

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090921\
 Data File : VN068443.D
 Acq On : 9 Sep 2021 15:44
 Operator : JC/MD
 Sample : PB138981ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138981ZHE#12

Quant Time: Sep 10 04:10:10 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)

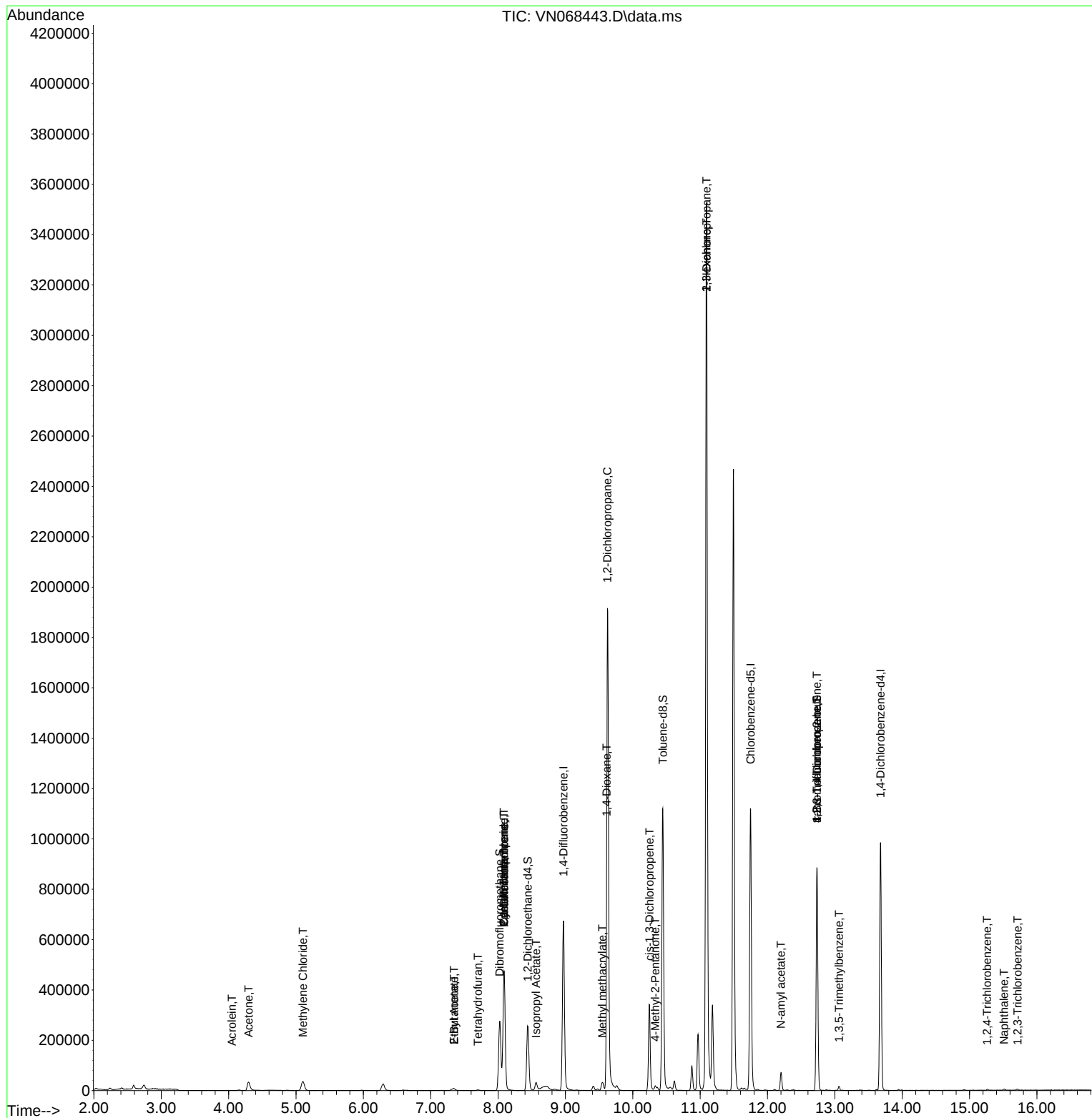
Internal Standards						
1) Pentafluorobenzene	8.091	168	399177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	650248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	737784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	293507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	218669	59.719	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 119.440%			
35) Dibromofluoromethane	8.024	113	206433	52.637	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.280%			
50) Toluene-d8	10.446	98	843190	59.188	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 118.380%			
62) 4-Bromofluorobenzene	12.734	95	298411	65.462	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 130.920%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.374	59	346	Below Cal	#	84
13) Acrolein	4.049	56	308	1.133	ug/l #	65
16) Acetone	4.296	43	64794	53.474	ug/l	94
18) Methyl Acetate	4.878	43	2969	Below Cal	#	50
20) Methylene Chloride	5.103	84	31912	8.187	ug/l	98
25) 2-Butanone	7.348	43	13508	7.592	ug/l	100
29) Tetrahydrofuran	7.702	42	2179	1.876	ug/l #	70
31) Cyclohexane	8.088	56	6711	1.209	ug/l #	44
36) 1,1-Dichloropropene	8.088	75	25466	4.697	ug/l #	44
37) Ethyl Acetate	7.348	43	13508	3.276	ug/l #	66
38) Carbon Tetrachloride	8.088	117	38570	5.939	ug/l #	18
43) Isopropyl Acetate	8.563	43	37416	5.143	ug/l #	79
45) 1,2-Dichloropropane	9.623	63	2504	0.654	ug/l #	44
48) Methyl methacrylate	9.547	41	7732	2.545	ug/l #	6
49) 1,4-Dioxane	9.612	88	134	1.923	ug/l #	30
51) 4-Methyl-2-Pentanone	10.333	43	8981	2.162	ug/l	93
54) cis-1,3-Dichloropropene	10.247	75	67455	10.981	ug/l #	68
57) 1,3-Dichloropropane	11.095	76	42656	6.551	ug/l #	42
59) 2-Hexanone	11.095	43	519236	186.678	ug/l #	47
74) N-amyl acetate	12.197	43	20860	4.480	ug/l #	47
76) 1,2,3-Trichloropropane	12.734	75	149974	32.370	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.063	105	9014	0.531	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.734	75	149974	113.241	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.263	180	1440	0.326	ug/l	91
95) Naphthalene	15.512	128	5067	3.902	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.713	180	1997	0.474	ug/l	88

