

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092921\
 Data File : VN068747.D
 Acq On : 29 Sep 2021 18:40
 Operator : JC/MD
 Sample : M3986-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-RR-03-(SA)

Quant Time: Sep 29 23:42:40 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)

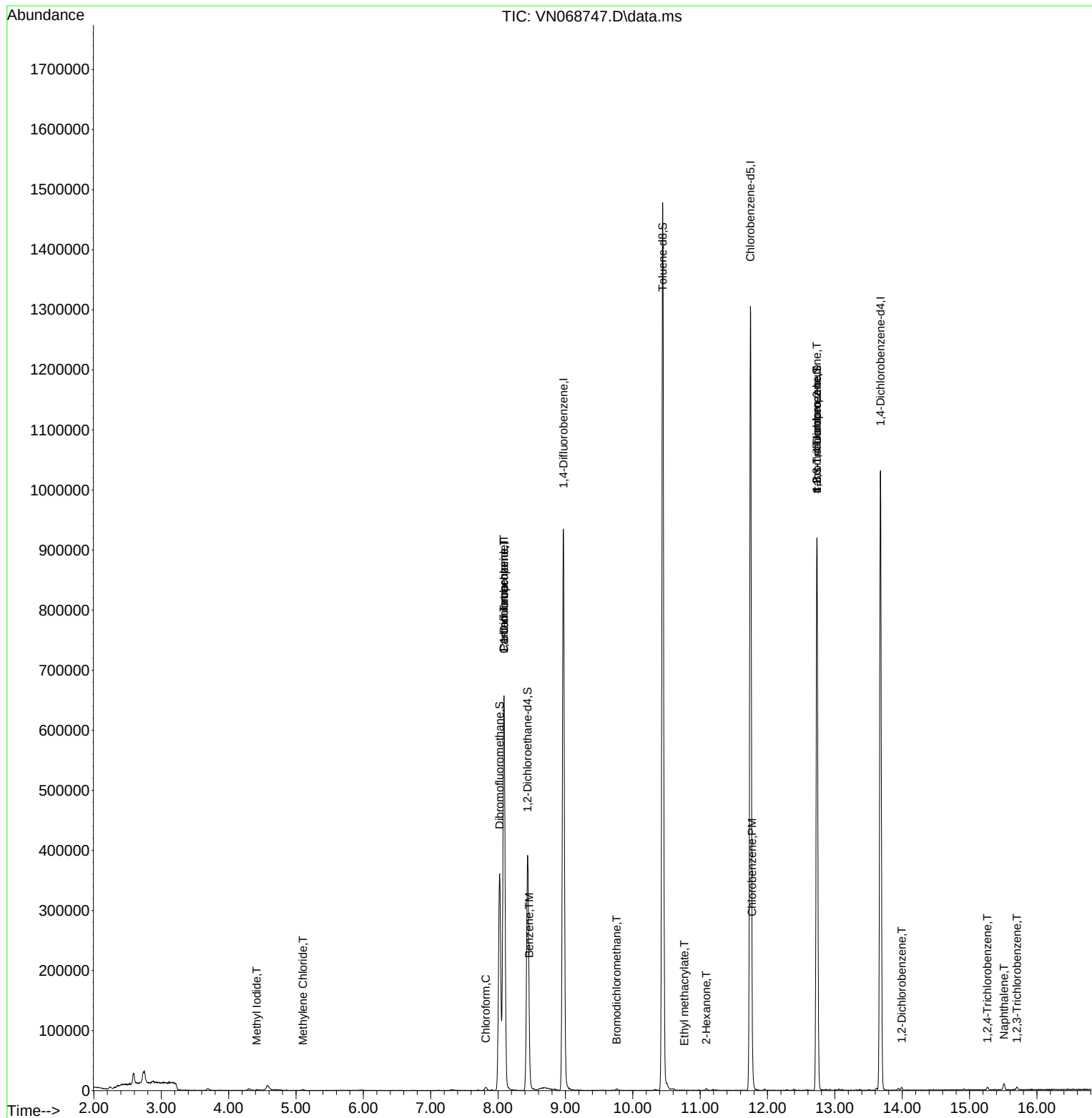
Internal Standards						
1) Pentafluorobenzene	8.088	168	479836	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	823877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	739597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	262844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	326155	48.784	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.560%		
35) Dibromofluoromethane	8.024	113	254761	49.768	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.540%		
50) Toluene-d8	10.443	98	1019933	54.526	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.060%		
62) 4-Bromofluorobenzene	12.734	95	291905	44.910	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1200	Below Cal	#	53
5) Bromomethane	2.880	94	3228	Below Cal		97
6) Chloroethane	3.052	64	312	Below Cal	#	71
10) Methyl Iodide	4.417	142	411	1.434	ug/l #	33
13) Acrolein	4.052	56	52	Below Cal	#	72
16) Acetone	4.299	43	3005	Below Cal		95
17) Carbon Disulfide	4.532	76	774	Below Cal	#	74
20) Methylene Chloride	5.103	84	1331	0.229	ug/l #	72
30) Chloroform	7.818	83	5007	0.423	ug/l	93
31) Cyclohexane	8.088	56	12855	Below Cal	#	32
36) 1,1-Dichloropropene	8.086	75	42069	5.429	ug/l #	52
38) Carbon Tetrachloride	8.086	117	53126	5.772	ug/l #	16
40) Benzene	8.461	78	7471	0.317	ug/l	95
47) Bromodichloromethane	9.762	83	2141	0.228	ug/l #	95
56) Ethyl methacrylate	10.765	69	194	1.843	ug/l #	52
59) 2-Hexanone	11.092	43	2294	0.407	ug/l #	58
65) Chlorobenzene	11.771	112	6083	0.361	ug/l	91
76) 1,2,3-Trichloropropane	12.734	75	172604	29.528	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	172604	85.839	ug/l #	6
91) 1,2-Dichlorobenzene	13.994	146	2183	0.228	ug/l	93
93) 1,2,4-Trichlorobenzene	15.265	180	1720	0.397	ug/l #	50
95) Naphthalene	15.512	128	9679	2.206	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.703	180	1826	0.439	ug/l	78

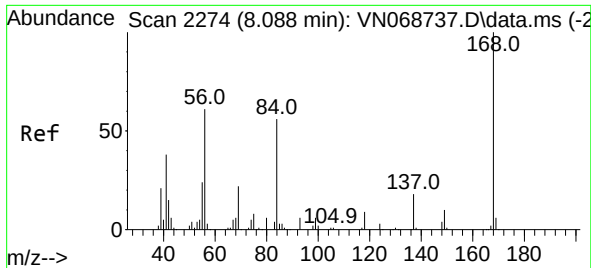
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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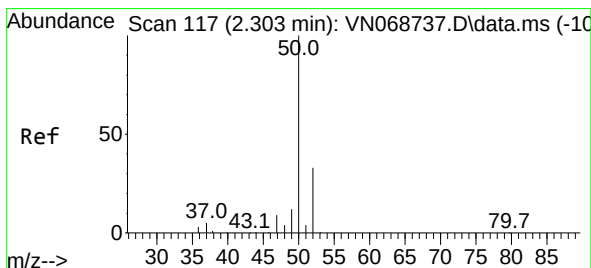
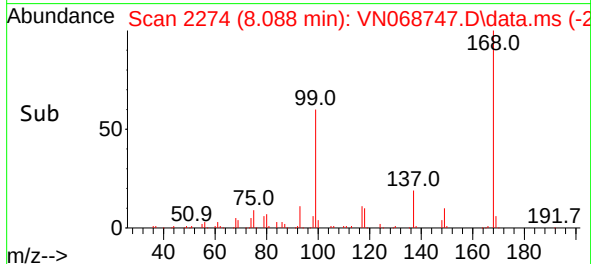
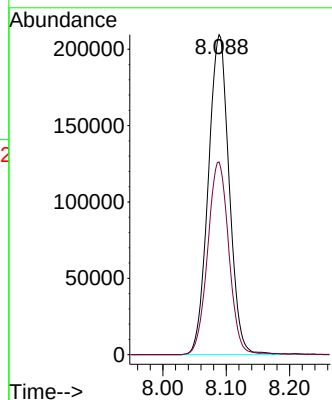
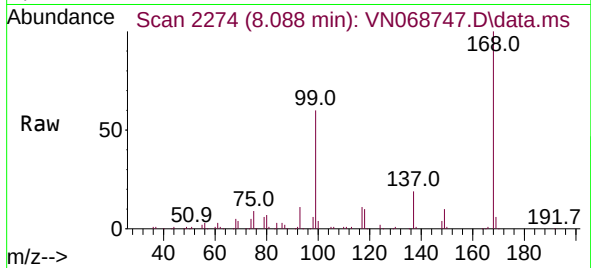




