

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090921\
 Data File : VN068447.D
 Acq On : 9 Sep 2021 17:25
 Operator : JC/MD
 Sample : M3671-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FILTER-MEDIA-FILTERS

Quant Time: Sep 10 04:11:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 10 04:04:05 2021
 Response via : Initial Calibration

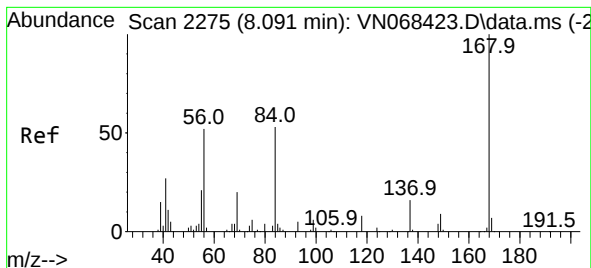
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	408133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	676486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	734365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	358926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	218607	58.392	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.780%			
35) Dibromofluoromethane	8.027	113	204573	50.139	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.280%			
50) Toluene-d8	10.446	98	850539	57.388	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 114.780%			
62) 4-Bromofluorobenzene	12.733	95	323813	68.280	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 136.560%#			
Target Compounds			Qvalue			
5) Bromomethane	2.883	94	1918	0.390	ug/l #	73
11) Tert butyl alcohol	5.388	59	223	Below Cal	#	84
13) Acrolein	4.055	56	152	0.547	ug/l	98
16) Acetone	4.291	43	76638	61.860	ug/l	99
18) Methyl Acetate	4.865	43	2265	Below Cal	#	52
20) Methylene Chloride	5.101	84	23291	5.438	ug/l	95
25) 2-Butanone	7.345	43	25036	13.762	ug/l	94
29) Tetrahydrofuran	7.694	42	791	0.666	ug/l #	49
31) Cyclohexane	8.088	56	7202	1.269	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	25576	4.535	ug/l #	48
37) Ethyl Acetate	7.345	43	25036	5.836	ug/l #	66
38) Carbon Tetrachloride	8.088	117	38599	5.713	ug/l #	16
41) Methacrylonitrile	7.694	41	519	0.246	ug/l #	20
43) Isopropyl Acetate	8.566	43	36406	4.810	ug/l #	81
45) 1,2-Dichloropropane	9.620	63	1820	0.457	ug/l #	44
48) Methyl methacrylate	9.547	41	8287	2.622	ug/l #	6
51) 4-Methyl-2-Pentanone	10.336	43	7449	1.724	ug/l	90
54) cis-1,3-Dichloropropene	10.247	75	41522	6.497	ug/l #	65
55) 1,1,2-Trichloroethane	10.950	97	1237	0.281	ug/l #	1
57) 1,3-Dichloropropane	11.095	76	21814	3.220	ug/l #	42
59) 2-Hexanone	11.092	43	592193	204.650	ug/l	75
71) Bromoform	12.731	173	1736	0.382	ug/l #	1
74) N-amyl acetate	12.355	43	362696	63.691	ug/l #	42
76) 1,2,3-Trichloropropane	12.733	75	159648	28.177	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	159648	98.575	ug/l #	13
86) p-Isopropyltoluene	13.618	119	5440	0.258	ug/l #	82
95) Naphthalene	15.509	128	263586	20.750	ug/l	99

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

Quant Time: Sep 10 04:11:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 10 04:04:05 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.000 min

Lab File: VN068447.D

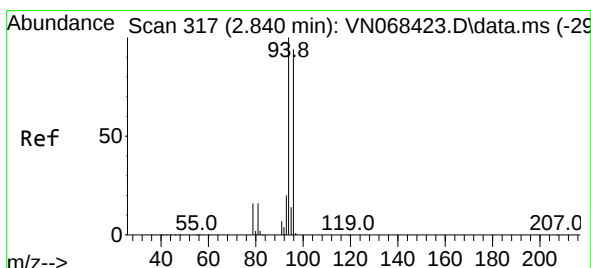
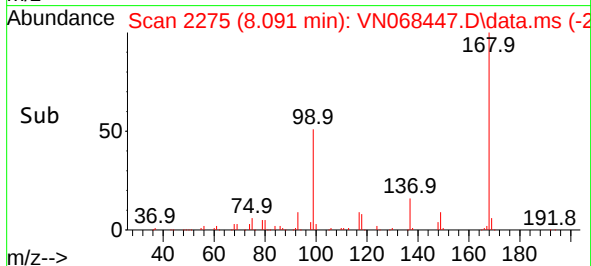
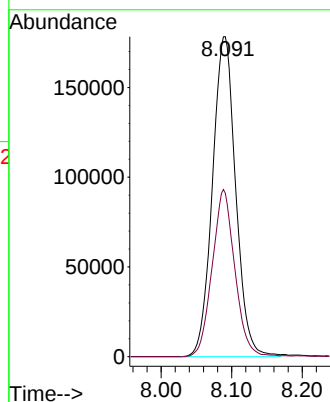
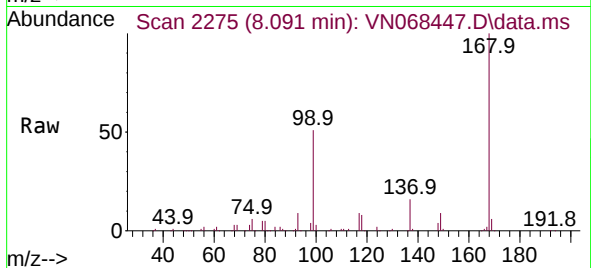
Acq: 9 Sep 2021 17:25

Tgt Ion:168 Resp: 408133

Ion Ratio Lower Upper

168 100

99 51.1 38.2 57.4



#5

Bromomethane

Concen: 0.390 ug/l

RT: 2.883 min Scan# 333

Delta R.T. 0.043 min

Lab File: VN068447.D

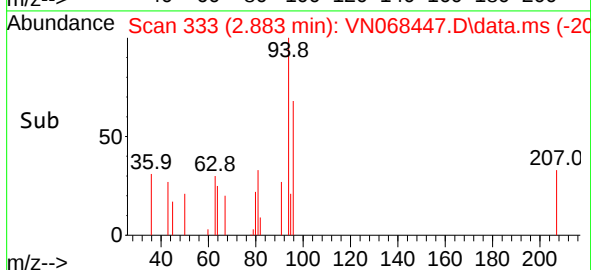
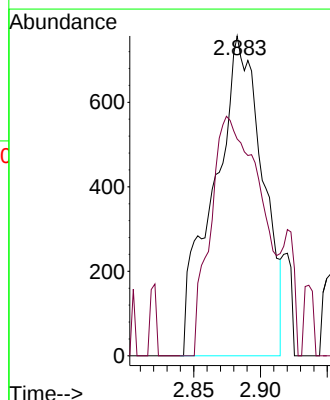
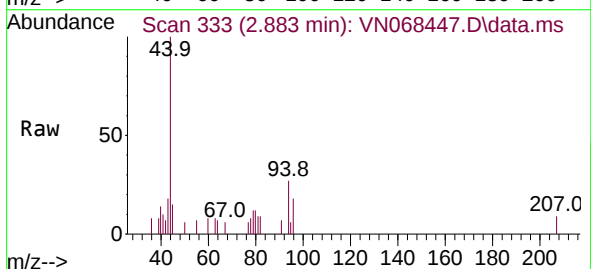
Acq: 9 Sep 2021 17:25

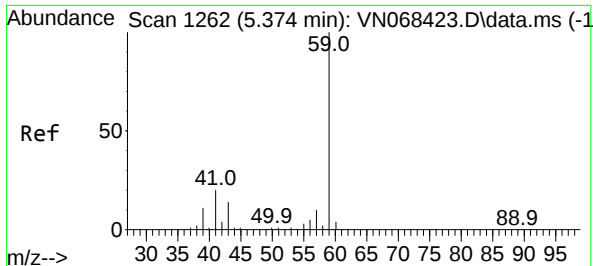
Tgt Ion: 94 Resp: 1918

Ion Ratio Lower Upper

94 100

96 67.8 75.4 113.0#



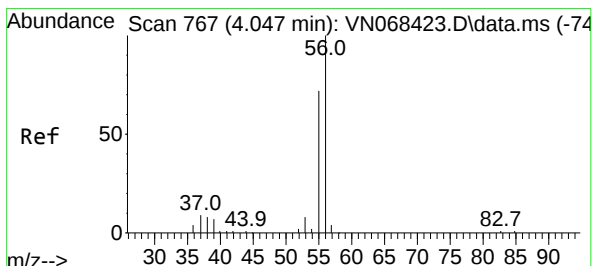
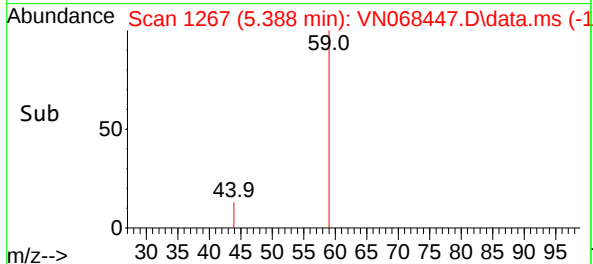
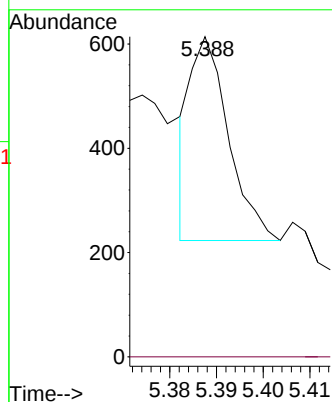
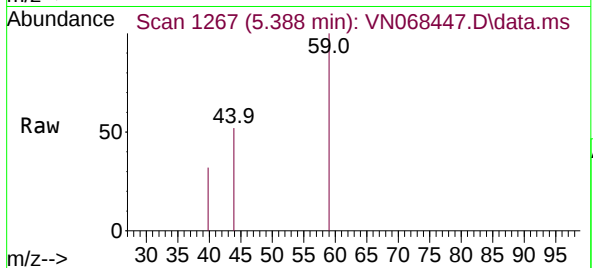


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.388 min Scan# 1267
Delta R.T. 0.014 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