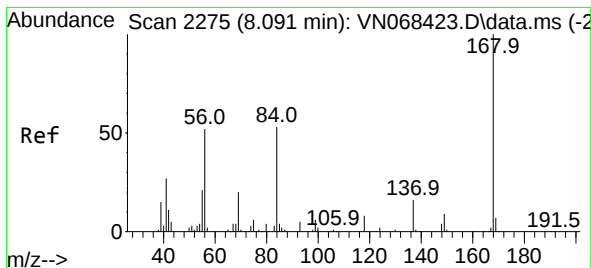
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068443.D

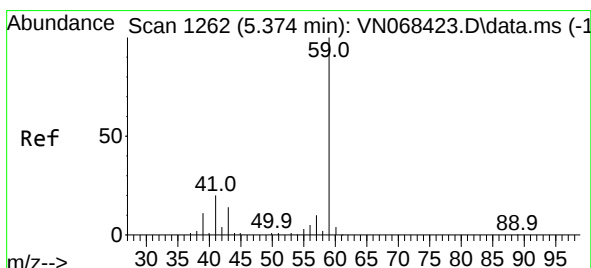
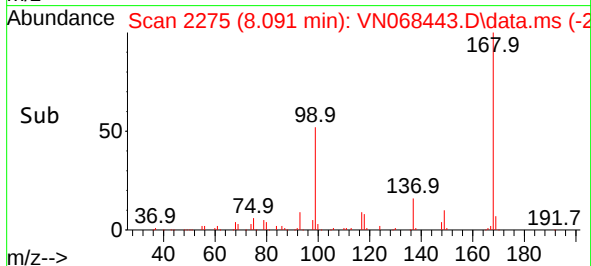
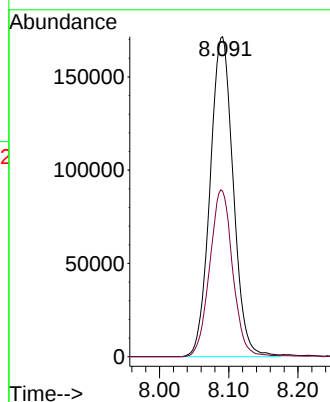
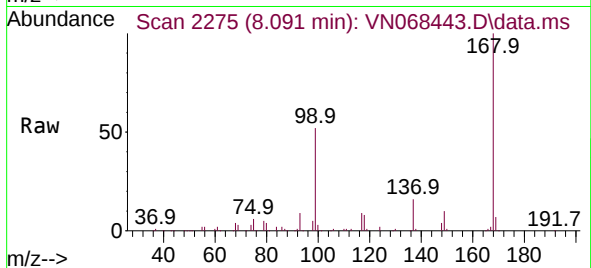
Acq: 9 Sep 2021 15:44

Tgt Ion:168 Resp: 399177

Ion Ratio Lower Upper

168 100

99 51.8 38.2 57.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.374 min Scan# 1262