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

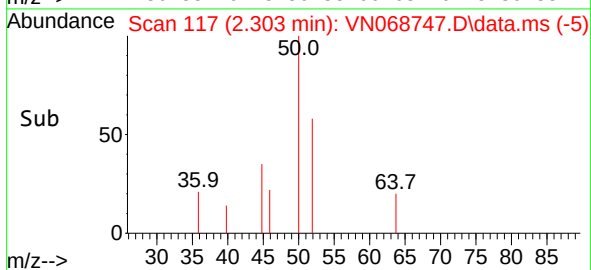
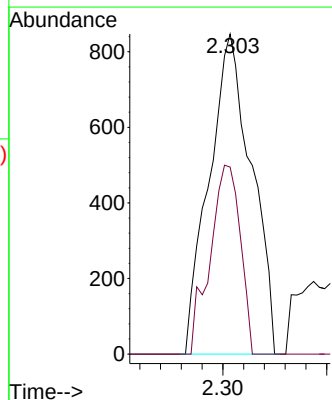
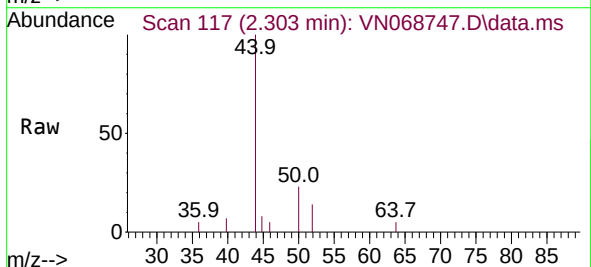
Instrument :
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ClientSampleId :
SW-RR-03-(SA)

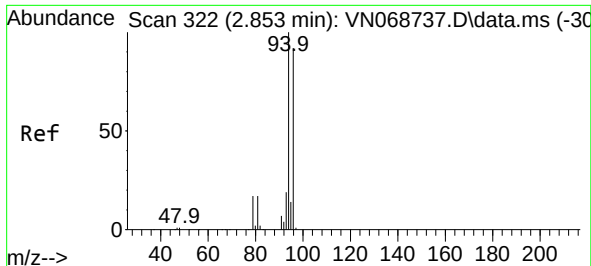
Tgt Ion:168 Resp: 479836
Ion Ratio Lower Upper
168 100
99 60.3 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 50 Resp: 1200
Ion Ratio Lower Upper
50 100
52 58.4 25.6 38.4#

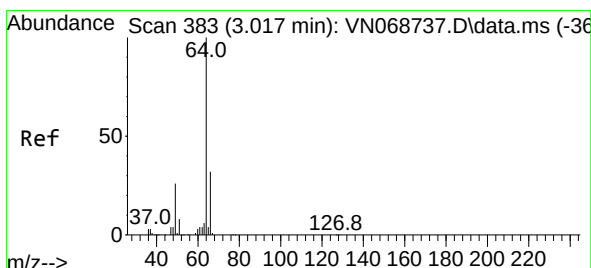
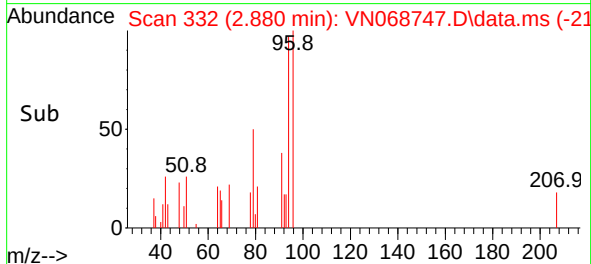
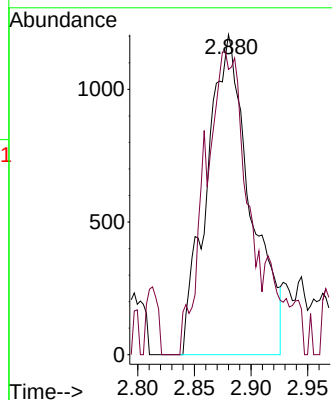
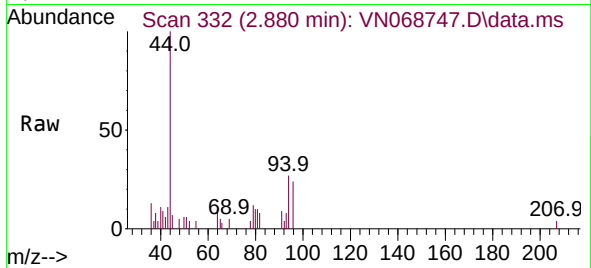




#5
Bromomethane
Concen: Below Cal
RT: 2.880 min Scan# 332
Delta R.T. 0.027 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

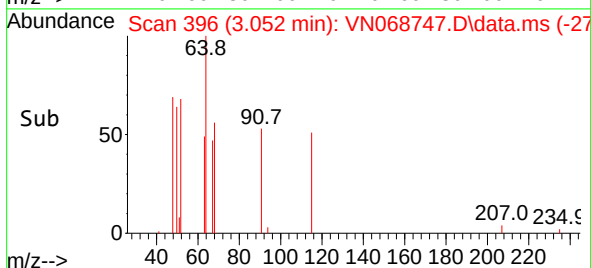
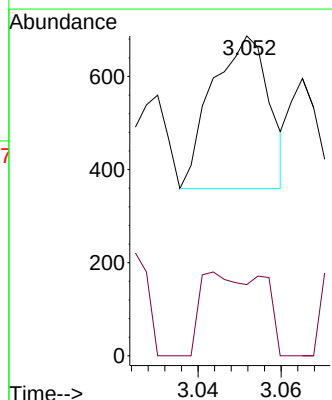
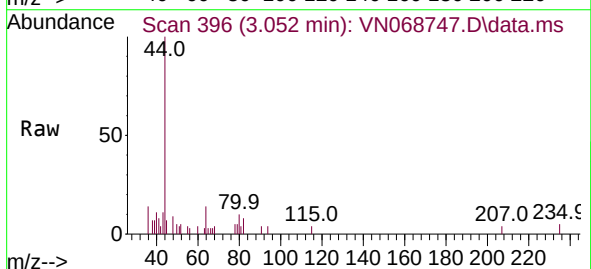
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03-(SA)

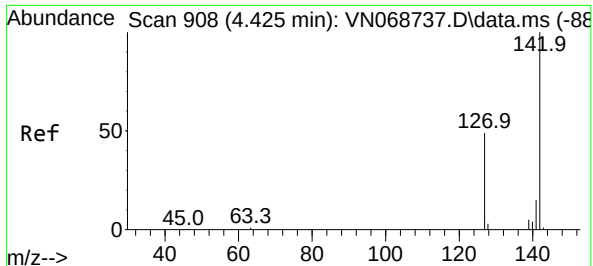
Tgt Ion: 94 Resp: 3228
Ion Ratio Lower Upper
94 100
96 89.1 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.052 min Scan# 396
Delta R.T. 0.035 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 46.6 24.7 37.1#

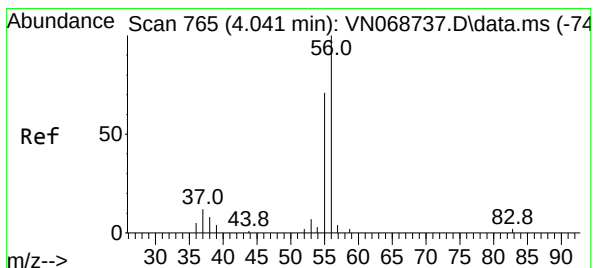
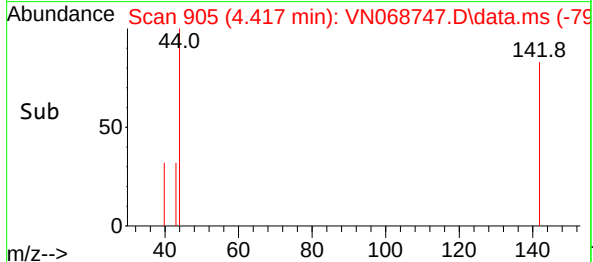
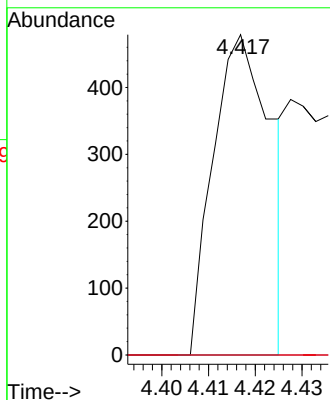
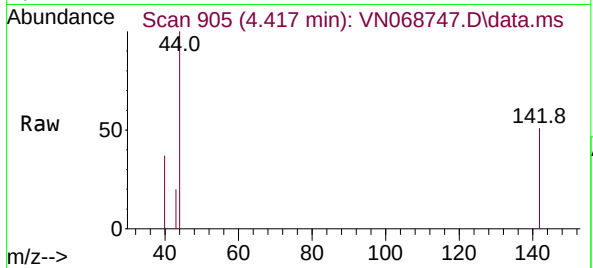




#10
Methyl Iodide
Concen: 1.434 ug/l
RT: 4.417 min Scan# 905
Delta R.T. -0.008 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

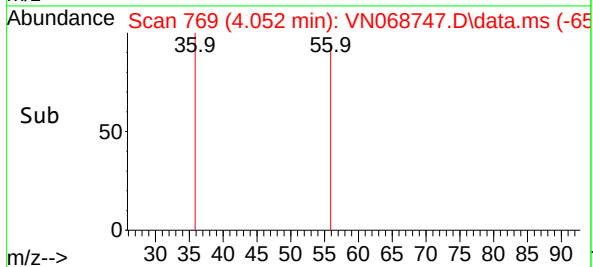
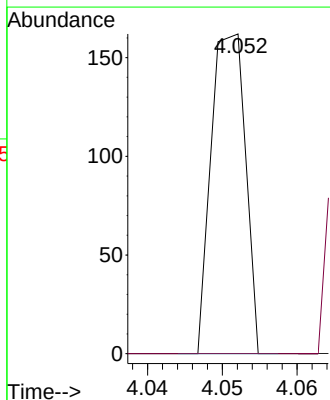
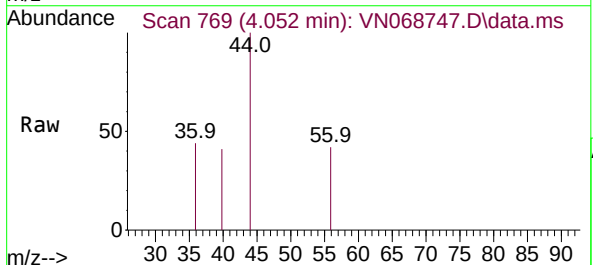
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03-(SA)

