

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068219.D
 Acq On : 19 Aug 2021 16:14
 Operator : JC/MD
 Sample : M3449-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP2

Quant Time: Aug 20 01:54:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

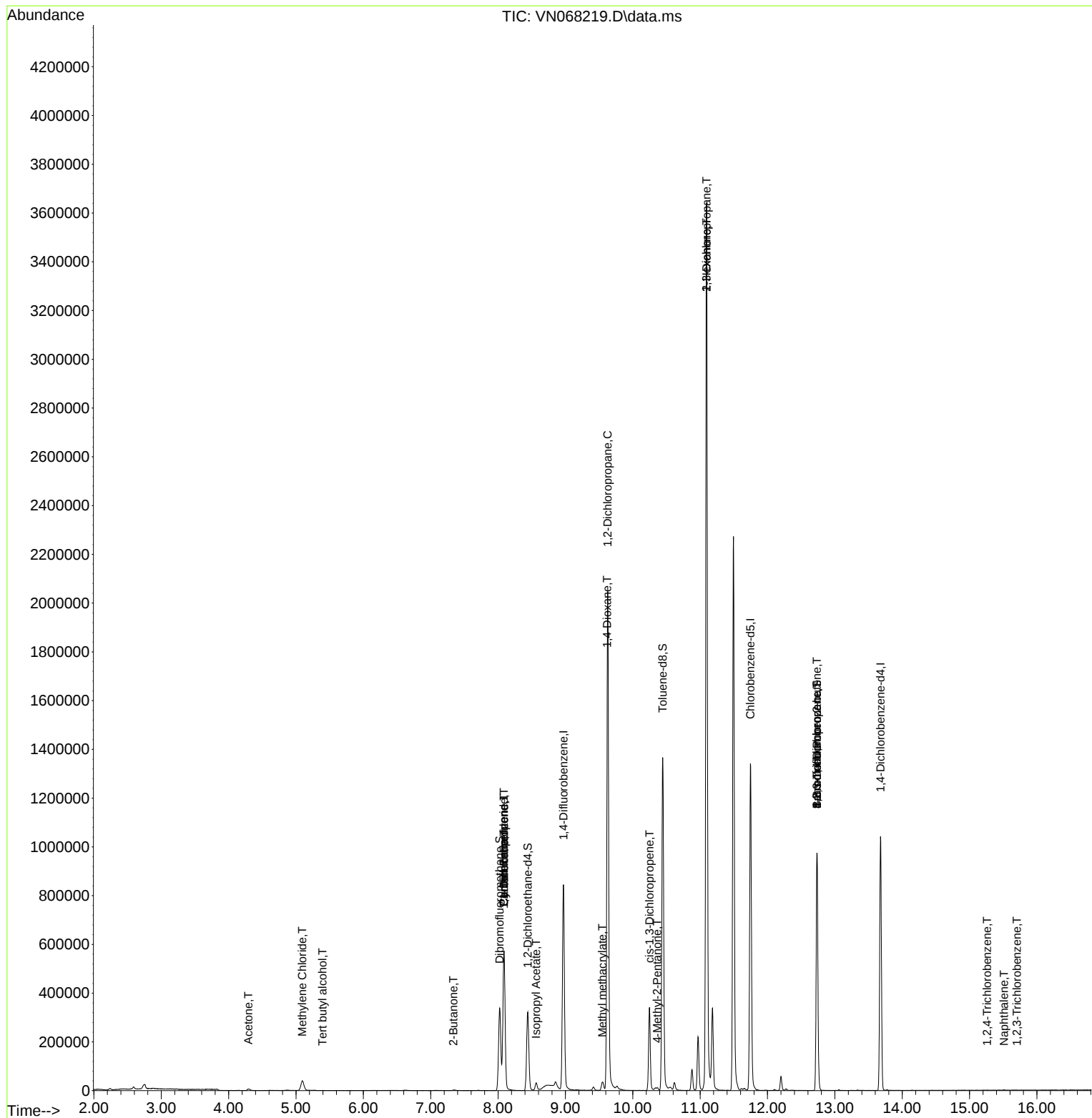
Internal Standards						
1) Pentafluorobenzene	8.088	168	470655	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	801840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	877040	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	322496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	269683	53.665	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.320%			
35) Dibromofluoromethane	8.024	113	244470	48.562	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.120%			
50) Toluene-d8	10.443	98	1031272	53.763	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.520%			
62) 4-Bromofluorobenzene	12.734	95	329946	51.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.802	94	120	Below Cal	#	4
6) Chloroethane	2.971	64	24	Below Cal	#	44
11) Tert butyl alcohol	5.393	59	382	0.610	ug/l #	71
13) Acrolein	4.033	56	260	Below Cal	#	42
16) Acetone	4.293	43	12249	8.348	ug/l	91
18) Methyl Acetate	4.870	43	3022	Below Cal	#	54
20) Methylene Chloride	5.093	84	34450	6.643	ug/l #	78
25) 2-Butanone	7.337	43	1165	0.509	ug/l	95
31) Cyclohexane	8.088	56	7991	1.207	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	31183	4.757	ug/l #	53
38) Carbon Tetrachloride	8.088	117	44530	5.890	ug/l #	17
43) Isopropyl Acetate	8.566	43	35427	3.961	ug/l #	92
45) 1,2-Dichloropropane	9.628	63	2647	0.563	ug/l #	44
48) Methyl methacrylate	9.550	41	8746	2.346	ug/l #	12
49) 1,4-Dioxane	9.620	88	82	0.910	ug/l #	1
51) 4-Methyl-2-Pentanone	10.363	43	15263	2.778	ug/l #	39
54) cis-1,3-Dichloropropene	10.247	75	66482	8.758	ug/l #	55
57) 1,3-Dichloropropane	11.095	76	40910	4.873	ug/l #	43
59) 2-Hexanone	11.095	43	517484	135.635	ug/l #	58
71) Bromoform	12.734	173	2247	0.414	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	165498	30.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	165498	101.152	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.260	180	154	2.712	ug/l #	83
95) Naphthalene	15.512	128	1399	3.447	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.702	180	214	2.871	ug/l #	39

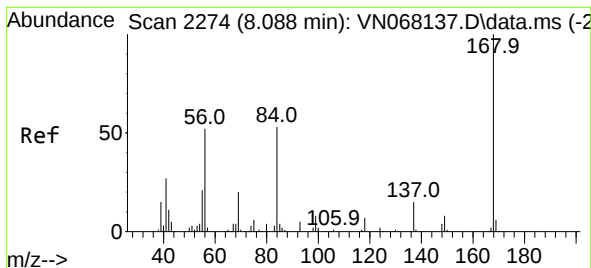
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068219.D

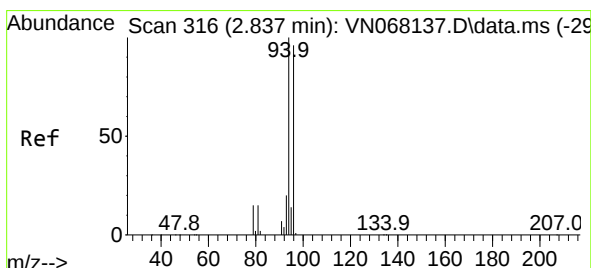
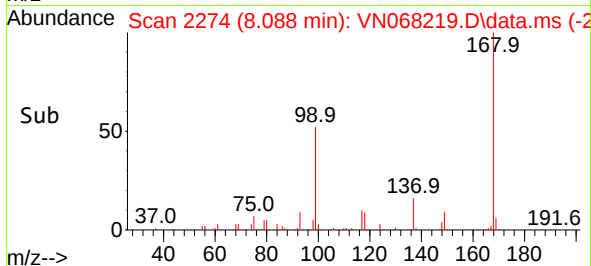
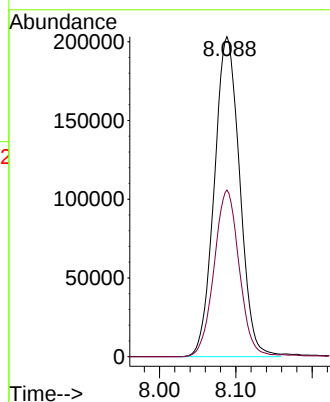
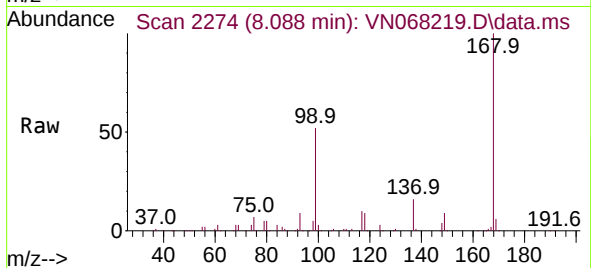
Acq: 19 Aug 2021 16:14

Tgt Ion:168 Resp: 470655

Ion Ratio Lower Upper

168 100

99 52.1 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.802 min Scan# 303

Delta R.T. -0.035 min

Lab File: VN068219.D

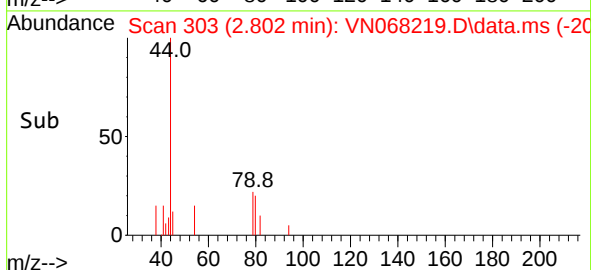
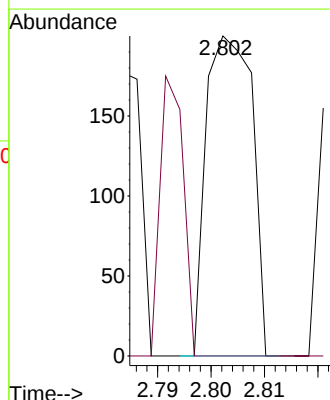
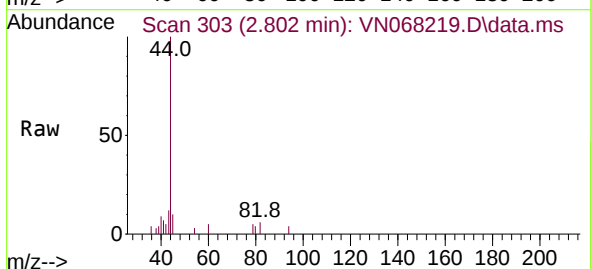
Acq: 19 Aug 2021 16:14