Delta R.T. 0.000 min

Lab File: VN068443.D

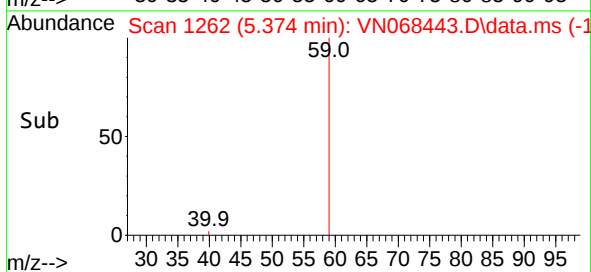
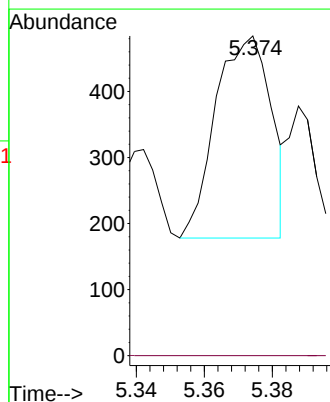
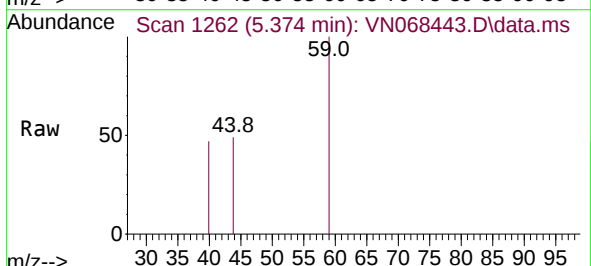
Acq: 9 Sep 2021 15:44

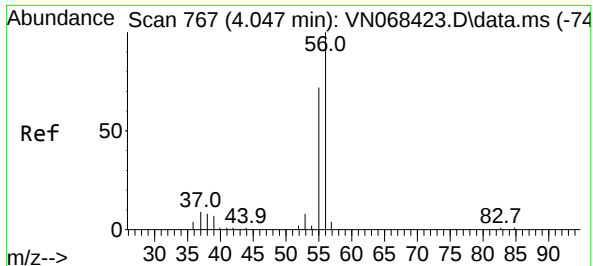
Tgt Ion: 59 Resp: 346

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#

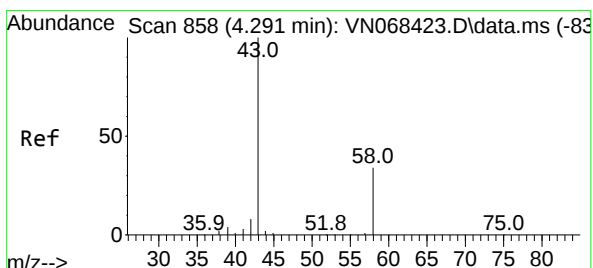
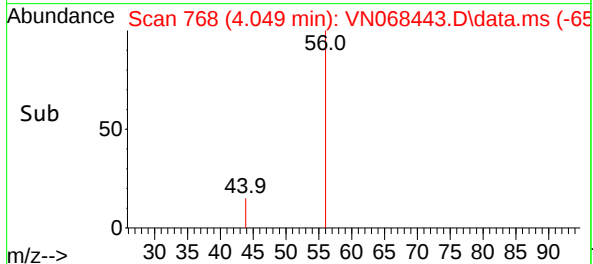
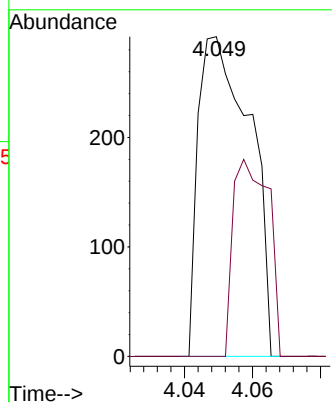
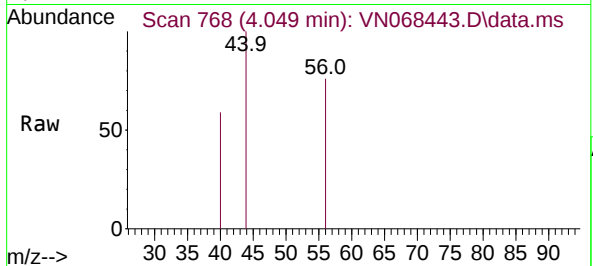




#13
Acrolein
Concen: 1.133 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.003 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

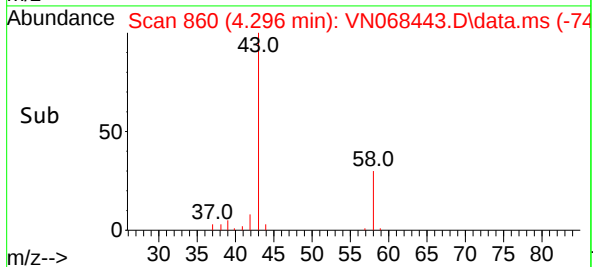
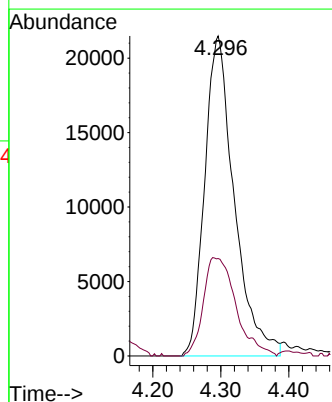
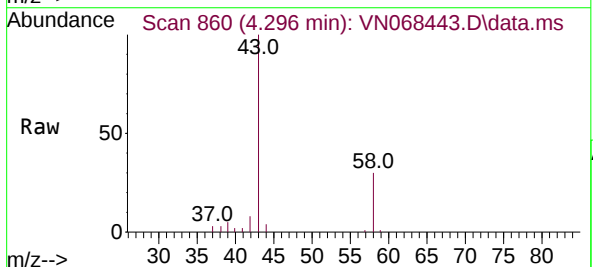
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

