

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069295.D
 Acq On : 29 Oct 2021 12:38
 Operator : JC/MD
 Sample : M4338-06DL 40X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

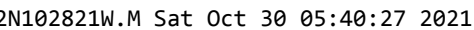
Quant Time: Oct 30 05:40:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

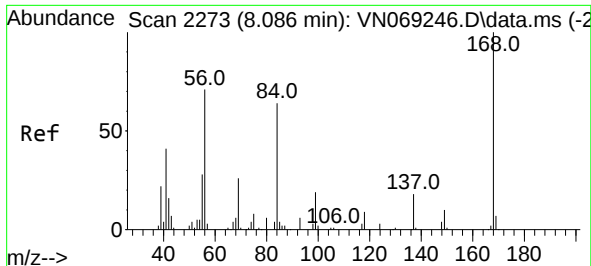
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	305013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	533588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	521173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	206156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	206808	46.970	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.940%		
35) Dibromofluoromethane	8.024	113	155461	46.738	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.480%		
50) Toluene-d8	10.443	98	663549	49.894	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.780%		
62) 4-Bromofluorobenzene	12.734	95	247363	49.290	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.580%		
Target Compounds						Qvalue
3) Chloromethane	2.303	50	356	Below Cal	#	42
16) Acetone	4.288	43	582	0.310	ug/l #	44
25) 2-Butanone	7.353	43	582	1.835	ug/l #	48
29) Tetrahydrofuran	7.705	42	242	3.066	ug/l #	33
31) Cyclohexane	8.088	56	7077	1.201	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	25346	5.510	ug/l #	44
38) Carbon Tetrachloride	8.214	117	1376	1.286	ug/l #	77
43) Isopropyl Acetate	8.601	43	314	0.493	ug/l #	55
51) 4-Methyl-2-Pentanone	10.339	43	1880	6.710	ug/l #	80
55) 1,1,2-Trichloroethane	10.974	97	2293	0.630	ug/l #	19
56) Ethyl methacrylate	10.762	69	185	1.710	ug/l #	57
59) 2-Hexanone	11.089	43	3680	8.783	ug/l	91
60) Dibromochloromethane	10.977	129	239380	57.450	ug/l #	10
64) Tetrachloroethene	10.980	164	241629	72.584	ug/l	98
70) Styrene	12.296	104	768	1.515	ug/l #	78
74) N-amyl acetate	12.393	43	1869	0.274	ug/l #	82
76) 1,2,3-Trichloropropane	12.734	75	130995	24.159	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	130995	69.339	ug/l #	12
88) 1,4-Dichlorobenzene	13.616	146	1187	0.246	ug/l	82
89) n-Butylbenzene	13.943	91	2610	0.222	ug/l	93
90) Hexachloroethane	14.214	117	3472	3.244	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.611	75	144	1.780	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.268	180	2216	3.116	ug/l	97
95) Naphthalene	15.509	128	10584	4.267	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.705	180	2709	2.999	ug/l	92

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

Quant Time: Oct 30 05:40:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

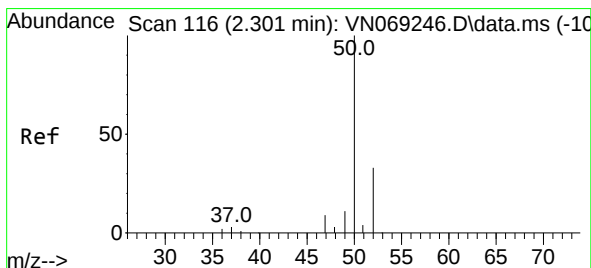
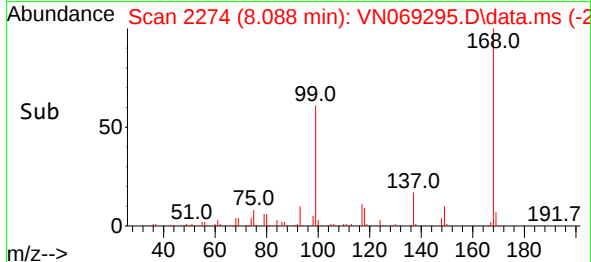
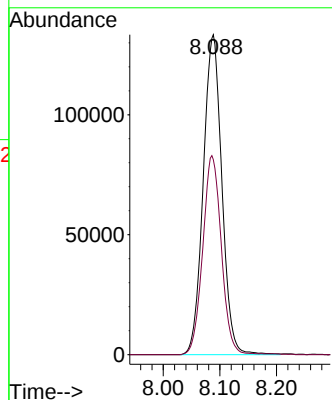
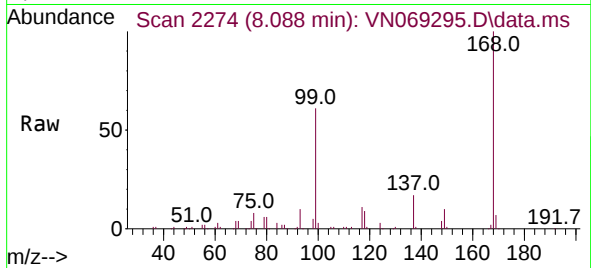




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

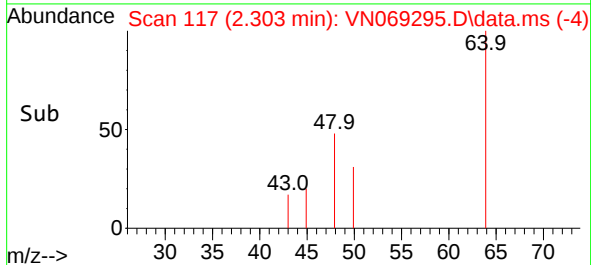
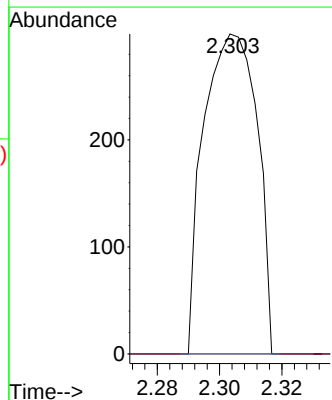
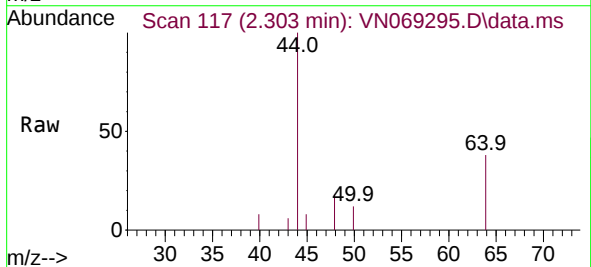
Instrument :
MSVOA_N
ClientSampleId :

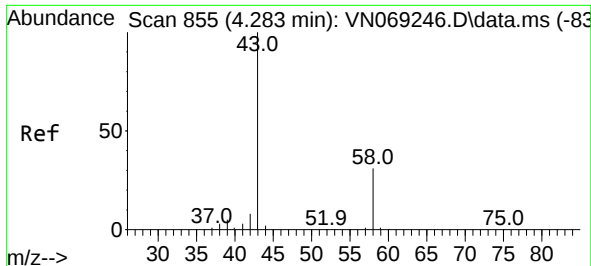
Tgt Ion:168 Resp: 305013
Ion Ratio Lower Upper
168 100
99 61.0 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

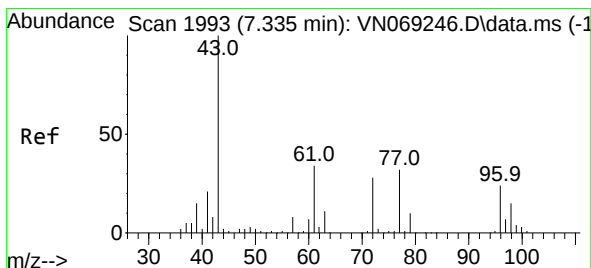
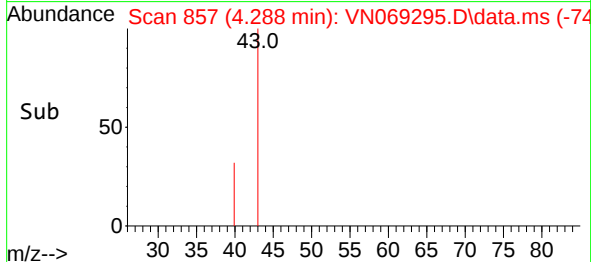
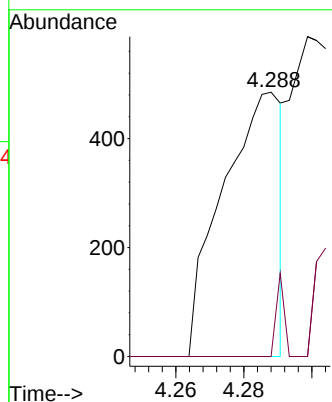
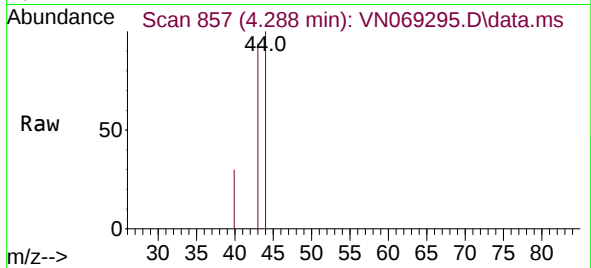




#16
Acetone
Concen: 0.310 ug/l
RT: 4.288 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