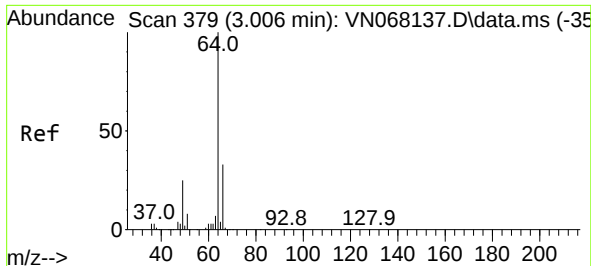
Tgt Ion: 94 Resp: 120

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

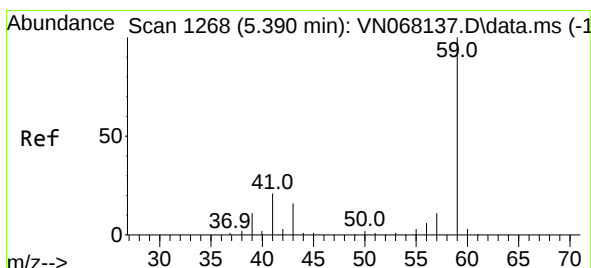
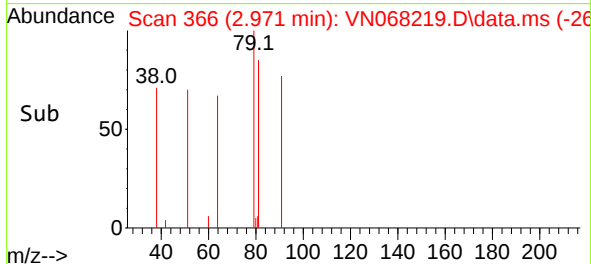
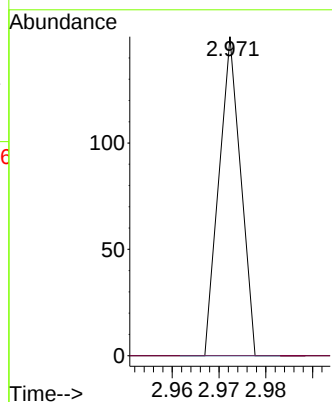
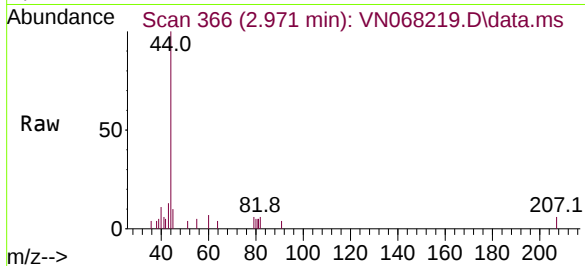




#6
Chloroethane
Concen: Below Cal
RT: 2.971 min Scan# 366
Delta R.T. -0.035 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

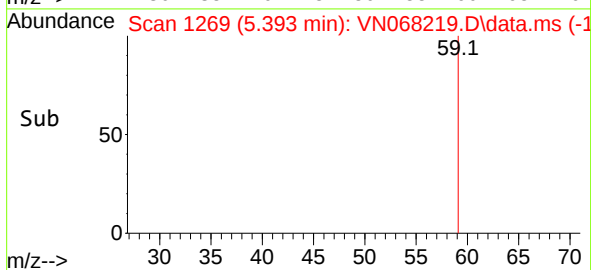
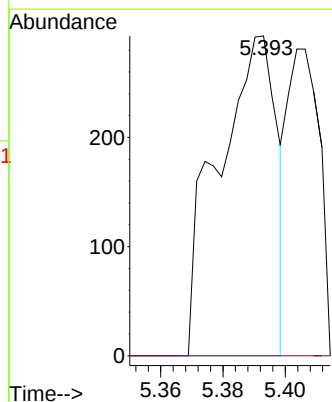
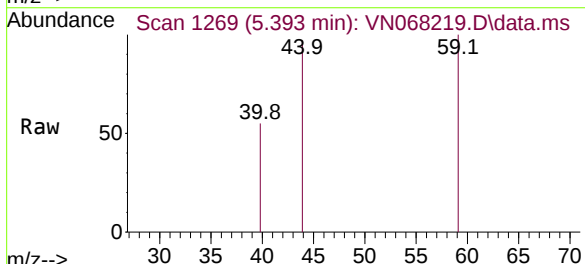
Instrument :
MSVOA_N
ClientSampled :
TP2

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.610 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

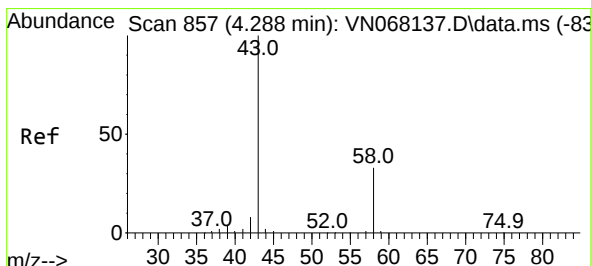
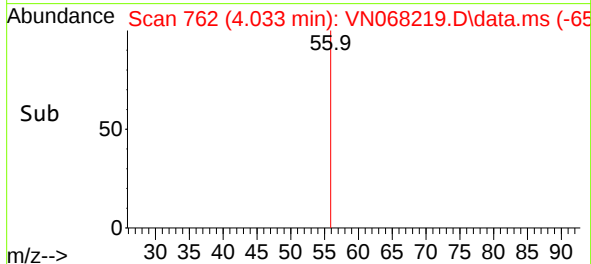
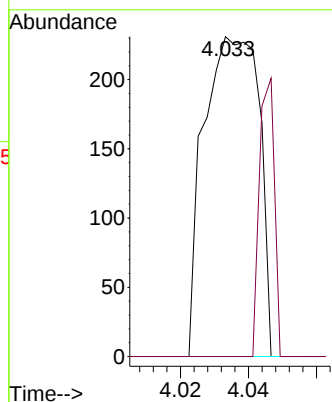
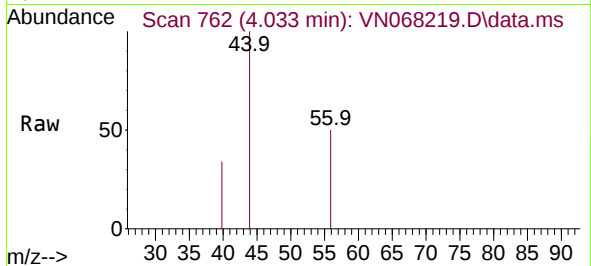




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

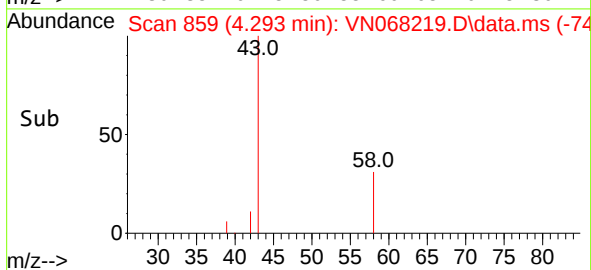
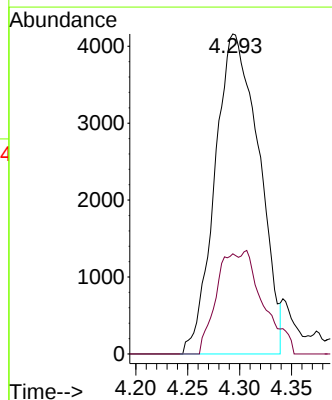
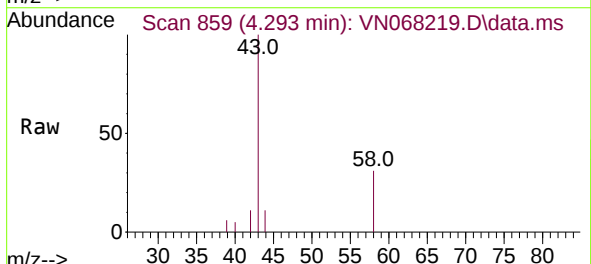
Instrument :
MSVOA_N
ClientSampled :
TP2

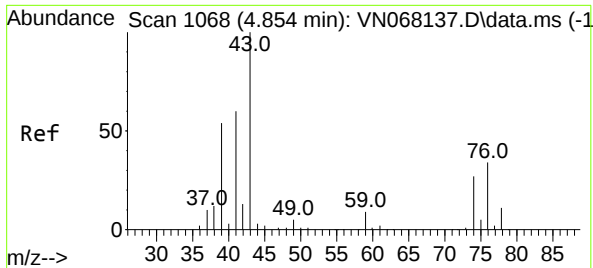
Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 23.5 57.4 86.0#



#16
Acetone
Concen: 8.348 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 43 Resp: 12249
Ion Ratio Lower Upper
43 100
58 31.3 21.2 31.8