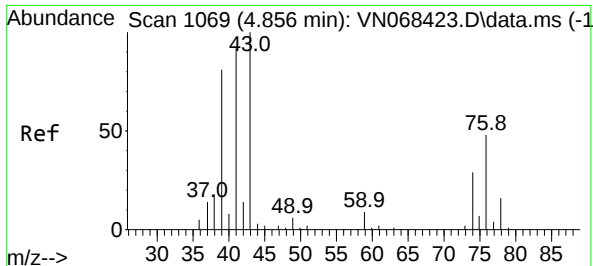
Tgt Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
55 42.2 56.8 85.2#



#16
Acetone
Concen: 53.474 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.006 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 43 Resp: 64794
Ion Ratio Lower Upper
43 100
58 30.5 27.0 40.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.878 min Scan# 1077

Delta R.T. 0.022 min

Lab File: VN068443.D

Acq: 9 Sep 2021 15:44

Tgt Ion: 43 Resp: 2969

Ion Ratio Lower Upper

43 100

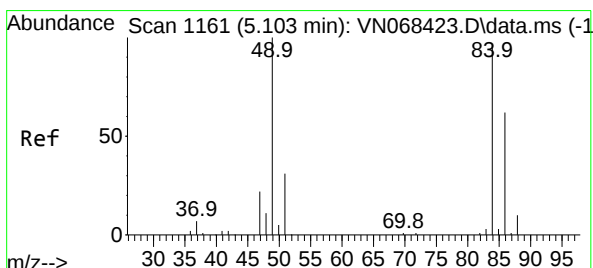
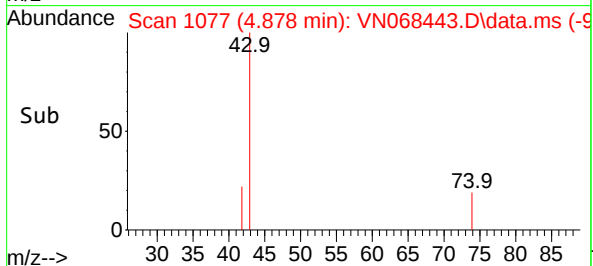
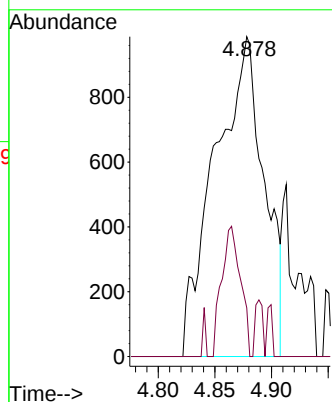
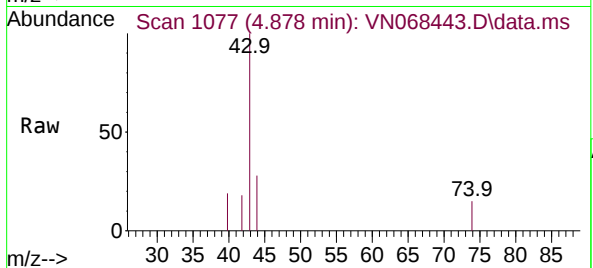
74 2.7 23.5 35.3#

Instrument :

MSVOA_N

ClientSampleId :

PB138981ZHE#12



#20

Methylene Chloride

Concen: 8.187 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.000 min

Lab File: VN068443.D

Acq: 9 Sep 2021 15:44

Tgt Ion: 84 Resp: 31912

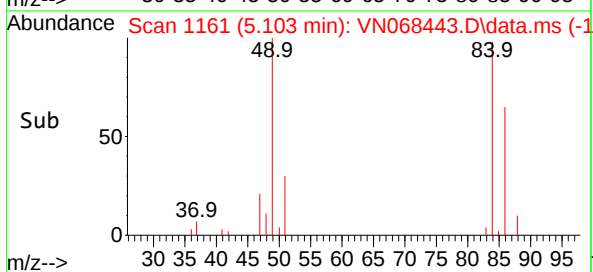
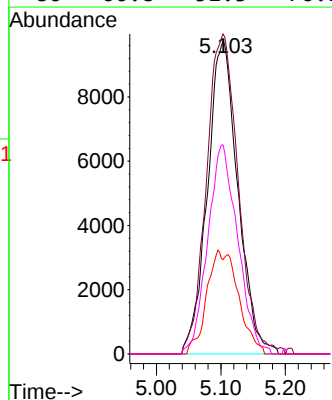
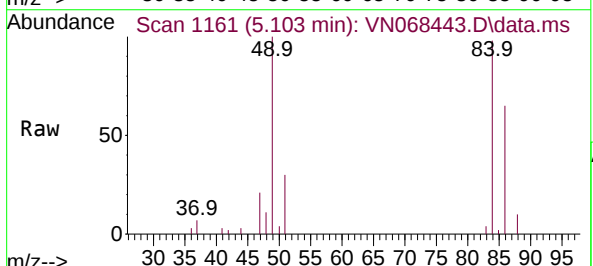
Ion Ratio Lower Upper

