

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100121\
 Data File : VN068777.D
 Acq On : 1 Oct 2021 12:23
 Operator : JC/MD
 Sample : VN1001MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 03:57:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

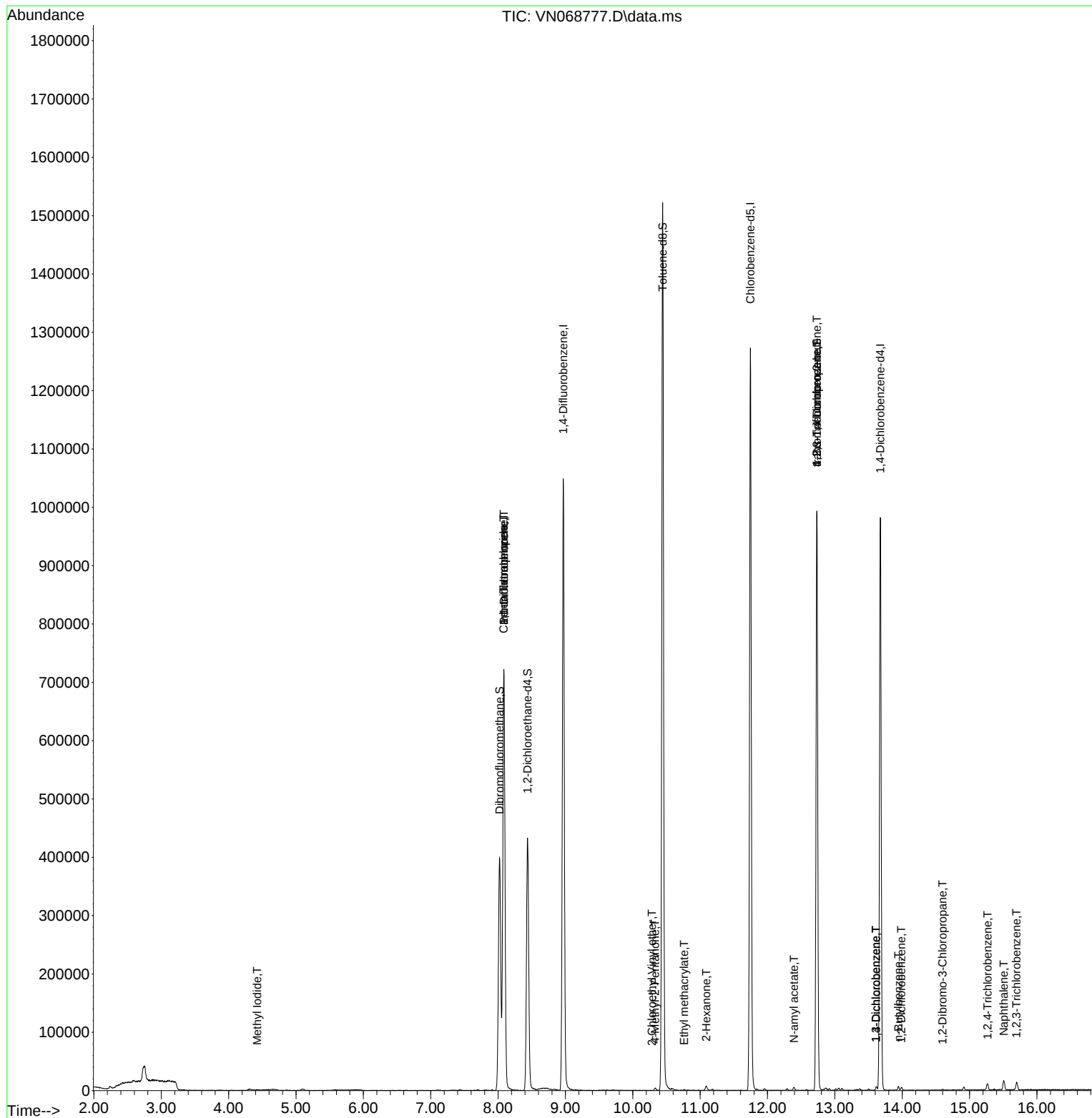
Internal Standards						
1) Pentafluorobenzene	8.086	168	517321	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	890549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	727756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	249656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	360020	49.948	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.900%		
35) Dibromofluoromethane	8.024	113	285636	51.622	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.240%		
50) Toluene-d8	10.443	98	1061543	52.501	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.000%		
62) 4-Bromofluorobenzene	12.734	95	320490	45.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.240%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	616	Below Cal	#	43
5) Bromomethane	2.875	94	1865	Below Cal	#	72
6) Chloroethane	3.044	64	91	Below Cal	#	44
10) Methyl Iodide	4.422	142	370	1.420	ug/l #	88
13) Acrolein	4.052	56	177	Below Cal	#	14
16) Acetone	4.291	43	731	Below Cal	#	86
17) Carbon Disulfide	4.529	76	402	Below Cal	#	74
31) Cyclohexane	8.086	56	14125	Below Cal	#	41
36) 1,1-Dichloropropene	8.086	75	45750	5.462	ug/l #	52
38) Carbon Tetrachloride	8.083	117	57755	5.805	ug/l #	16
51) 4-Methyl-2-Pentanone	10.331	43	3120	0.353	ug/l #	83
56) Ethyl methacrylate	10.760	69	503	1.868	ug/l #	75
58) 2-Chloroethyl Vinyl ether	10.285	63	28	3.254	ug/l #	50
59) 2-Hexanone	11.092	43	5802	0.953	ug/l	97
74) N-amyl acetate	12.393	43	3157	0.440	ug/l #	93
76) 1,2,3-Trichloropropane	12.734	75	190237	34.264	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	190237	99.606	ug/l #	6
87) 1,3-Dichlorobenzene	13.611	146	1978	0.210	ug/l	73
88) 1,4-Dichlorobenzene	13.611	146	1978	0.211	ug/l	74
89) n-Butylbenzene	13.943	91	4298	0.271	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	2116	0.233	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.598	75	439	0.374	ug/l #	48
93) 1,2,4-Trichlorobenzene	15.268	180	3880	0.942	ug/l	90
95) Naphthalene	15.507	128	15510	2.727	ug/l	98
96) 1,2,3-Trichlorobenzene	15.697	180	4919	1.246	ug/l	99

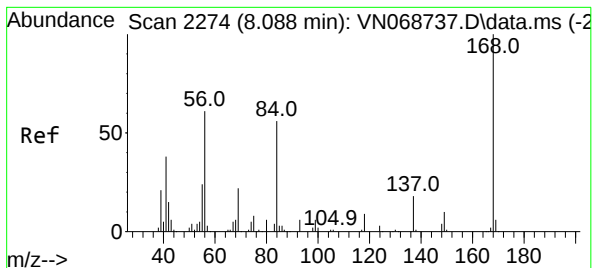
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN068777.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 29 23:31:35 2021
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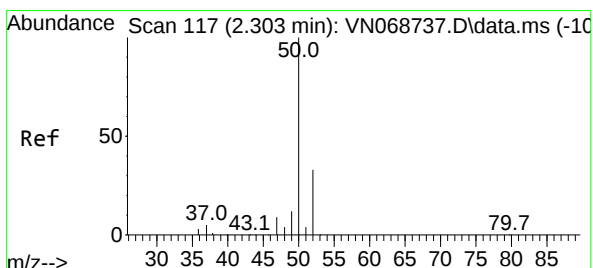
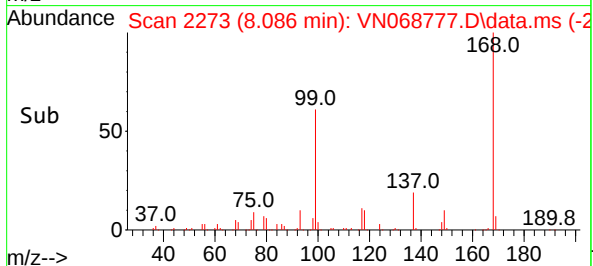
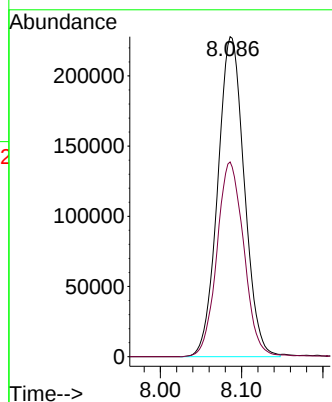
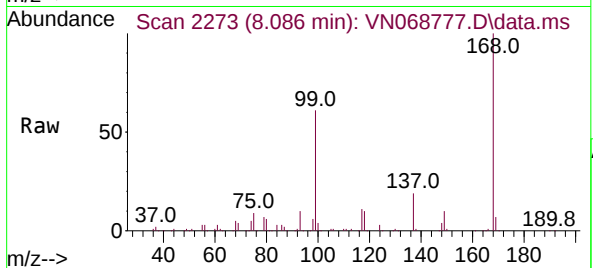




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

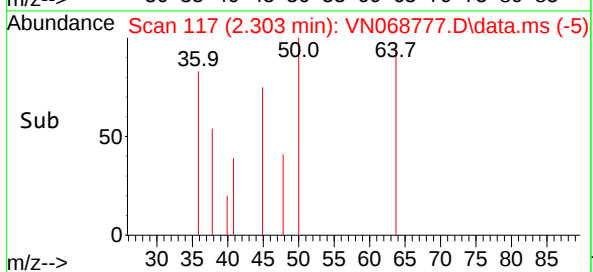
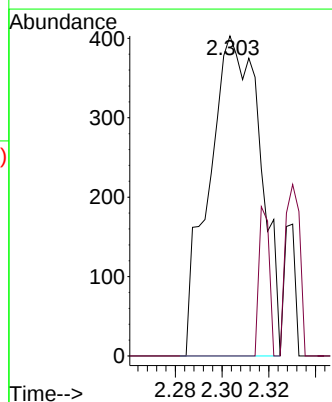
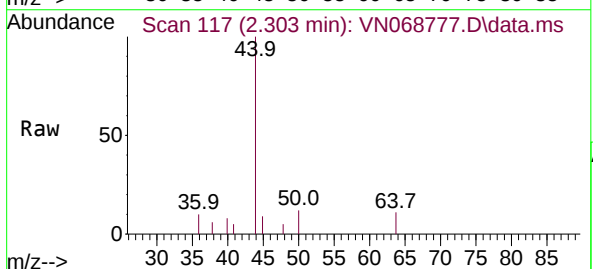
Instrument :
MSVOA_N
ClientSampled :