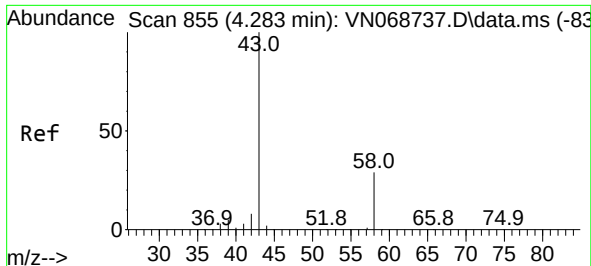
Tgt Ion:142 Resp: 411
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 48.1 57.4 86.0#

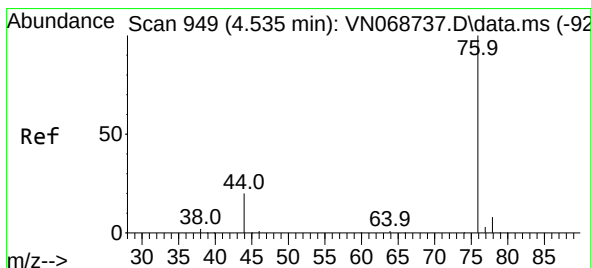
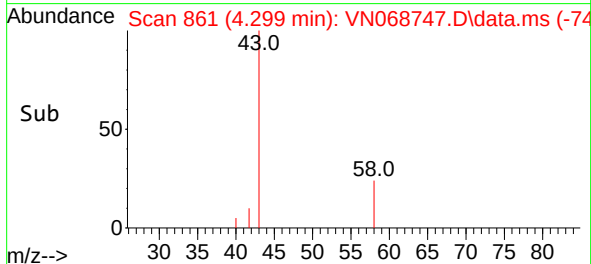
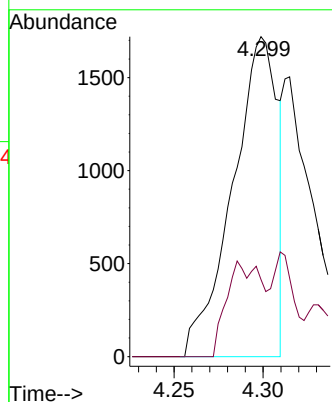
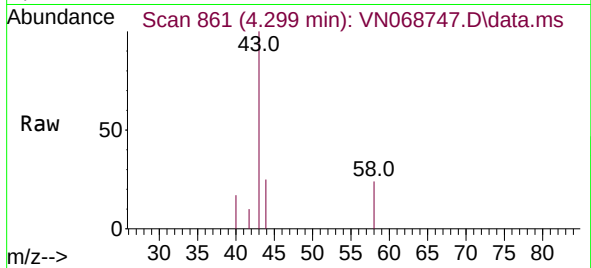




#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

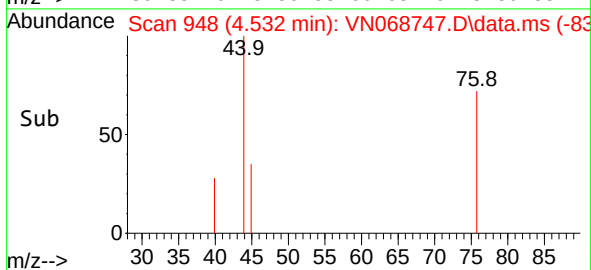
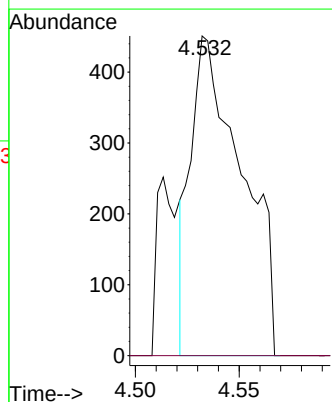
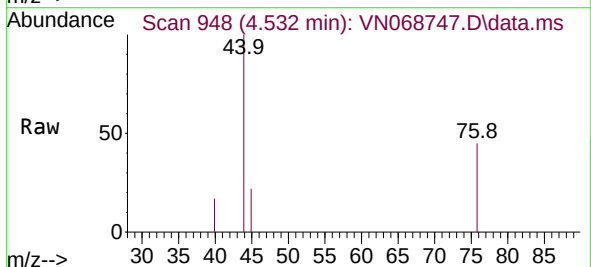
Instrument :
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ClientSampleId :
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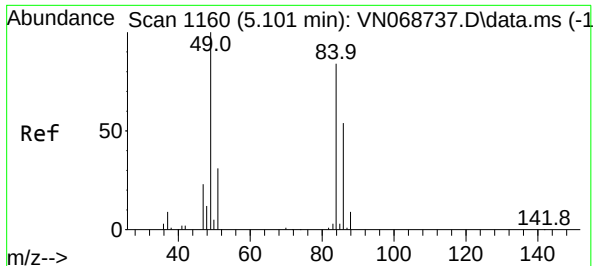
Tgt Ion: 43 Resp: 3005
Ion Ratio Lower Upper
43 100
58 24.1 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.532 min Scan# 948
Delta R.T. -0.003 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 76 Resp: 774
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





#20

Methylene Chloride

Concen: 0.229 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.002 min

Lab File: VN068747.D

Acq: 29 Sep 2021 18:40

Tgt Ion: 84 Resp: 1331

Ion Ratio Lower Upper

84 100

49 112.6 110.9 166.3

51 0.0 32.6 49.0#

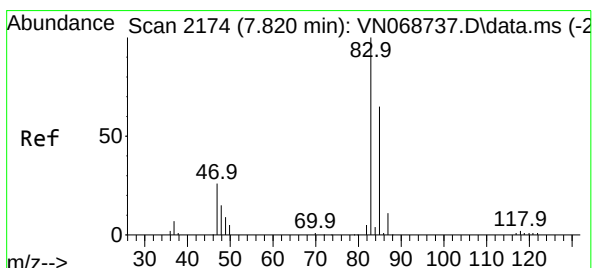
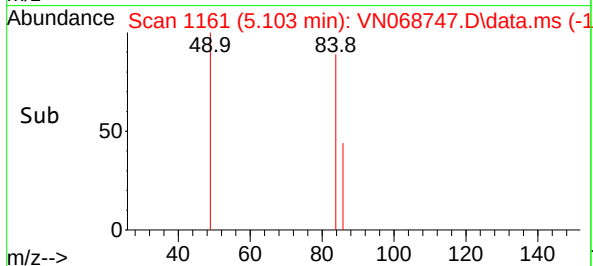
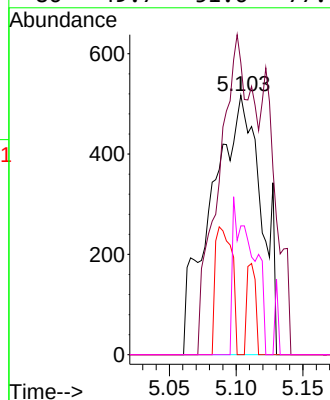
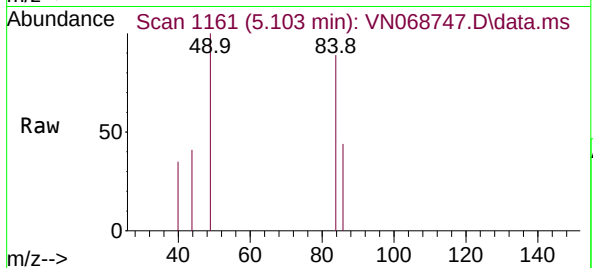
86 49.7 51.6 77.4#

Instrument :

MSVOA_N

ClientSampleId :

SW-RR-03-(SA)



#30

Chloroform

Concen: 0.423 ug/l

RT: 7.818 min Scan# 2173

Delta R.T. -0.002 min

Lab File: VN068747.D

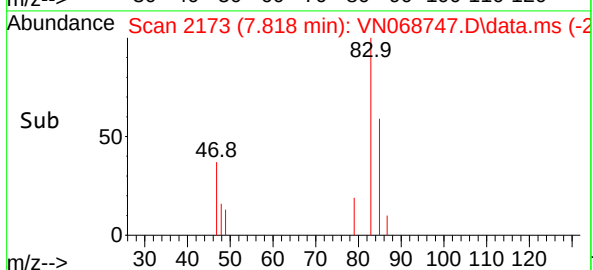
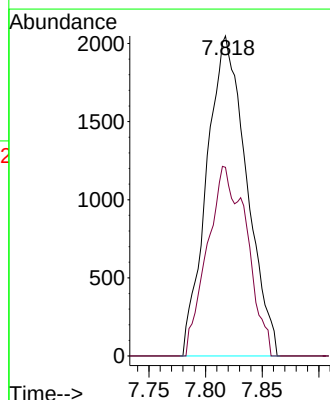
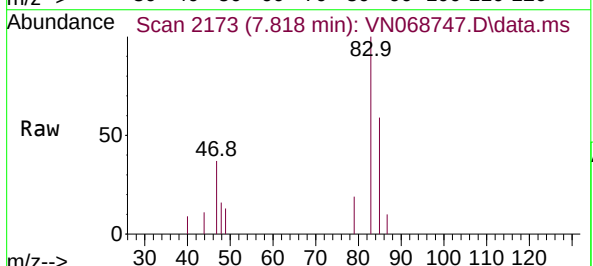
Acq: 29 Sep 2021 18:40