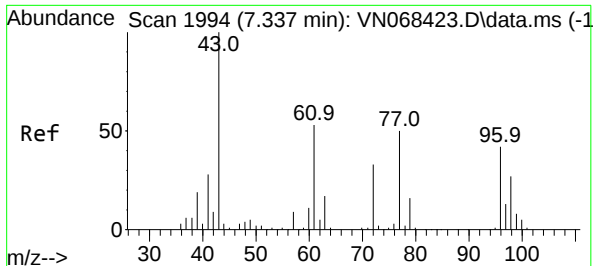
84 100

49 102.3 83.0 124.6

51 30.2 25.4 38.0

86 66.8 51.3 76.9

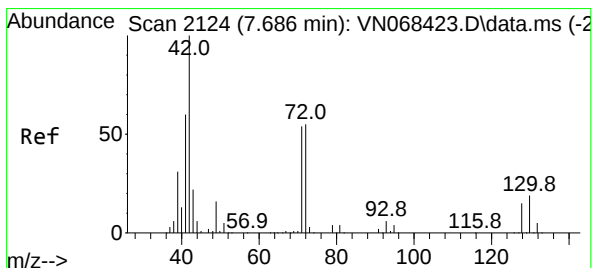
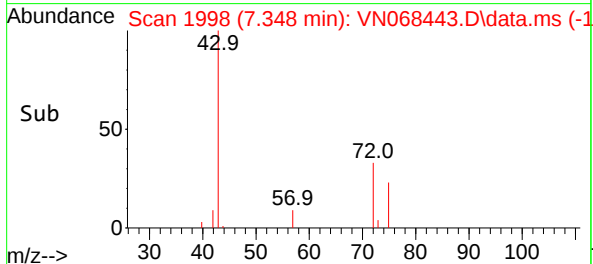
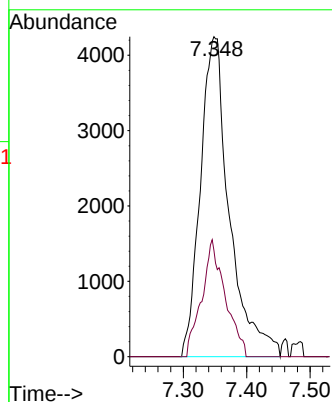
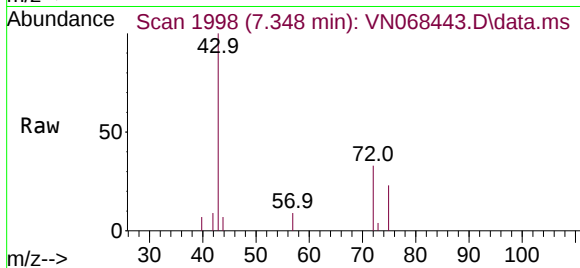




#25
2-Butanone
Concen: 7.592 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

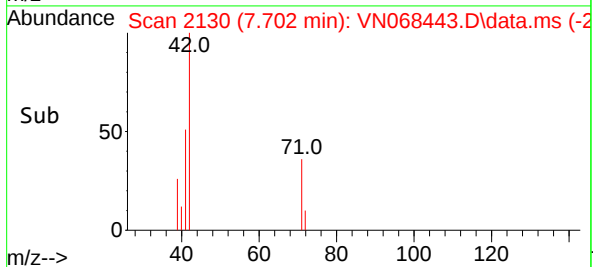
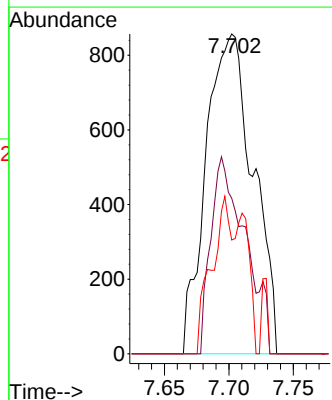
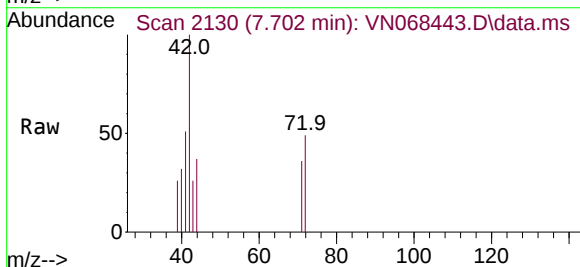
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