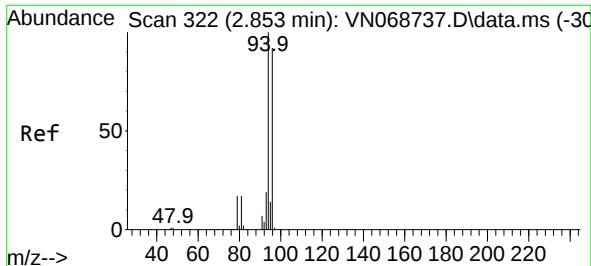
Tgt Ion:168 Resp: 517321
Ion Ratio Lower Upper
168 100
99 60.9 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

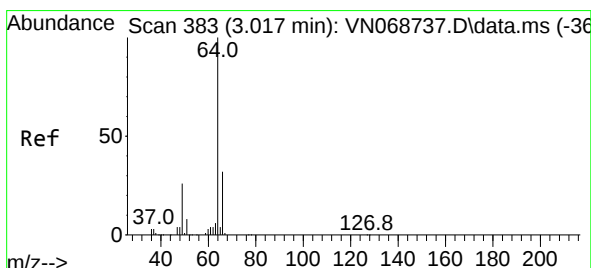
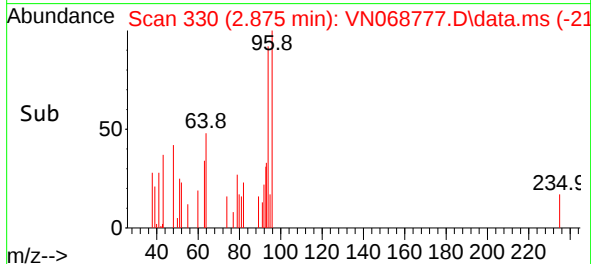
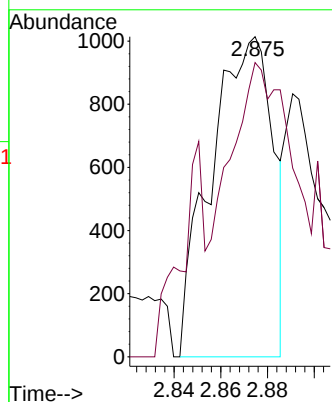
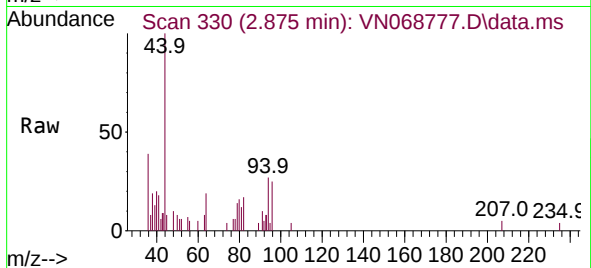




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 330
Delta R.T. 0.022 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

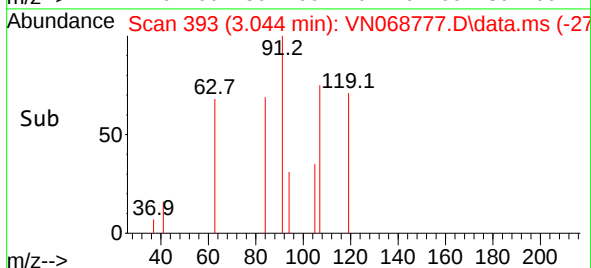
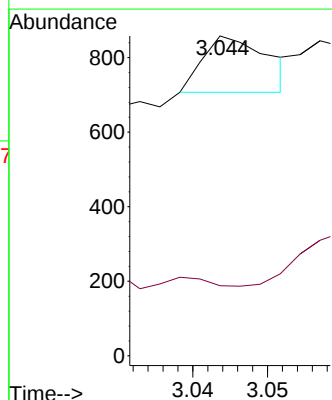
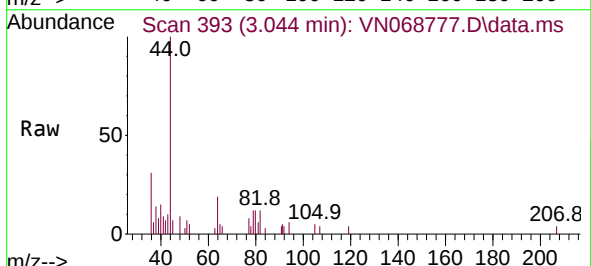
Instrument :
MSVOA_N
ClientSampled :

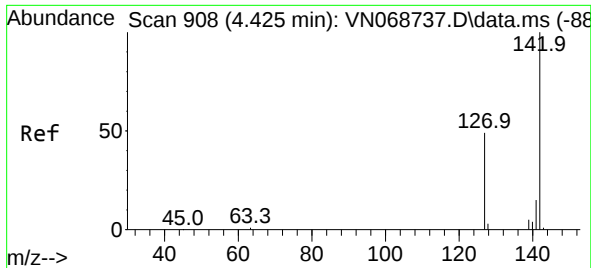
Tgt Ion: 94 Resp: 1865
Ion Ratio Lower Upper
94 100
96 65.1 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.044 min Scan# 393
Delta R.T. 0.027 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

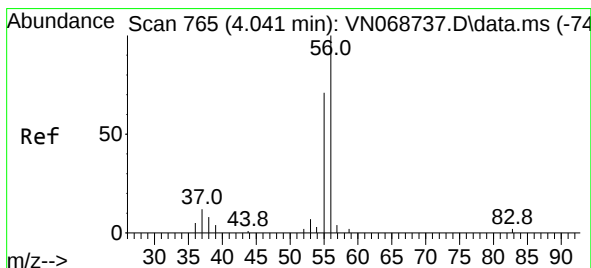
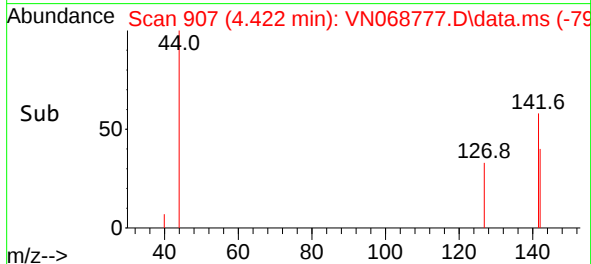
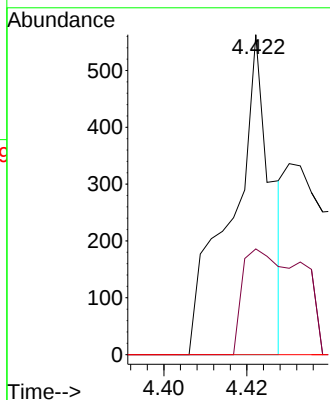
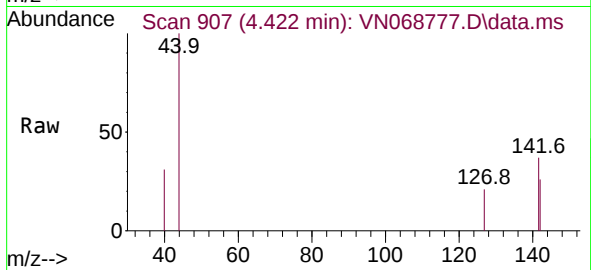




#10
Methyl Iodide
Concen: 1.420 ug/l
RT: 4.422 min Scan# 907
Delta R.T. -0.003 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

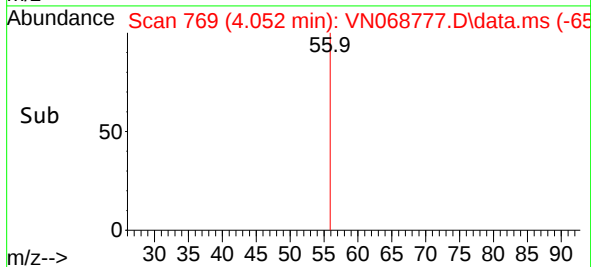
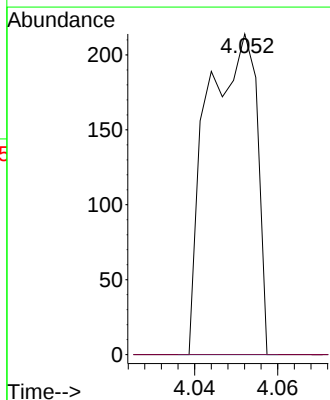
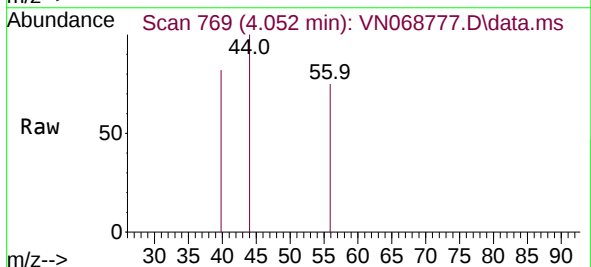
Instrument :
MSVOA_N
ClientSampled :

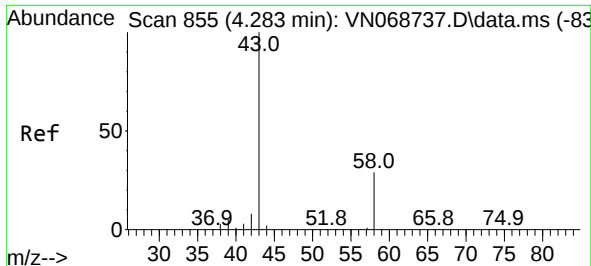
Tgt Ion:142 Resp: 370
Ion Ratio Lower Upper
142 100
127 50.0 43.1 64.7
141 0.0 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