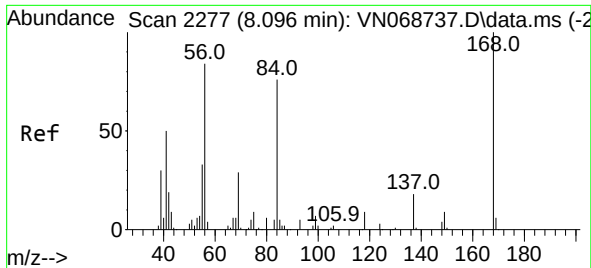
Tgt Ion: 83 Resp: 5007

Ion Ratio Lower Upper

83 100

85 58.9 51.5 77.3

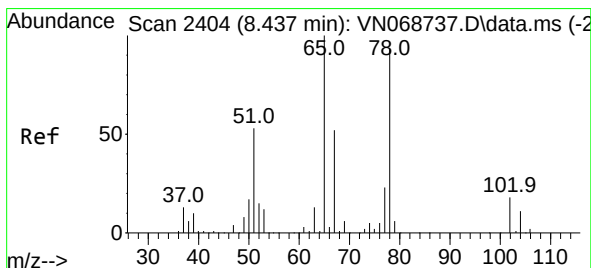
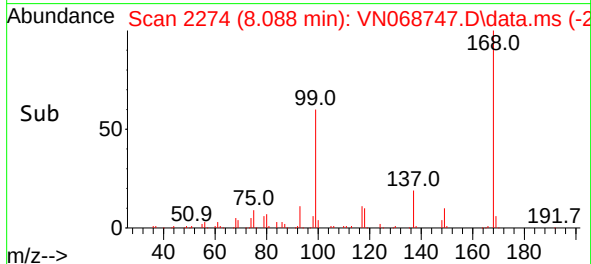
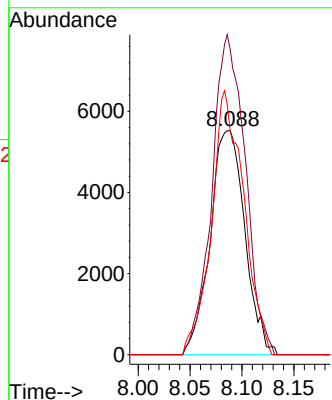
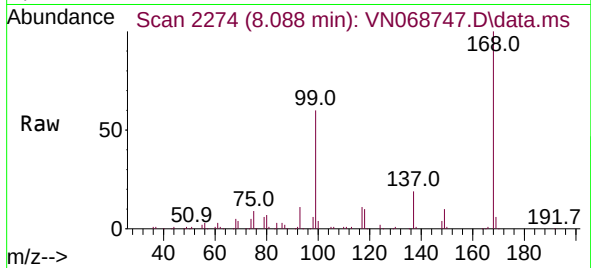




#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

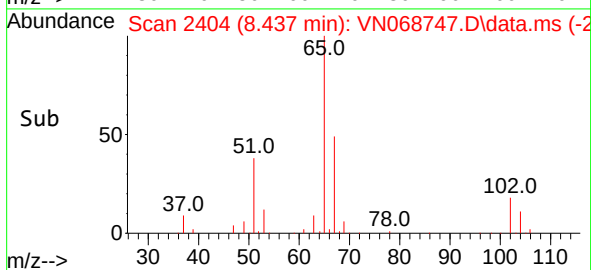
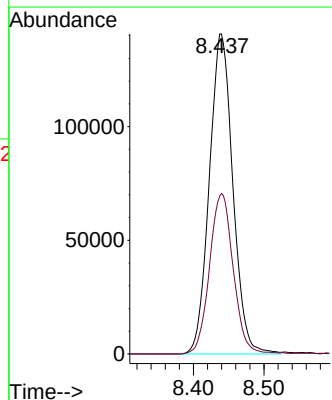
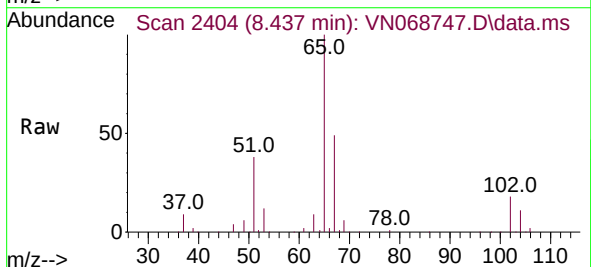
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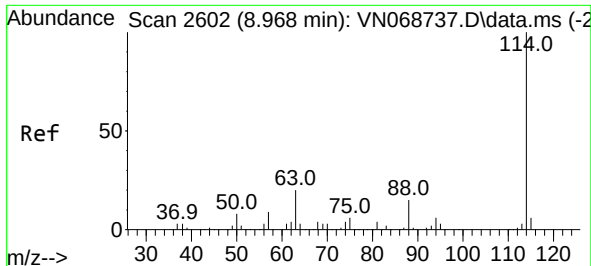
Tgt Ion:	56	Resp:	12855
Ion	Ratio	Lower	Upper
56	100		
69	136.4	27.3	40.9#
84	100.3	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.784 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion:	65	Resp:	326155
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	98.6

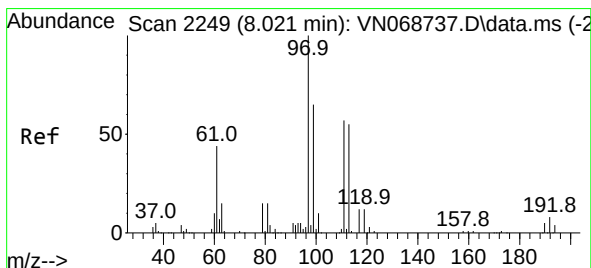
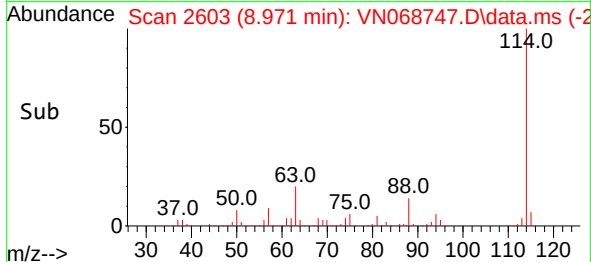
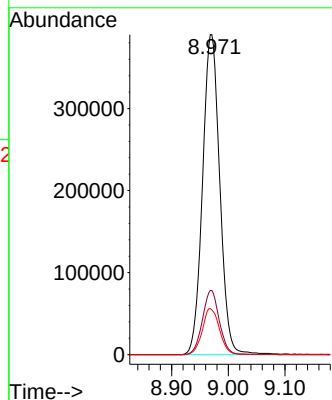
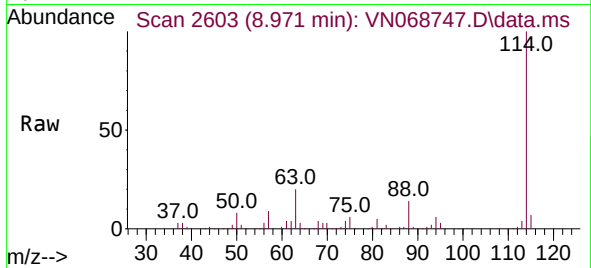




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

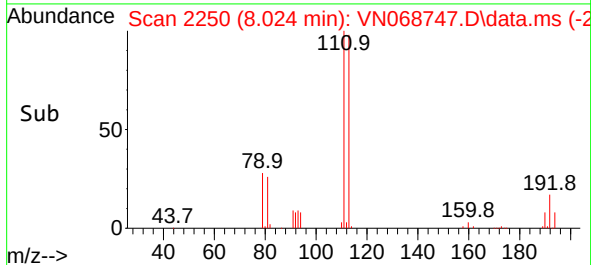
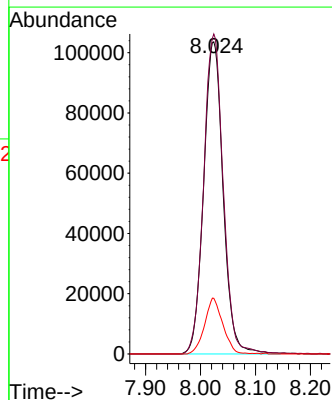
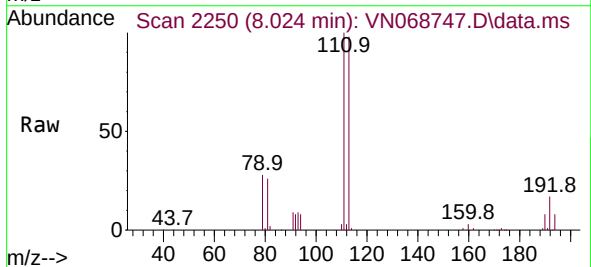
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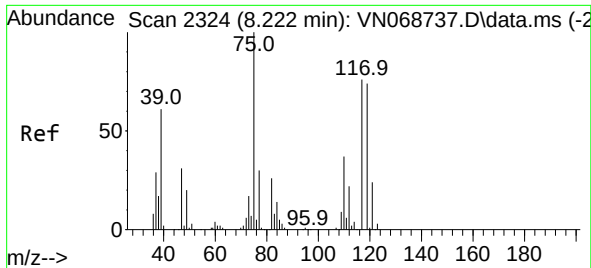
Tgt Ion:114 Resp: 823877
Ion Ratio Lower Upper
114 100
63 20.1 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.768 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion:113 Resp: 254761
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 16.7 13.4 20.0

