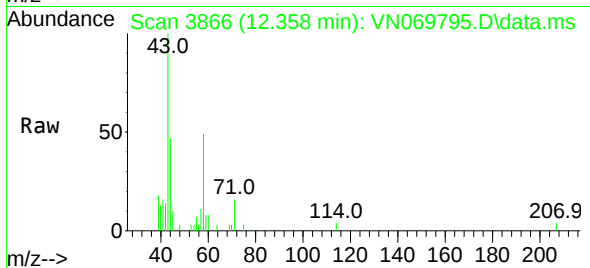
Tgt Ion:152 Resp: 971931
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.5
150 157.9 0.0 344.4



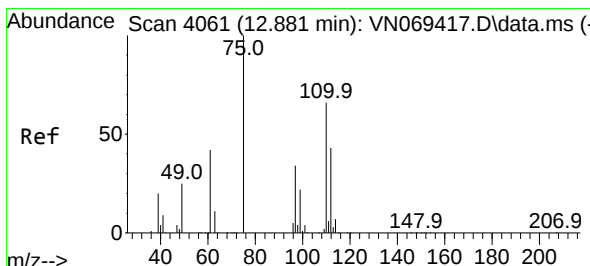
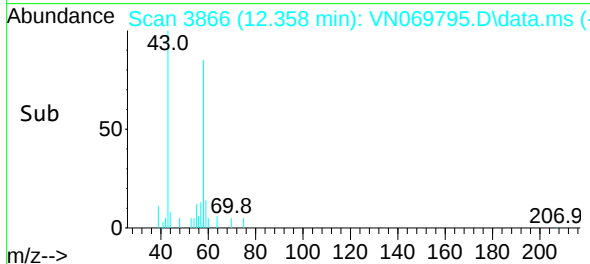
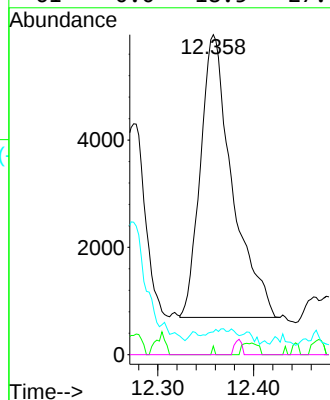


#74
N-amy1 acetate
Concen: 0.318 ug/l
RT: 12.358 min Scan# 3877
Delta R.T. -0.029 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

Instrument :
MSVOA_N
ClientSampleId :

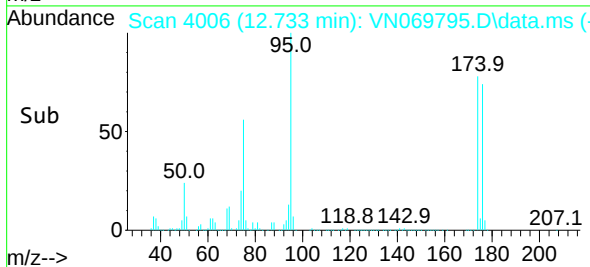
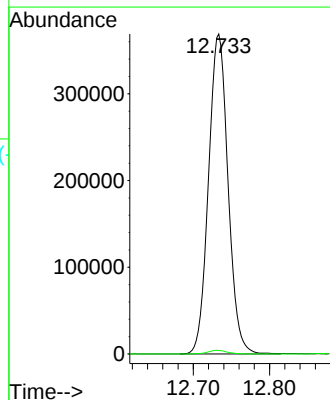
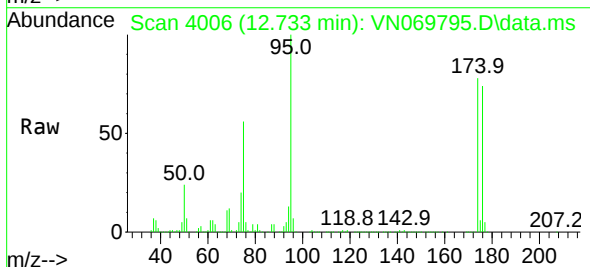