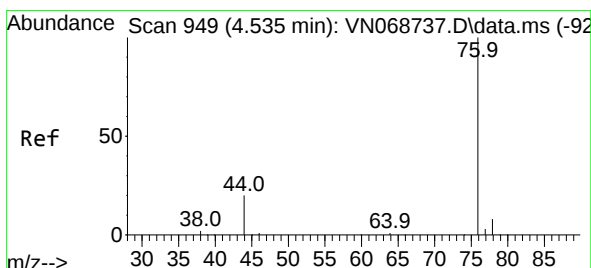
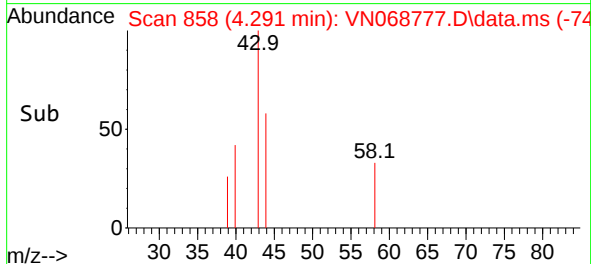
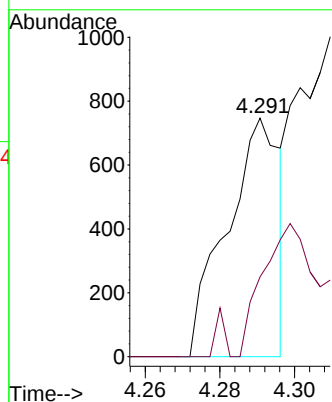
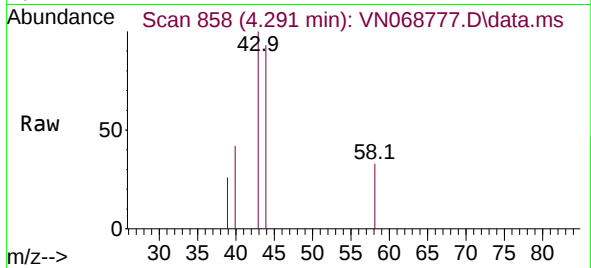




#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. 0.008 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

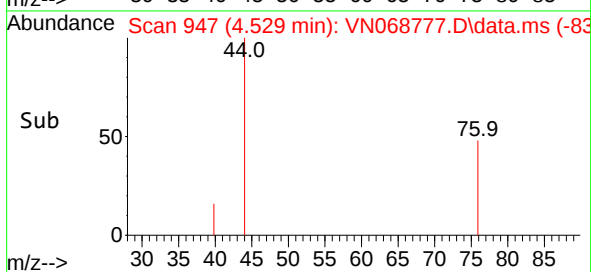
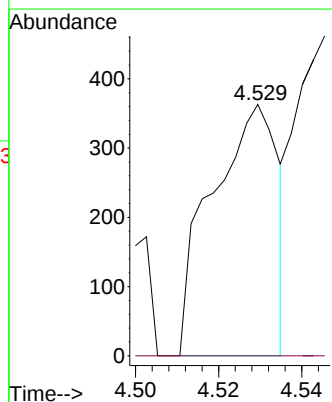
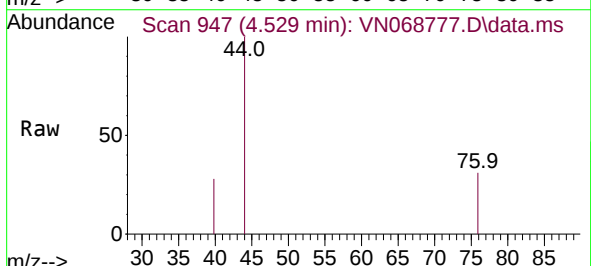
Instrument :
MSVOA_N
ClientSampled :

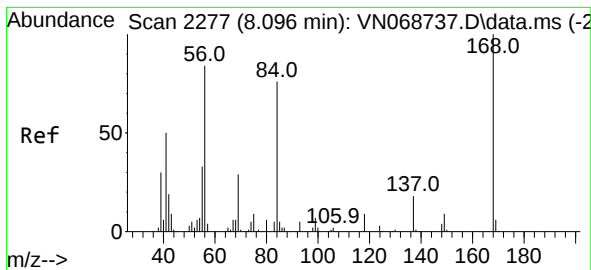
Tgt Ion: 43 Resp: 731
Ion Ratio Lower Upper
43 100
58 33.5 21.2 31.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 76 Resp: 402
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

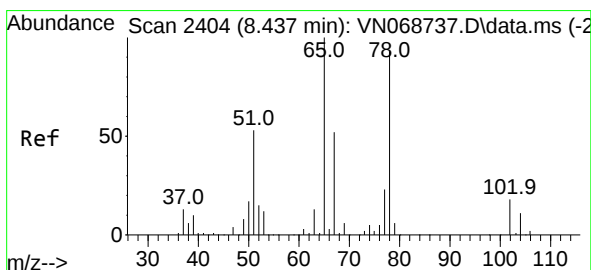
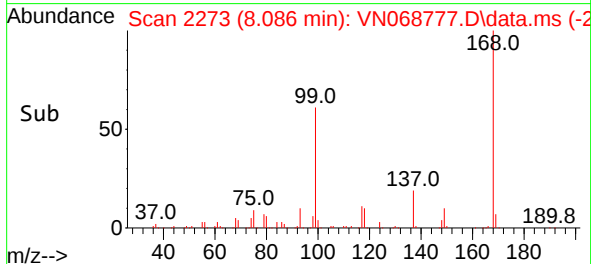
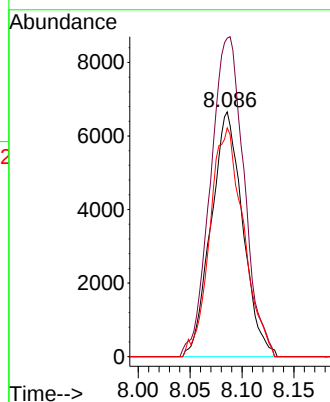
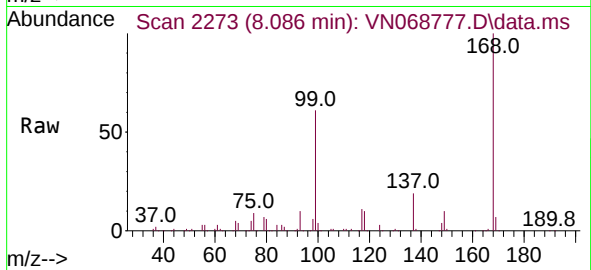




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

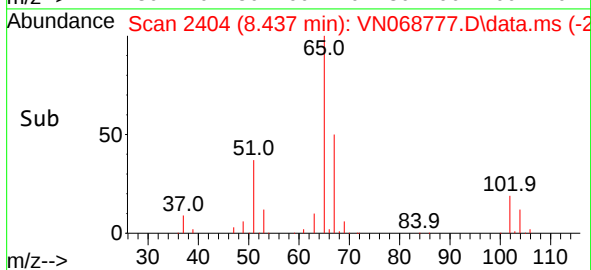
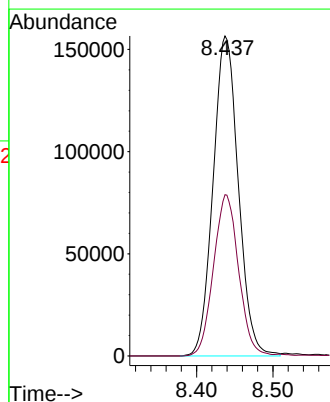
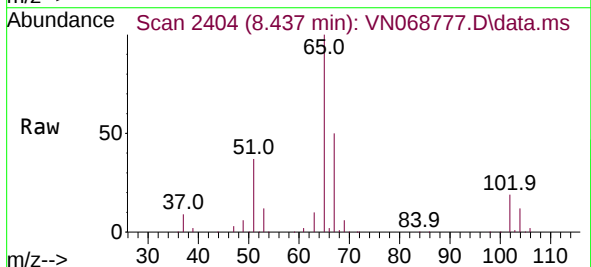
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MSVOA_N
ClientSampleId :

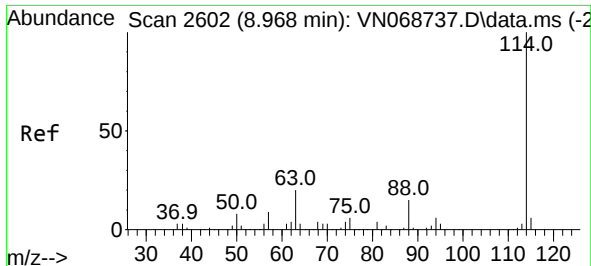
Tgt Ion: 56 Resp: 14125
Ion Ratio Lower Upper
56 100
69 130.1 27.3 40.9#
84 93.5 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 49.948 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 65 Resp: 360020
Ion Ratio Lower Upper
65 100
67 50.0 0.0 98.6