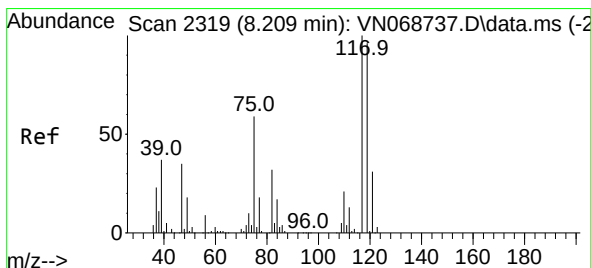
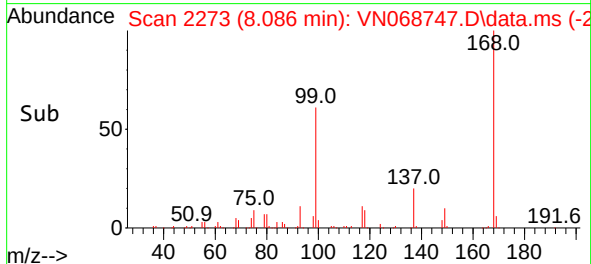
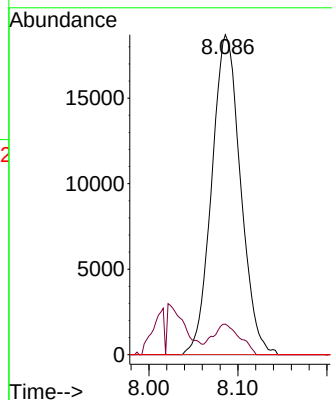
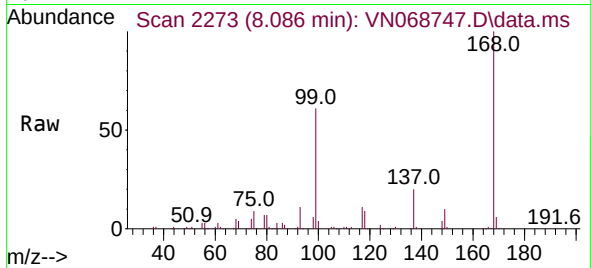




#36
1,1-Dichloropropene
Concen: 5.429 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

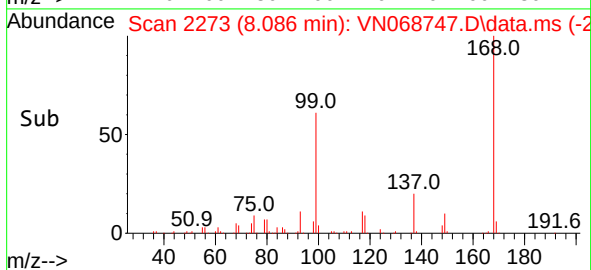
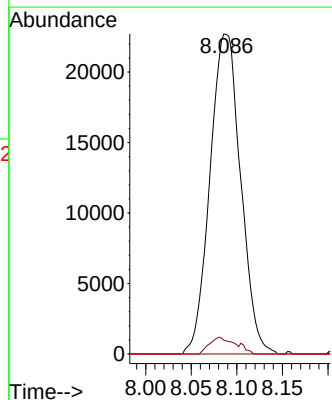
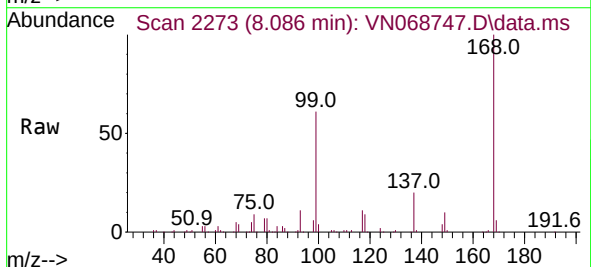
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03-(SA)

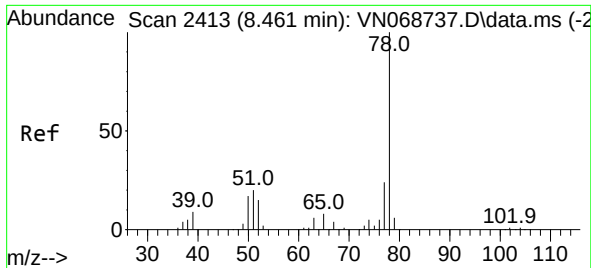
Tgt Ion: 75 Resp: 42069
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.772 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 117 Resp: 53126
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#

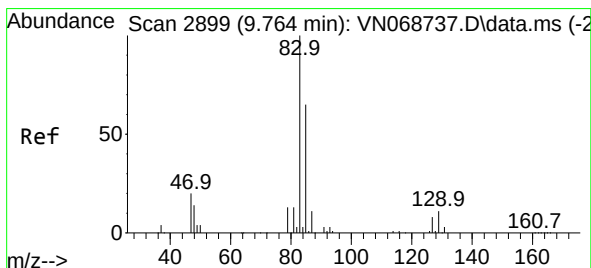
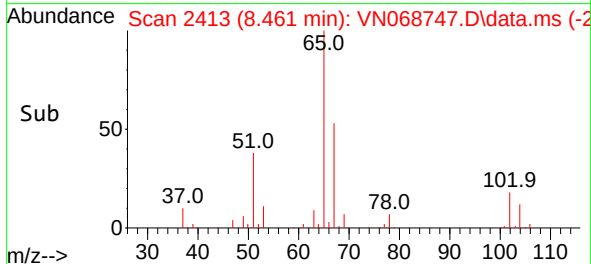
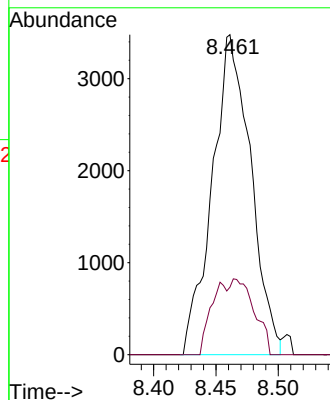
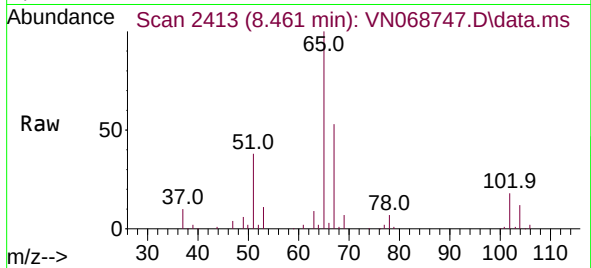




#40
Benzene
Concen: 0.317 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

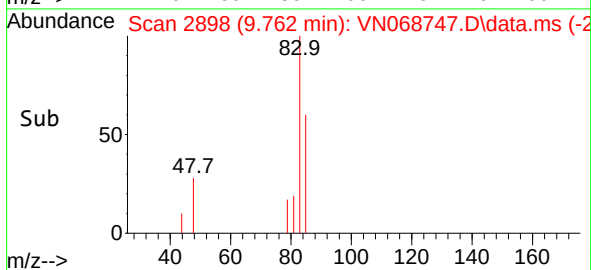
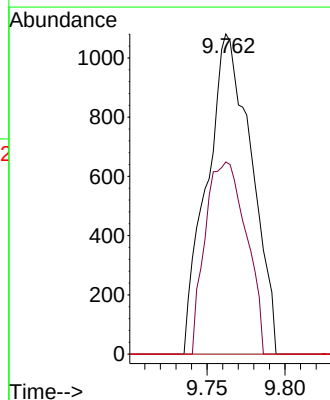
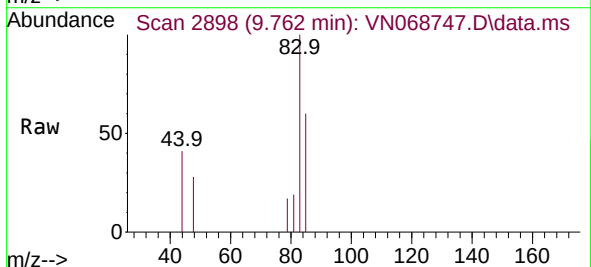
Instrument :
MSVOA_N
ClientSampled :
SW-RR-03-(SA)

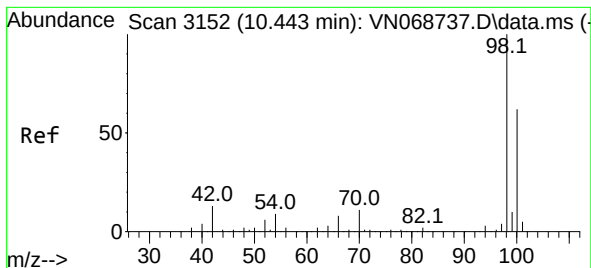
Tgt Ion: 78 Resp: 7471
Ion Ratio Lower Upper
78 100
77 21.1 18.9 28.3



#47
Bromodichloromethane
Concen: 0.228 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. -0.002 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 83 Resp: 2141
Ion Ratio Lower Upper
83 100
85 60.0 49.9 74.9
127 0.0 6.1 9.1#