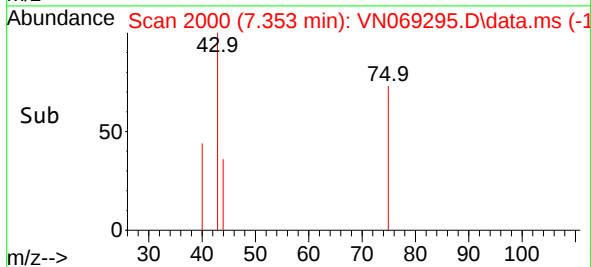
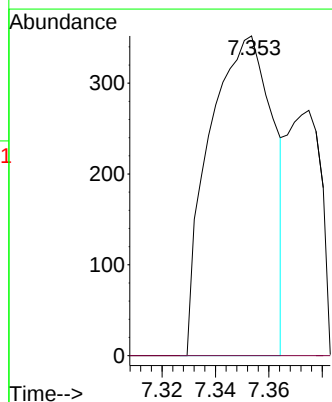
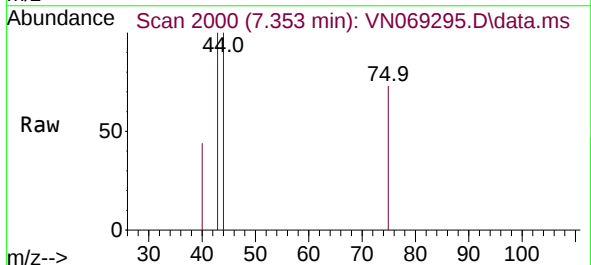
Instrument :
MSVOA_N
ClientSampleId :

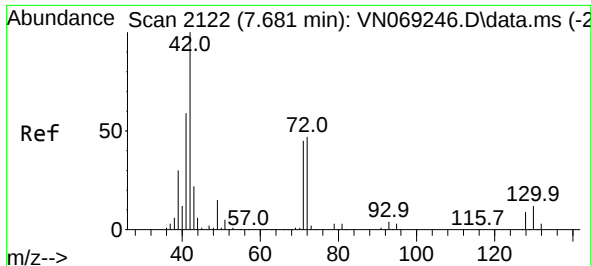
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#25
2-Butanone
Concen: 1.835 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.018 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#29

Tetrahydrofuran

Concen: 3.066 ug/l

RT: 7.705 min Scan# 21

Delta R.T. 0.024 min

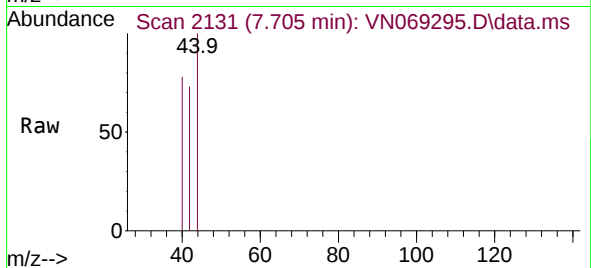
Lab File: VN069295.D

Acq: 29 Oct 2021 12:38

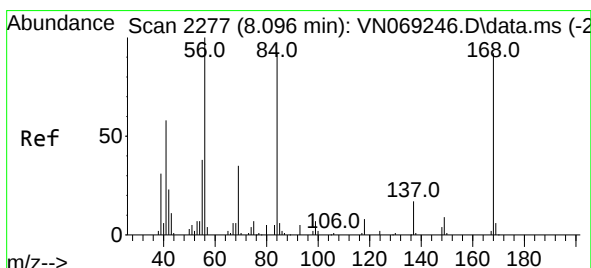
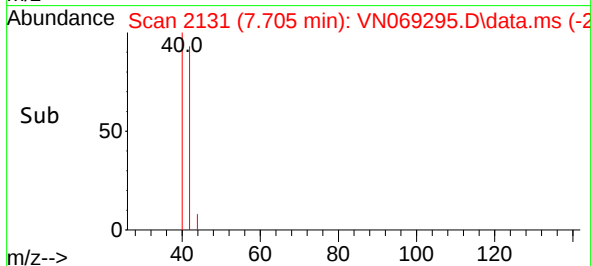
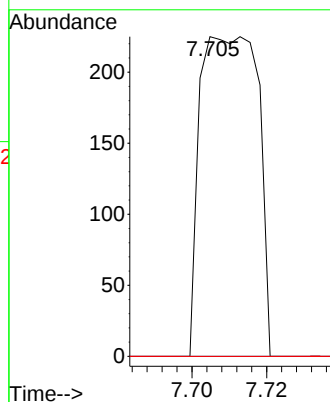
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	242
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.4	53.2#
71	0.0	33.8	50.6#



#31

Cyclohexane

Concen: 1.201 ug/l

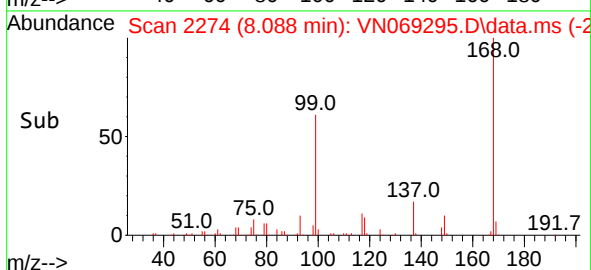
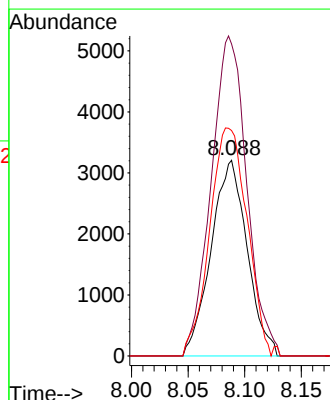
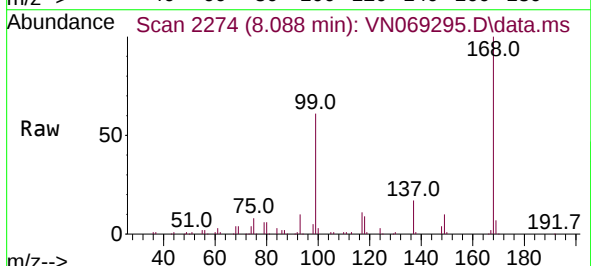
RT: 8.088 min Scan# 2274

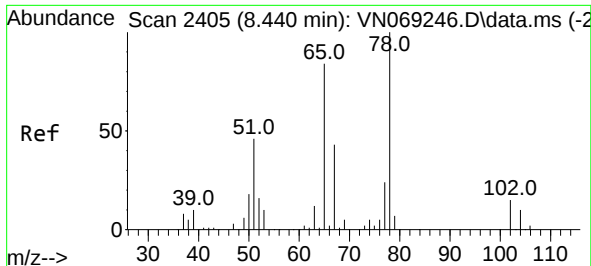
Delta R.T. -0.008 min

Lab File: VN069295.D

Acq: 29 Oct 2021 12:38

Tgt Ion:	56	Resp:	7077
Ion	Ratio	Lower	Upper
56	100		
69	159.4	26.9	40.3#
84	115.2	67.6	101.4#





#33

1,2-Dichloroethane-d4

Concen: 46.970 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069295.D

Acq: 29 Oct 2021 12:38

Instrument :

MSVOA_N

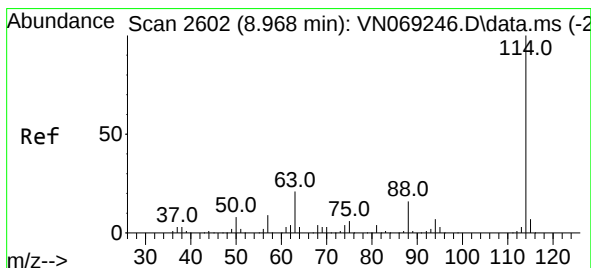
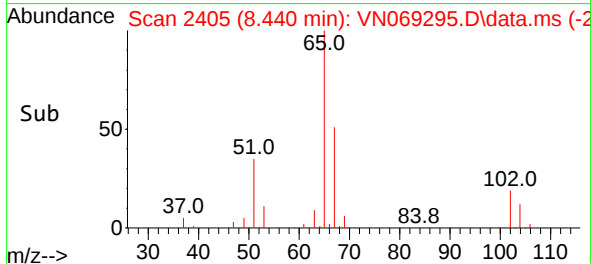
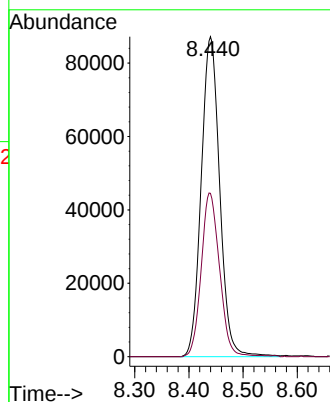
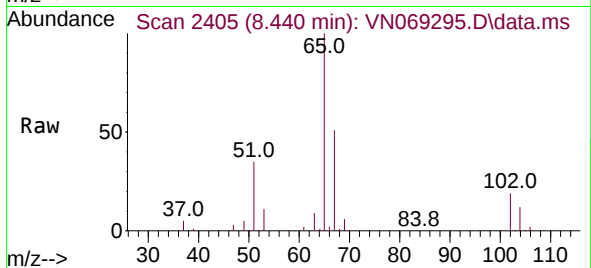
ClientSampleId :