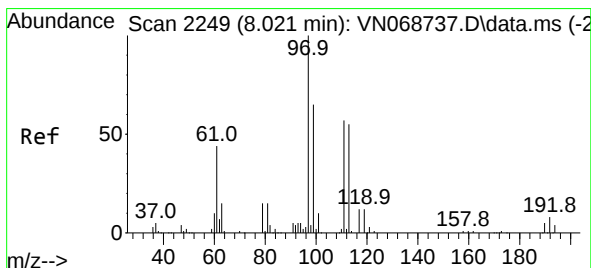
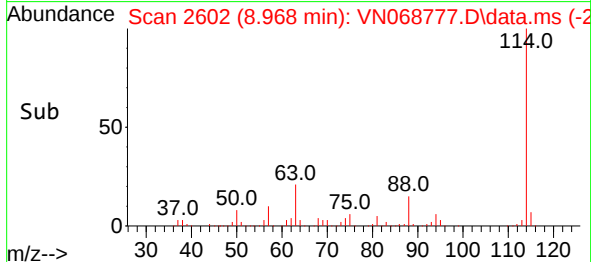
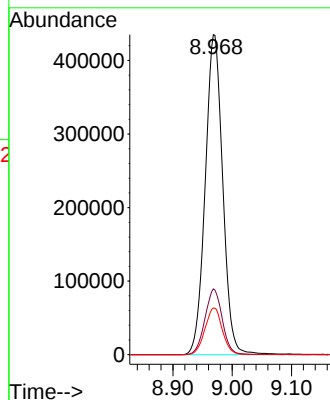
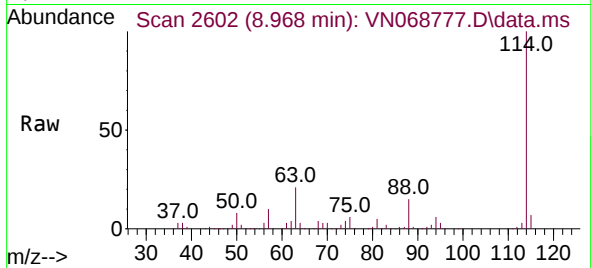




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

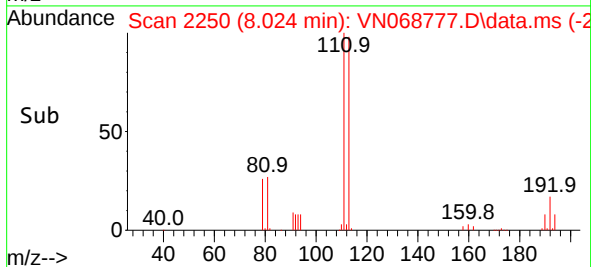
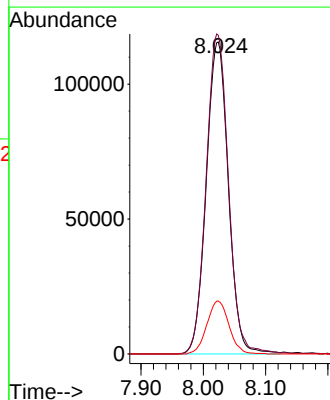
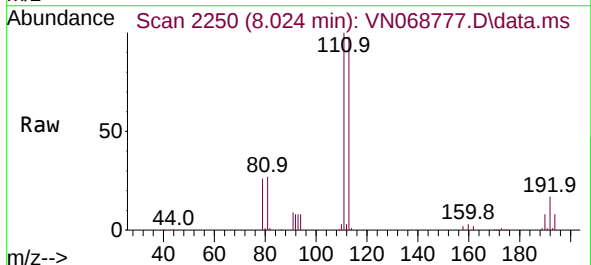
Instrument :
MSVOA_N
ClientSampled :

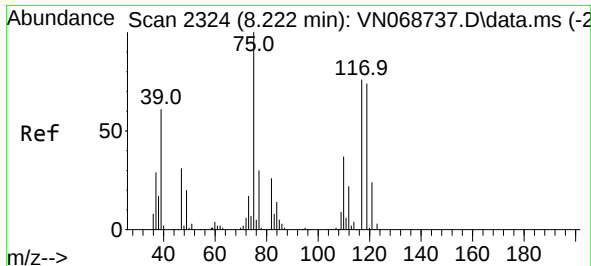
Tgt Ion:114 Resp: 890549
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.622 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion:113 Resp: 285636
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.8
192 17.0 13.4 20.0

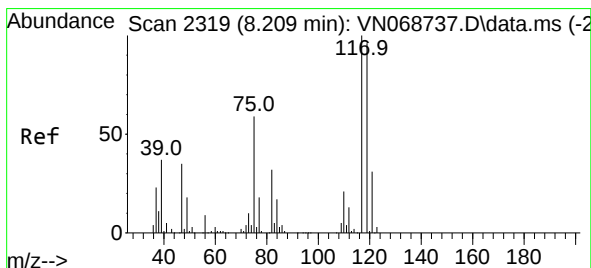
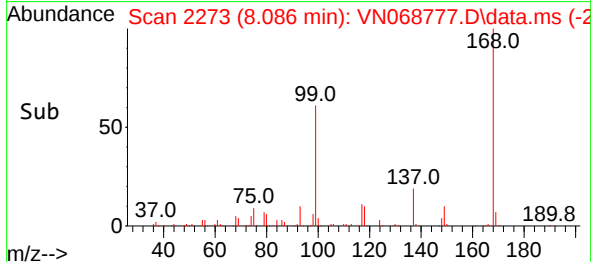
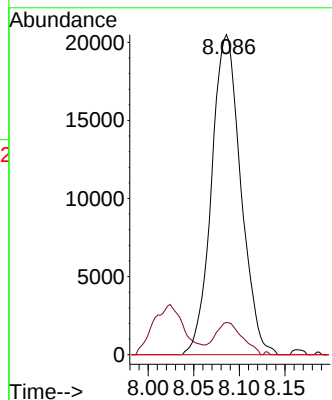
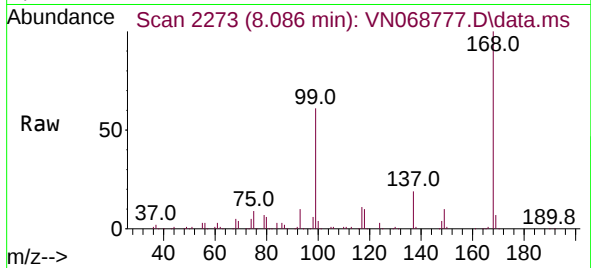




#36
1,1-Dichloropropene
Concen: 5.462 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

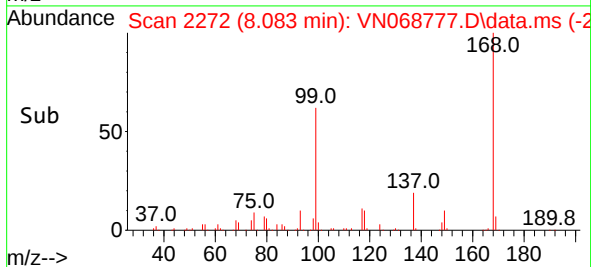
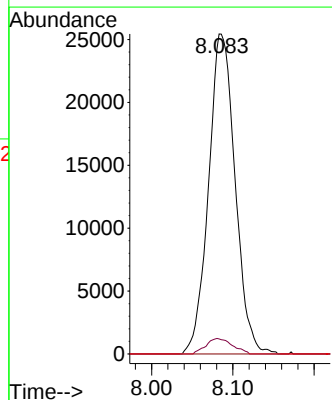
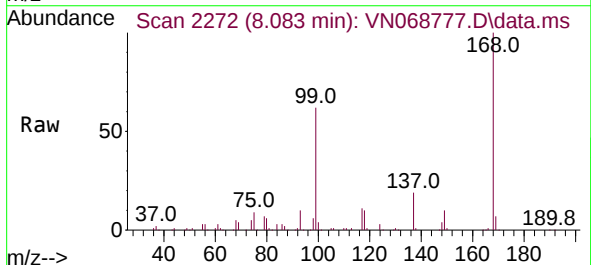
Instrument :
MSVOA_N
ClientSampled :

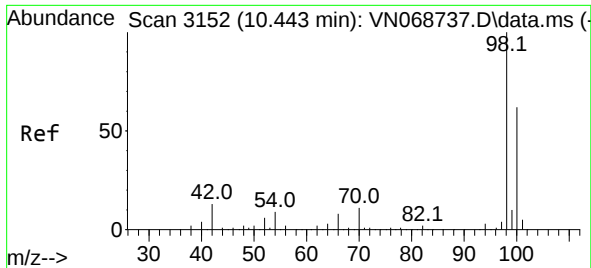
Tgt Ion: 75 Resp: 45750
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.805 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.126 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 117 Resp: 57755
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

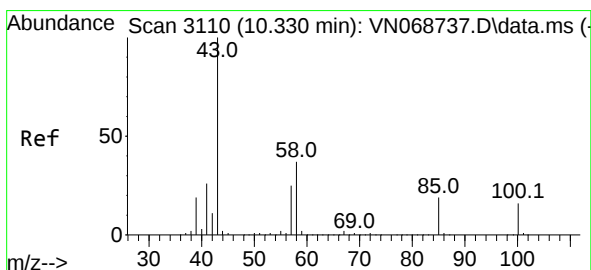
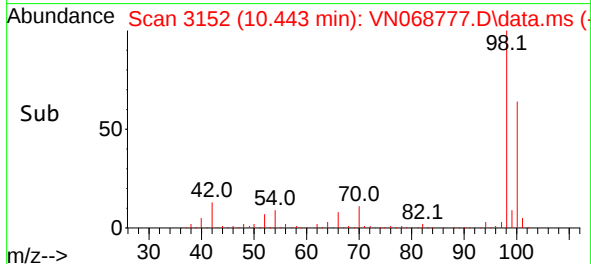
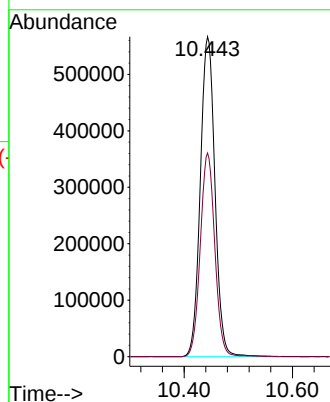
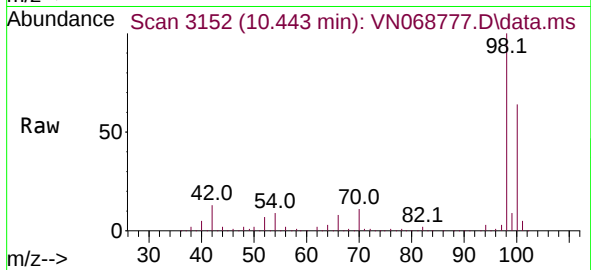