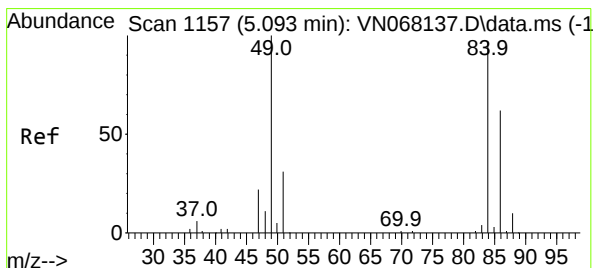
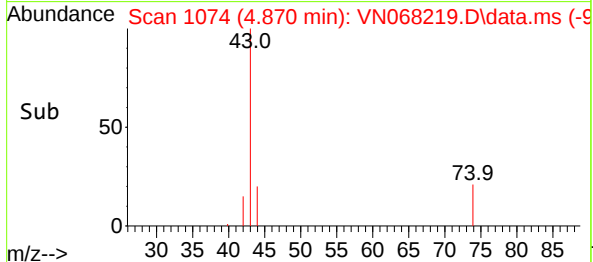
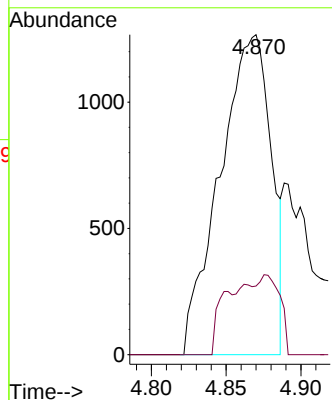
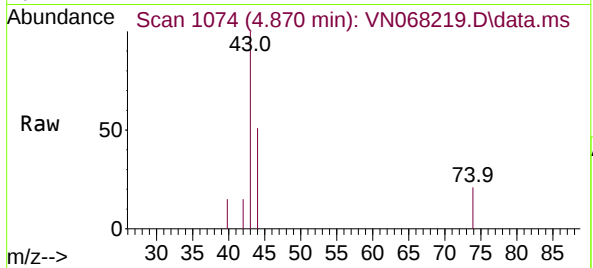




#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

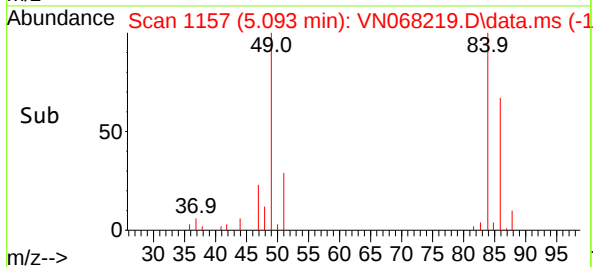
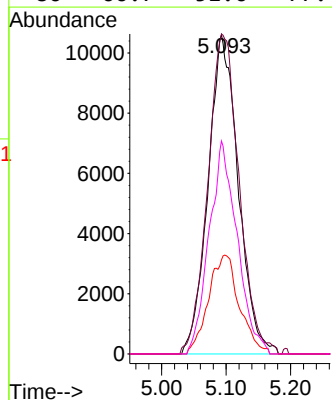
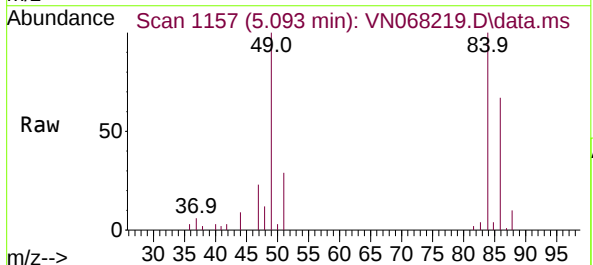
Instrument :
MSVOA_N
ClientSampled :
TP2

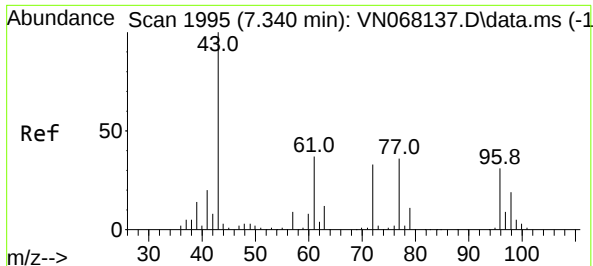
Tgt Ion: 43 Resp: 3022
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 6.643 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 84 Resp: 34450
Ion Ratio Lower Upper
84 100
49 100.2 110.9 166.3#
51 29.5 32.6 49.0#
86 66.7 51.6 77.4





#25

2-Butanone

Concen: 0.509 ug/l

RT: 7.337 min Scan# 1994

Delta R.T. -0.003 min

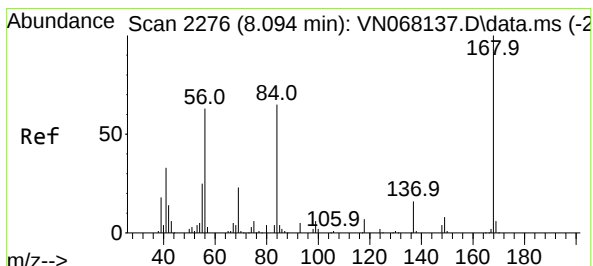
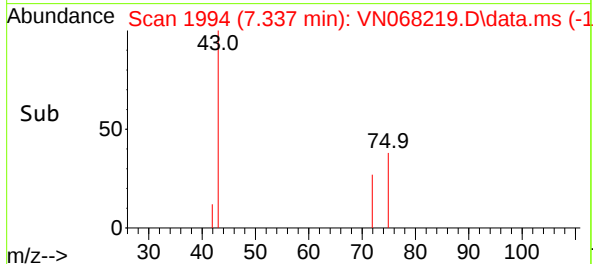
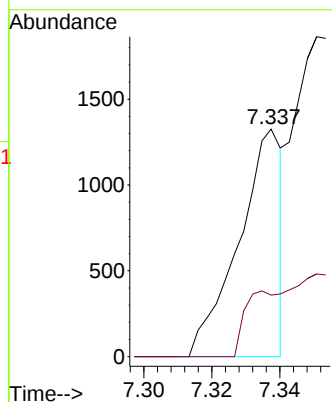
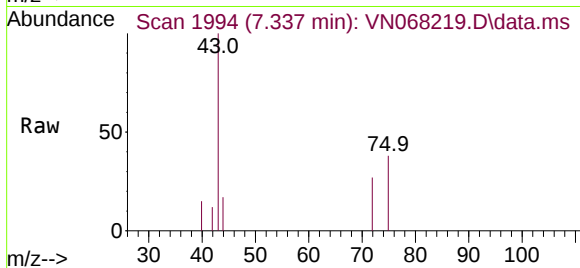
Lab File: VN068219.D

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Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

43	100		
72	27.1	19.7	29.5



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

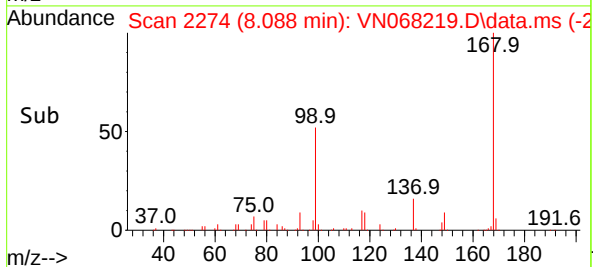
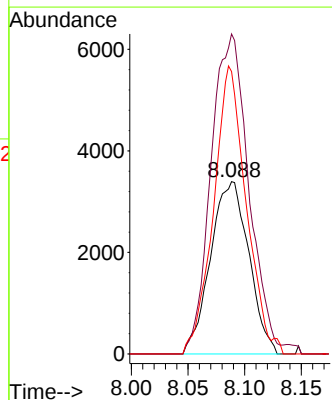
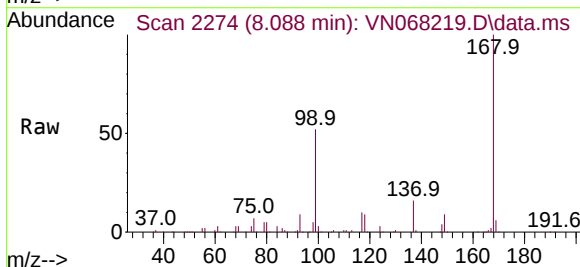
Lab File: VN068219.D

Acq: 19 Aug 2021 16:14

Tgt Ion: 56 Resp: 7991

Ion Ratio Lower Upper

56	100		
69	185.7	27.3	40.9#
84	163.9	64.9	97.3#

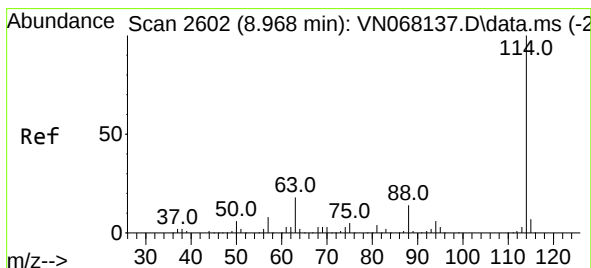
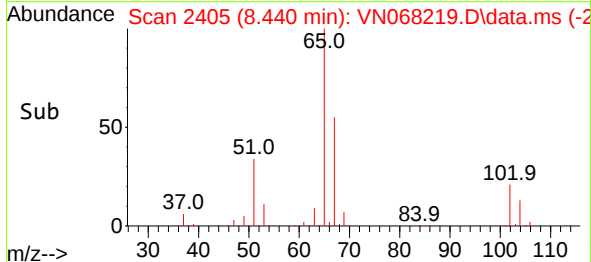
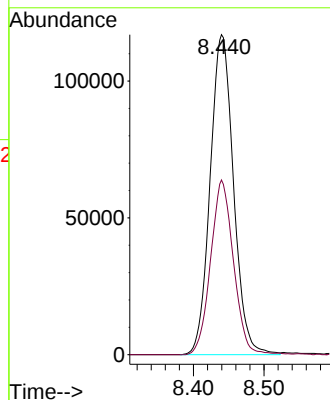
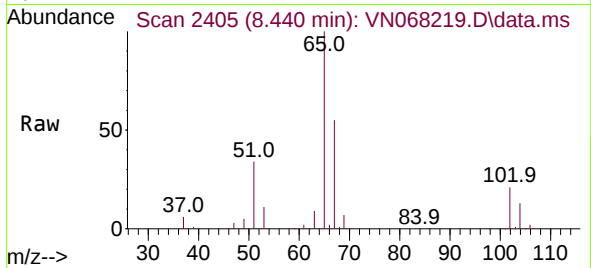