Tgt Ion: 65 Resp: 206808

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069295.D

Acq: 29 Oct 2021 12:38

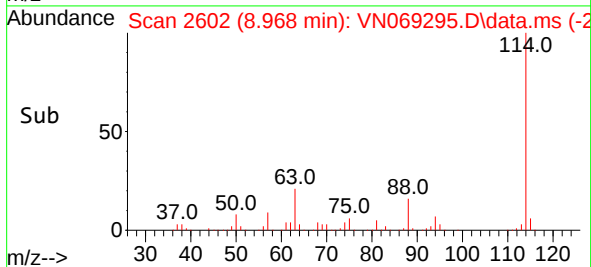
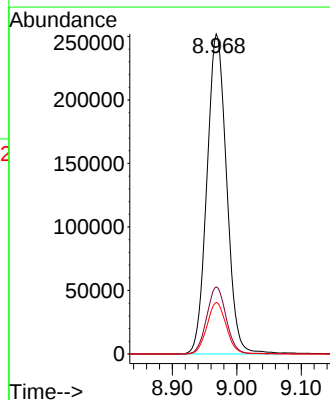
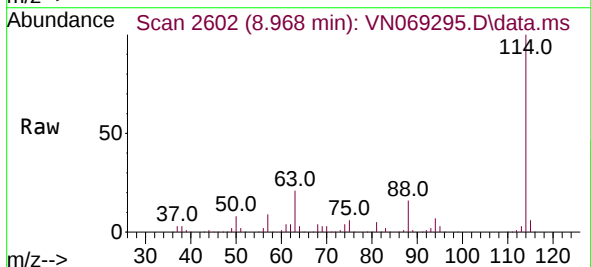
Tgt Ion: 114 Resp: 533588

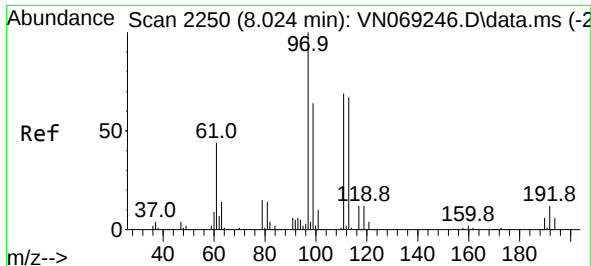
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

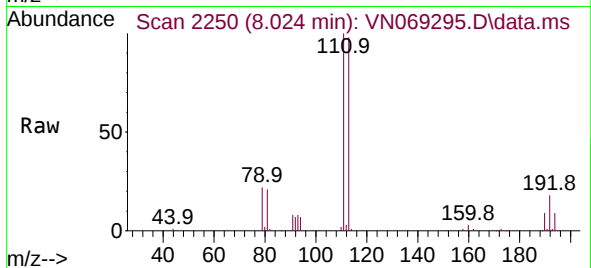
88 16.1 0.0 32.0



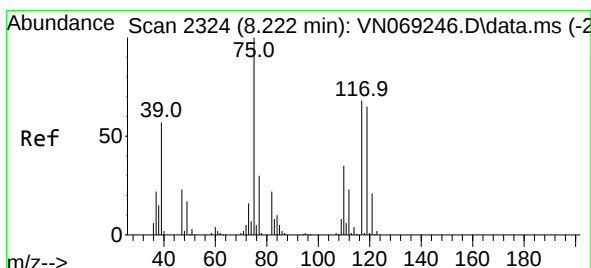
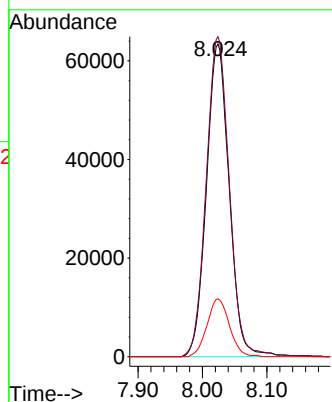
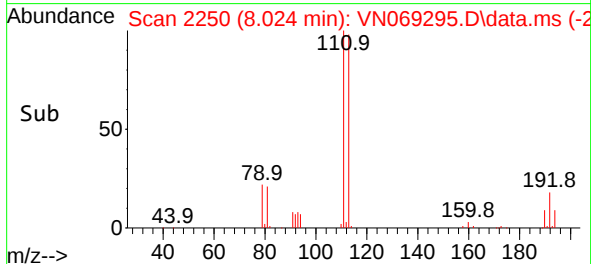


#35
Dibromofluoromethane
Concen: 46.738 ug/l
RT: 8.024 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Instrument :
MSVOA_N
ClientSampleId :

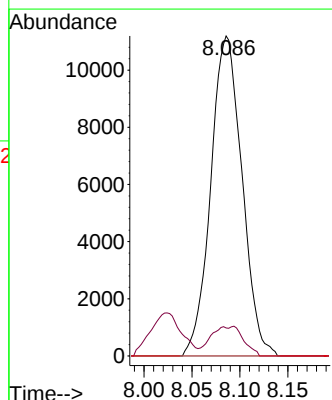
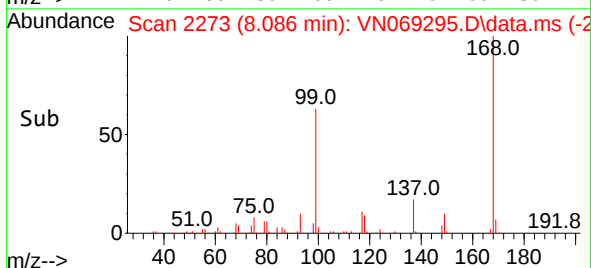
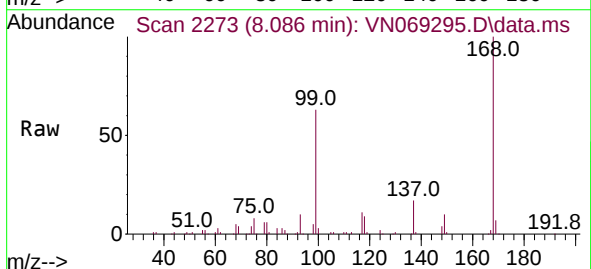


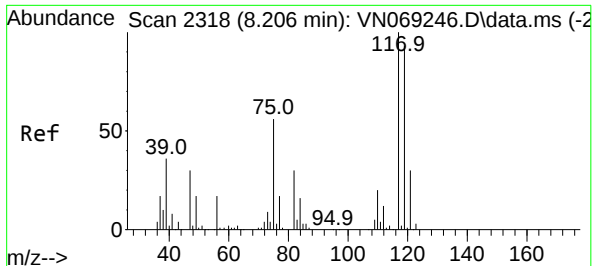
Tgt Ion:113 Resp: 155461
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 18.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.510 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

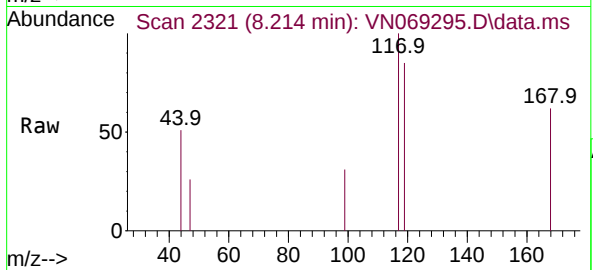
Tgt Ion: 75 Resp: 25346
Ion Ratio Lower Upper
75 100
110 3.7 17.9 53.8#
77 0.0 24.7 37.1#



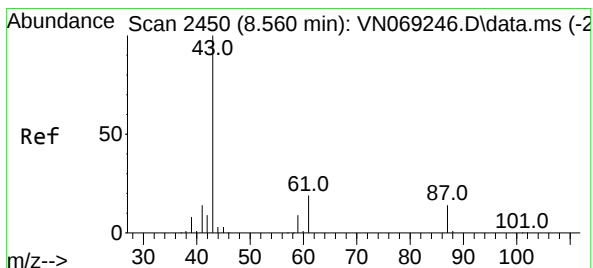
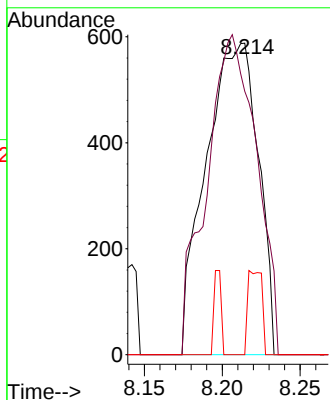
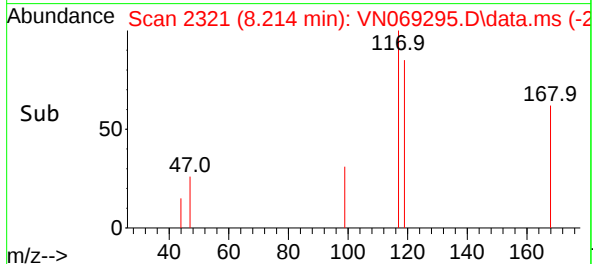


#38
Carbon Tetrachloride
Concen: 1.286 ug/l
RT: 8.214 min Scan# 211
Delta R.T. 0.008 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

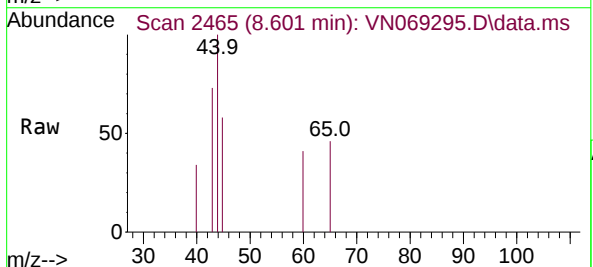
Instrument :
MSVOA_N
ClientSampleId :