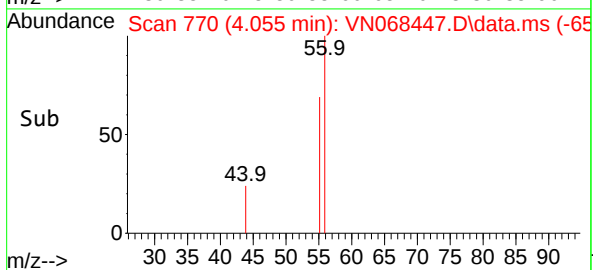
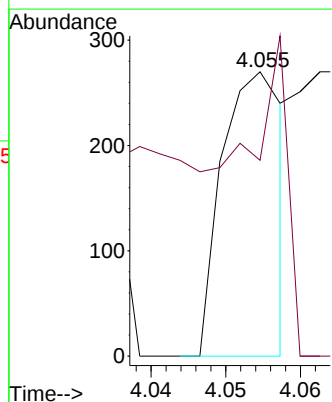
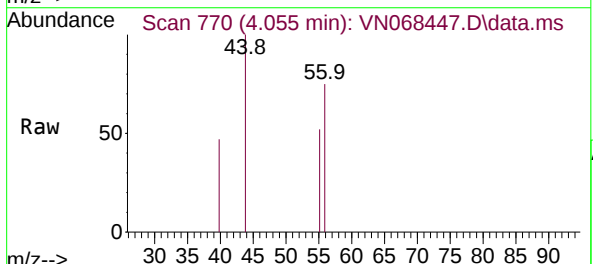
Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

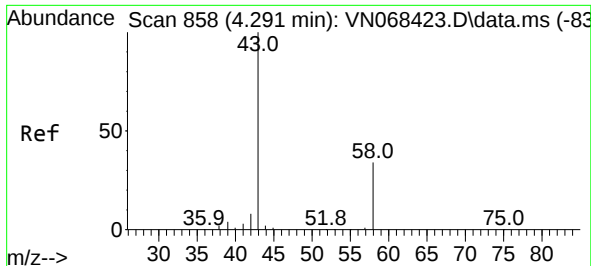


#13

Acrolein
Concen: 0.547 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.008 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

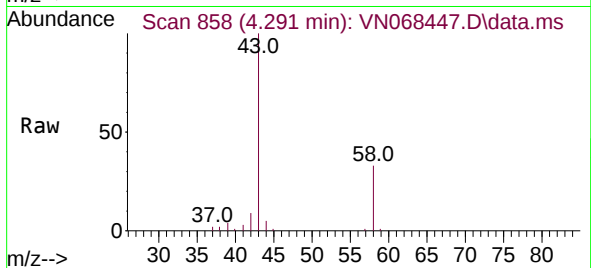
Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 73.0 56.8 85.2



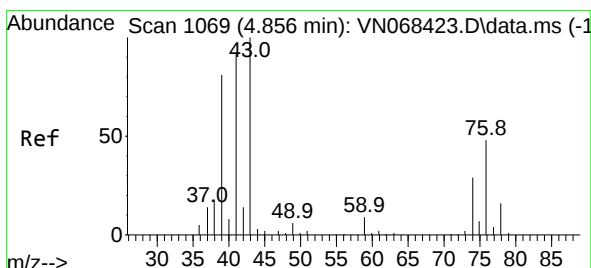
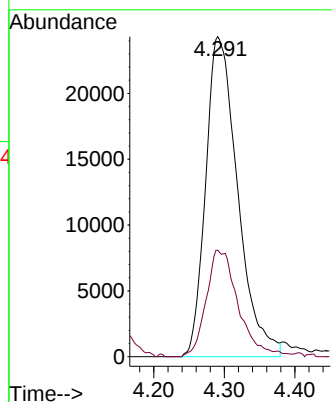
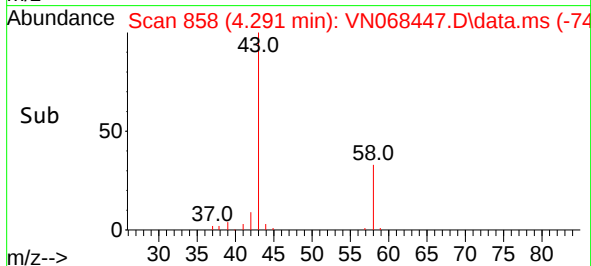


#16
Acetone
Concen: 61.860 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

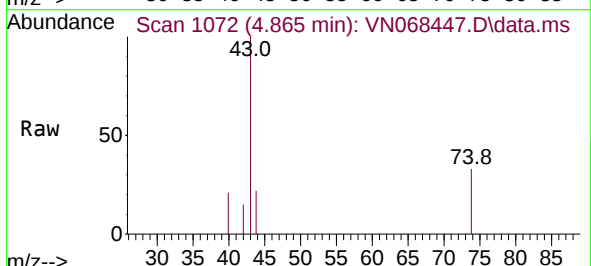
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS



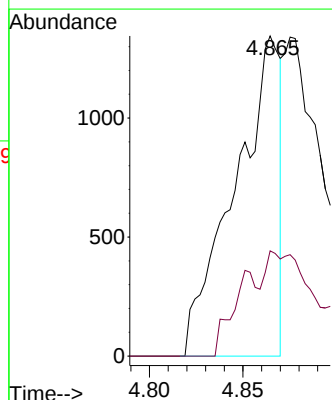
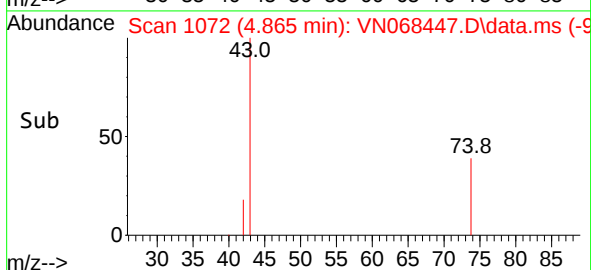
Tgt Ion: 43 Resp: 76638
Ion Ratio Lower Upper
43 100
58 33.3 27.0 40.6

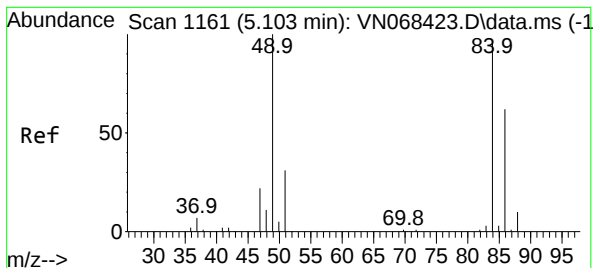


#18
Methyl Acetate
Concen: Below Cal
RT: 4.865 min Scan# 1072
Delta R.T. 0.009 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25



Tgt Ion: 43 Resp: 2265
Ion Ratio Lower Upper
43 100
74 3.6 23.5 35.3#



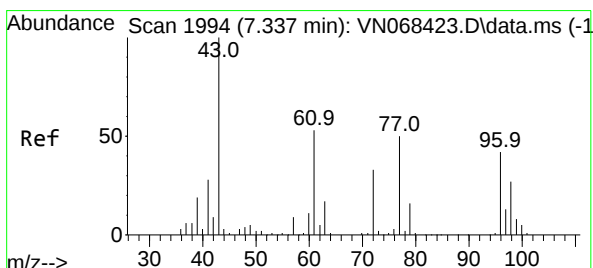
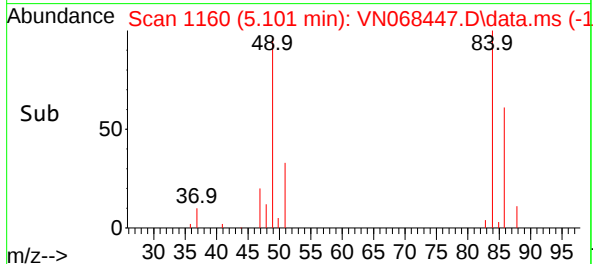
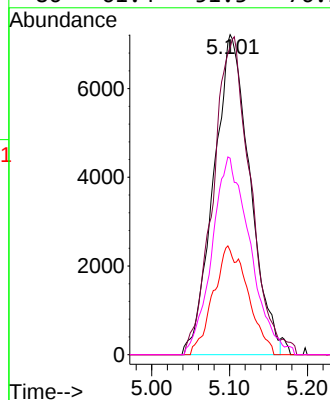
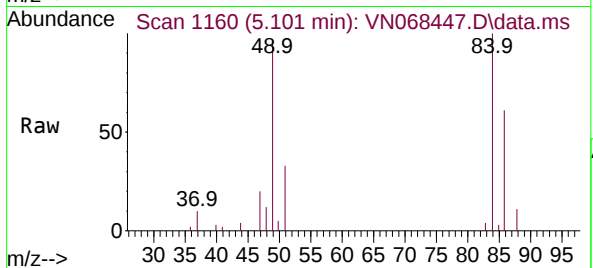


#20
Methylene Chloride
Concen: 5.438 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. -0.002 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

Tgt Ion: 84 Resp: 23291

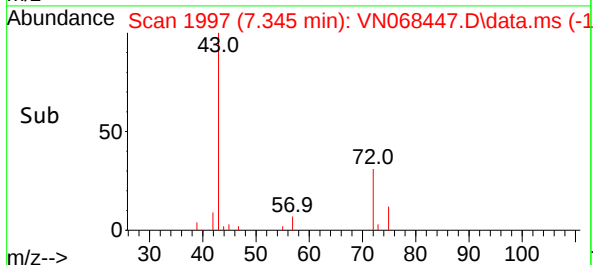
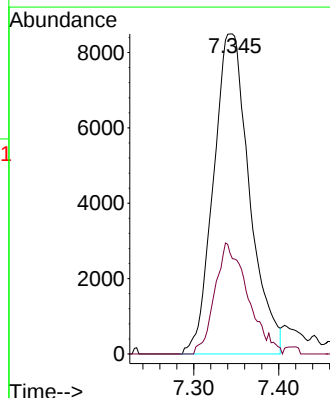
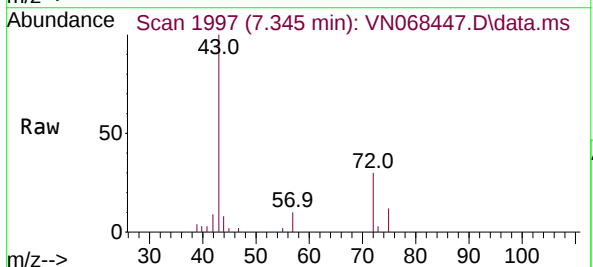
Ion	Ratio	Lower	Upper
84	100		
49	96.0	83.0	124.6
51	32.5	25.4	38.0
86	61.4	51.3	76.9