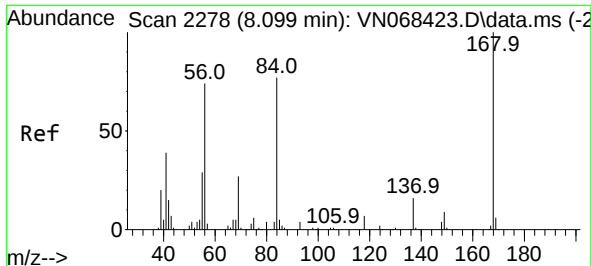
Tgt Ion: 43 Resp: 13508
Ion Ratio Lower Upper
43 100
72 33.2 26.7 40.1



#29
Tetrahydrofuran
Concen: 1.876 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.016 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 42 Resp: 2179
Ion Ratio Lower Upper
42 100
72 45.0 44.4 66.6
71 20.4 42.3 63.5#

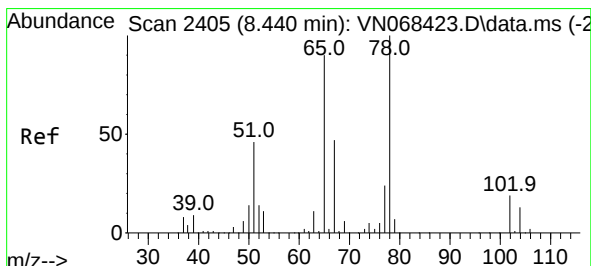
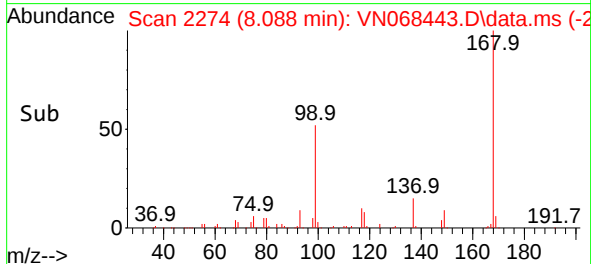
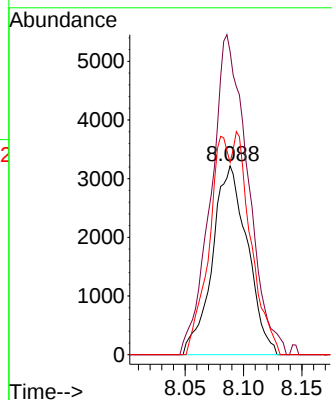
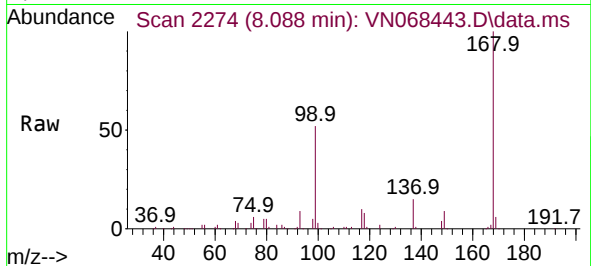




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

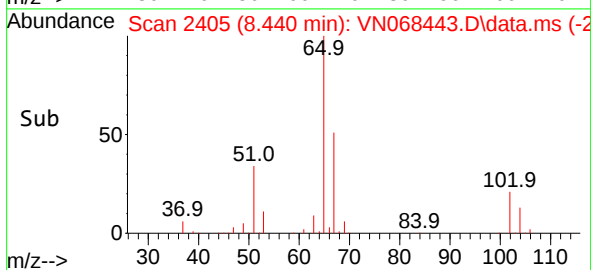
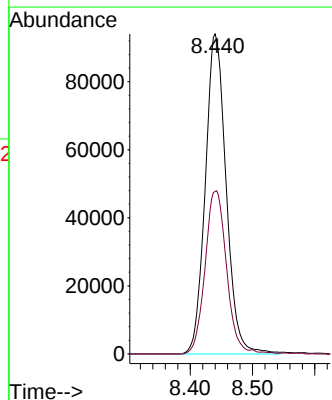
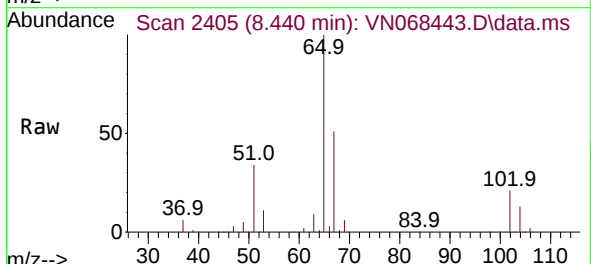
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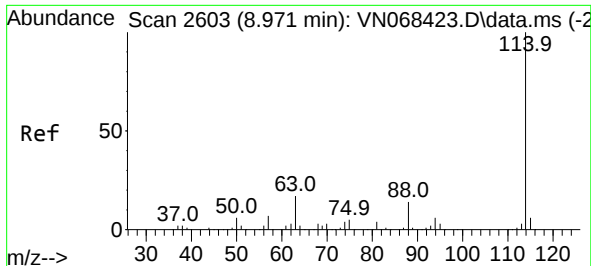
Tgt Ion: 56 Resp: 6711
Ion Ratio Lower Upper
56 100
69 160.5 29.4 44.0#
84 101.9 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 59.719 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 65 Resp: 218669
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.0