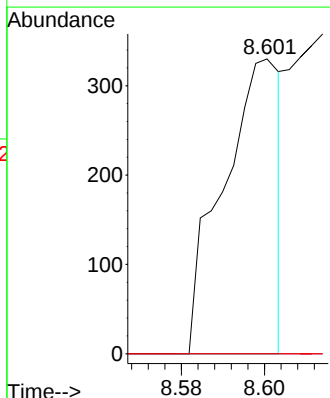
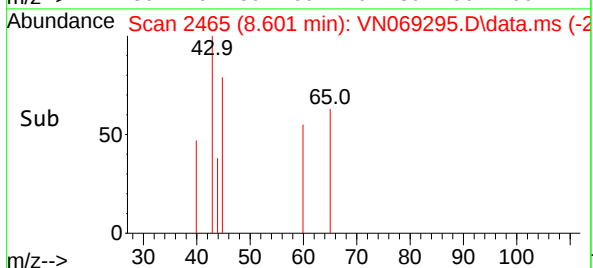
Tgt Ion:117 Resp: 1376
Ion Ratio Lower Upper
117 100
119 84.5 76.9 115.3
121 0.0 24.6 37.0#

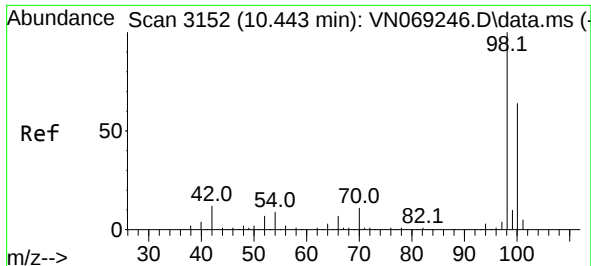


#43
Isopropyl Acetate
Concen: 0.493 ug/l
RT: 8.601 min Scan# 2465
Delta R.T. 0.041 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38



Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

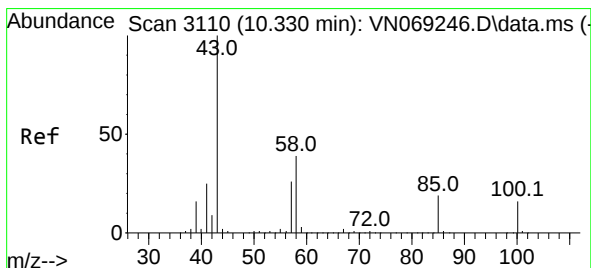
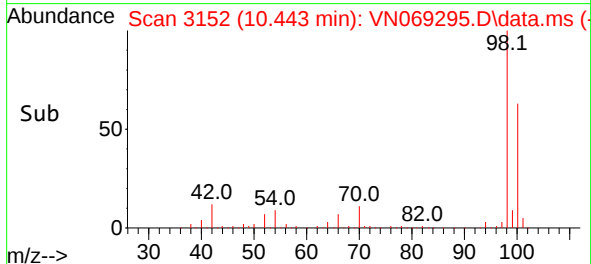
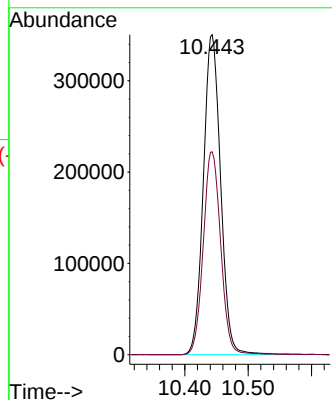
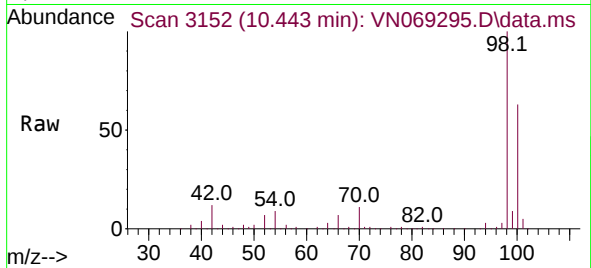




#50
Toluene-d8
Concen: 49.894 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

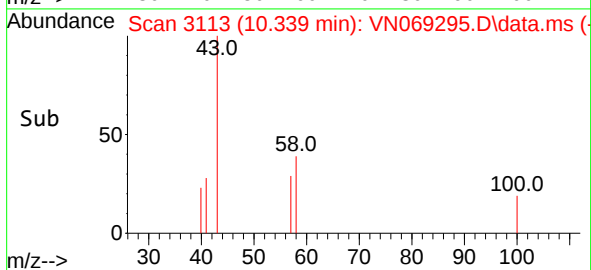
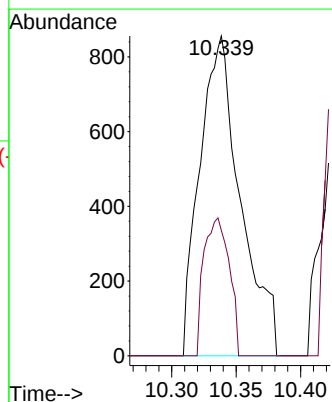
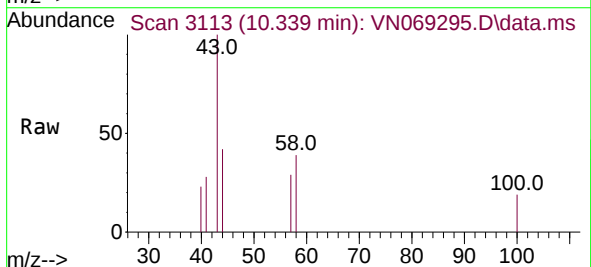
Instrument :
MSVOA_N
ClientSampleId :

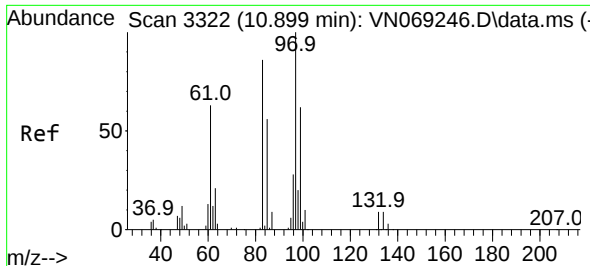
Tgt Ion: 98 Resp: 663549
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.710 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.009 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

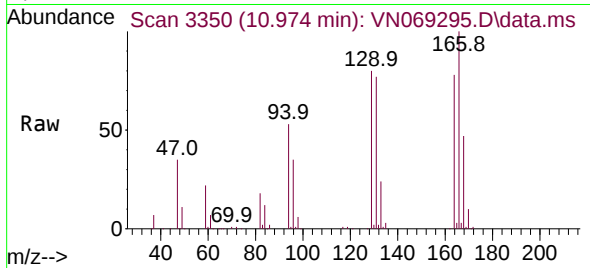
Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 26.8 31.0 46.4#



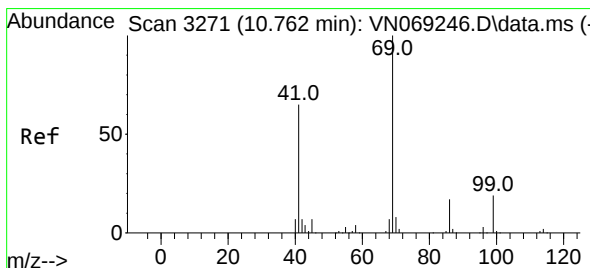
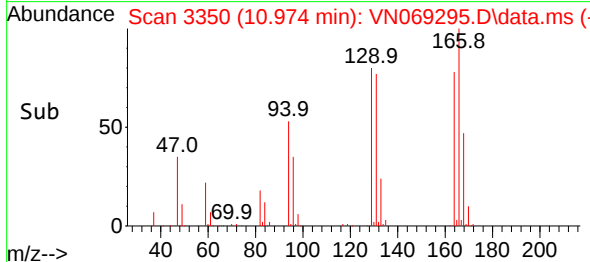
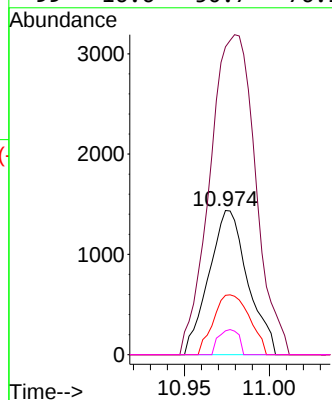


#55
1,1,2-Trichloroethane
Concen: 0.630 ug/l
RT: 10.974 min Scan# 31
Delta R.T. 0.075 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Instrument :
MSVOA_N
ClientSampleId :

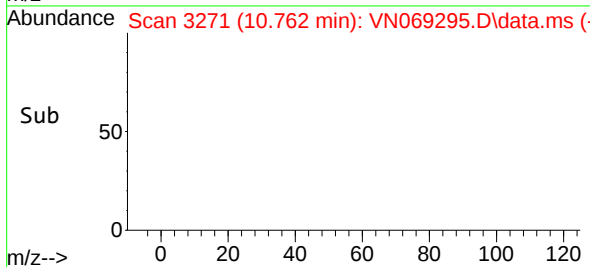
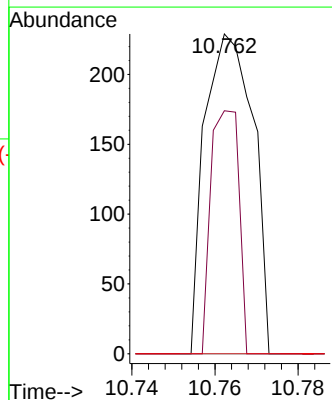
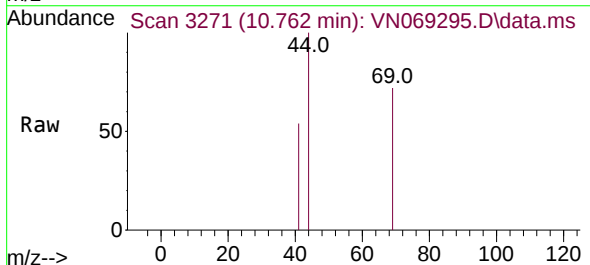