#50
Toluene-d8
Concen: 52.501 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

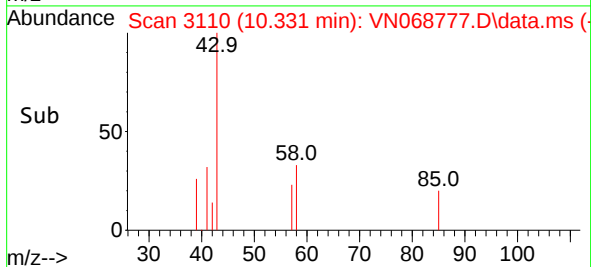
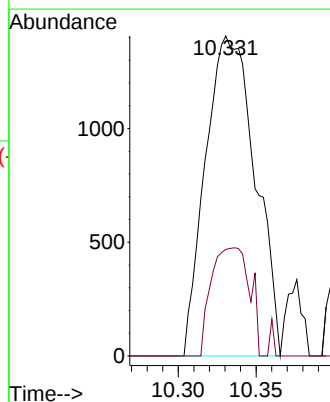
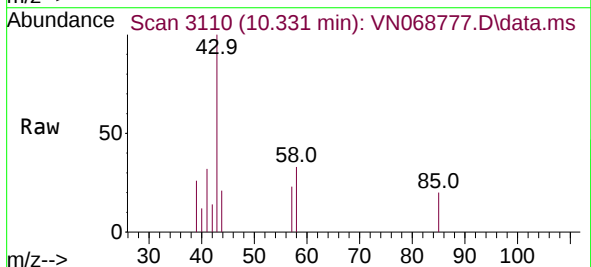
Instrument :
MSVOA_N
ClientSampled :

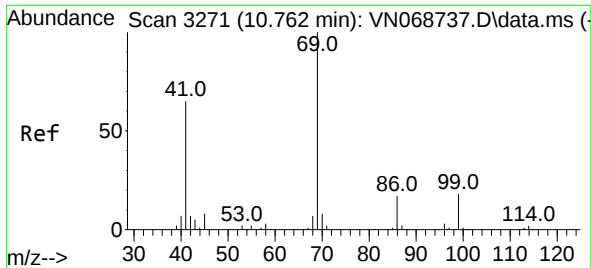
Tgt Ion: 98 Resp: 1061543
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.353 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
58 26.0 28.6 43.0#

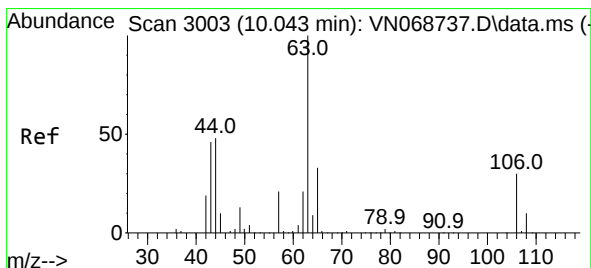
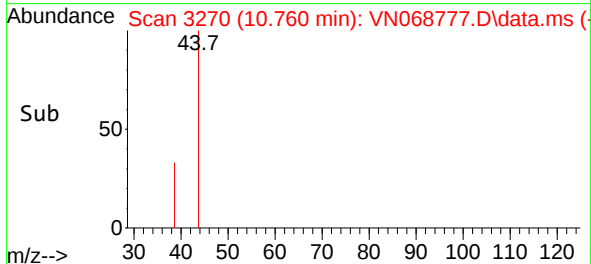
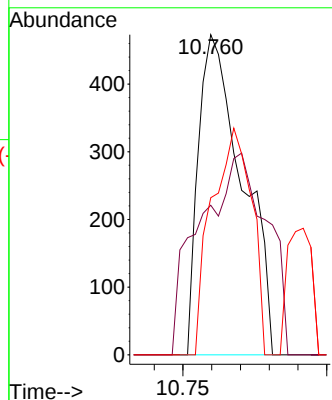
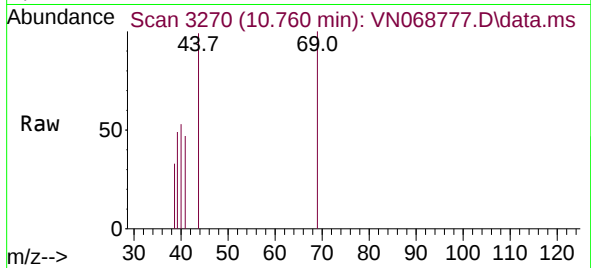




#56
Ethyl methacrylate
Concen: 1.868 ug/l
RT: 10.760 min Scan# 3270
Delta R.T. -0.002 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

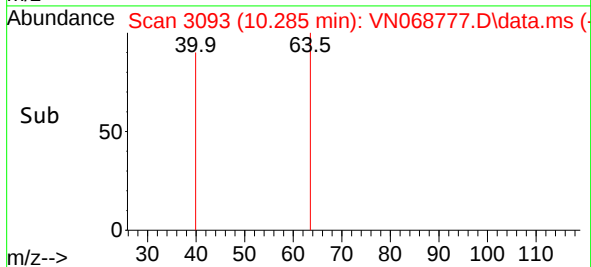
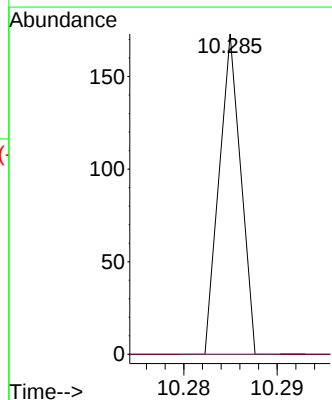
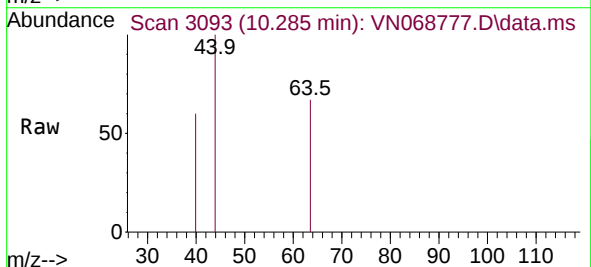
Instrument :
MSVOA_N
ClientSampled :

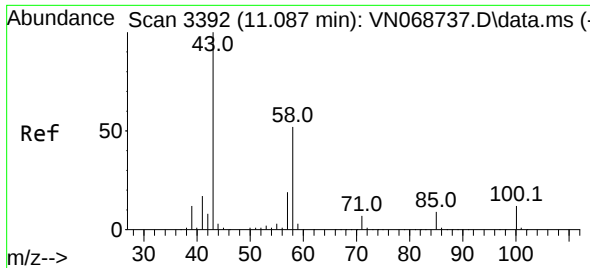
Tgt Ion: 69 Resp: 503
Ion Ratio Lower Upper
69 100
41 95.4 58.6 88.0#
39 64.0 38.3 57.5#



#58
2-Chloroethyl Vinyl ether
Concen: 3.254 ug/l
RT: 10.285 min Scan# 3093
Delta R.T. 0.242 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 63 Resp: 28
Ion Ratio Lower Upper
63 100
106 0.0 19.8 29.8#

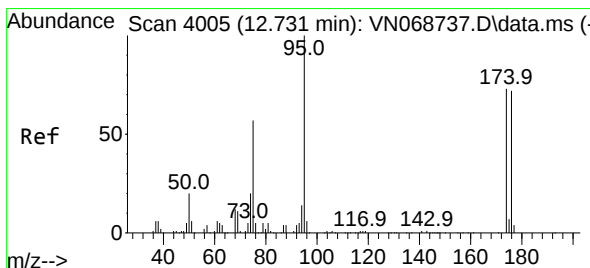
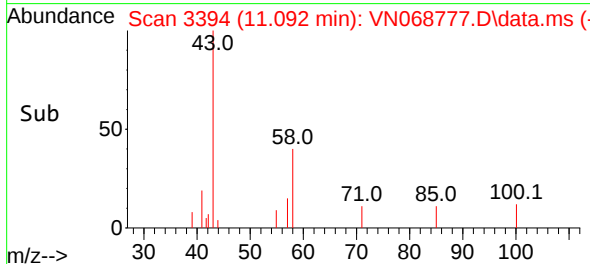
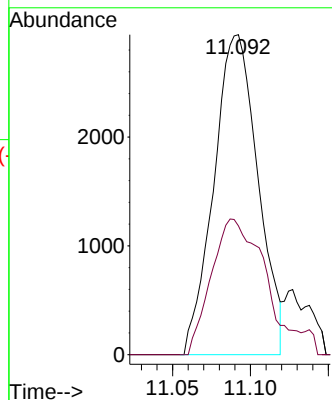
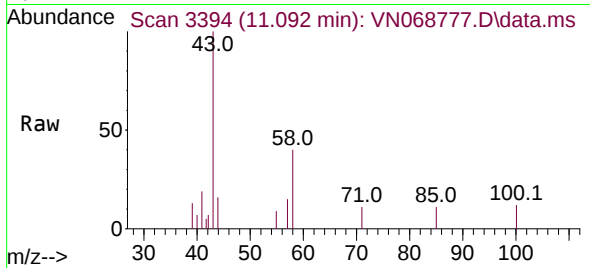




#59
2-Hexanone
Concen: 0.953 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