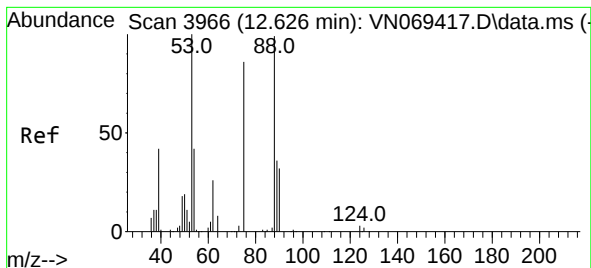
Tgt Ion: 43	Resp: 12163
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.0#
55 0.0	19.3 28.9#
61 0.0	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 23.505 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

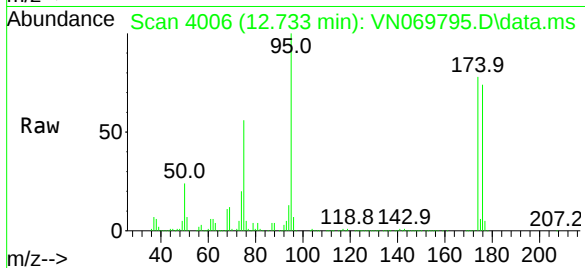
Tgt Ion: 75	Resp: 655141
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#



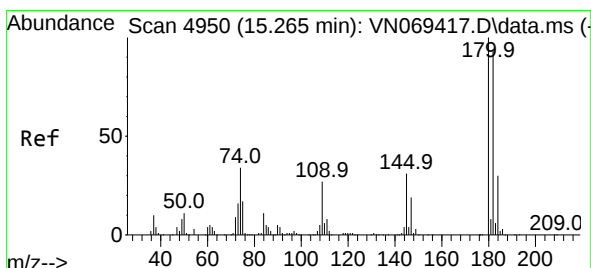
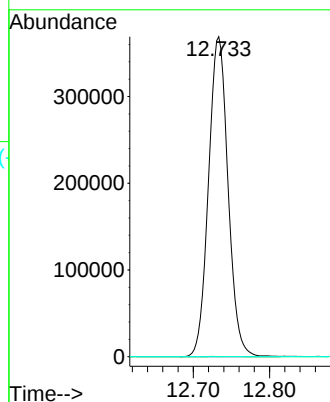
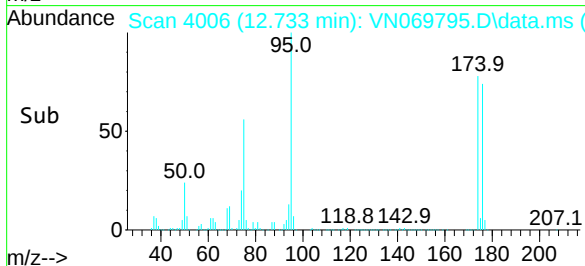


#81
trans-1,4-Dichloro-2-butene
Concen: 74.741 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

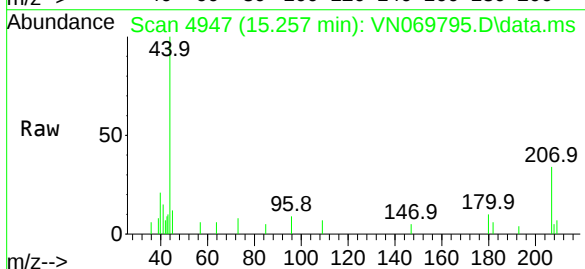
Instrument :
MSVOA_N
ClientSampleId :



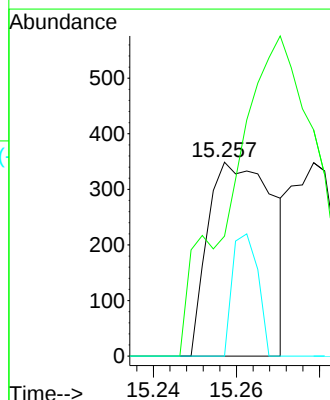
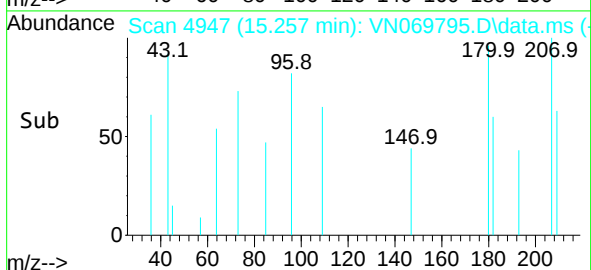
Tgt Ion: 75 Resp: 655141
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