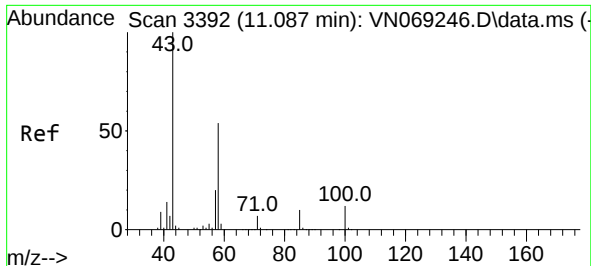
Tgt Ion: 97 Resp: 2293
Ion Ratio Lower Upper
97 100
83 213.5 70.5 105.7#
85 41.2 45.3 67.9#
99 16.6 50.7 76.1#



#56
Ethyl methacrylate
Concen: 1.710 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Tgt Ion: 69 Resp: 185
Ion Ratio Lower Upper
69 100
41 44.3 53.3 79.9#
39 0.0 33.3 49.9#

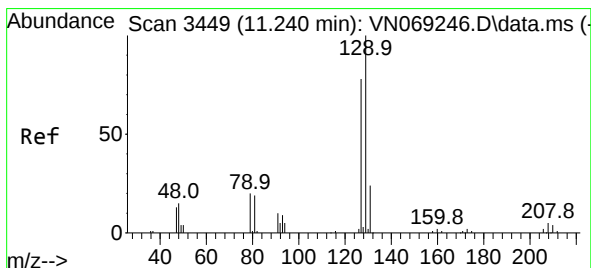
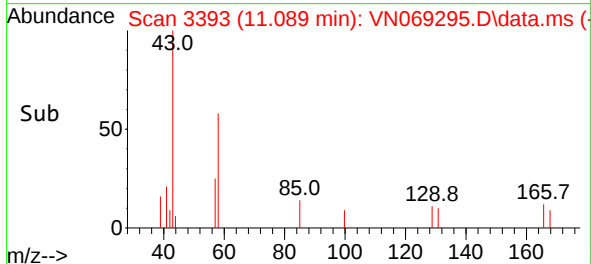
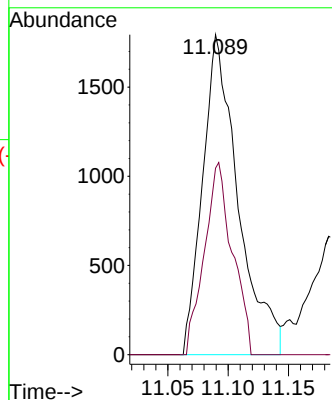
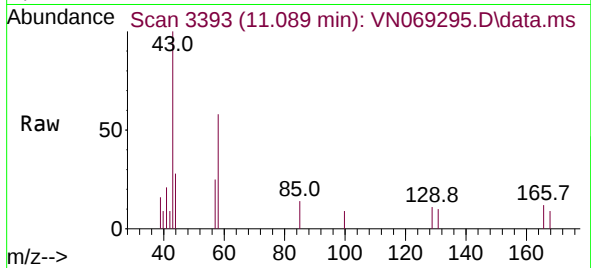




#59
2-Hexanone
Concen: 8.783 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

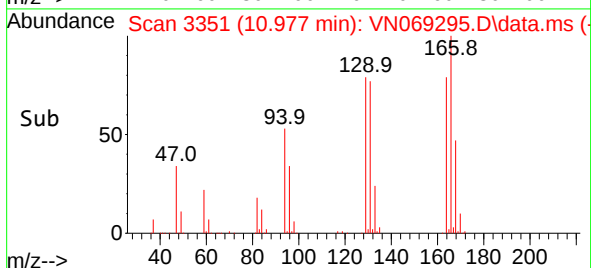
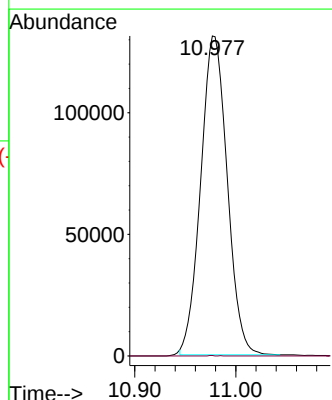
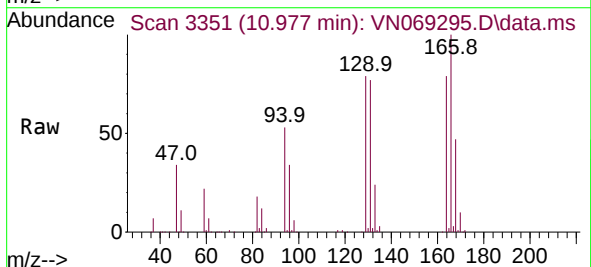
Instrument :
MSVOA_N
ClientSampleId :

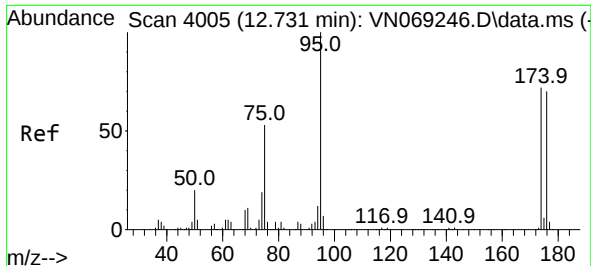
Tgt Ion: 43 Resp: 3680
Ion Ratio Lower Upper
43 100
58 47.4 26.9 80.7



#60
Dibromochloromethane
Concen: 57.450 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Tgt Ion:129 Resp: 239380
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

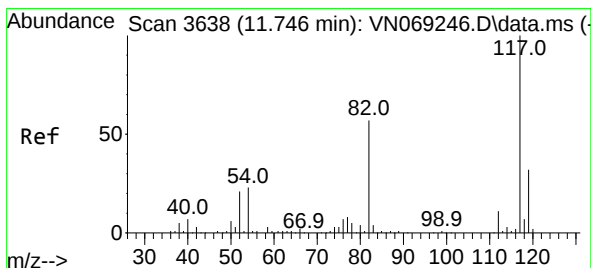
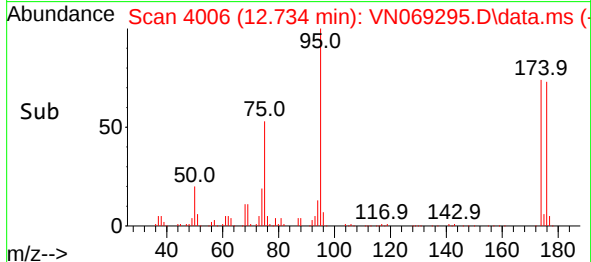
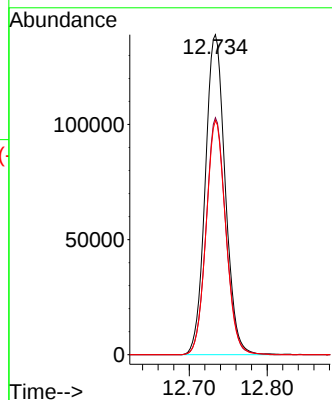
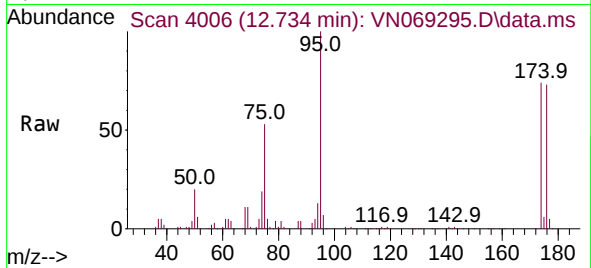




#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

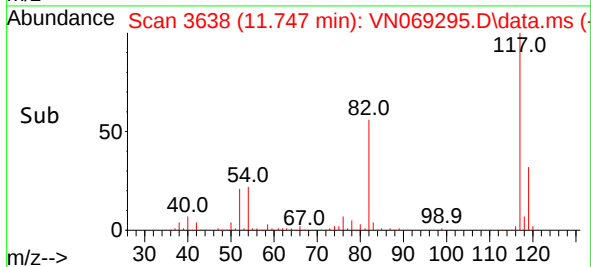
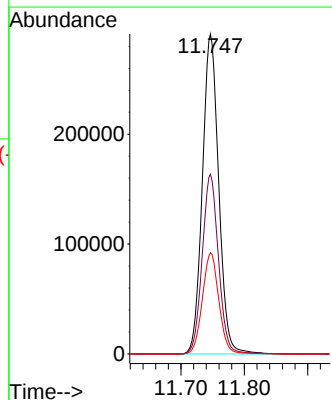
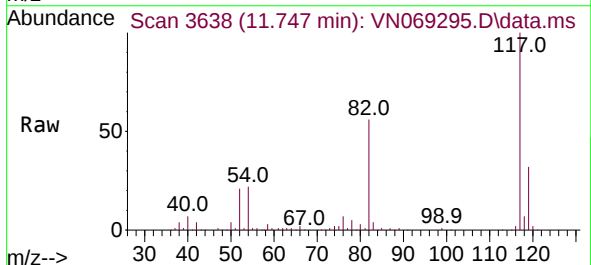
Instrument :
MSVOA_N
ClientSampleId :

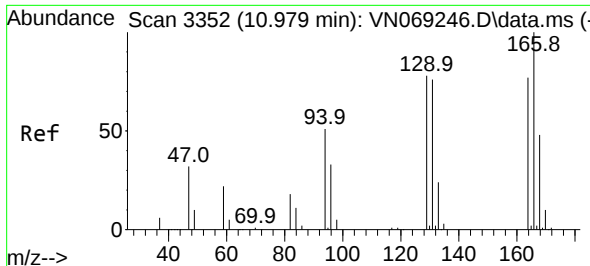
Tgt Ion: 95 Resp: 247363
Ion Ratio Lower Upper
95 100
174 73.1 0.0 144.8
176 72.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