#33
1,2-Dichloroethane-d4
Concen: 53.665 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

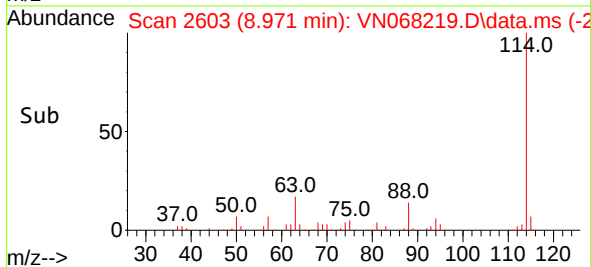
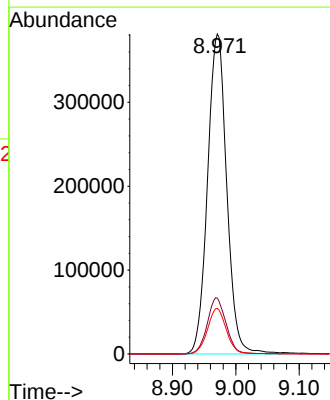
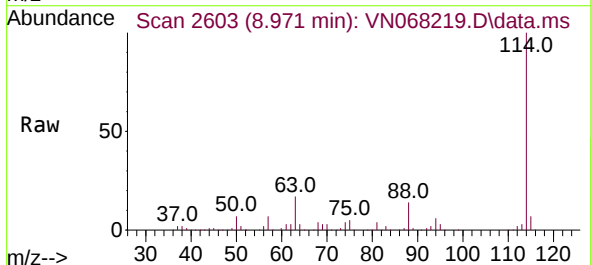
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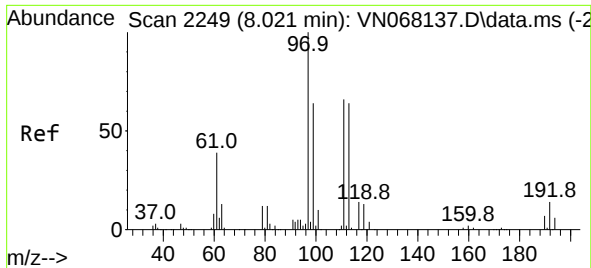
Tgt Ion: 65 Resp: 269683
Ion Ratio Lower Upper
65 100
67 53.2 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 114 Resp: 801840
Ion Ratio Lower Upper
114 100
63 17.4 0.0 49.0
88 14.3 0.0 36.6

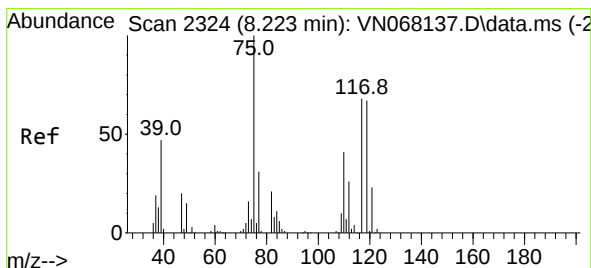
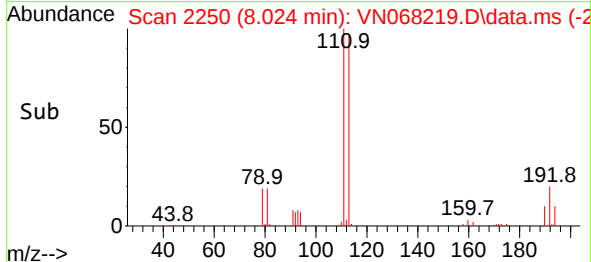
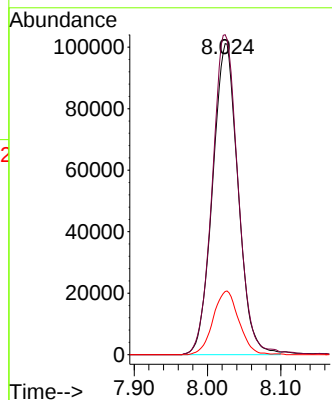
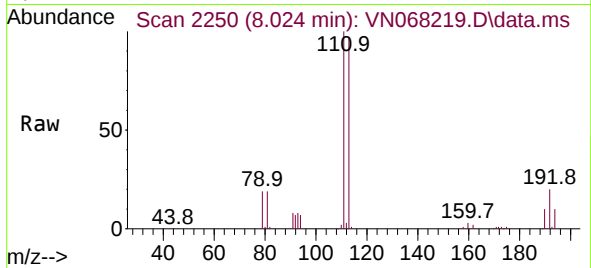




#35
Dibromofluoromethane
Concen: 48.562 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

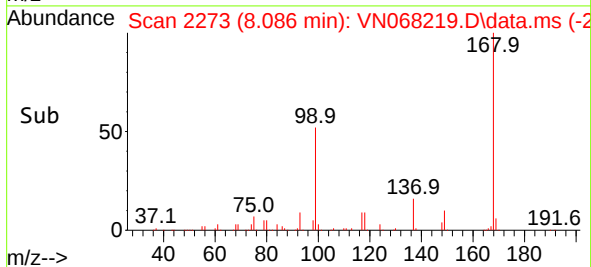
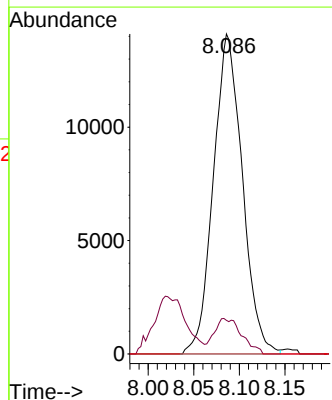
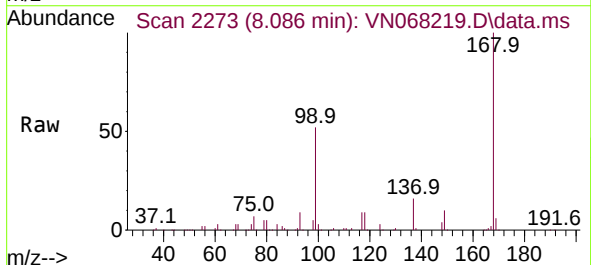
Instrument :
MSVOA_N
ClientSampled :
TP2

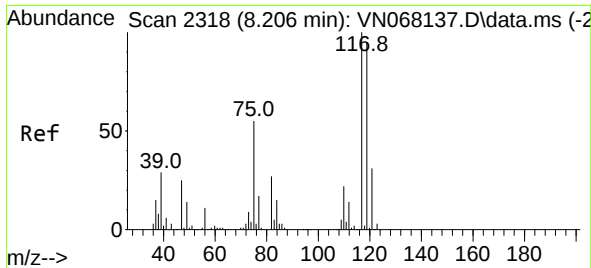
Tgt Ion:113 Resp: 244470
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 20.7 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.757 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 75 Resp: 31183
Ion Ratio Lower Upper
75 100
110 10.7 15.7 47.0#
77 0.0 24.6 37.0#

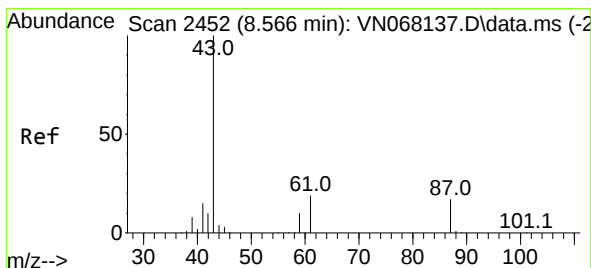
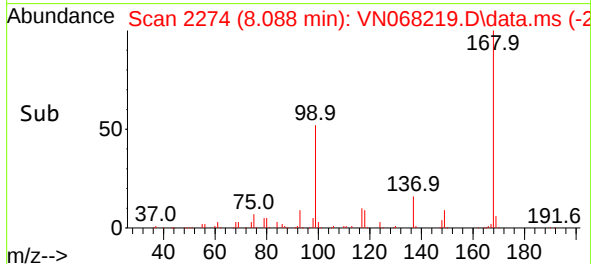
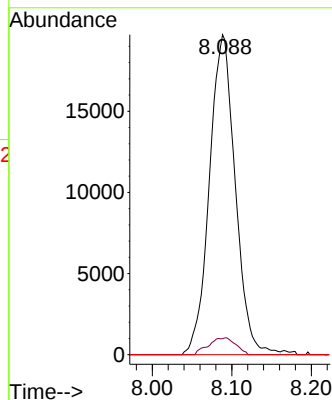
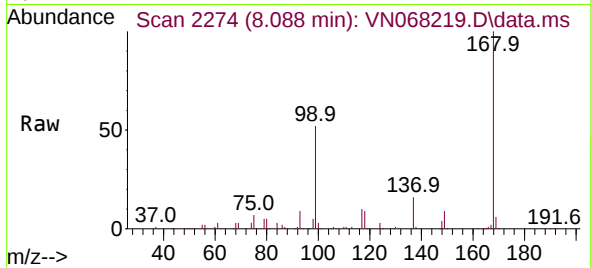




#38
Carbon Tetrachloride
Concen: 5.890 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