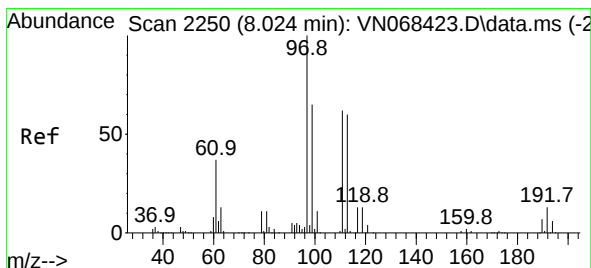
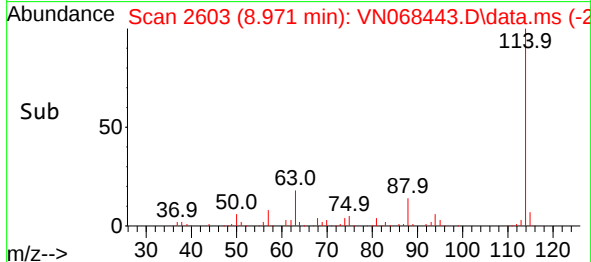
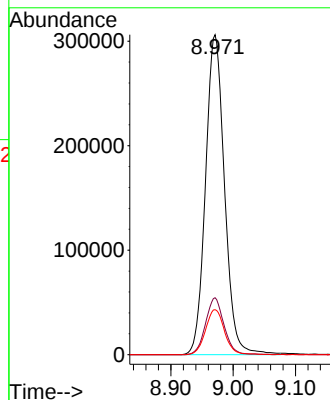
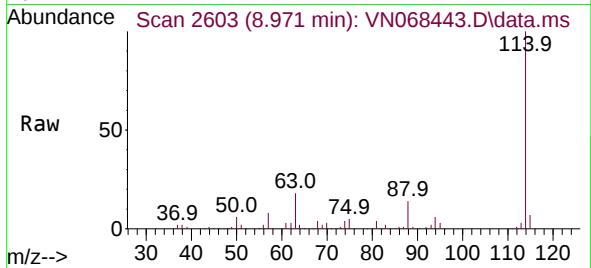




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

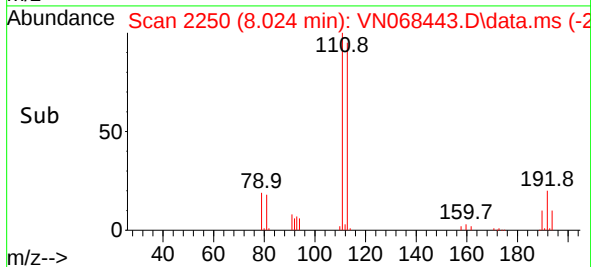
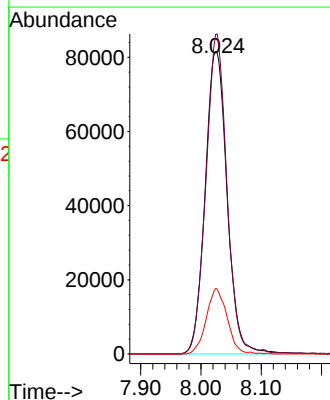
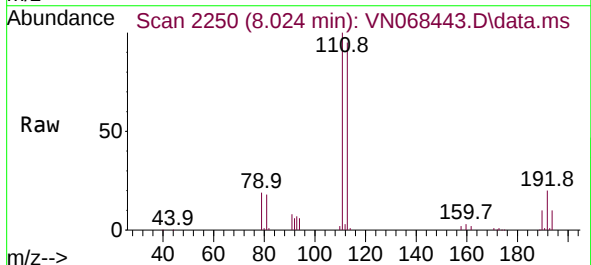
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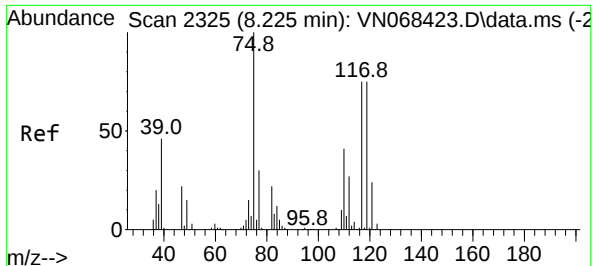
Tgt Ion:114 Resp: 650248
Ion Ratio Lower Upper
114 100
63 17.8 0.0 33.2
88 14.1 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.637 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion:113 Resp: 206433
Ion Ratio Lower Upper
113 100
111 100.7 81.1 121.7
192 20.4 17.7 26.5