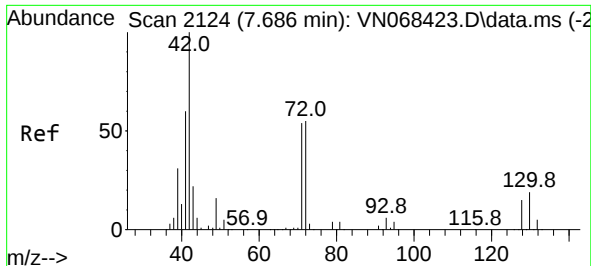


#25
2-Butanone
Concen: 13.762 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion: 43 Resp: 25036

Ion	Ratio	Lower	Upper
43	100		
72	29.8	26.7	40.1





#29

Tetrahydrofuran

Concen: 0.666 ug/l

RT: 7.694 min Scan# 2127

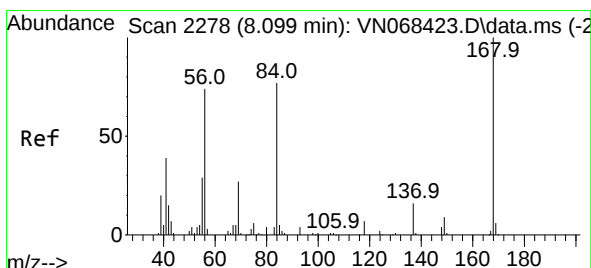
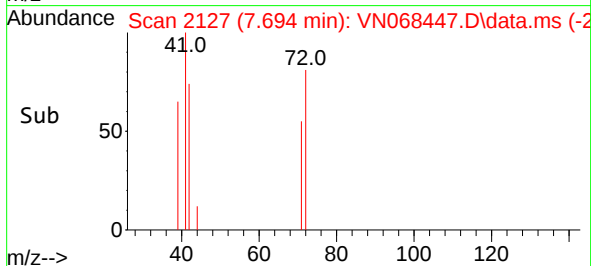
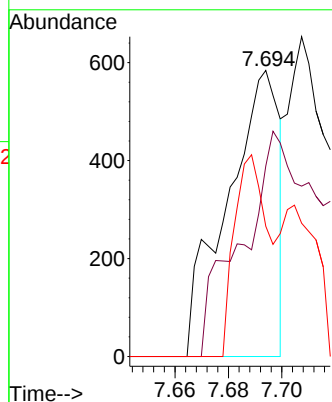
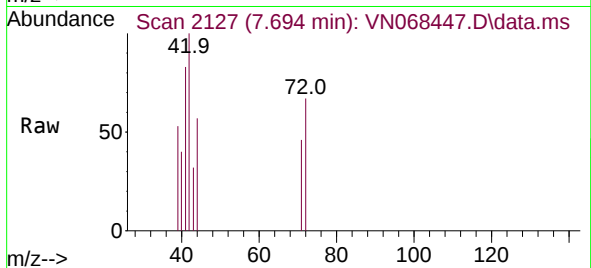
Delta R.T. 0.008 min

Lab File: VN068447.D

Acq: 9 Sep 2021 17:25

Tgt Ion:	42	Resp:	791
Ion	Ratio	Lower	Upper
42	100		
72	119.6	44.4	66.6#
71	44.0	42.3	63.5

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS



#31

Cyclohexane

Concen: 1.269 ug/l

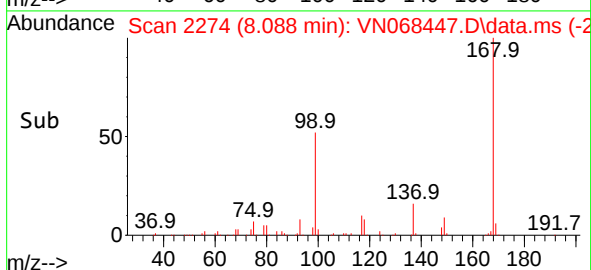
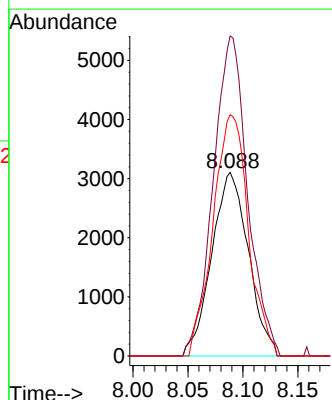
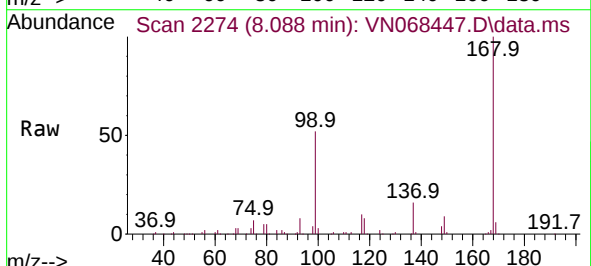
RT: 8.088 min Scan# 2274

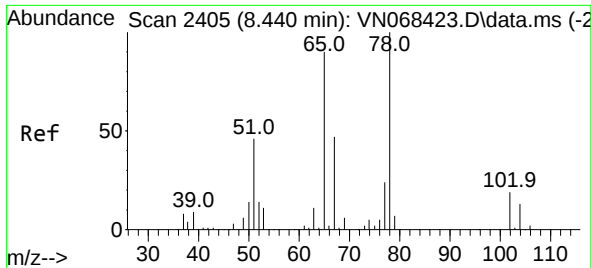
Delta R.T. -0.011 min

Lab File: VN068447.D

Acq: 9 Sep 2021 17:25

Tgt Ion:	56	Resp:	7202
Ion	Ratio	Lower	Upper
56	100		
69	174.4	29.4	44.0#
84	131.5	83.6	125.4#

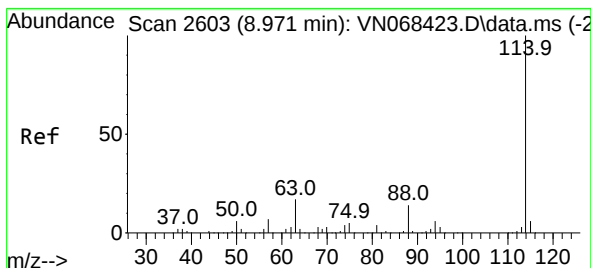
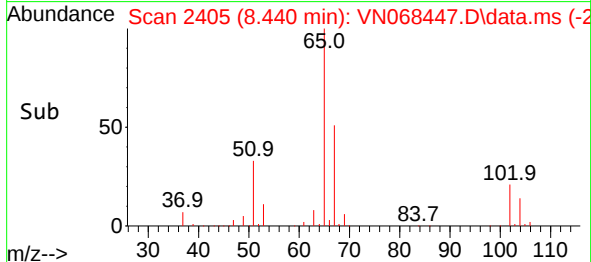
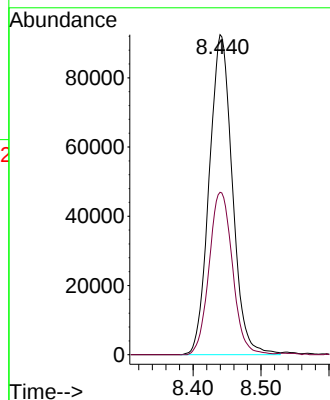
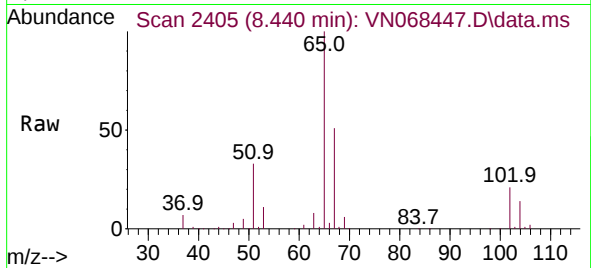




#33
 1,2-Dichloroethane-d4
 Concen: 58.392 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068447.D
 Acq: 9 Sep 2021 17:25

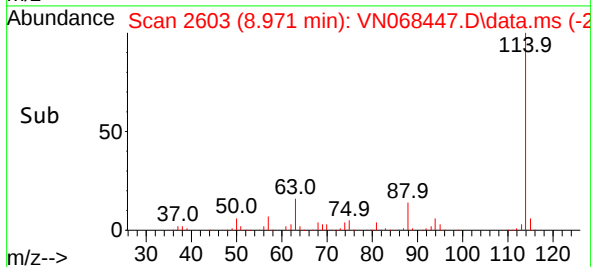
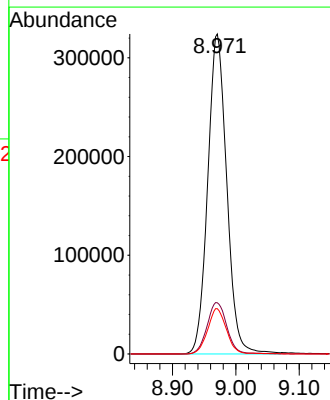
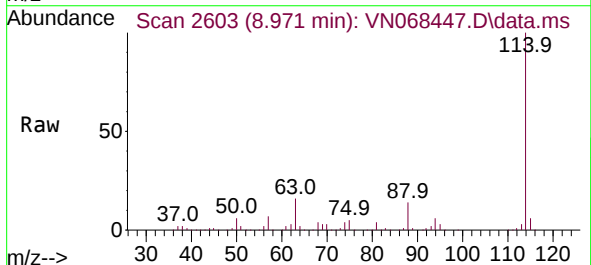
Instrument :
 MSVOA_N
 ClientSampleId :
 FILTER-MEDIA-FILTERS