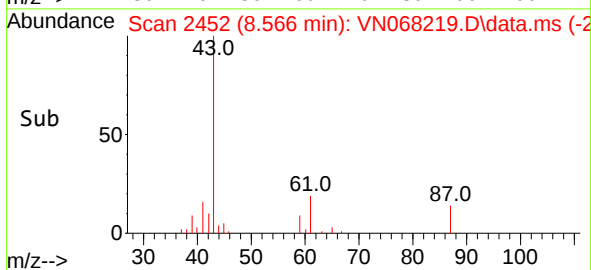
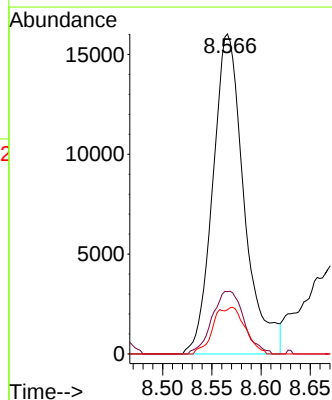
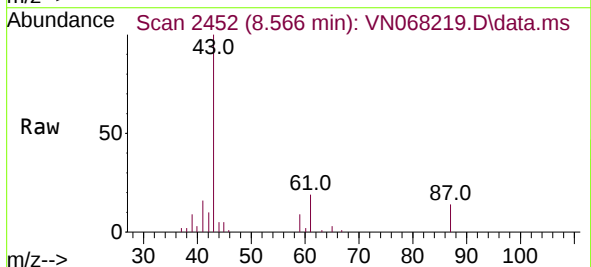
Instrument :
MSVOA_N
ClientSampled :
TP2

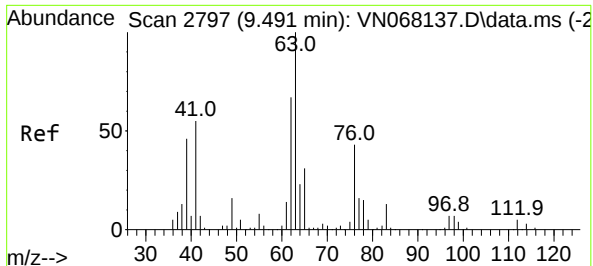
Tgt Ion:117 Resp: 44530
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 3.961 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 43 Resp: 35427
Ion Ratio Lower Upper
43 100
61 19.9 19.0 28.4
87 14.9 9.5 14.3#

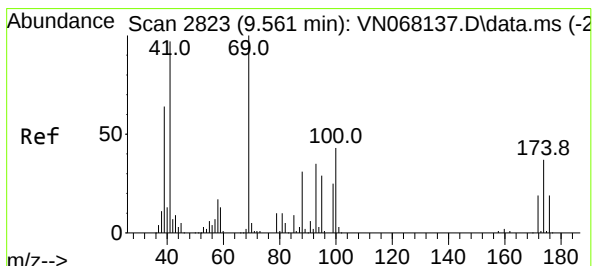
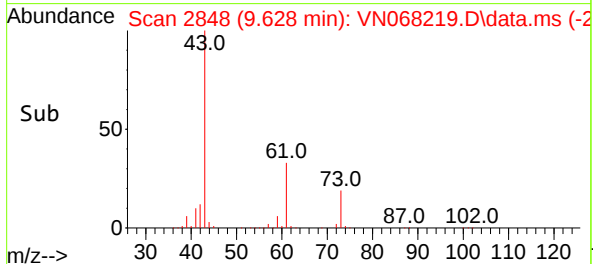
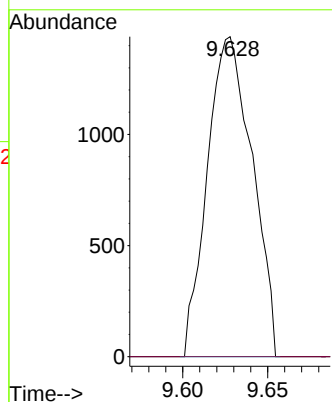
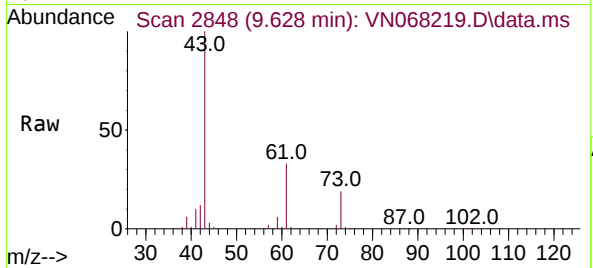




#45
1,2-Dichloropropane
Concen: 0.563 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

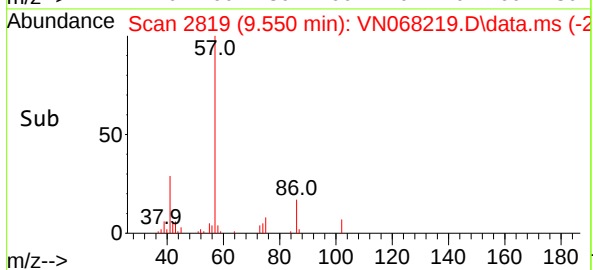
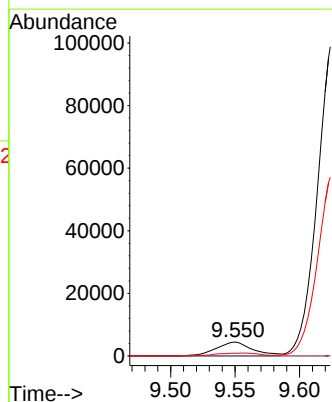
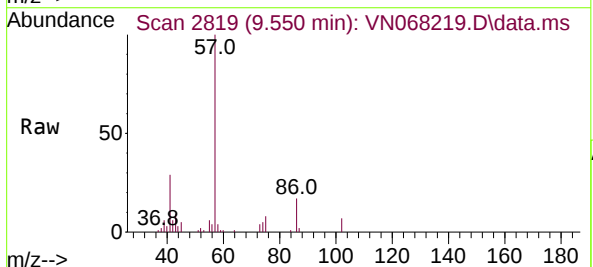
Instrument :
MSVOA_N
ClientSampled :
TP2

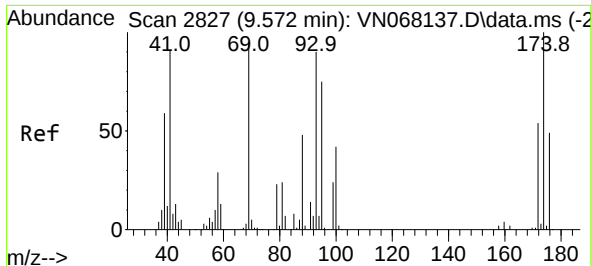
Tgt Ion: 63 Resp: 2647
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.346 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 41 Resp: 8746
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 0.910 ug/l

RT: 9.620 min Scan# 2845

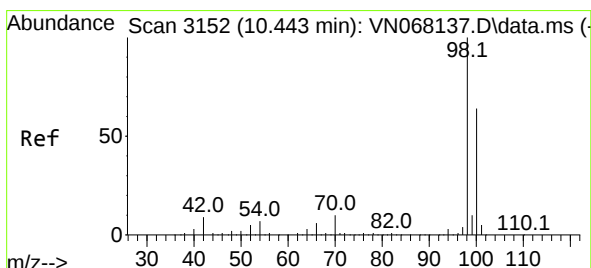
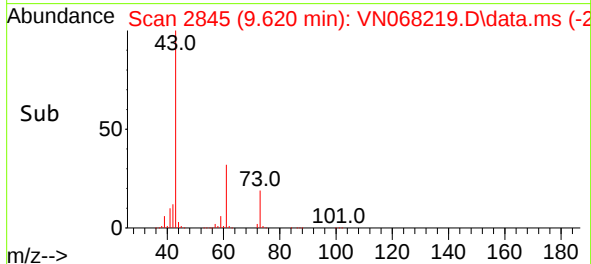
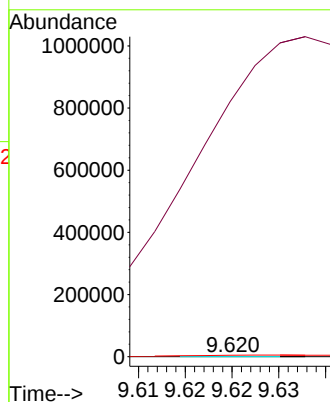
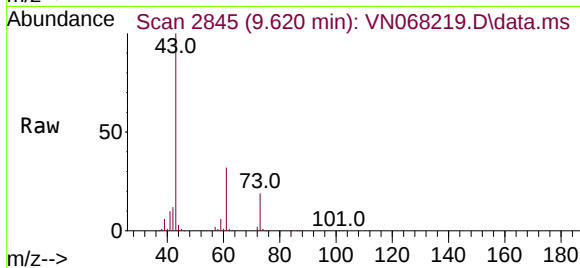
Delta R.T. 0.048 min

Lab File: VN068219.D

Acq: 19 Aug 2021 16:14

Instrument :
MSVOA_N
ClientSampled :
TP2

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 2365403.7 28.8 43.2#
58 12543.9 60.4 90.6#