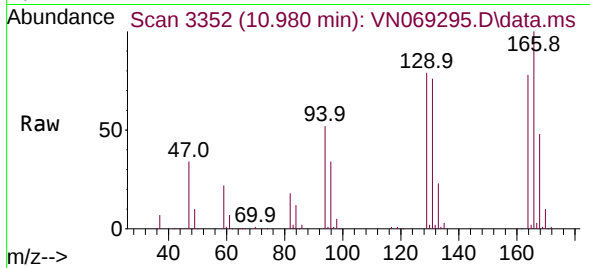
Tgt Ion: 117 Resp: 521173
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.7 26.0 39.0



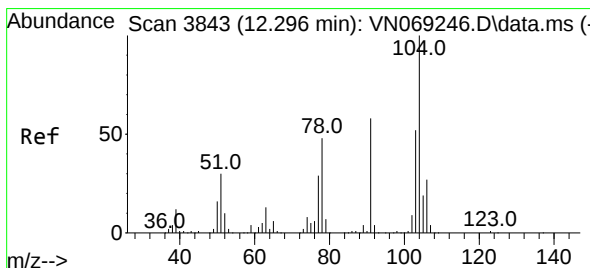
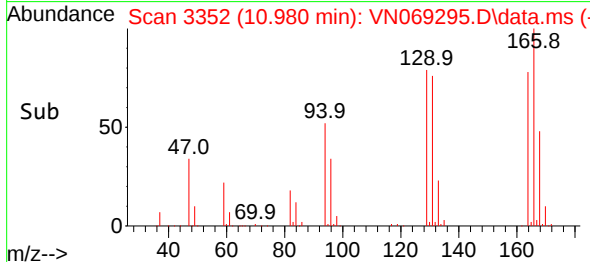
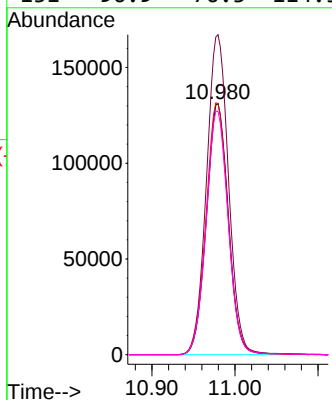


#64
Tetrachloroethene
Concen: 72.584 ug/l
RT: 10.980 min Scan# 31
Delta R.T. 0.001 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Instrument :
MSVOA_N
ClientSampleId :

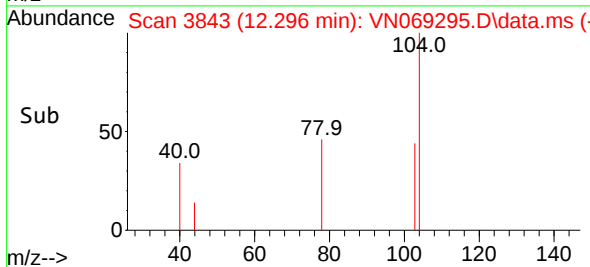
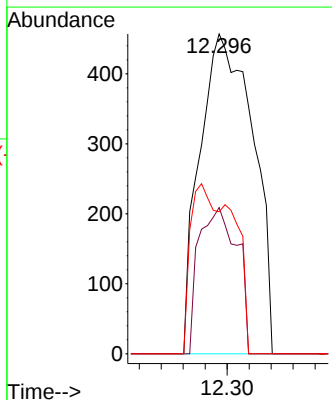
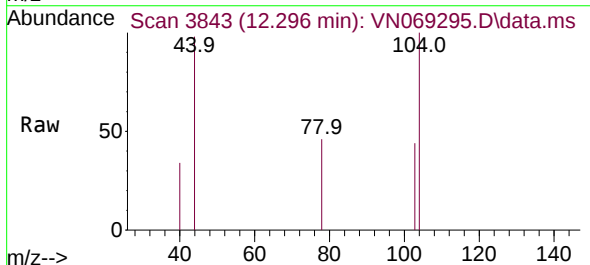


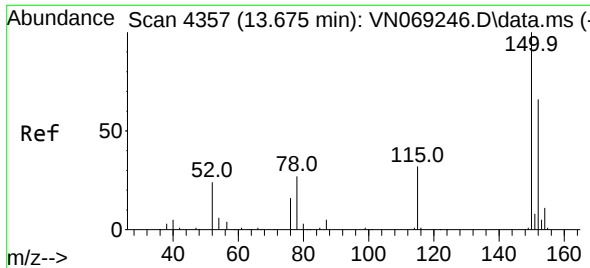
Tgt Ion:164 Resp: 241629
Ion Ratio Lower Upper
164 100
166 127.4 99.8 149.8
129 100.0 79.2 118.8
131 96.9 76.3 114.5



#70
Styrene
Concen: 1.515 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

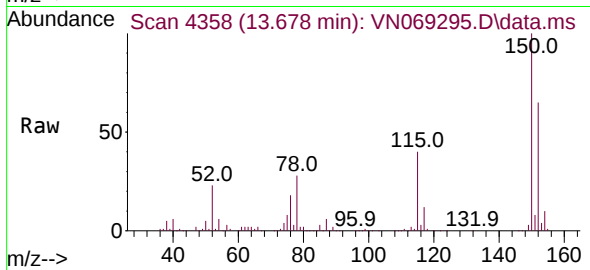
Tgt Ion:104 Resp: 768
Ion Ratio Lower Upper
104 100
78 32.9 42.2 63.4#
103 43.1 44.4 66.6#



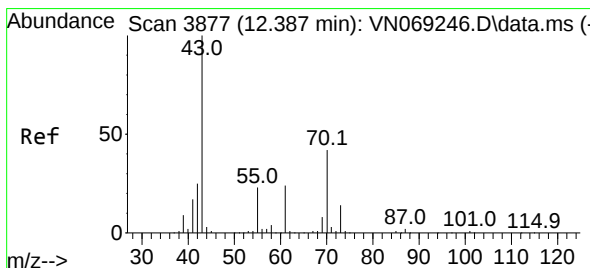
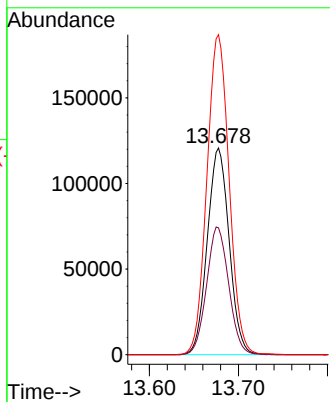
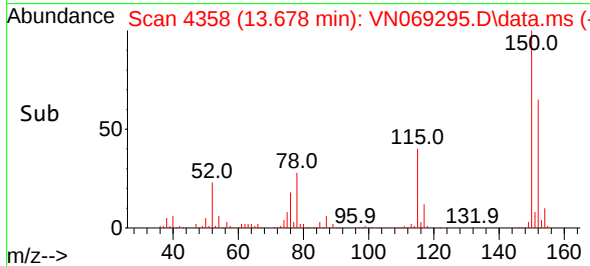


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

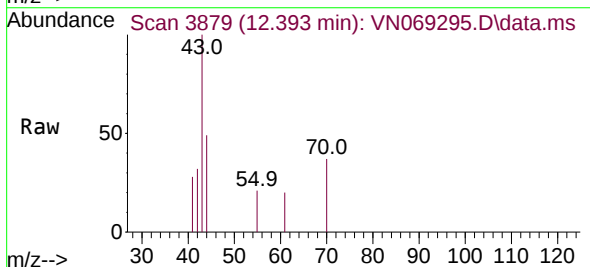
Instrument :
MSVOA_N
ClientSampleId :



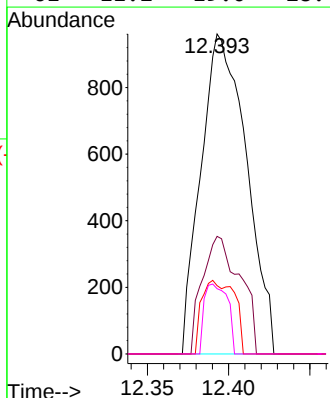
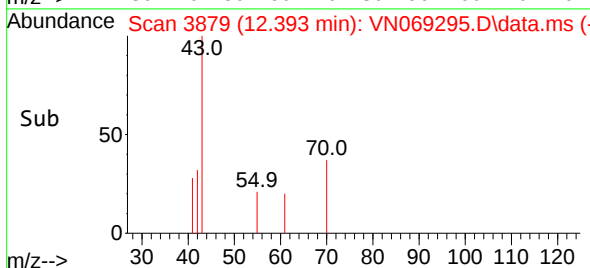
Tgt Ion:152 Resp: 206156
Ion Ratio Lower Upper
152 100
115 62.5 31.4 94.3
150 157.3 0.0 351.0

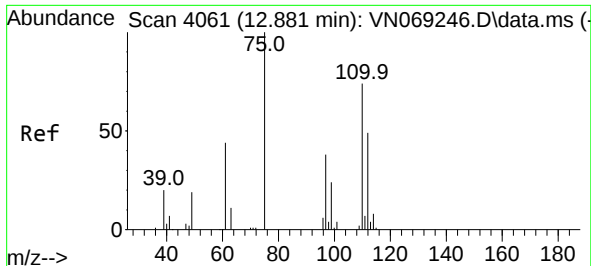


#74
N-ethyl acetate
Concen: 0.274 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.006 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38



Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
70 30.4 32.2 48.2#
55 16.4 18.0 27.0#
61 11.2 19.0 28.4#