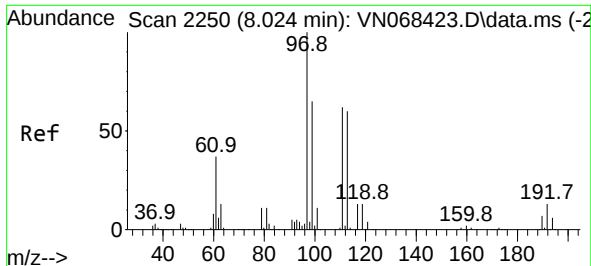
Tgt Ion: 65 Resp: 218607
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068447.D
 Acq: 9 Sep 2021 17:25

Tgt Ion: 114 Resp: 676486
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 33.2
 88 14.2 0.0 28.4

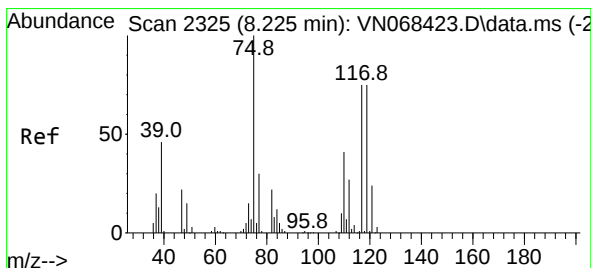
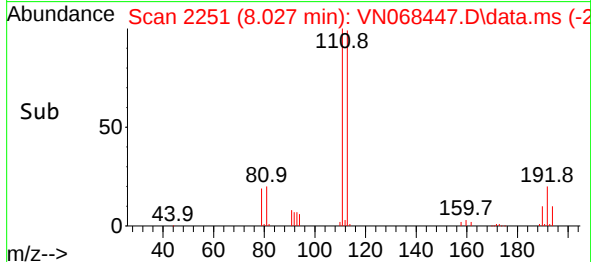
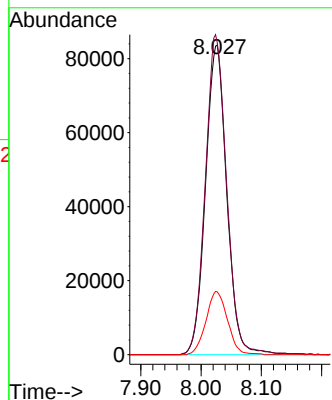
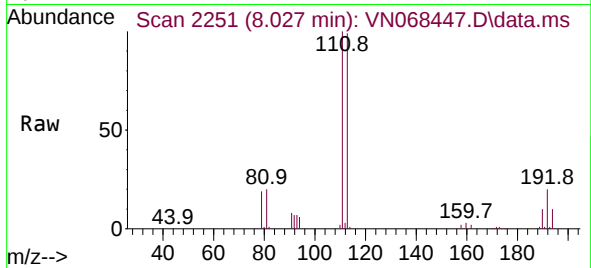




#35
Dibromofluoromethane
Concen: 50.139 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

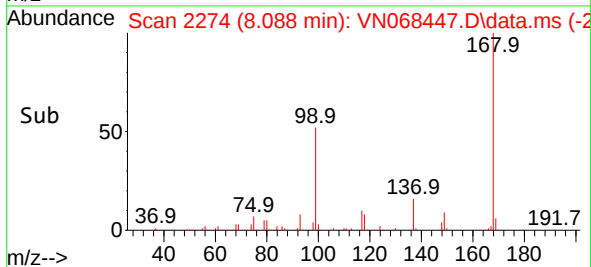
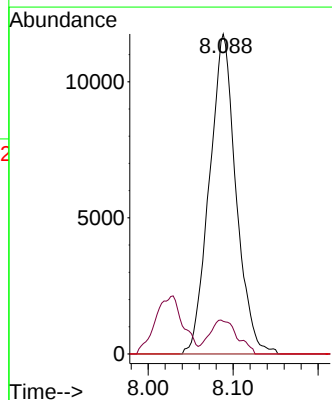
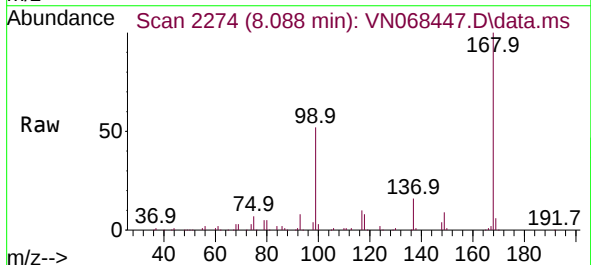
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

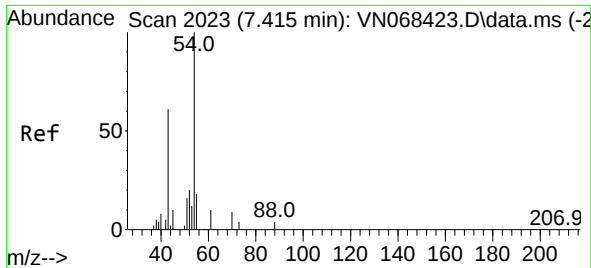
Tgt Ion:113 Resp: 204573
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 20.7 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.535 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

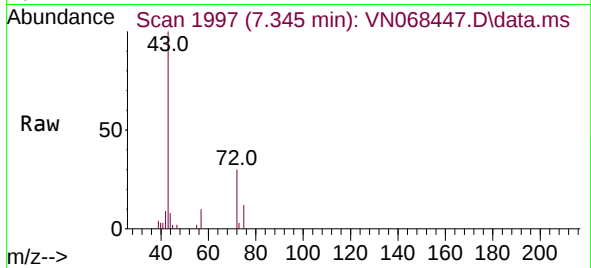
Tgt Ion: 75 Resp: 25576
Ion Ratio Lower Upper
75 100
110 11.2 20.8 62.5#
77 0.0 25.0 37.6#



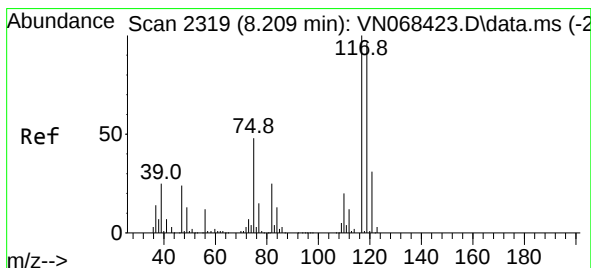
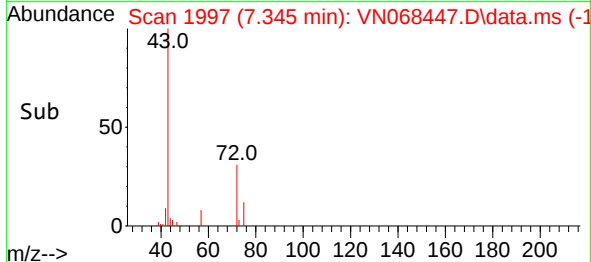
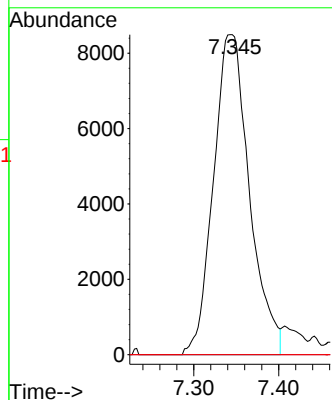


#37
Ethyl Acetate
Concen: 5.836 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.070 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

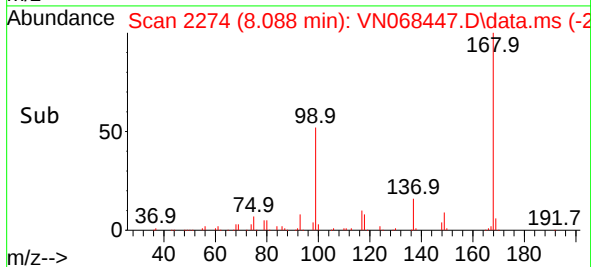
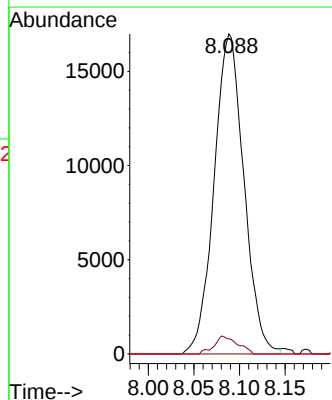
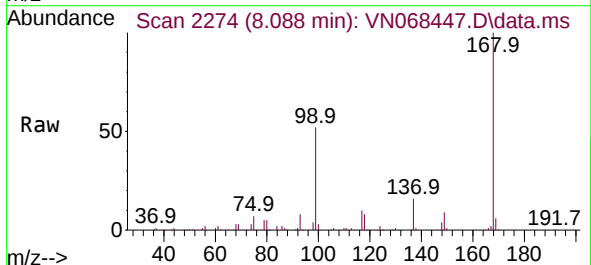


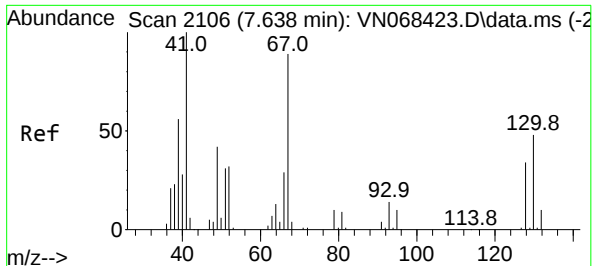
Tgt Ion: 43 Resp: 25036
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.713 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion: 117 Resp: 38599
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 24.5 36.7#