#50

Toluene-d8

Concen: 53.763 ug/l

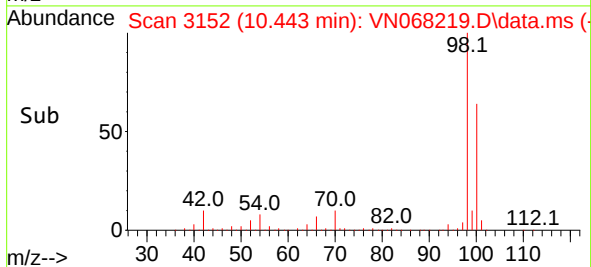
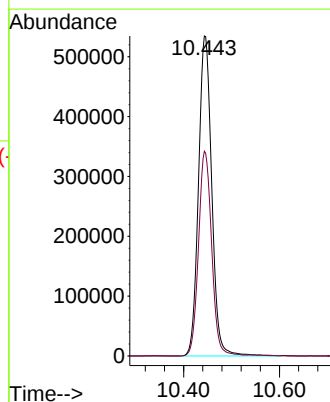
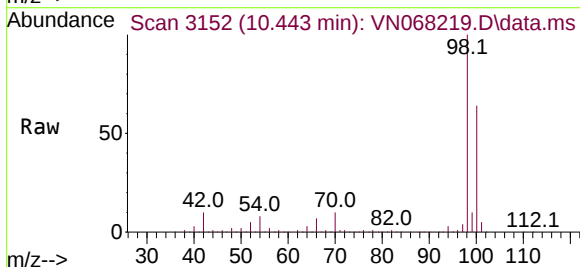
RT: 10.443 min Scan# 3152

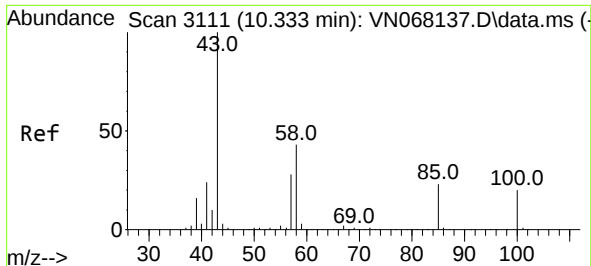
Delta R.T. 0.000 min

Lab File: VN068219.D

Acq: 19 Aug 2021 16:14

Tgt Ion: 98 Resp: 1031272
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

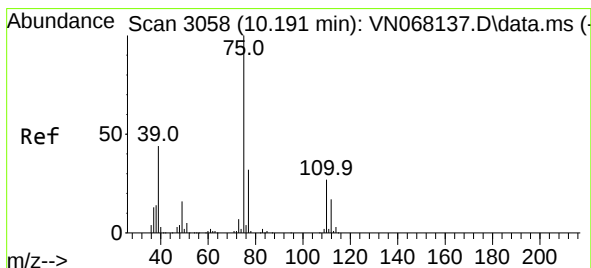
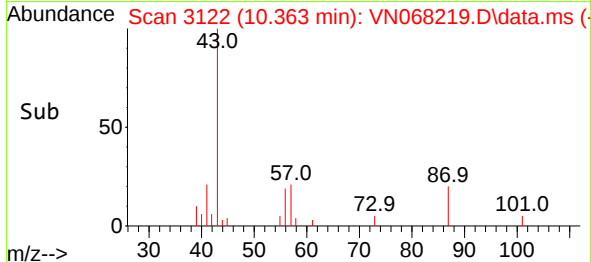
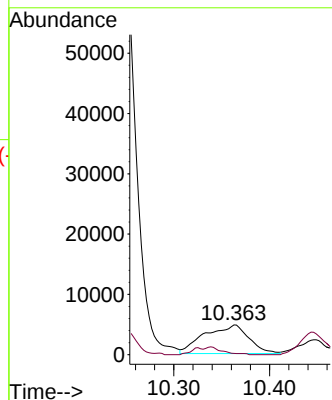
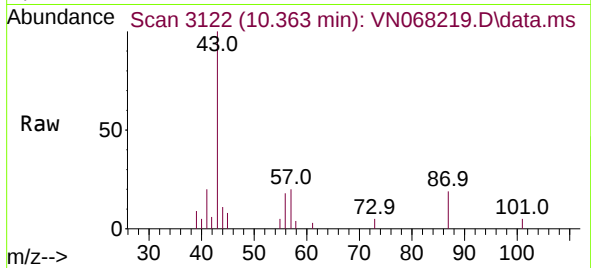




#51
4-Methyl-2-Pentanone
Concen: 2.778 ug/l
RT: 10.363 min Scan# 3122
Delta R.T. 0.030 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

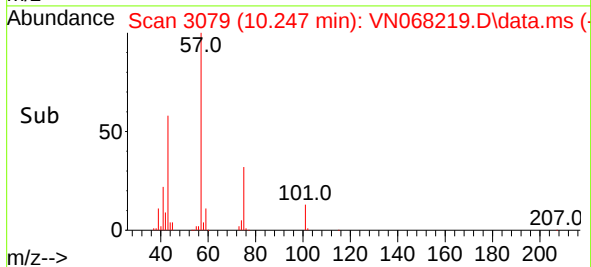
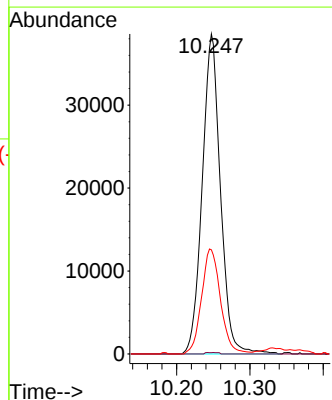
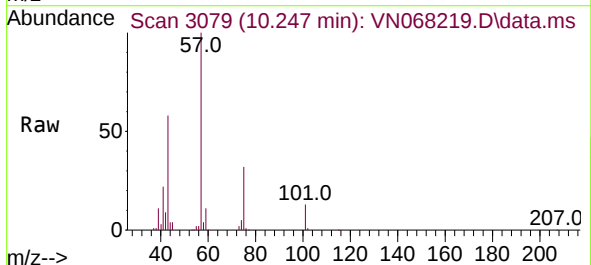
Instrument :
MSVOA_N
ClientSampled :
TP2

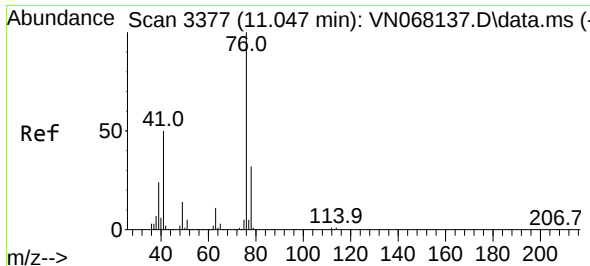
Tgt Ion: 43 Resp: 15263
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.758 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 75 Resp: 66482
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 32.6 50.7 76.1#

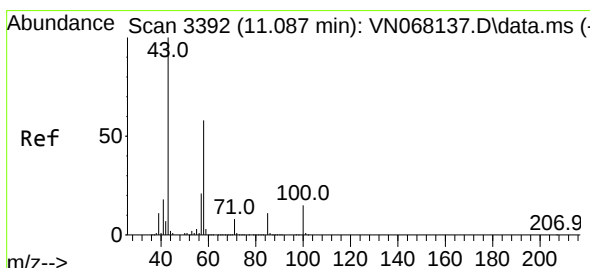
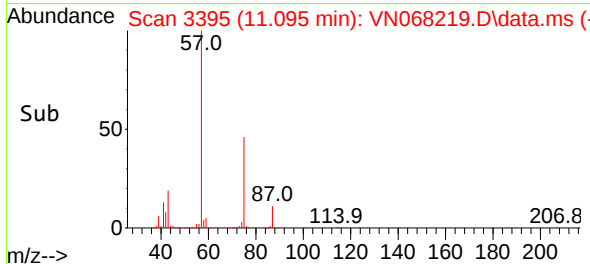
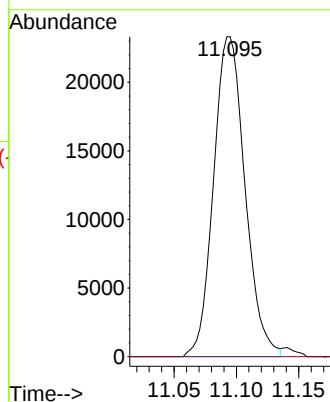
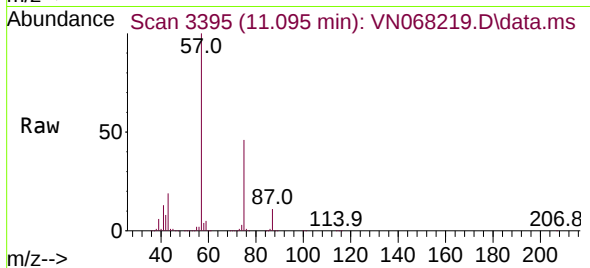




#57
1,3-Dichloropropane
Concen: 4.873 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

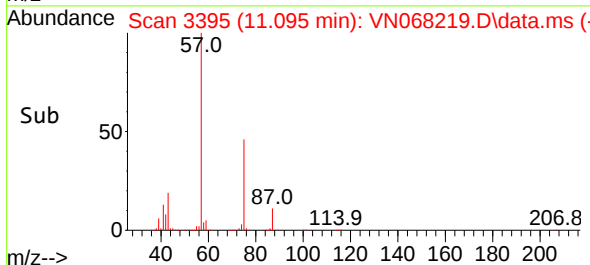
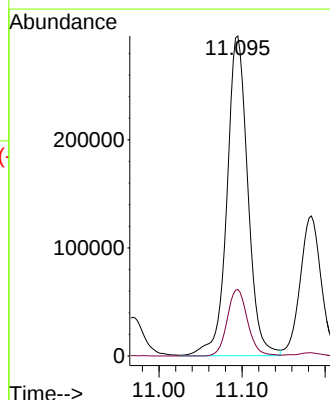
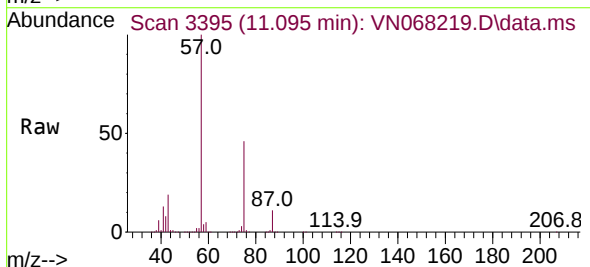
Instrument :
MSVOA_N
ClientSampled :
TP2