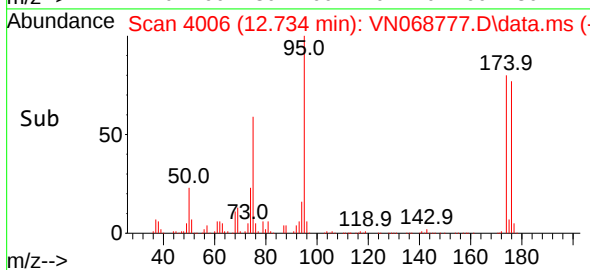
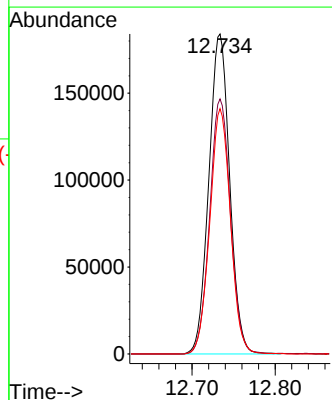
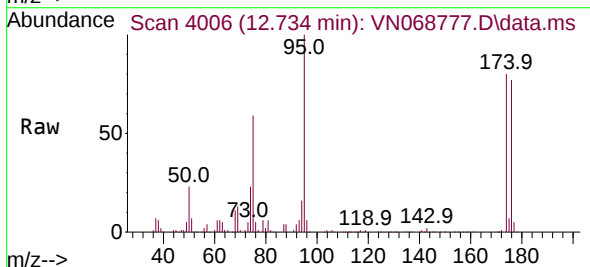
Instrument :
MSVOA_N
ClientSampled :

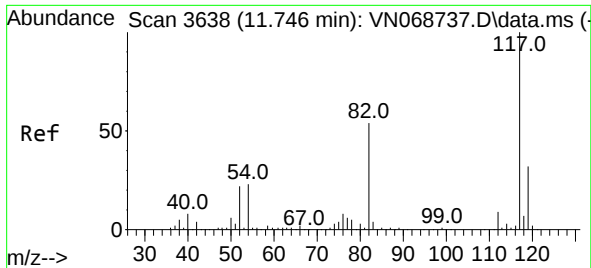
Tgt Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
58 51.6 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 45.617 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 95 Resp: 320490
Ion Ratio Lower Upper
95 100
174 79.7 0.0 122.0
176 76.0 0.0 117.6

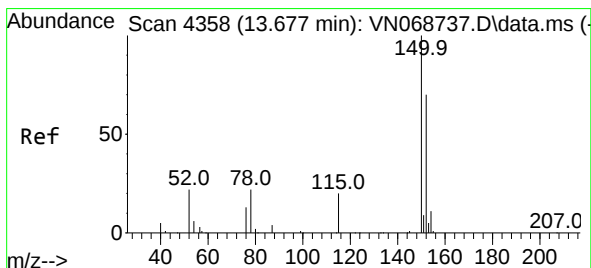
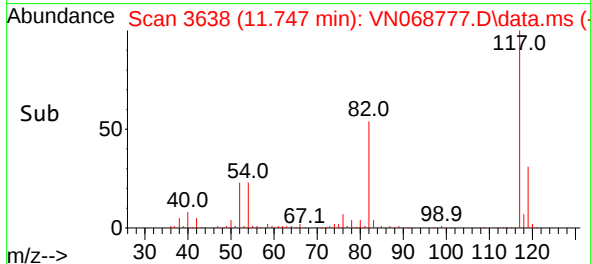
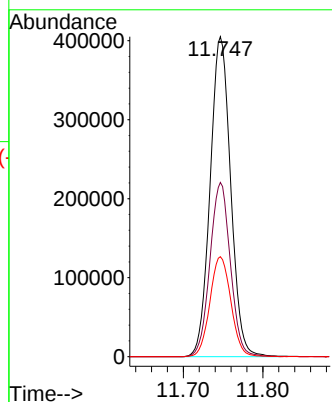
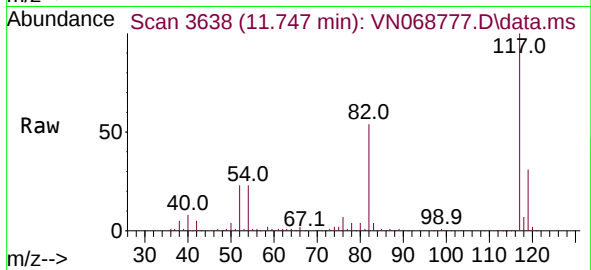




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

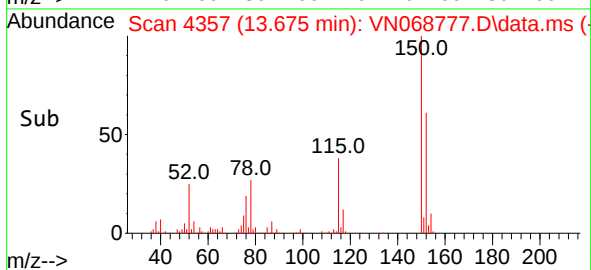
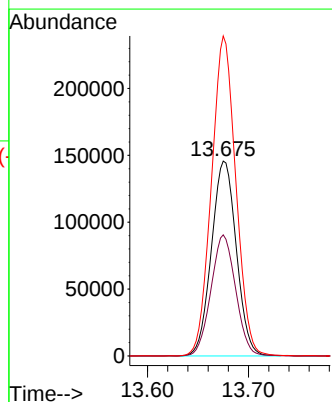
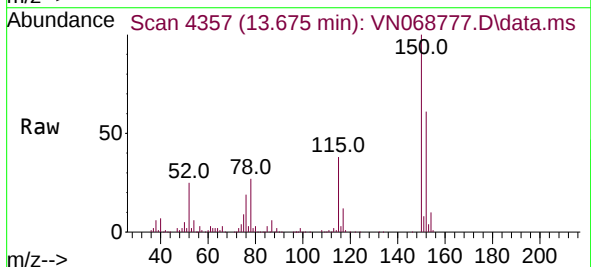
Instrument :
MSVOA_N
ClientSampleId :

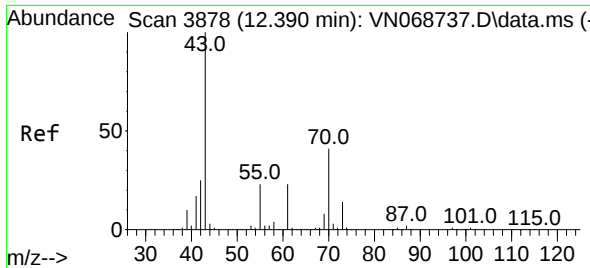
Tgt Ion:117 Resp: 727756
Ion Ratio Lower Upper
117 100
82 54.4 53.1 79.7
119 31.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion:152 Resp: 249656
Ion Ratio Lower Upper
152 100
115 61.6 36.1 108.5
150 160.6 0.0 351.8



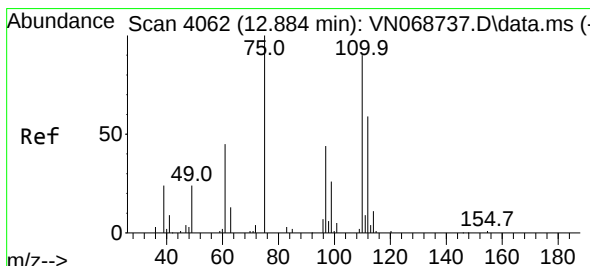
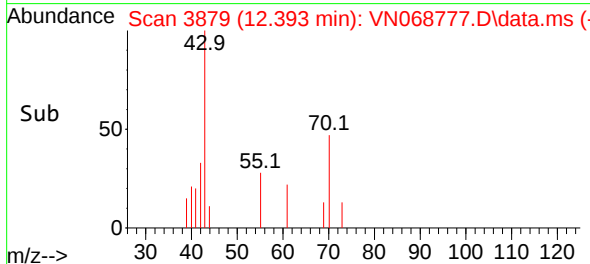
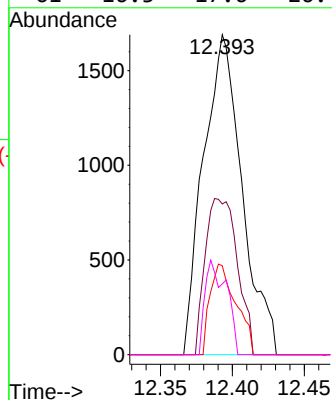
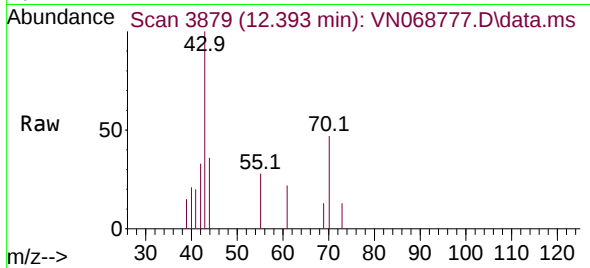


#74
N-amy1 acetate
Concen: 0.440 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 3157

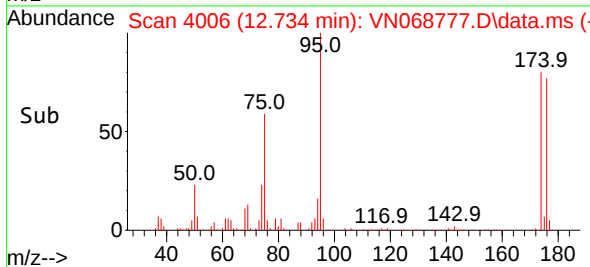
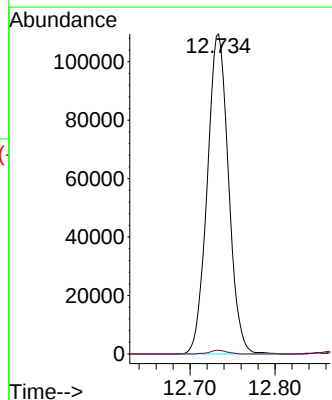
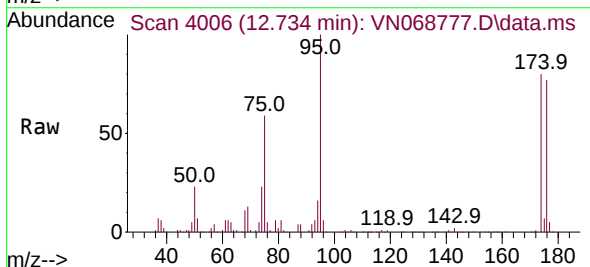
Ion	Ratio	Lower	Upper
43	100		
70	40.6	29.4	44.2
55	19.1	17.0	25.4
61	16.3	17.6	26.4