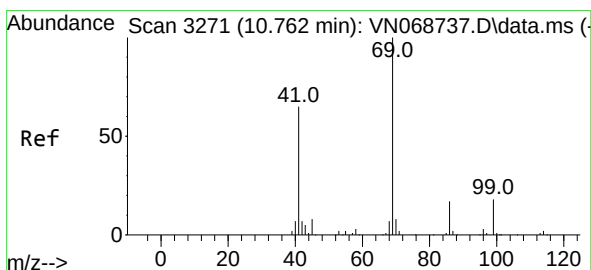
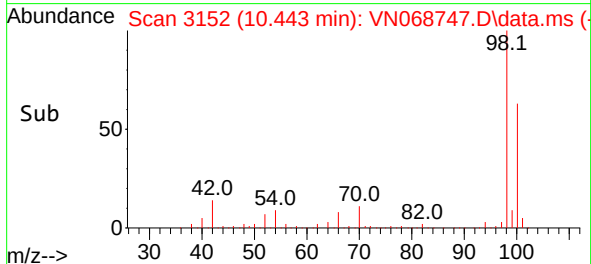
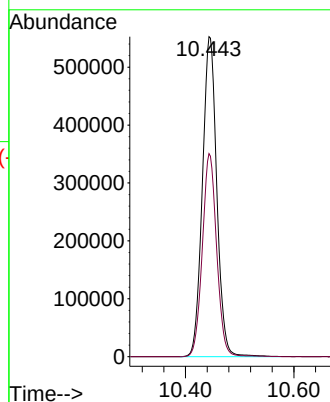
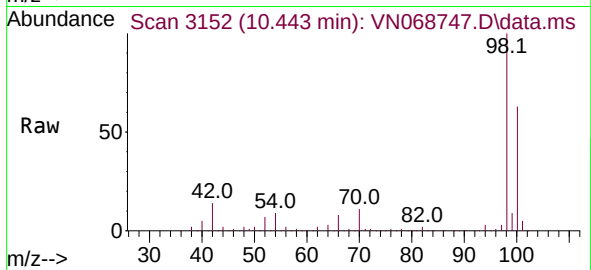




#50
Toluene-d8
Concen: 54.526 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

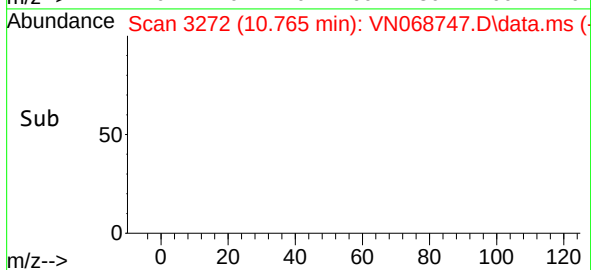
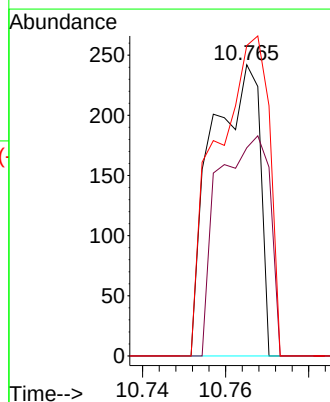
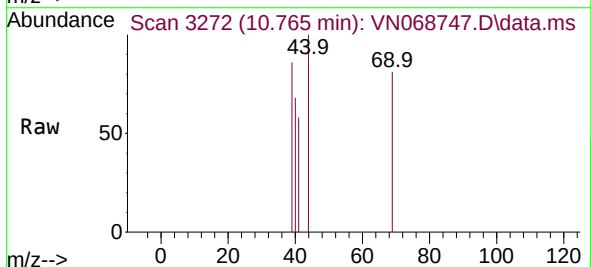
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03-(SA)

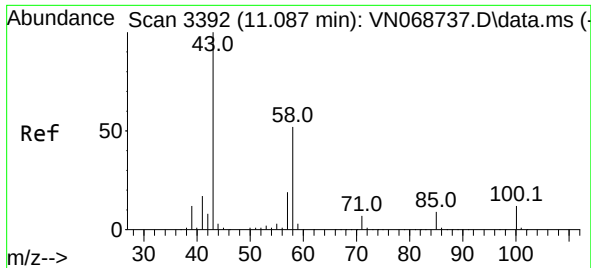
Tgt Ion: 98 Resp: 1019933
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#56
Ethyl methacrylate
Concen: 1.843 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 69 Resp: 194
Ion Ratio Lower Upper
69 100
41 81.4 58.6 88.0
39 120.6 38.3 57.5#

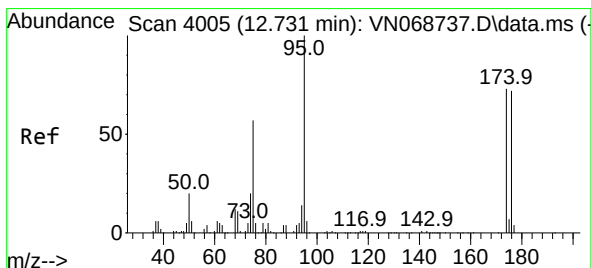
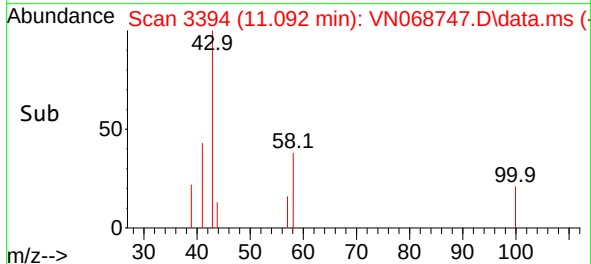
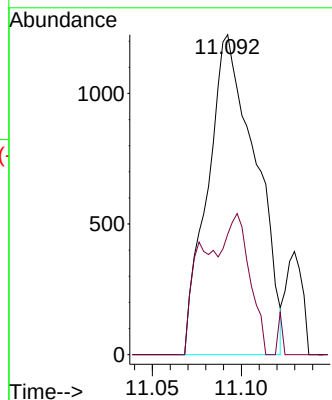
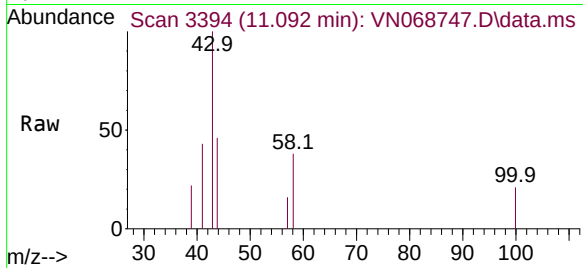




#59
2-Hexanone
Concen: 0.407 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

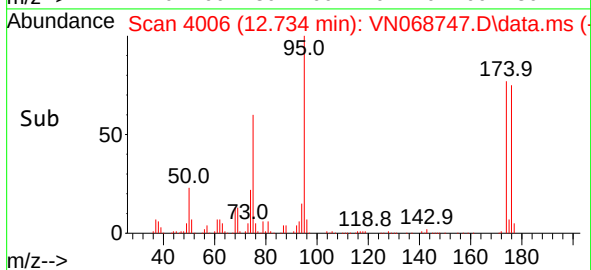
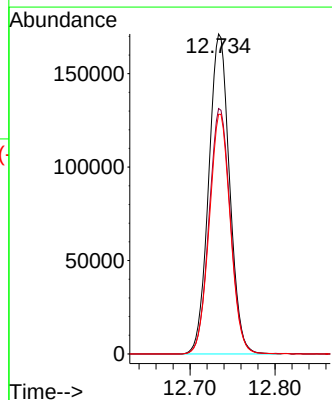
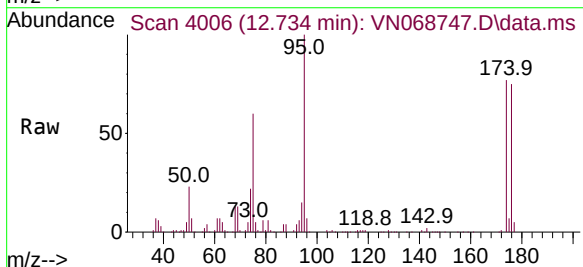
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03-(SA)

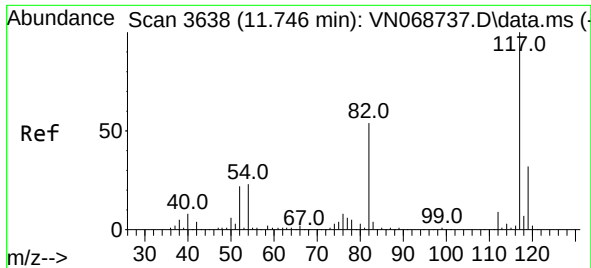
Tgt Ion: 43 Resp: 2294
Ion Ratio Lower Upper
43 100
58 20.7 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.910 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion: 95 Resp: 291905
Ion Ratio Lower Upper
95 100
174 78.5 0.0 122.0
176 75.7 0.0 117.6