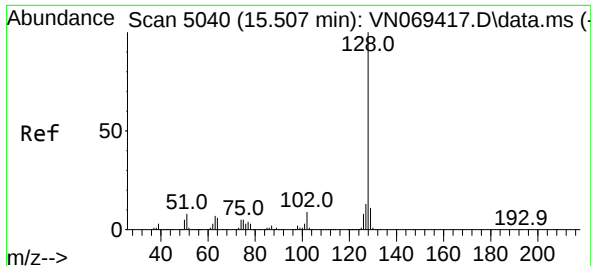


#93
1,2,4-Trichlorobenzene
Concen: 2.900 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10



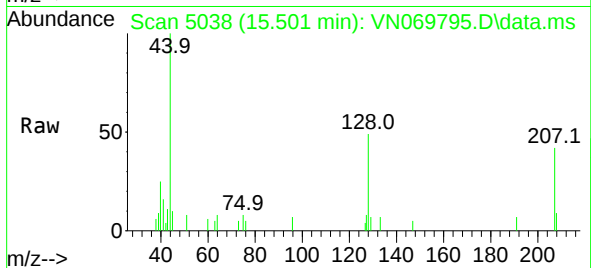
Tgt Ion: 180 Resp: 382
Ion Ratio Lower Upper
180 100
182 212.3 48.3 144.9#
145 24.6 14.5 43.5



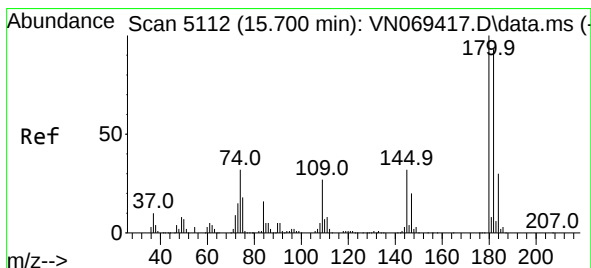
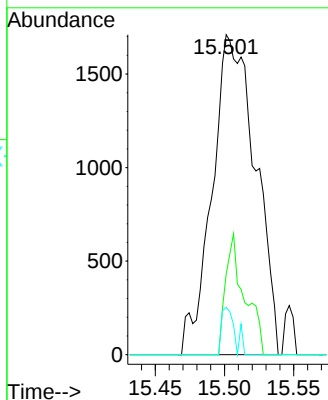
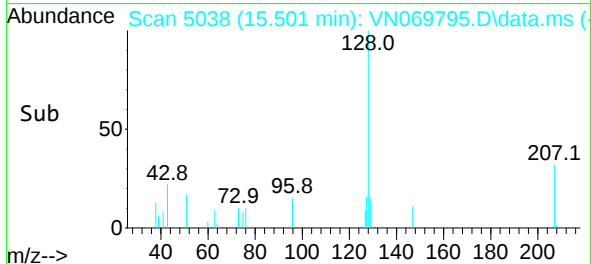


#95
Naphthalene
Concen: 4.057 ug/l
RT: 15.501 min Scan# 5040
Delta R.T. -0.006 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10

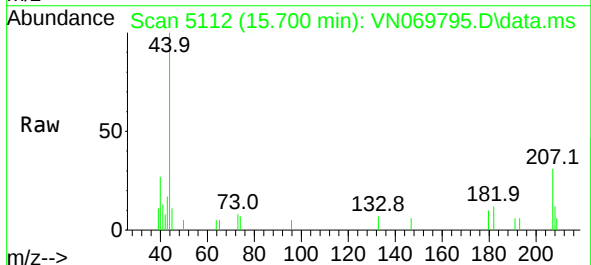
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3719
Ion Ratio Lower Upper
128 100
127 16.6 10.5 15.7#
129 4.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.463 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069795.D
Acq: 6 Dec 2021 20:10



Tgt Ion:180 Resp: 454
Ion Ratio Lower Upper
180 100
182 73.8 47.4 142.2
145 0.0 15.0 45.1#