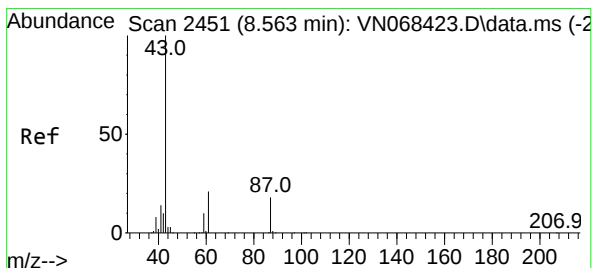
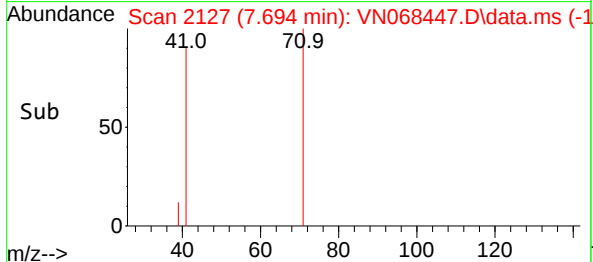
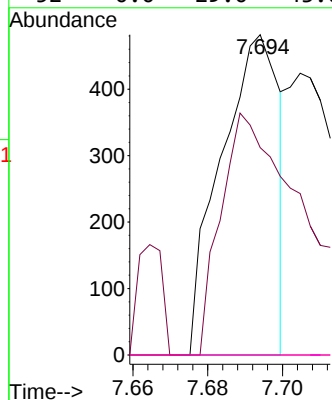
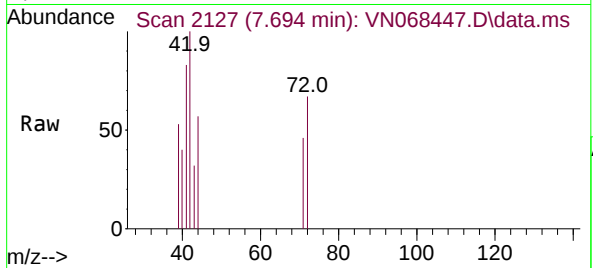




#41
Methacrylonitrile
Concen: 0.246 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

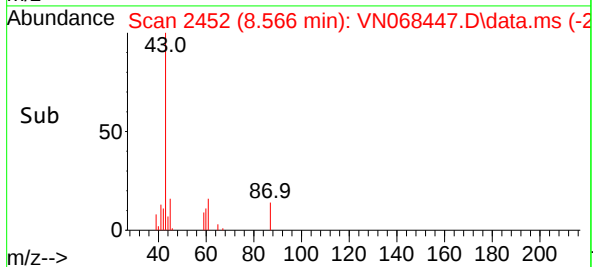
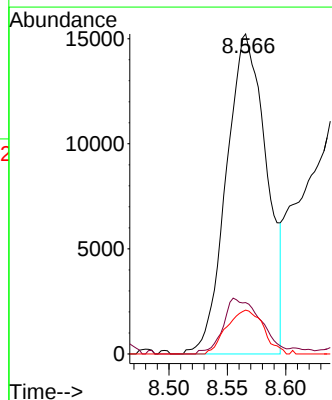
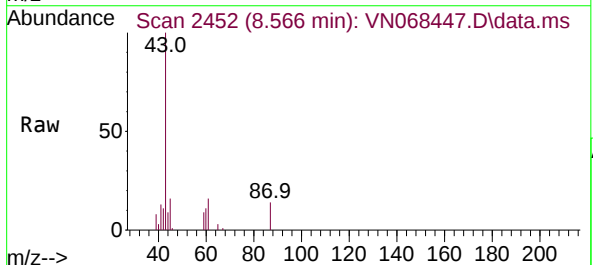
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

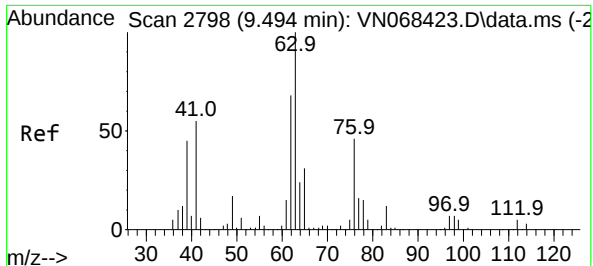
Tgt Ion: 41 Resp: 519
Ion Ratio Lower Upper
41 100
39 100.8 45.4 68.2#
67 0.0 78.7 118.1#
52 0.0 29.0 43.6#



#43
Isopropyl Acetate
Concen: 4.810 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion: 43 Resp: 36406
Ion Ratio Lower Upper
43 100
61 16.3 23.3 34.9#
87 12.5 13.8 20.6#



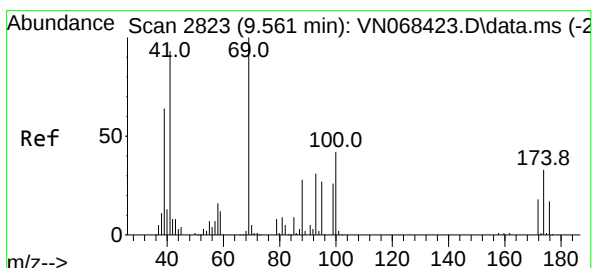
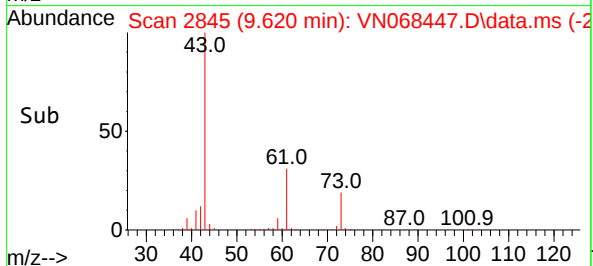
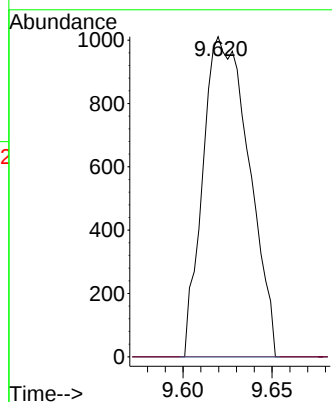
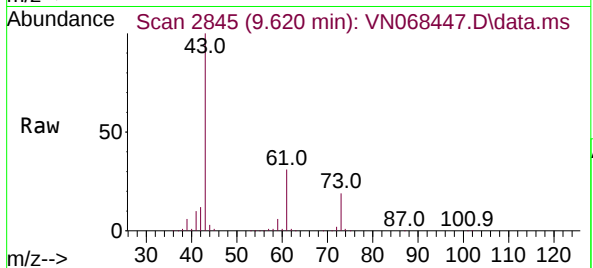


#45

1,2-Dichloropropane
Concen: 0.457 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.126 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

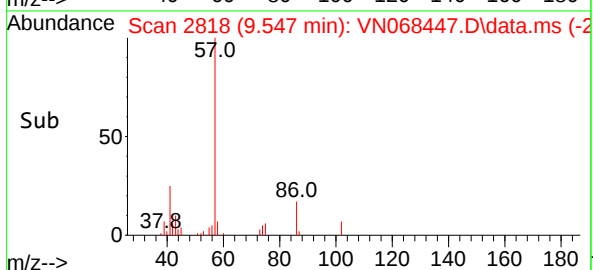
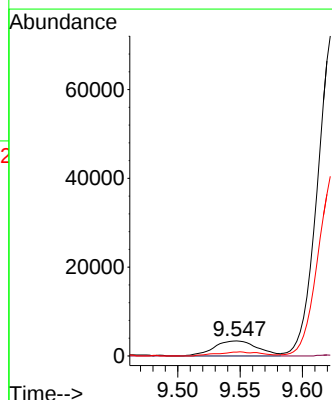
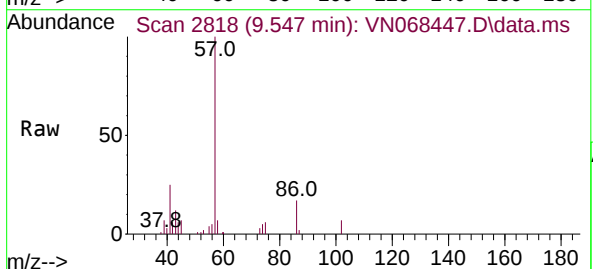
Tgt Ion: 63 Resp: 1820
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#

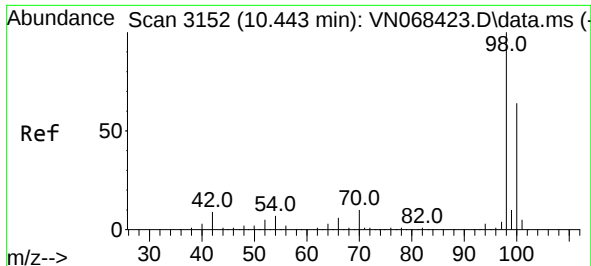


#48

Methyl methacrylate
Concen: 2.622 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion: 41 Resp: 8287
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 0.0 50.3 75.5#

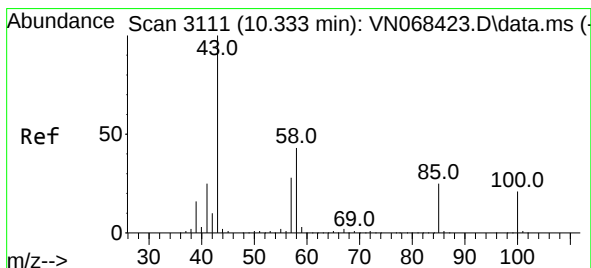
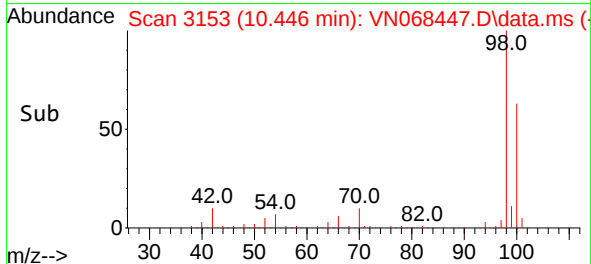
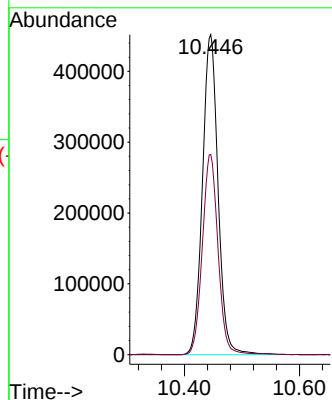
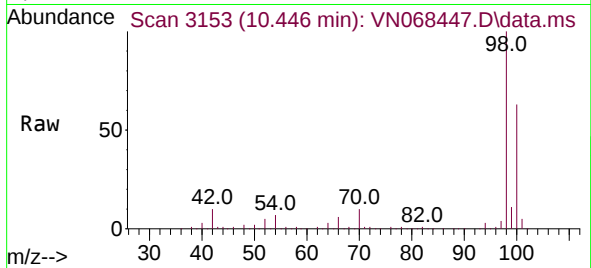