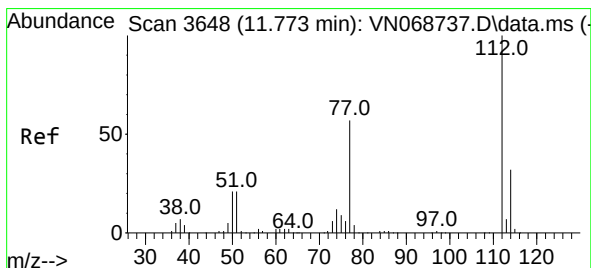
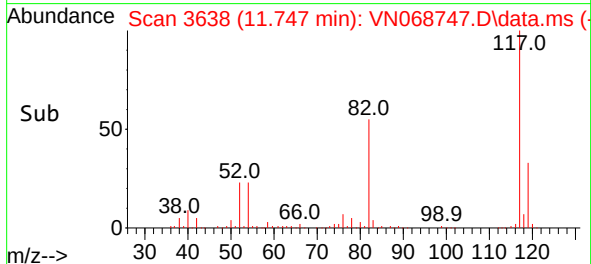
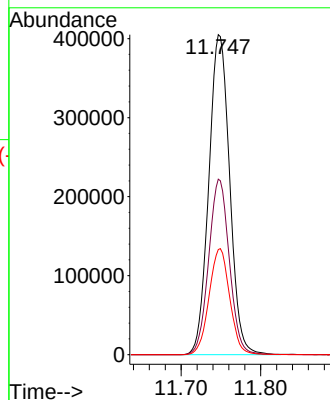
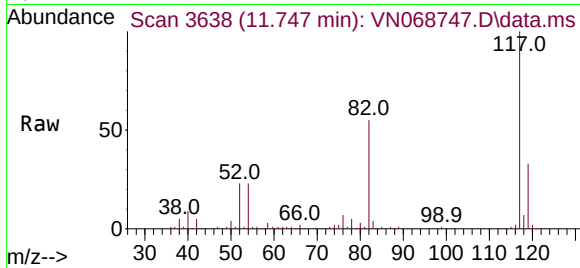




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

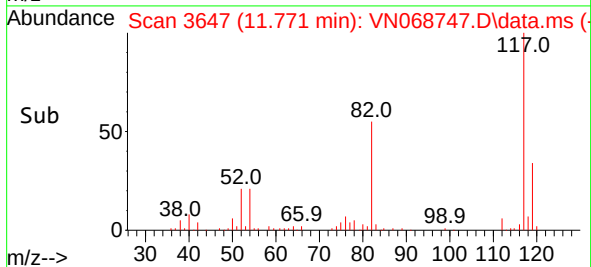
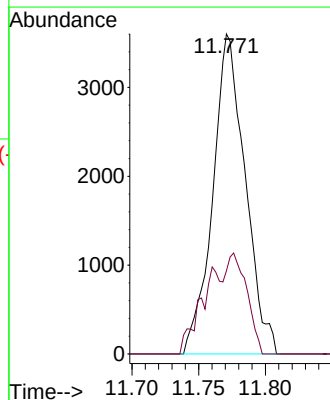
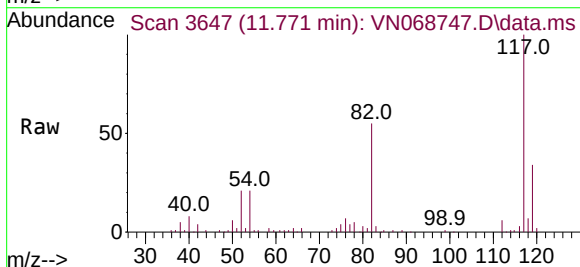
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03-(SA)

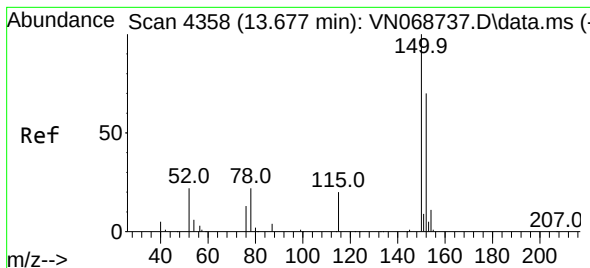
Tgt Ion:117 Resp: 739597
Ion Ratio Lower Upper
117 100
82 54.9 53.1 79.7
119 32.9 25.5 38.3



#65
Chlorobenzene
Concen: 0.361 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.002 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion:112 Resp: 6083
Ion Ratio Lower Upper
112 100
114 26.0 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.001 min

Lab File: VN068747.D

Acq: 29 Sep 2021 18:40

Tgt Ion:152 Resp: 262844

Ion Ratio Lower Upper

152 100

115 60.1 36.1 108.5

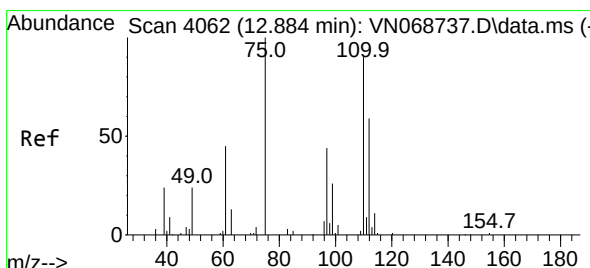
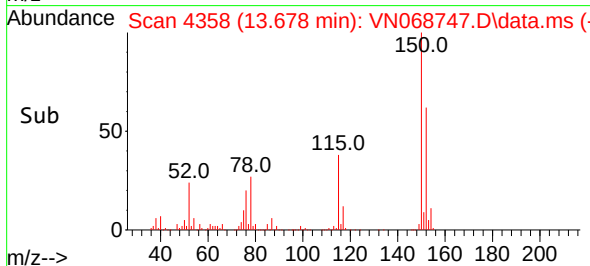
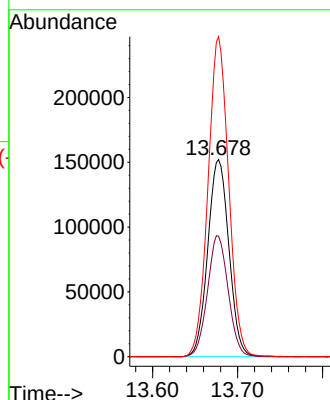
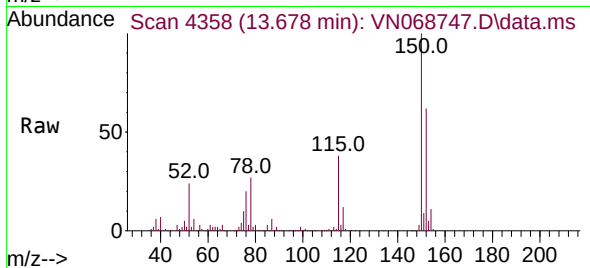
150 158.2 0.0 351.8

Instrument :

MSVOA_N

ClientSampleId :

SW-RR-03-(SA)



#76

1,2,3-Trichloropropane

Concen: 29.528 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.150 min

Lab File: VN068747.D

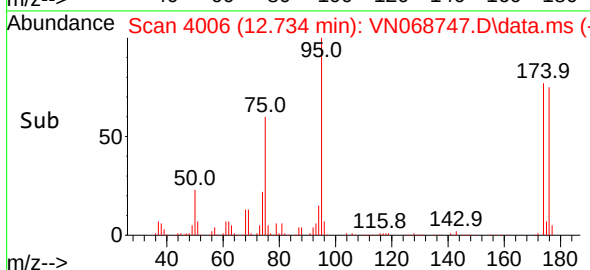
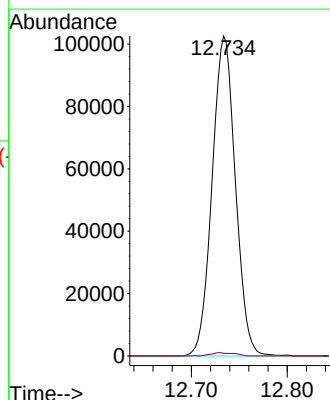
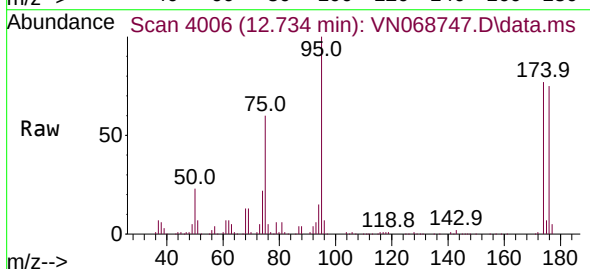
Acq: 29 Sep 2021 18:40

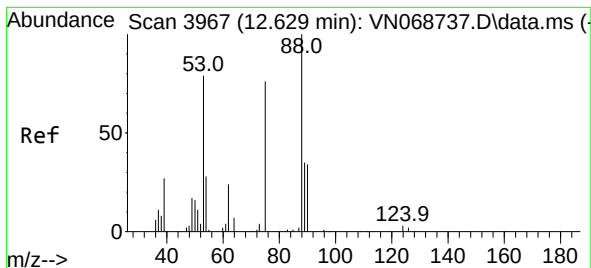
Tgt Ion: 75 Resp: 172604

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

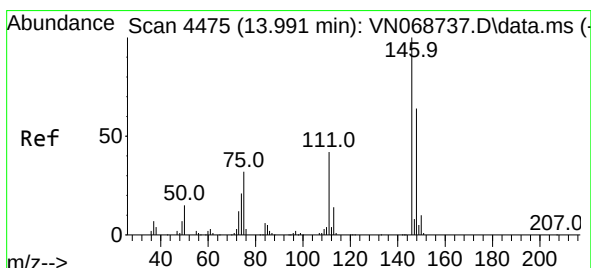
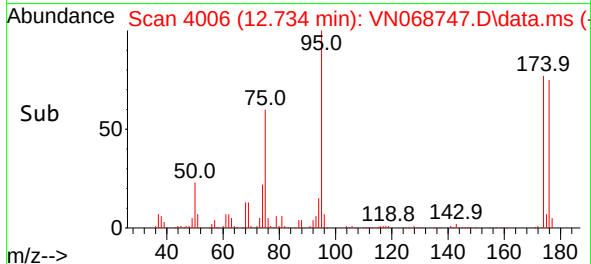
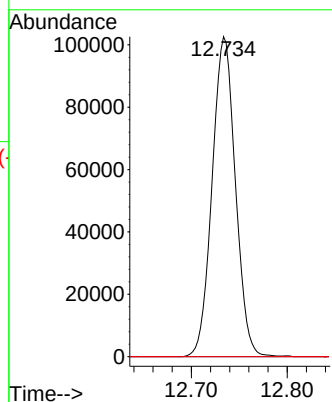
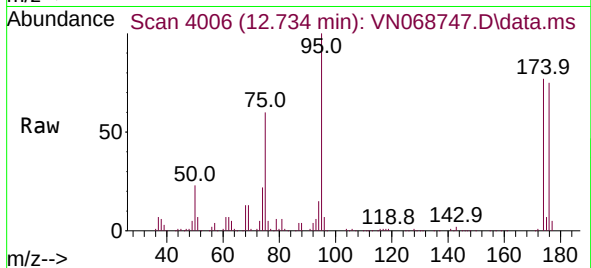