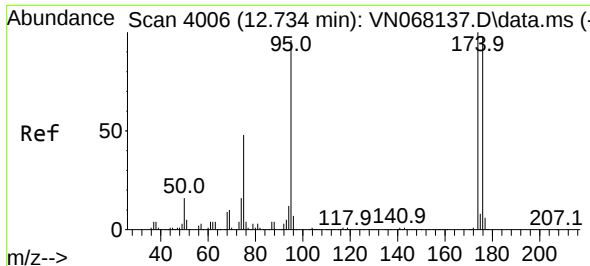
Tgt Ion: 76 Resp: 40910
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 135.635 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 43 Resp: 517484
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#

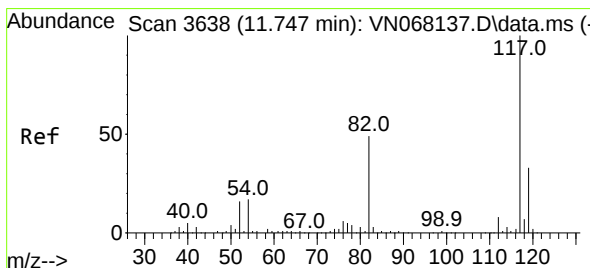
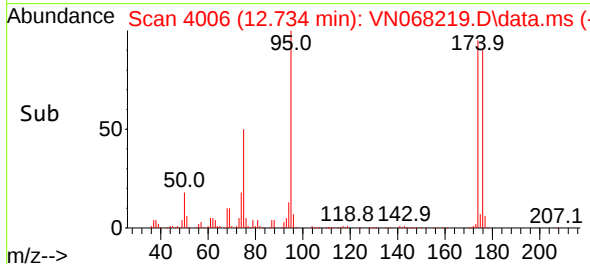
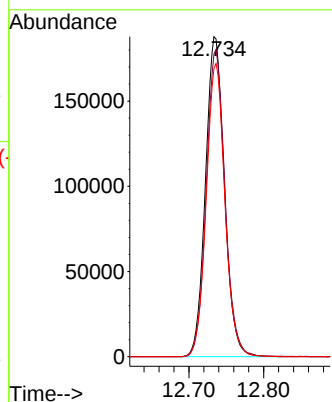
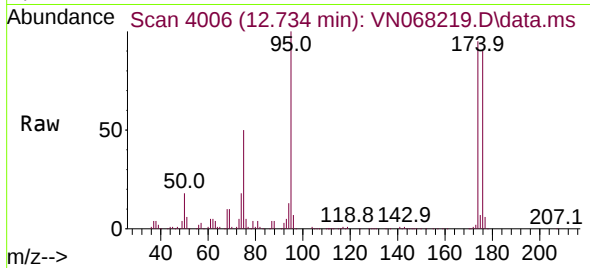




#62
4-Bromofluorobenzene
Concen: 51.671 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

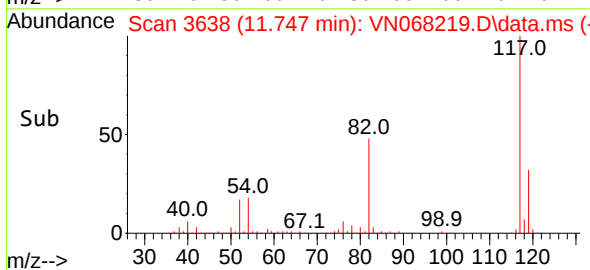
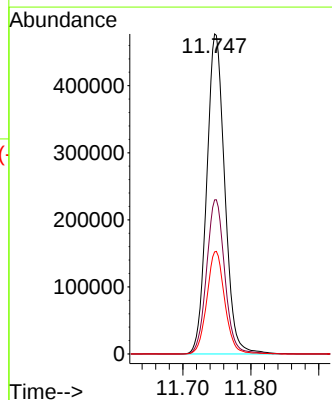
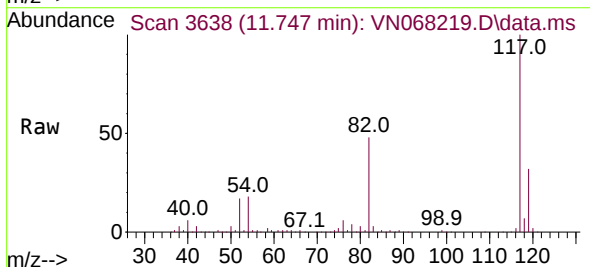
Instrument :
MSVOA_N
ClientSampled :
TP2

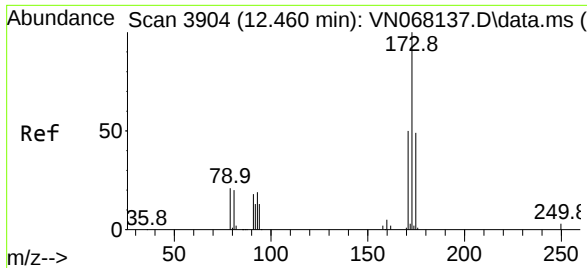
Tgt Ion: 95 Resp: 329946
Ion Ratio Lower Upper
95 100
174 95.5 0.0 122.0
176 90.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 117 Resp: 877040
Ion Ratio Lower Upper
117 100
82 48.2 53.1 79.7#
119 31.9 25.5 38.3

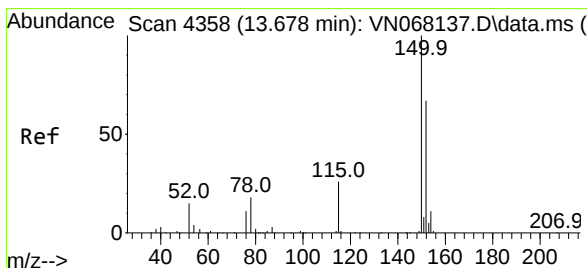
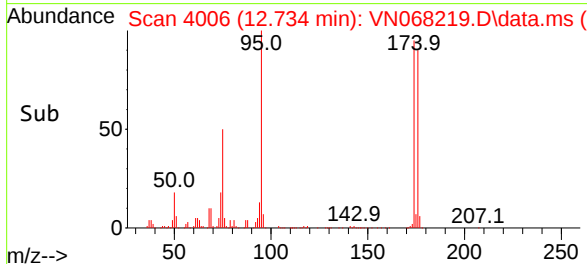
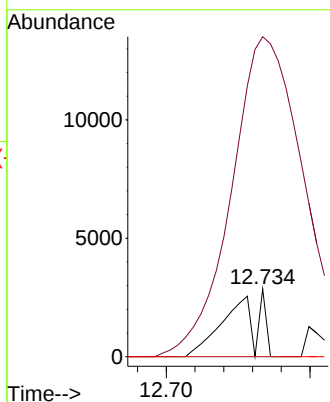
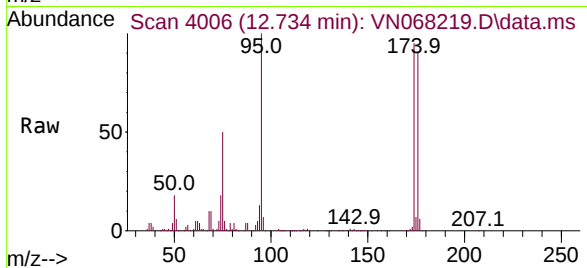




#71
Bromoform
Concen: 0.414 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

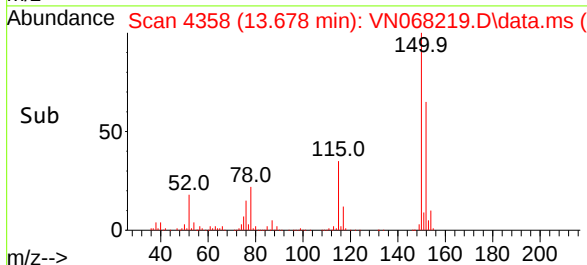
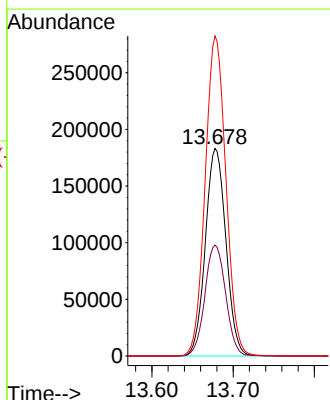
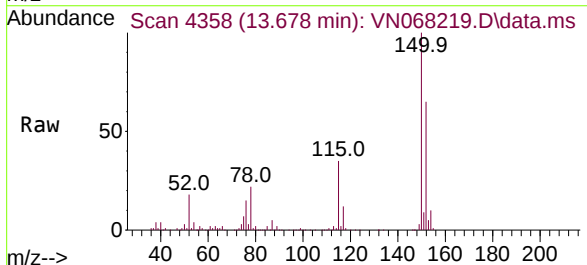
Instrument :
MSVOA_N
ClientSampled :
TP2

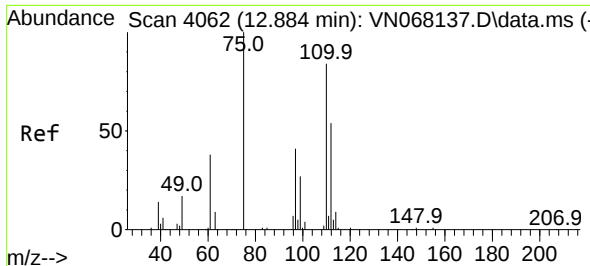
Tgt Ion:173 Resp: 2247
Ion Ratio Lower Upper
173 100
175 945.6 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion:152 Resp: 322496
Ion Ratio Lower Upper
152 100
115 54.0 36.1 108.5
150 155.2 0.0 351.8