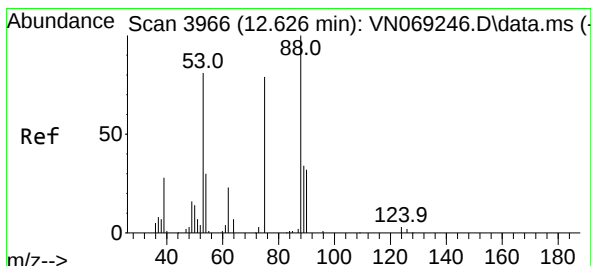
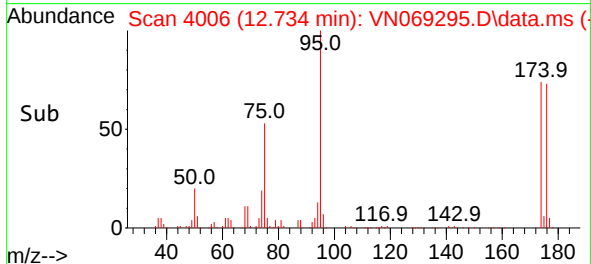
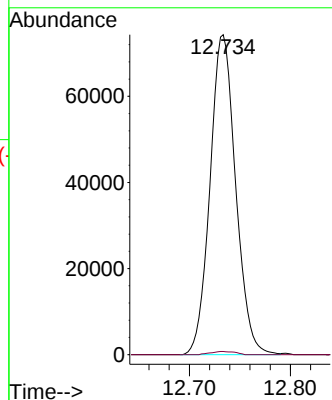
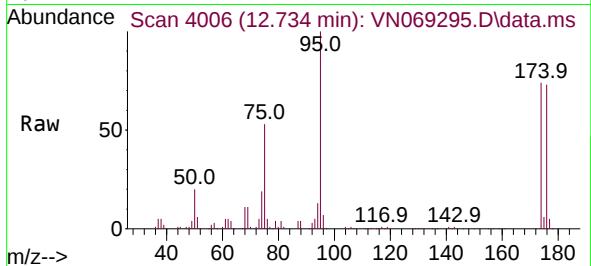




#76
1,2,3-Trichloropropane
Concen: 24.159 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

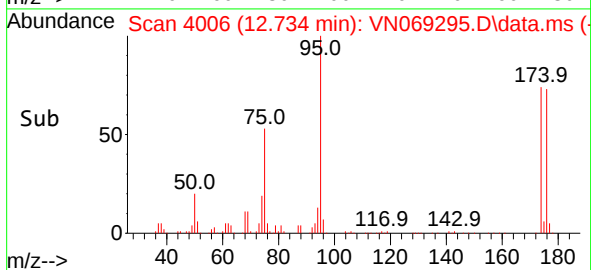
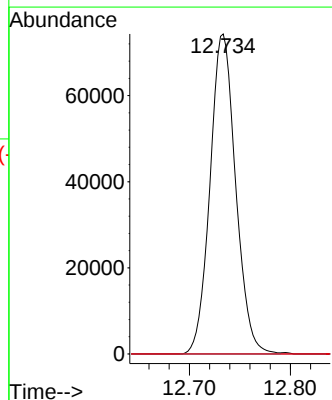
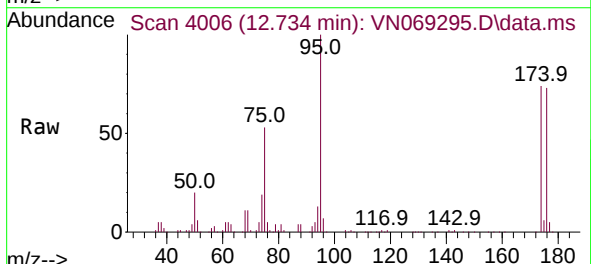
Instrument :
MSVOA_N
ClientSampleId :

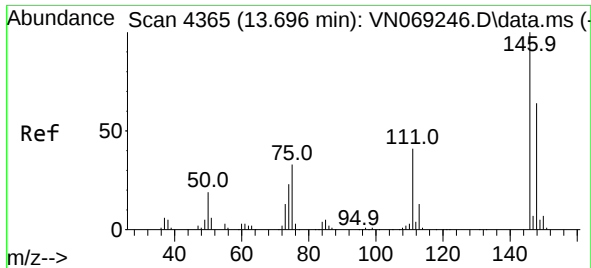
Tgt Ion: 75 Resp: 130995
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.339 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

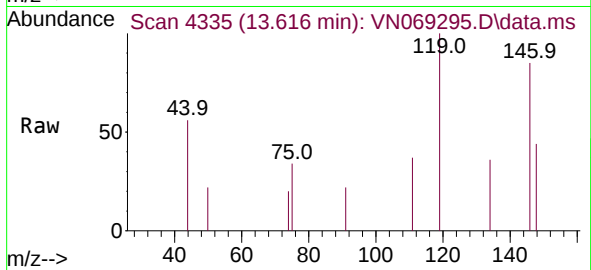
Tgt Ion: 75 Resp: 130995
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



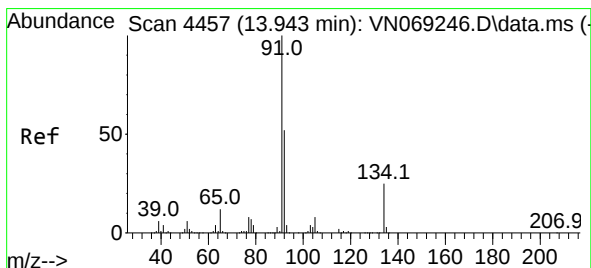
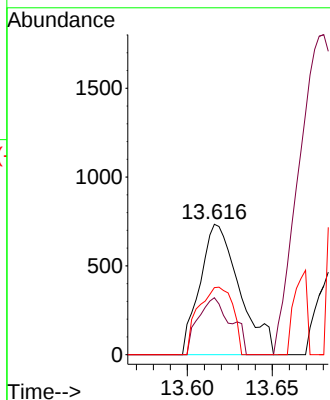
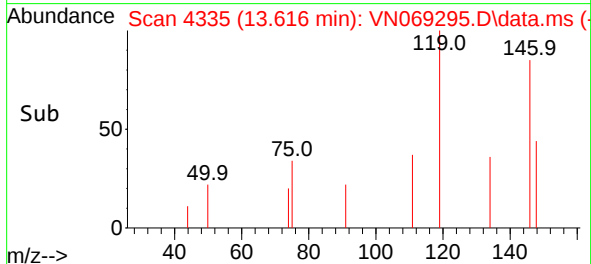


#88
1,4-Dichlorobenzene
Concen: 0.246 ug/l
RT: 13.616 min Scan# 411
Delta R.T. -0.080 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

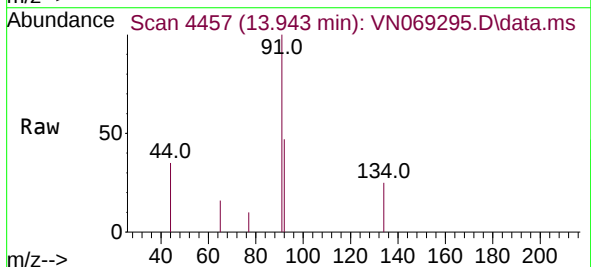
Instrument :
MSVOA_N
ClientSampleId :



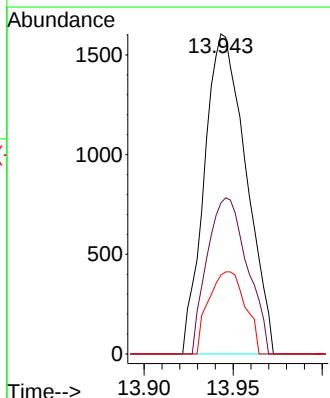
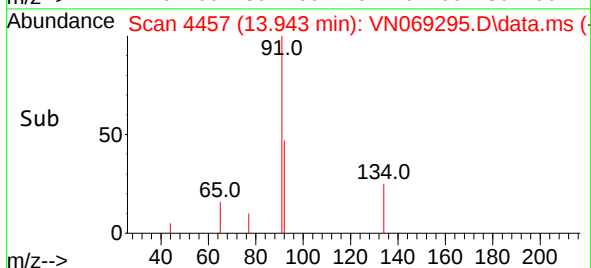
Tgt Ion:146 Resp: 1187
Ion Ratio Lower Upper
146 100
111 36.3 20.6 61.8
148 45.0 32.1 96.5

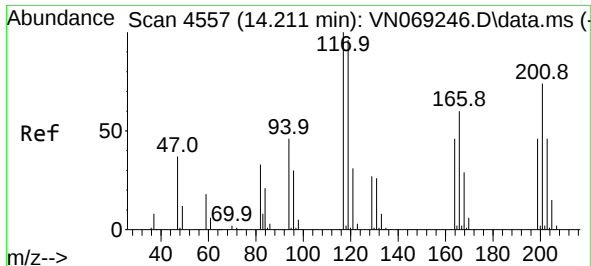


#89
n-Butylbenzene
Concen: 0.222 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38



Tgt Ion: 91 Resp: 2610
Ion Ratio Lower Upper
91 100
92 46.9 26.0 78.0
134 22.5 12.5 37.5