#81
trans-1,4-Dichloro-2-butene
Concen: 85.839 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

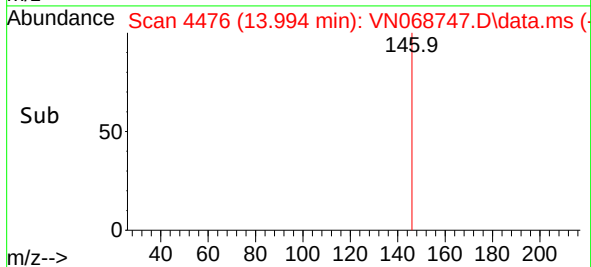
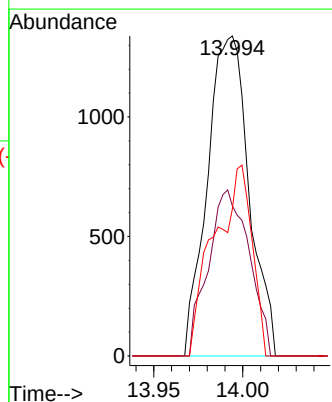
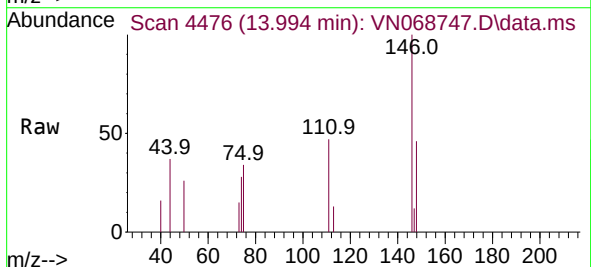
Instrument :
MSVOA_N
ClientSampleId :
SW-RR-03-(SA)

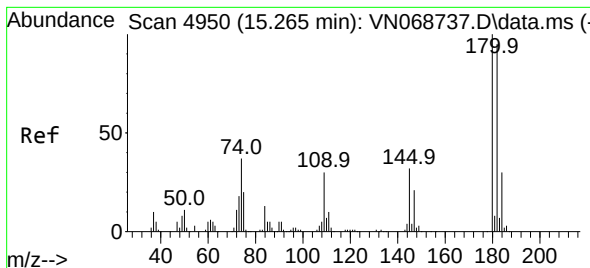
Tgt Ion: 75 Resp: 172604
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#91
1,2-Dichlorobenzene
Concen: 0.228 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.003 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

Tgt Ion:146 Resp: 2183
Ion Ratio Lower Upper
146 100
111 50.9 24.9 74.6
148 54.1 31.6 95.0

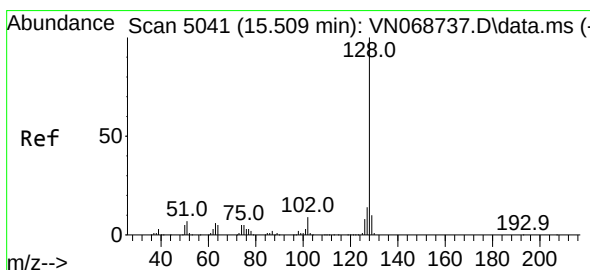
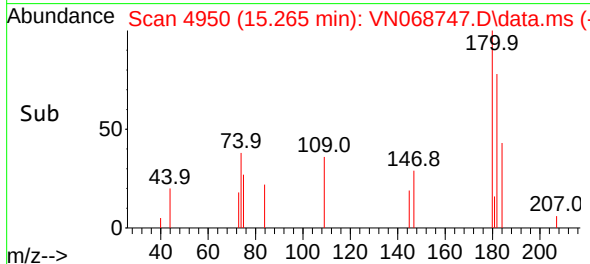
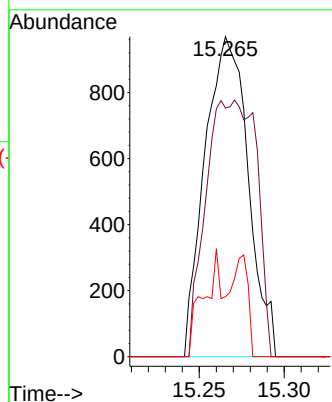
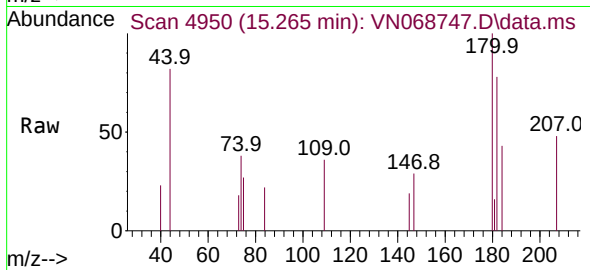




#93
1,2,4-Trichlorobenzene
Concen: 0.397 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

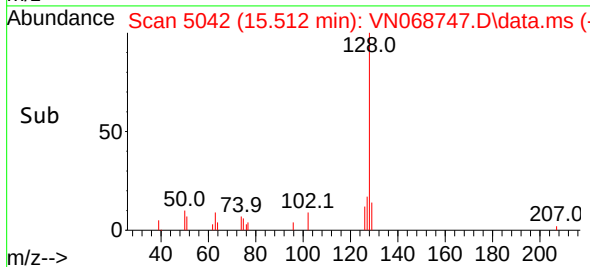
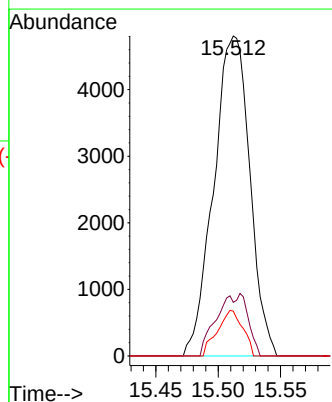
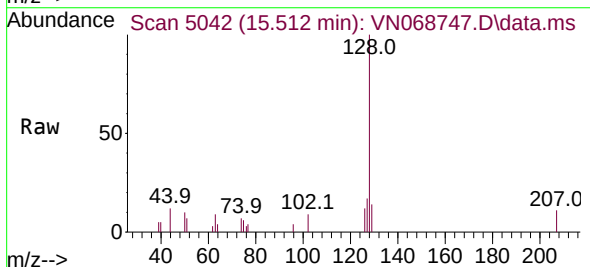
Instrument :
MSVOA_N
ClientSampled :
SW-RR-03-(SA)

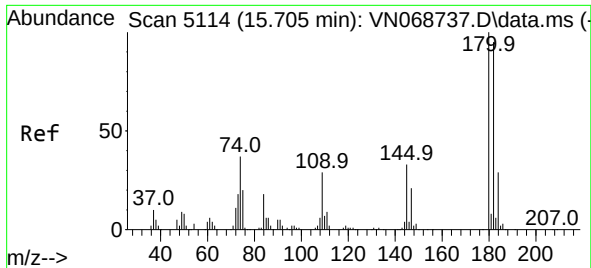
Tgt Ion:180 Resp: 1720
Ion Ratio Lower Upper
180 100
182 40.8 47.5 142.5#
145 14.6 17.2 51.6#



#95
Naphthalene
Concen: 2.206 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068747.D
Acq: 29 Sep 2021 18:40

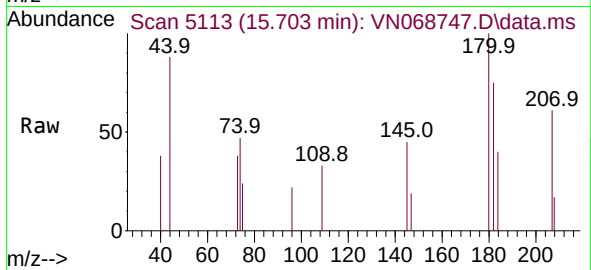
Tgt Ion:128 Resp: 9679
Ion Ratio Lower Upper
128 100
127 10.0 10.6 15.8#
129 10.0 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.439 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. -0.002 min
 Lab File: VN068747.D
 Acq: 29 Sep 2021 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-RR-03-(SA)



Tgt Ion:	180	Resp:	1826
Ion	Ratio	Lower	Upper
180	100		
182	65.4	47.8	143.3
145	36.6	18.2	54.6