#50
Toluene-d8
Concen: 57.388 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

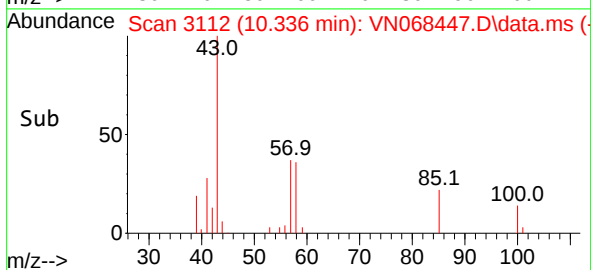
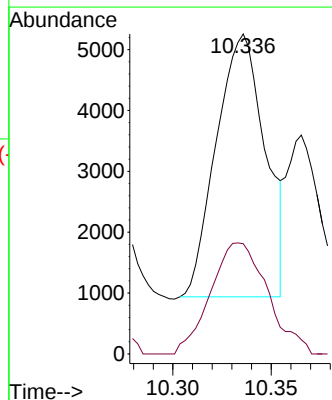
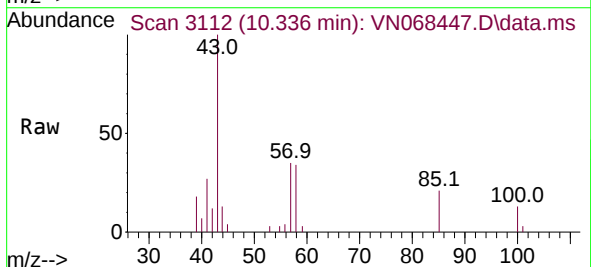
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

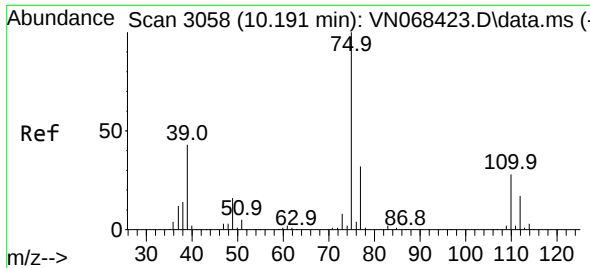
Tgt Ion: 98 Resp: 850539
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.724 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion: 43 Resp: 7449
Ion Ratio Lower Upper
43 100
58 49.3 34.3 51.5

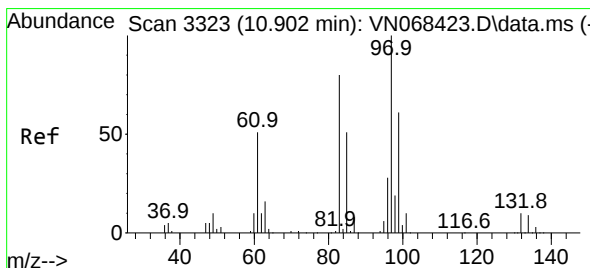
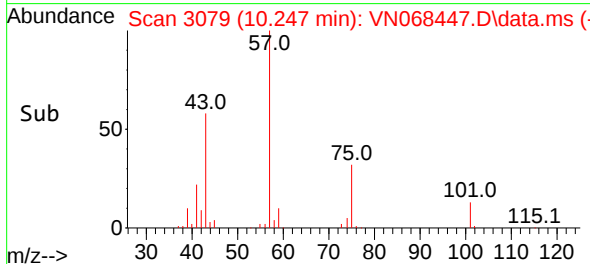
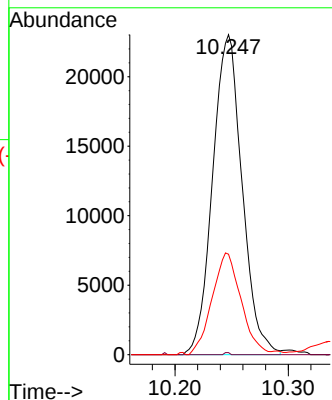
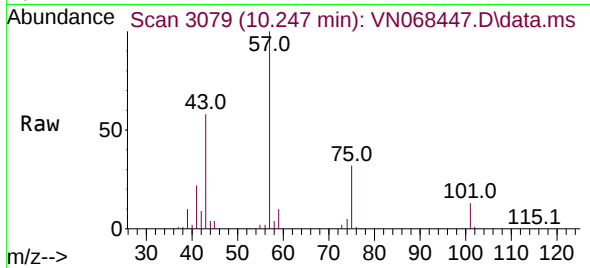




#54
 cis-1,3-Dichloropropene
 Concen: 6.497 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068447.D
 Acq: 9 Sep 2021 17:25

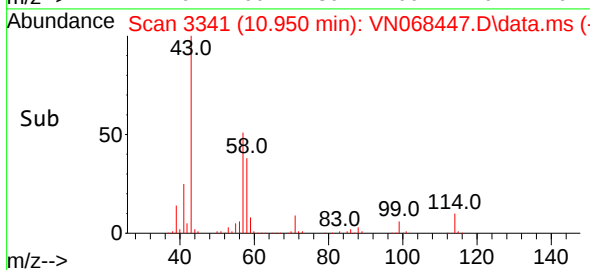
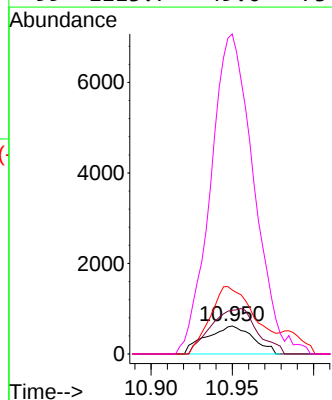
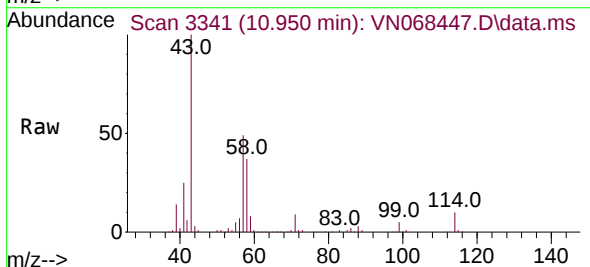
Instrument :
 MSVOA_N
 ClientSampleId :
 FILTER-MEDIA-FILTERS

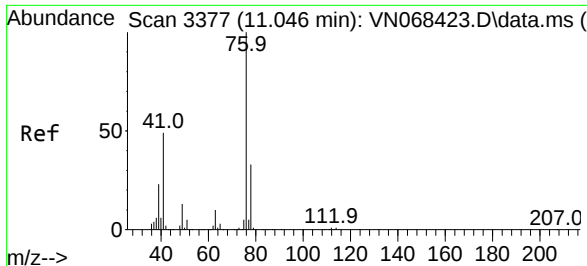
Tgt Ion: 75 Resp: 41522
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 30.8 34.6 52.0#



#55
 1,1,2-Trichloroethane
 Concen: 0.281 ug/l
 RT: 10.950 min Scan# 3341
 Delta R.T. 0.048 min
 Lab File: VN068447.D
 Acq: 9 Sep 2021 17:25

Tgt Ion: 97 Resp: 1237
 Ion Ratio Lower Upper
 97 100
 83 155.6 63.7 95.5#
 85 228.1 40.7 61.1#
 99 1113.7 49.0 73.6#

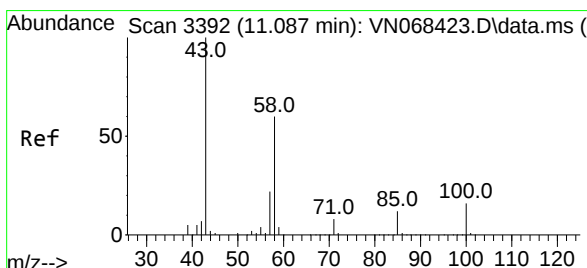
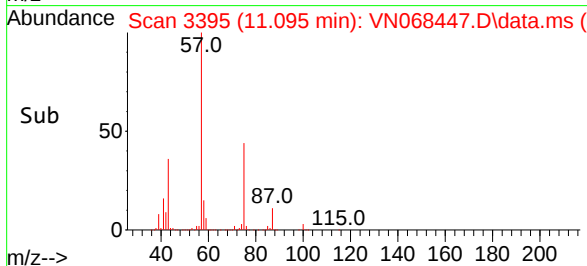
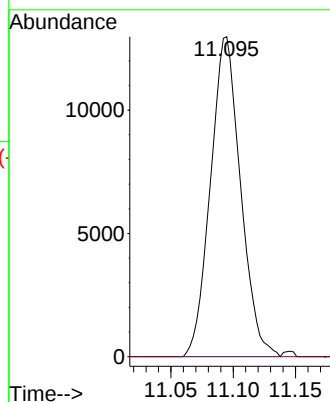
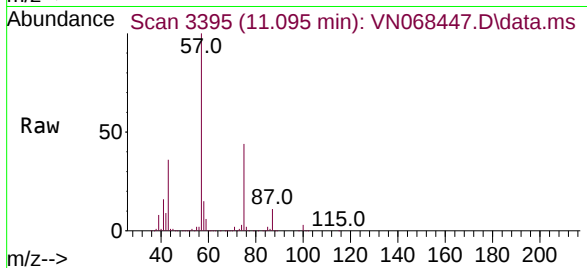




#57
1,3-Dichloropropane
Concen: 3.220 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