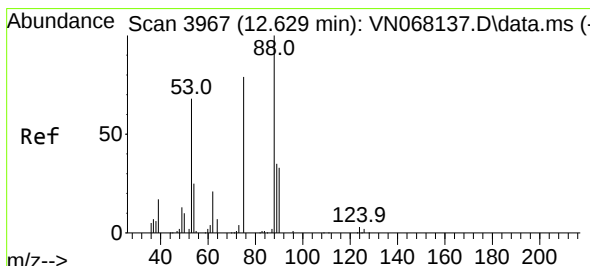
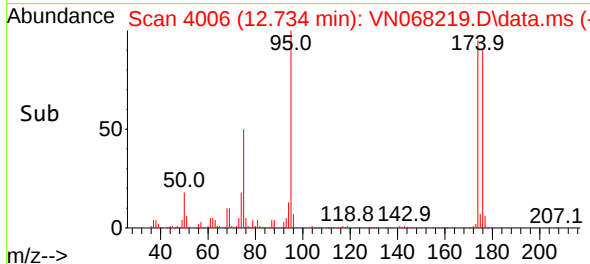
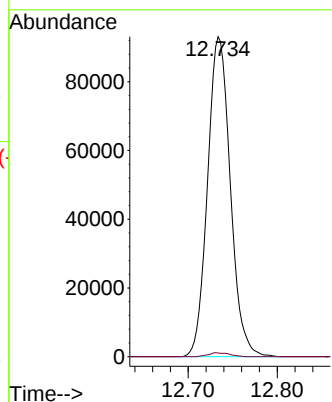
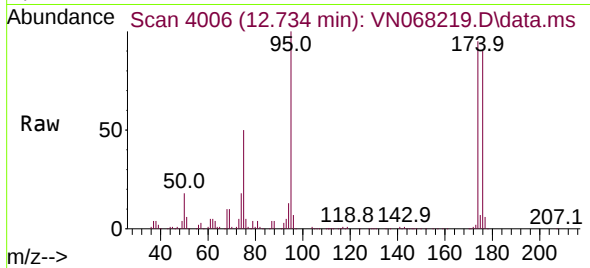




#76
1,2,3-Trichloropropane
Concen: 30.875 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

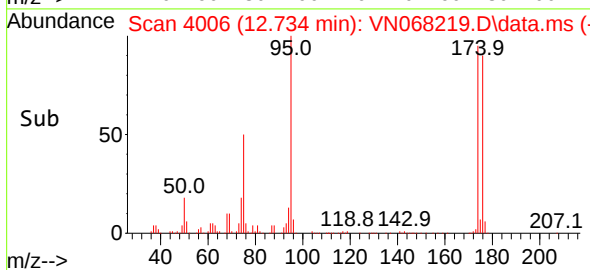
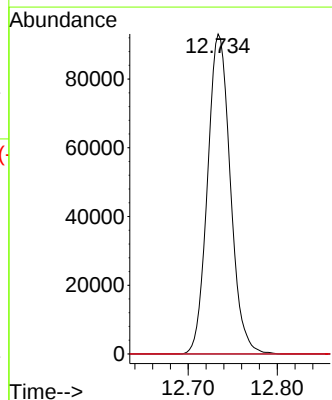
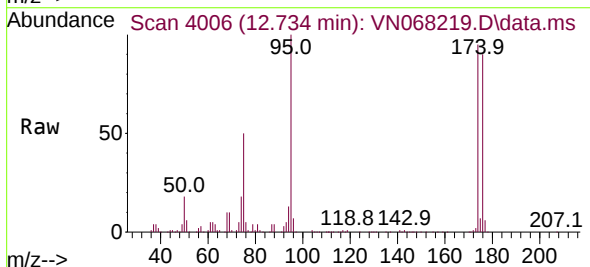
Instrument :
MSVOA_N
ClientSampled :
TP2

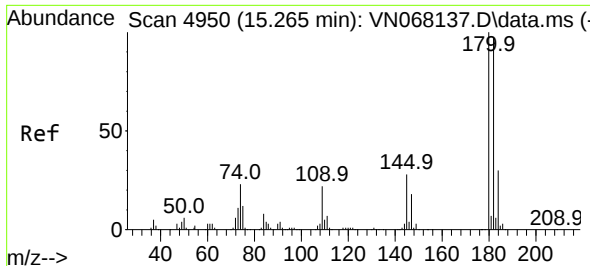
Tgt Ion: 75 Resp: 165498
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.152 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

Tgt Ion: 75 Resp: 165498
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

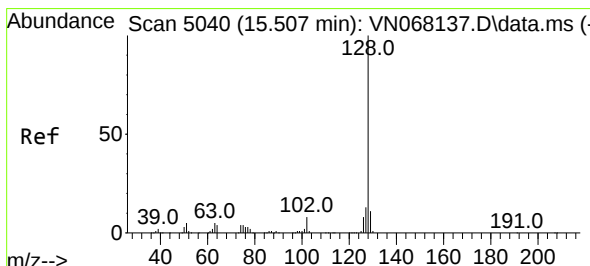
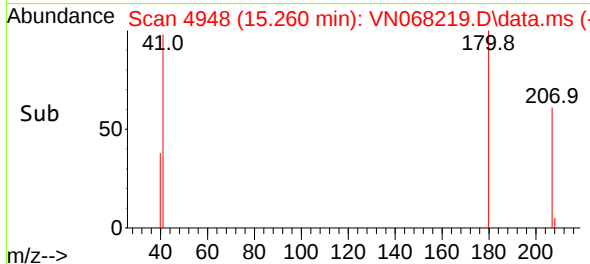
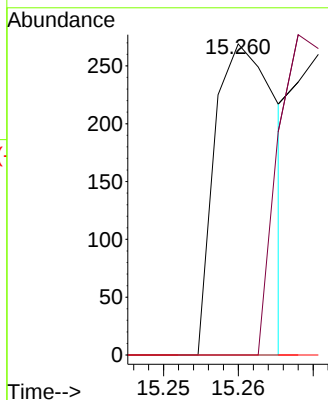
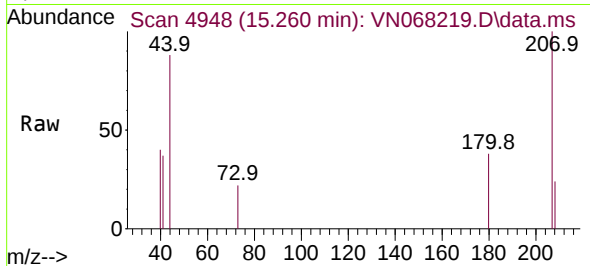




#93
1,2,4-Trichlorobenzene
Concen: 2.712 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

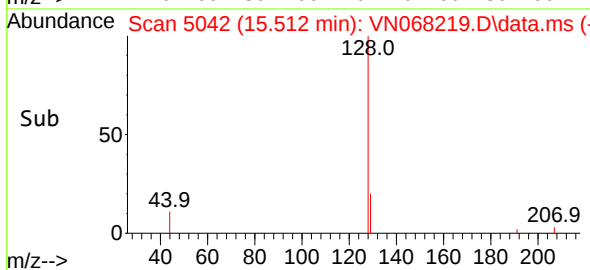
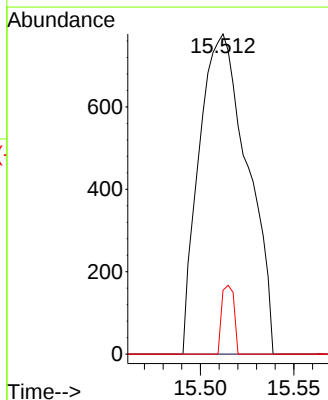
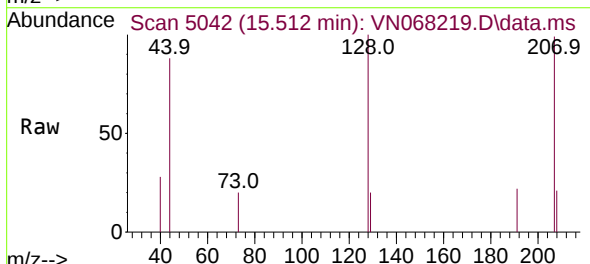
Instrument :
MSVOA_N
ClientSampled :
TP2

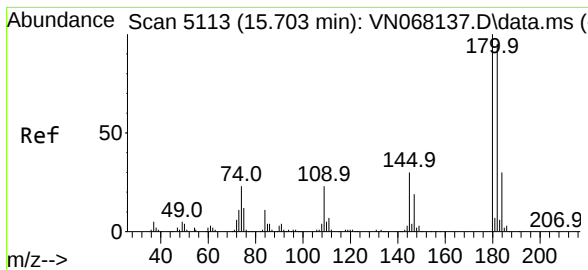
Tgt Ion:180 Resp: 154
Ion Ratio Lower Upper
180 100
182 94.2 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.447 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068219.D
Acq: 19 Aug 2021 16:14

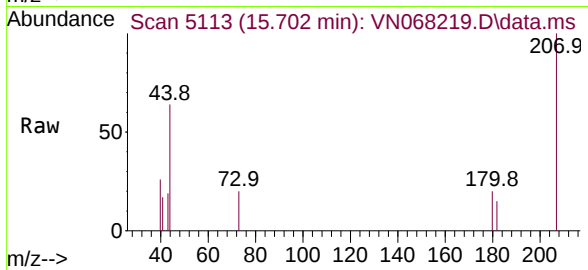
Tgt Ion:128 Resp: 1399
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 5.4 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.871 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.001 min
 Lab File: VN068219.D
 Acq: 19 Aug 2021 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TP2



Tgt Ion:	180	Resp:	214
Ion	Ratio	Lower	Upper
180	100		
182	36.9	47.8	143.3#
145	0.0	18.2	54.6#