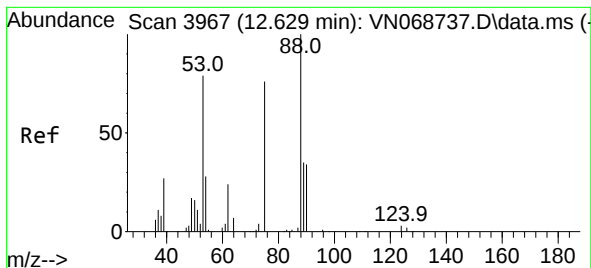


#76
1,2,3-Trichloropropane
Concen: 34.264 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 75 Resp: 190237

Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0

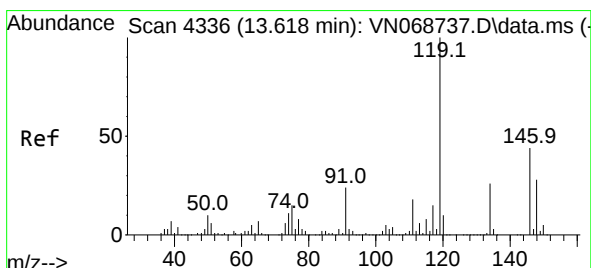
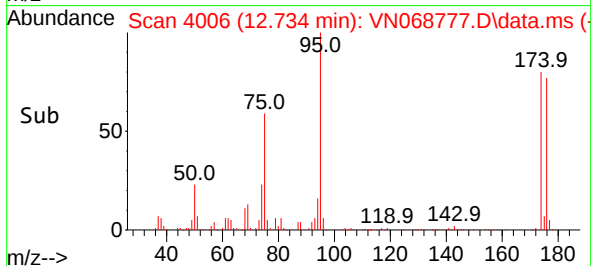
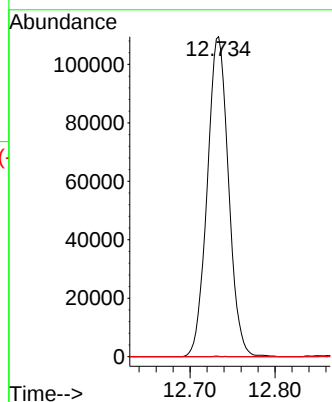
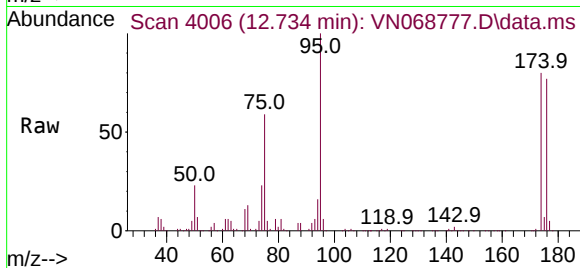




#81
trans-1,4-Dichloro-2-butene
Concen: 99.606 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

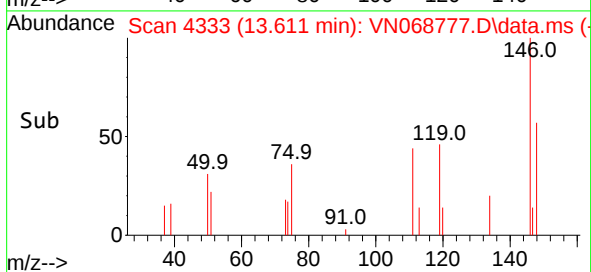
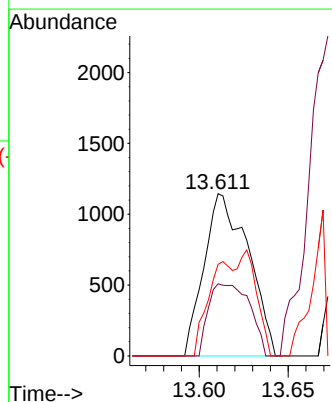
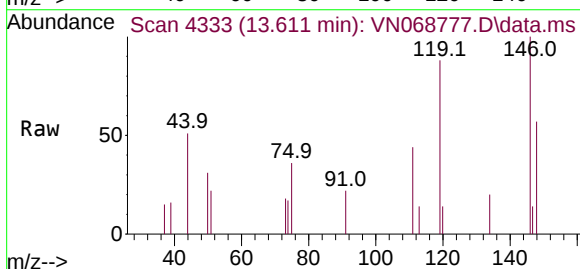
Instrument :
MSVOA_N
ClientSampleId :

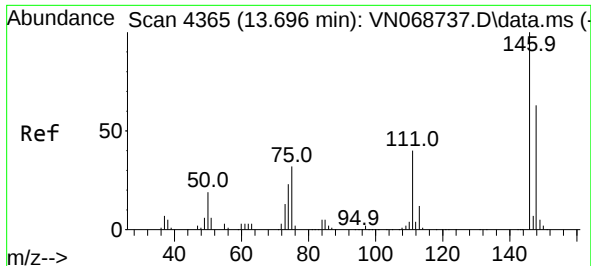
Tgt Ion: 75 Resp: 190237
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#87
1,3-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.611 min Scan# 4333
Delta R.T. -0.007 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion:146 Resp: 1978
Ion Ratio Lower Upper
146 100
111 41.2 24.3 72.8
148 32.7 32.0 96.0

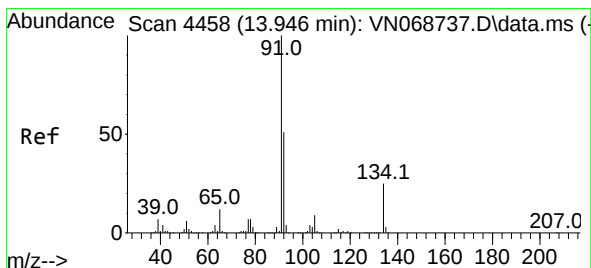
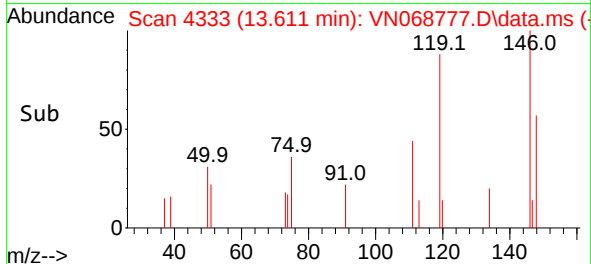
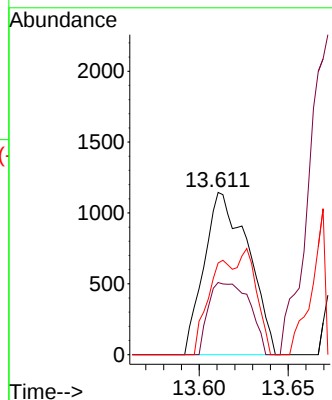
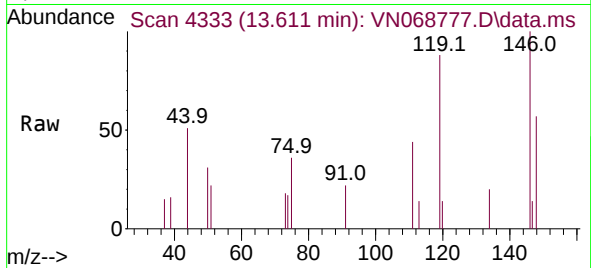




#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.611 min Scan# 4333
Delta R.T. -0.085 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

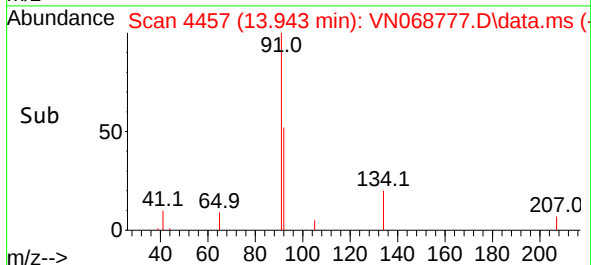
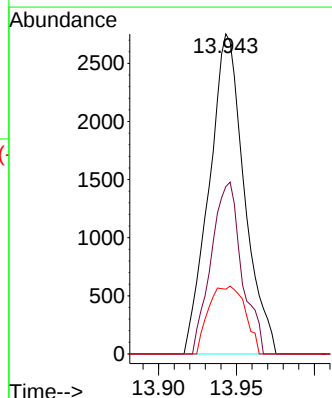
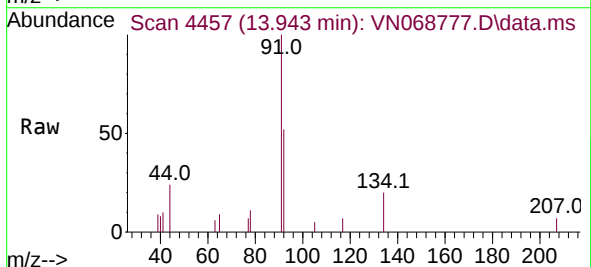
Instrument :
MSVOA_N
ClientSampleId :

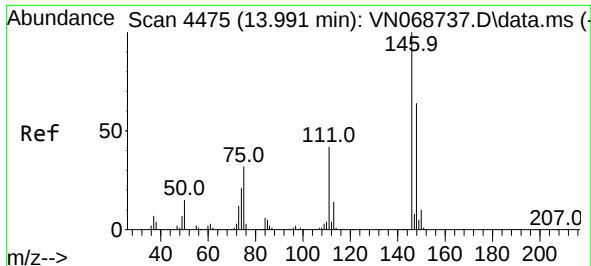
Tgt Ion:146 Resp: 1978
Ion Ratio Lower Upper
146 100
111 41.2 23.4 70.2
148 32.7 31.8 95.3



#89
n-Butylbenzene
Concen: 0.271 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

Tgt Ion: 91 Resp: 4298
Ion Ratio Lower Upper
91 100
92 46.9 25.7 77.1
134 22.0 11.2 33.6