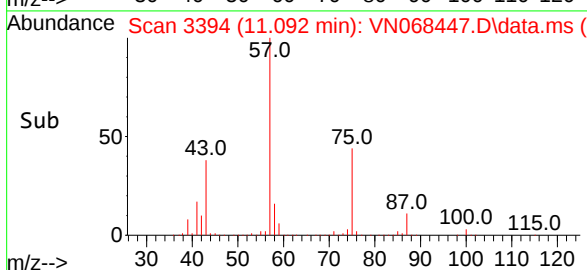
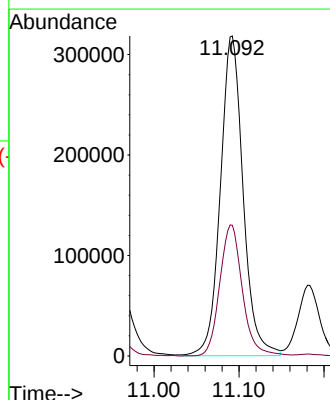
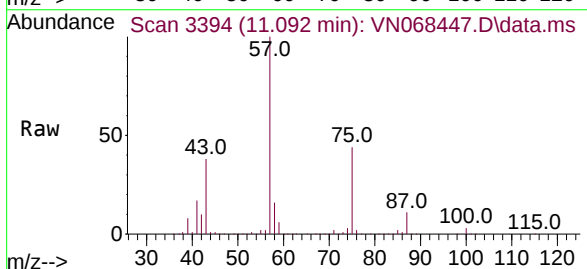
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

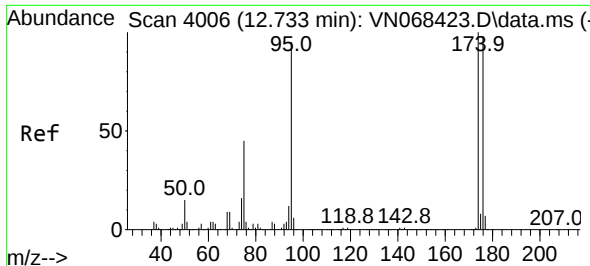
Tgt Ion: 76 Resp: 21814
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 204.650 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion: 43 Resp: 592193
Ion Ratio Lower Upper
43 100
58 40.8 30.0 90.1

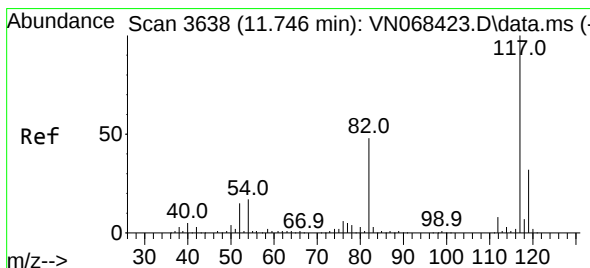
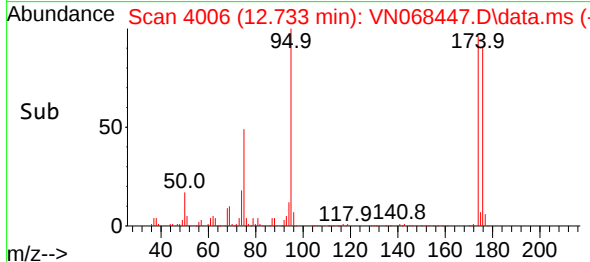
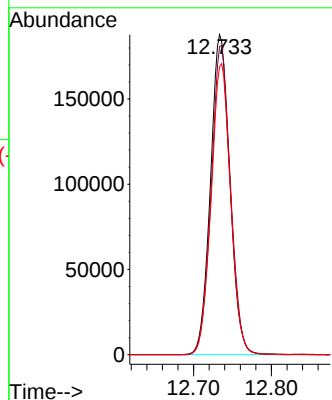
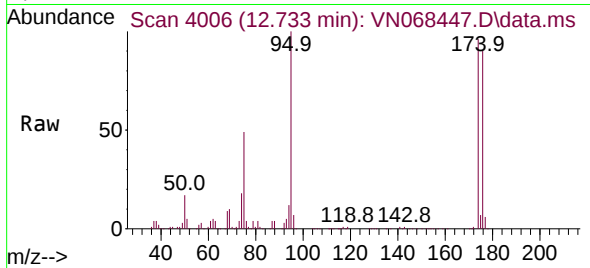




#62
4-Bromofluorobenzene
Concen: 68.280 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

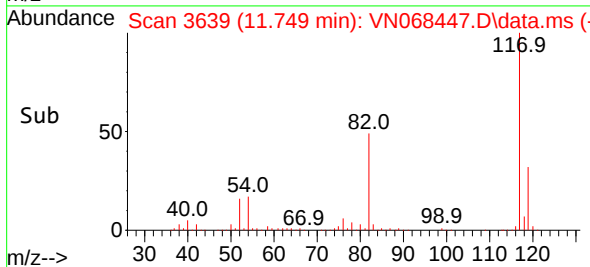
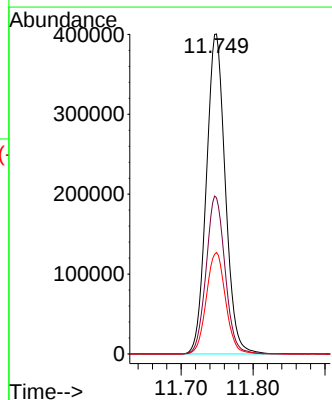
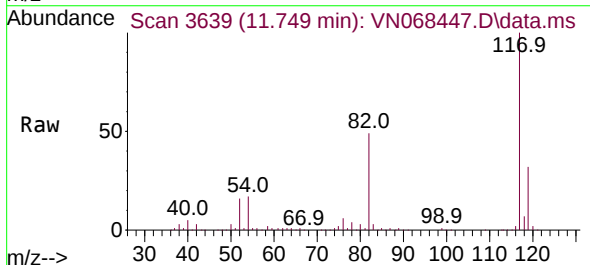
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

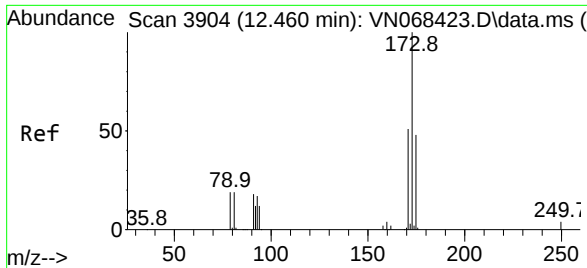
Tgt Ion: 95 Resp: 323813
Ion Ratio Lower Upper
95 100
174 96.4 0.0 214.0
176 91.4 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion: 117 Resp: 734365
Ion Ratio Lower Upper
117 100
82 48.8 38.7 58.1
119 31.7 25.5 38.3

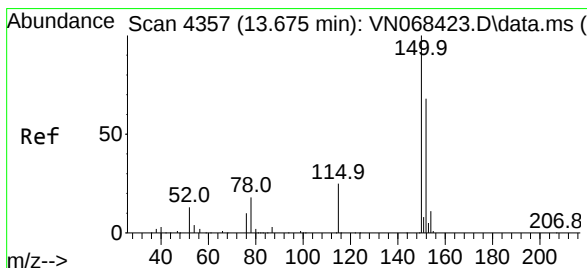
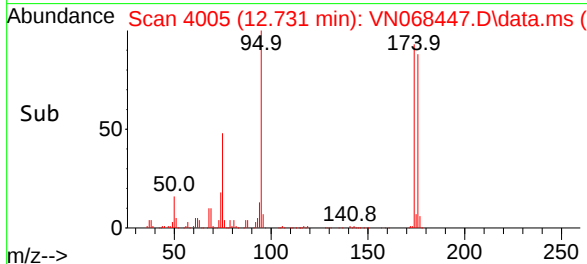
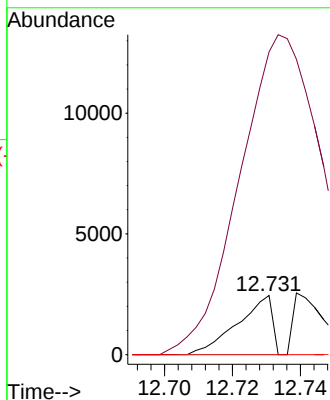
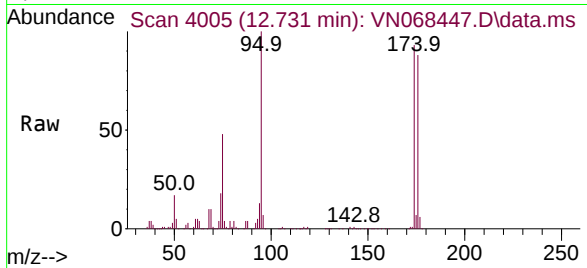




#71
Bromoform
Concen: 0.382 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

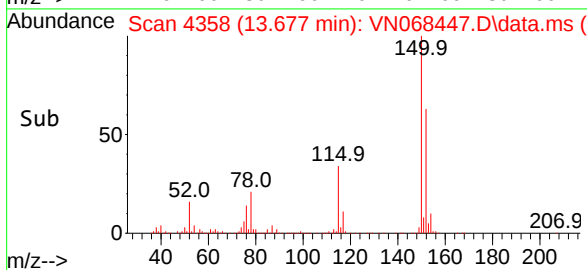
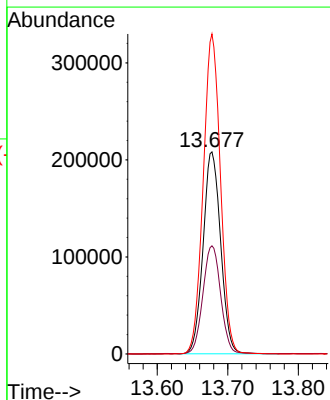
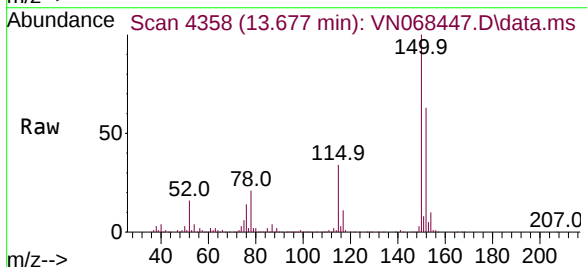
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

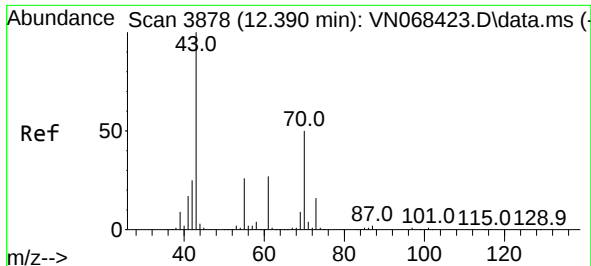
Tgt Ion:173 Resp: 1736
Ion Ratio Lower Upper
173 100
175 1210.7 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