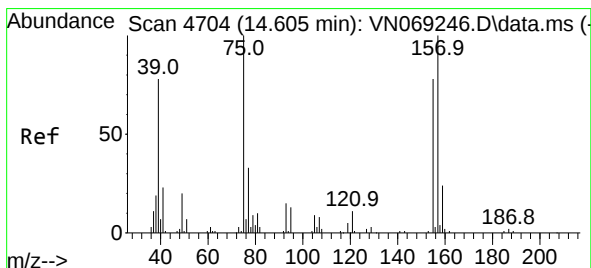
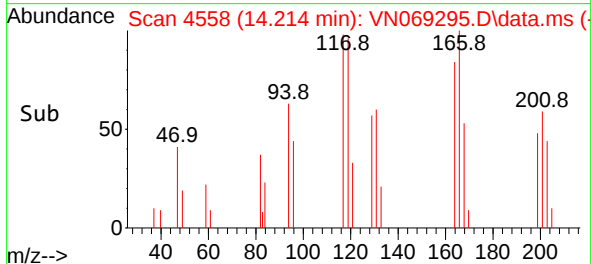
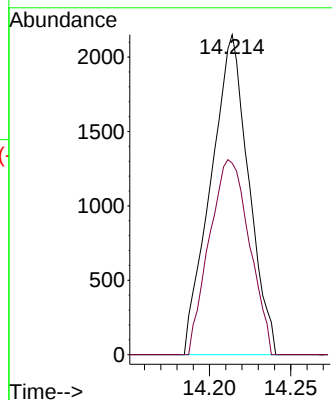
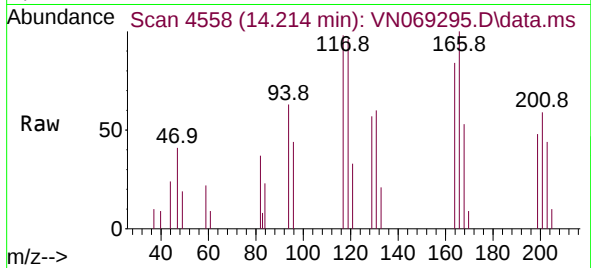




#90
Hexachloroethane
Concen: 3.244 ug/l
RT: 14.214 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

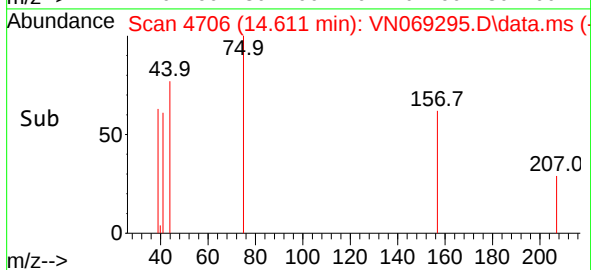
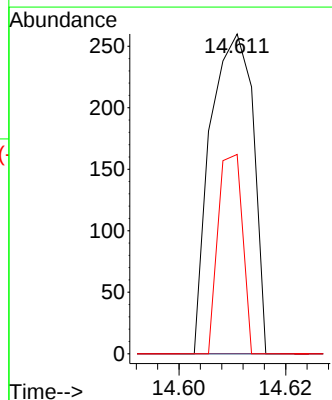
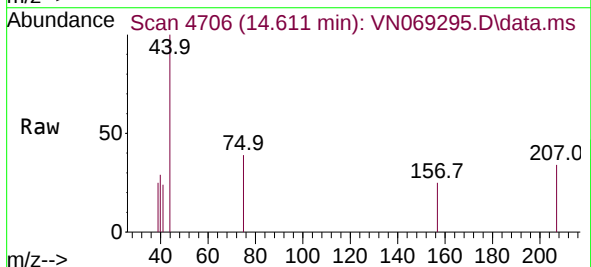
Instrument :
MSVOA_N
ClientSampleId :

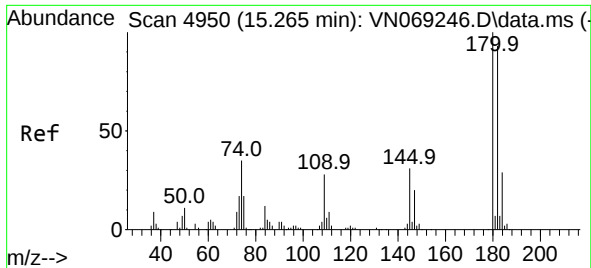
Tgt Ion:117 Resp: 3472
Ion Ratio Lower Upper
117 100
201 64.7 37.1 111.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.780 ug/l
RT: 14.611 min Scan# 4706
Delta R.T. 0.006 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Tgt Ion: 75 Resp: 144
Ion Ratio Lower Upper
75 100
155 0.0 38.8 116.4#
157 35.4 50.2 150.6#

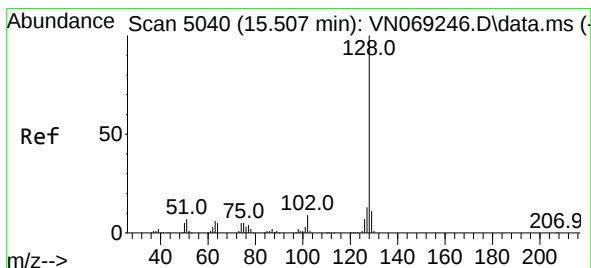
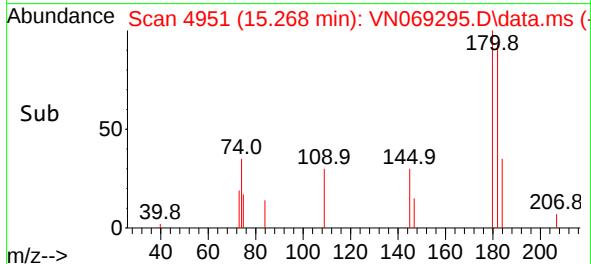
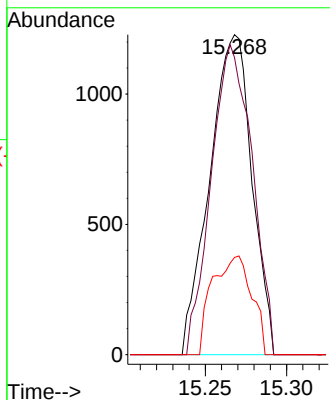
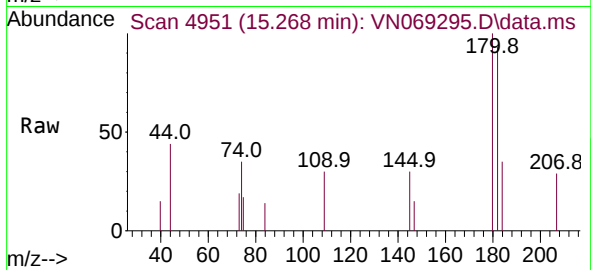




#93
1,2,4-Trichlorobenzene
Concen: 3.116 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

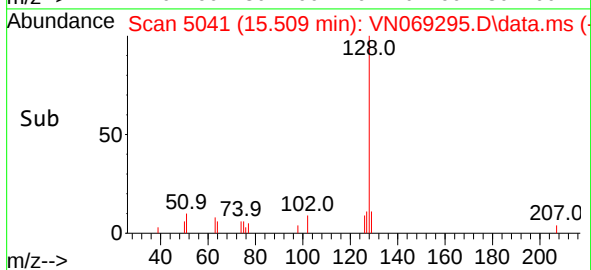
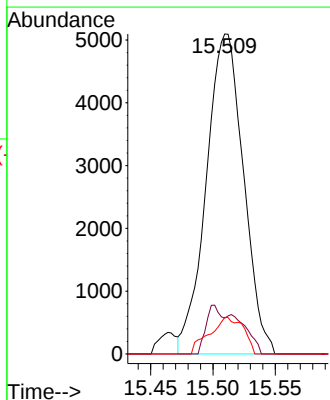
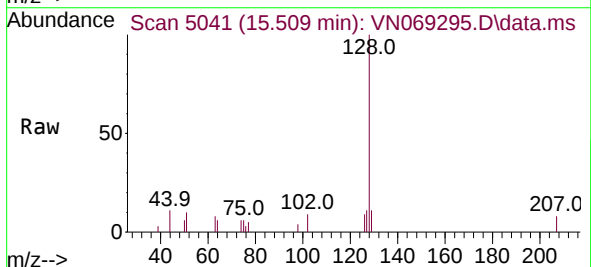
Instrument :
MSVOA_N
ClientSampleId :

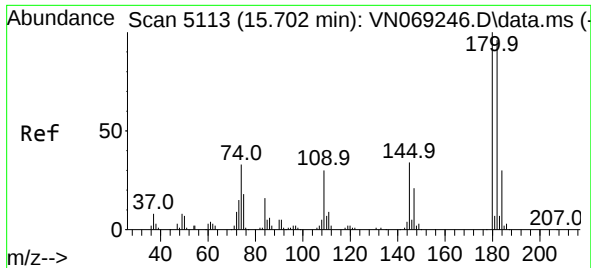
Tgt Ion:180 Resp: 2216
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.7
145 28.7 16.4 49.2



#95
Naphthalene
Concen: 4.267 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069295.D
Acq: 29 Oct 2021 12:38

Tgt Ion:128 Resp: 10584
Ion Ratio Lower Upper
128 100
127 6.9 10.5 15.7#
129 10.4 8.9 13.3





#96

1,2,3-Trichlorobenzene

Concen: 2.999 ug/l

RT: 15.705 min Scan# 5114

Delta R.T. 0.003 min

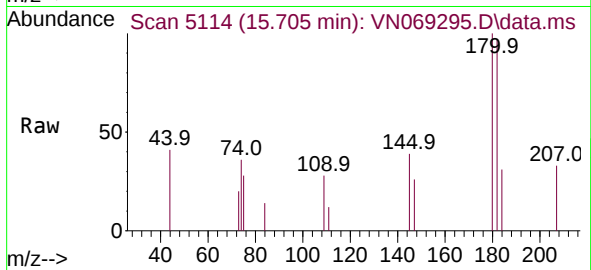
Lab File: VN069295.D

Acq: 29 Oct 2021 12:38

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 2709

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.3

145 18.5 17.4 52.2