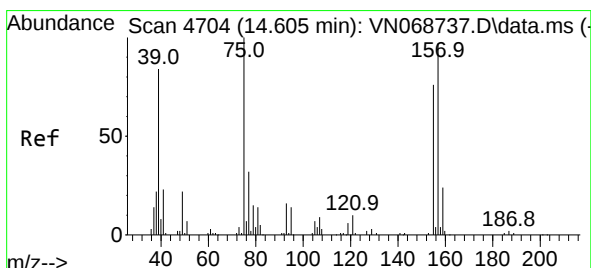
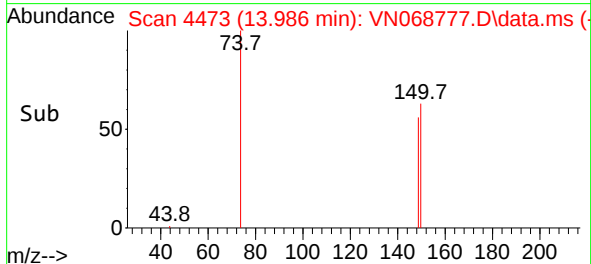
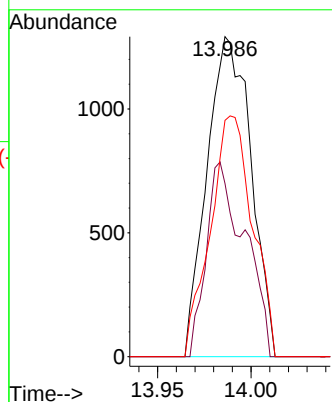
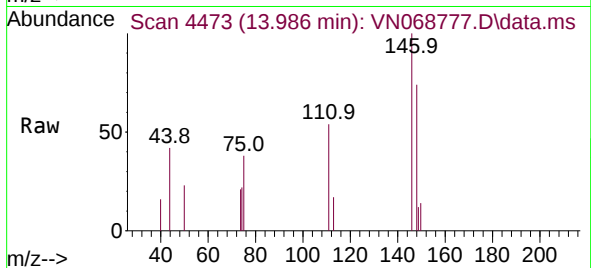




#91
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. -0.005 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

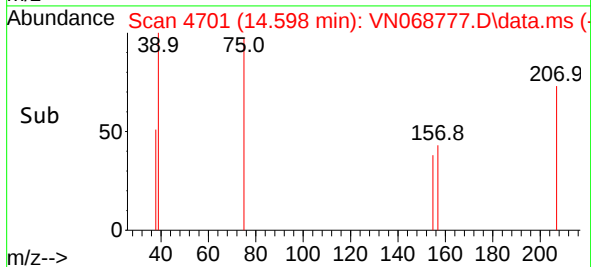
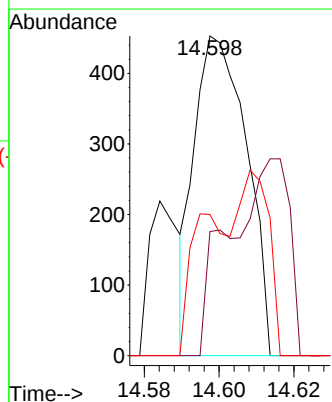
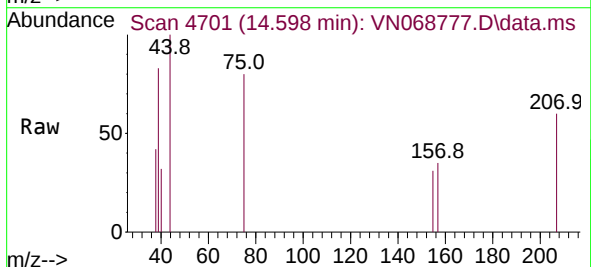
Instrument :
MSVOA_N
ClientSampleId :

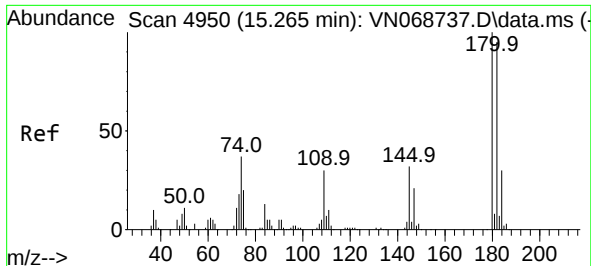
Tgt Ion:146 Resp: 2116
Ion Ratio Lower Upper
146 100
111 53.0 24.9 74.6
148 72.3 31.6 95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.374 ug/l
RT: 14.598 min Scan# 4701
Delta R.T. -0.007 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

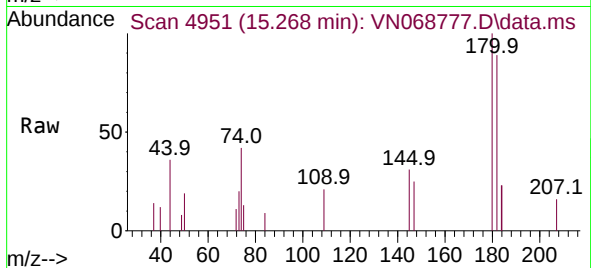
Tgt Ion: 75 Resp: 439
Ion Ratio Lower Upper
75 100
155 19.1 29.8 89.5#
157 32.8 37.6 112.8#



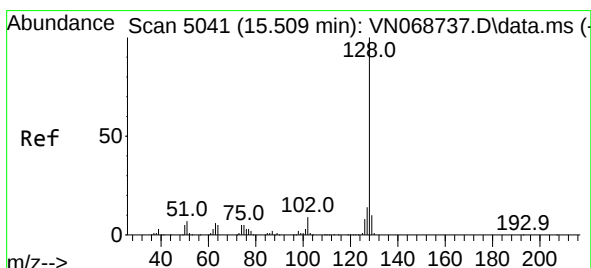
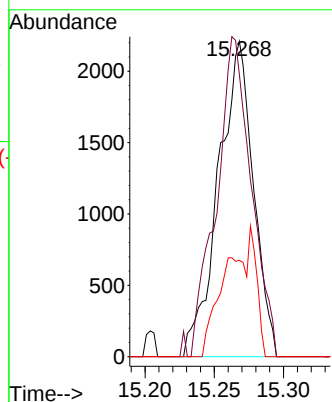
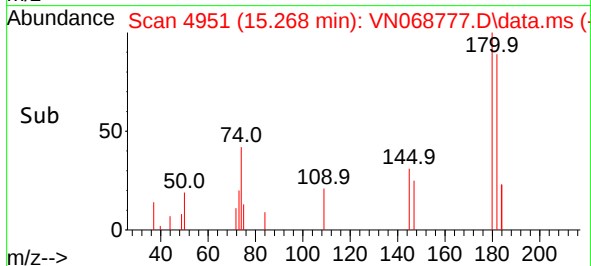


#93
1,2,4-Trichlorobenzene
Concen: 0.942 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23

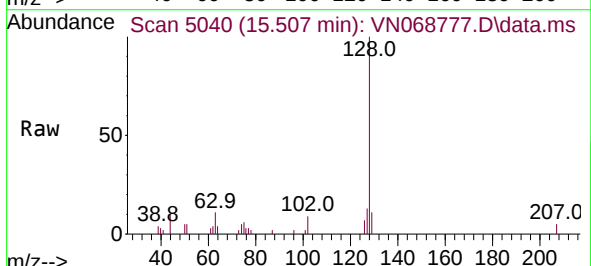
Instrument :
MSVOA_N
ClientSampled :



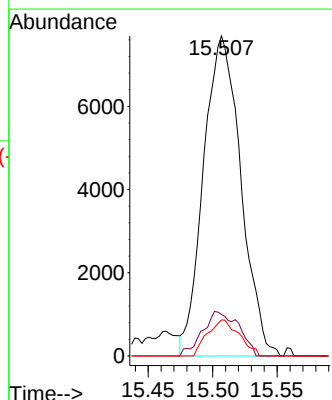
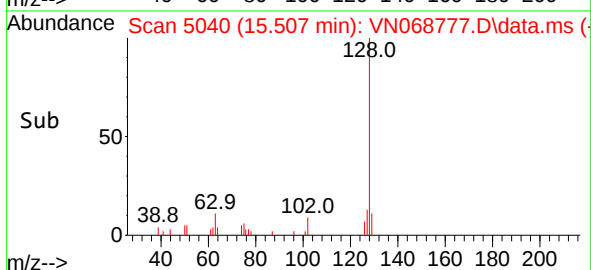
Tgt Ion:180 Resp: 3880
Ion Ratio Lower Upper
180 100
182 101.2 47.5 142.5
145 23.2 17.2 51.6

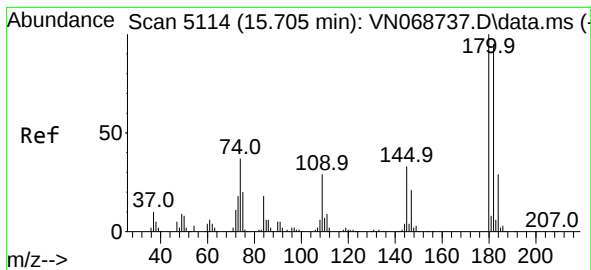


#95
Naphthalene
Concen: 2.727 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068777.D
Acq: 1 Oct 2021 12:23



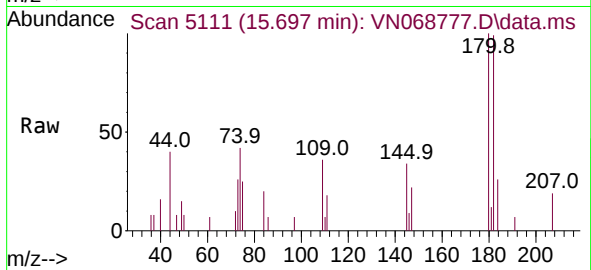
Tgt Ion:128 Resp: 15510
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 9.5 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.246 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.008 min
 Lab File: VN068777.D
 Acq: 1 Oct 2021 12:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 4919
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.8 143.3
 145 33.6 18.2 54.6