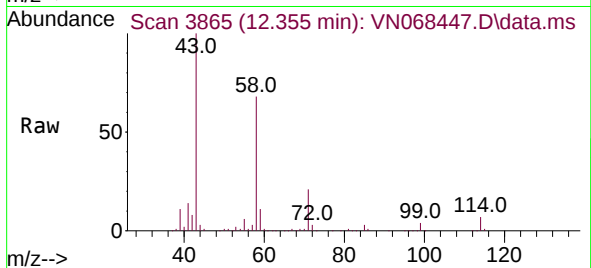
Tgt Ion:152 Resp: 358926
Ion Ratio Lower Upper
152 100
115 54.1 25.6 76.6
150 155.9 0.0 346.8



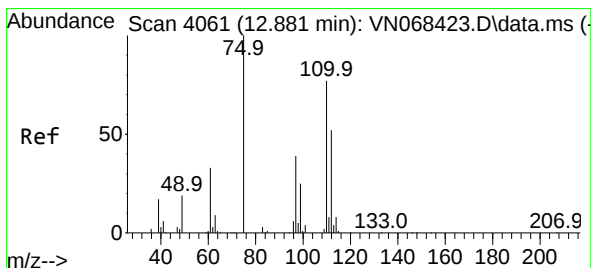
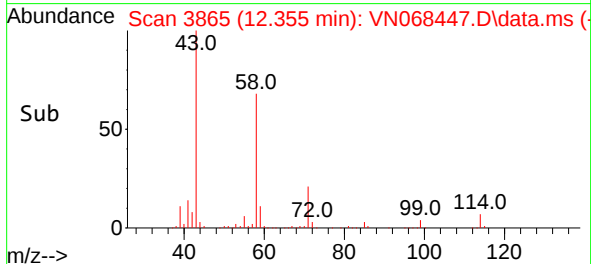
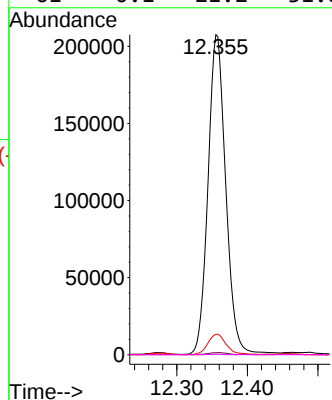


#74
N-amy1 acetate
Concen: 63.691 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

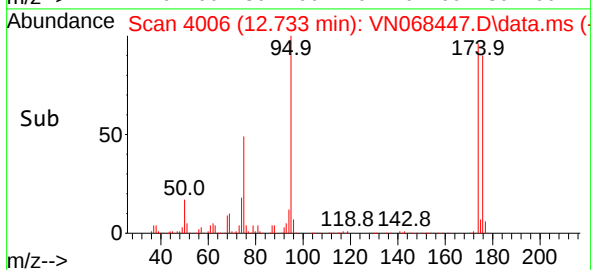
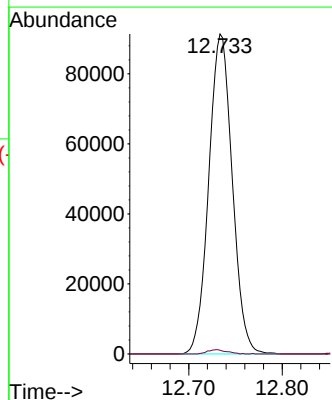
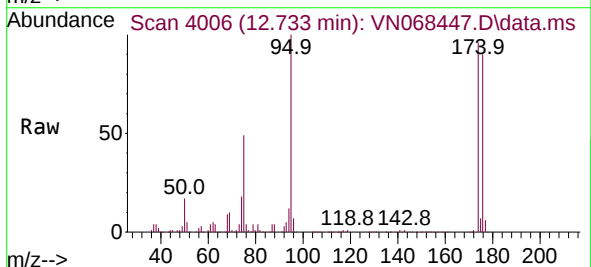


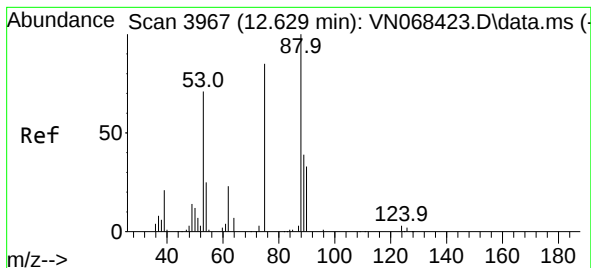
Tgt Ion:	43	Resp:	362696
Ion Ratio	100	Lower	Upper
43	100		
70	0.7	40.0	60.0#
55	6.7	21.1	31.7#
61	0.1	21.2	31.8#



#76
1,2,3-Trichloropropane
Concen: 28.177 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

Tgt Ion:	75	Resp:	159648
Ion Ratio	100	Lower	Upper
75	100		
77	1.1	100.9	302.7#

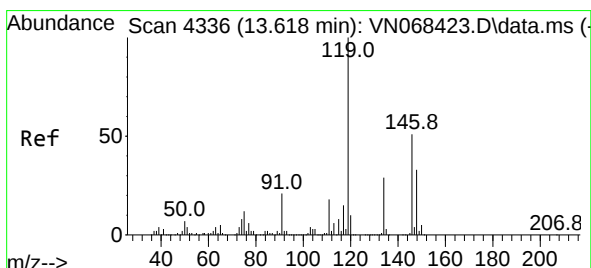
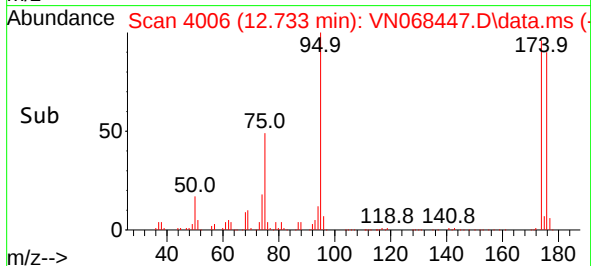
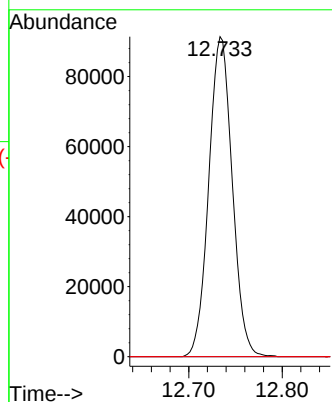
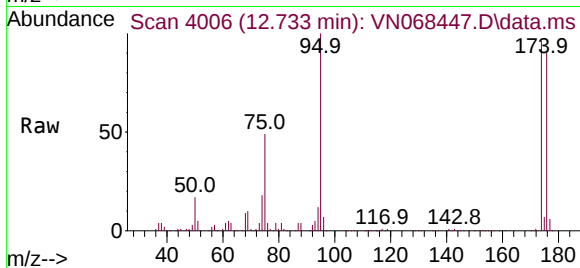




#81
trans-1,4-Dichloro-2-butene
Concen: 98.575 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

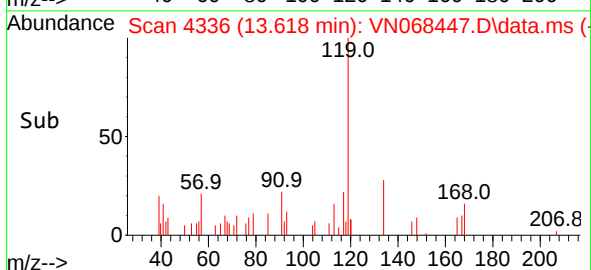
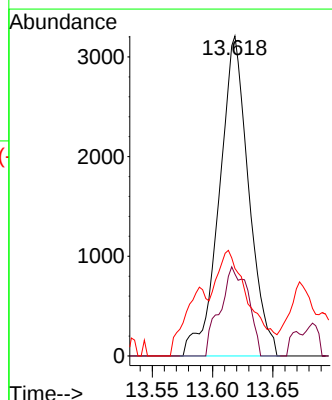
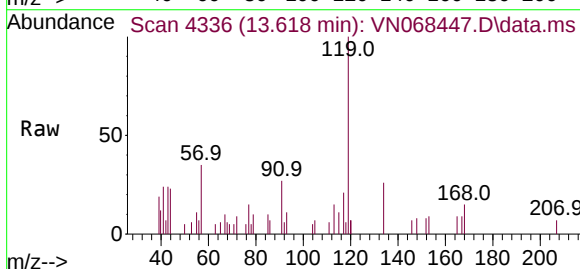
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERS

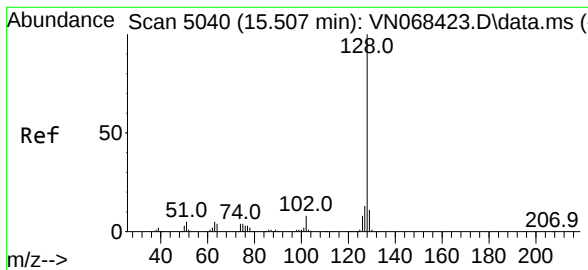
Tgt Ion: 75 Resp: 159648
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#86
p-Isopropyltoluene
Concen: 0.258 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN068447.D
Acq: 9 Sep 2021 17:25

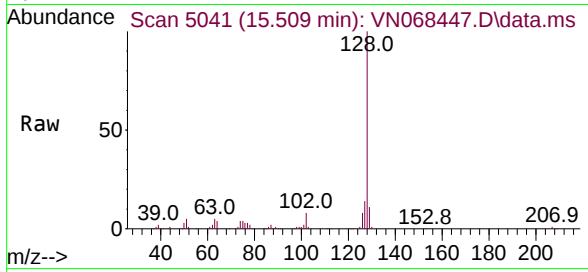
Tgt Ion: 119 Resp: 5440
Ion Ratio Lower Upper
119 100
134 26.6 14.1 42.4
91 38.4 10.6 31.8#





#95
 Naphthalene
 Concen: 20.750 ug/l
 RT: 15.509 min Scan# 5041
 Delta R.T. 0.002 min
 Lab File: VN068447.D
 Acq: 9 Sep 2021 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 FILTER-MEDIA-FILTERS



Tgt Ion:128 Resp: 263586

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	10.8	8.6	13.0