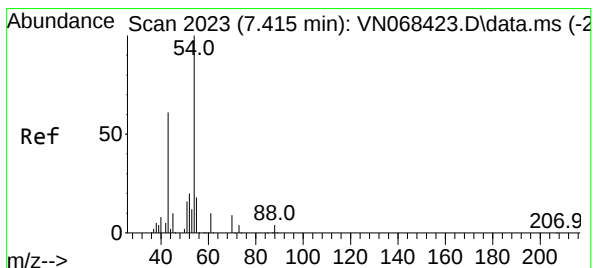
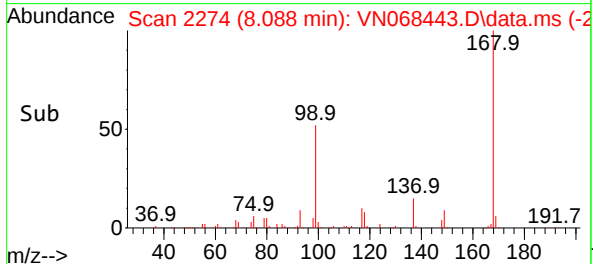
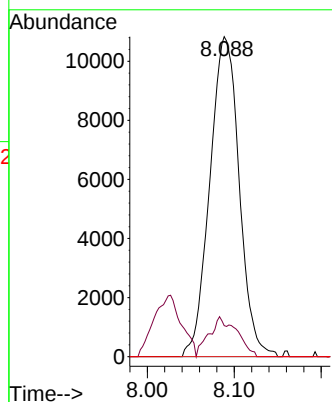
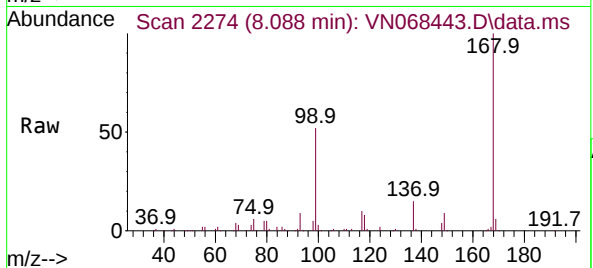


#36

1,1-Dichloropropene
Concen: 4.697 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Instrument :
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ClientSampleId :
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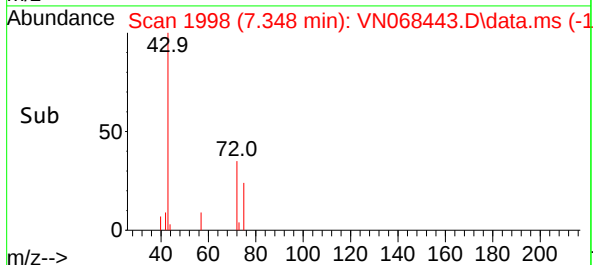
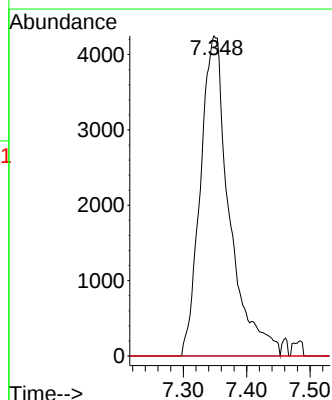
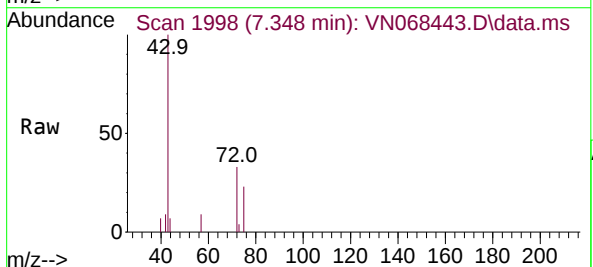
Tgt Ion: 75 Resp: 25466
Ion Ratio Lower Upper
75 100
110 7.0 20.8 62.5#
77 0.0 25.0 37.6#

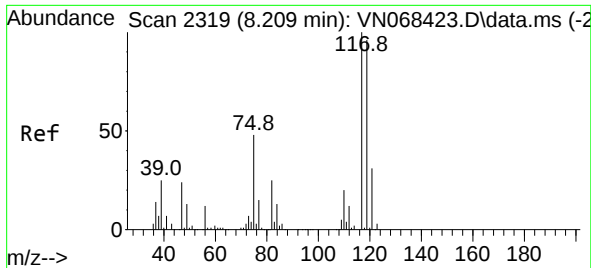


#37

Ethyl Acetate
Concen: 3.276 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 43 Resp: 13508
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.6 14.4#

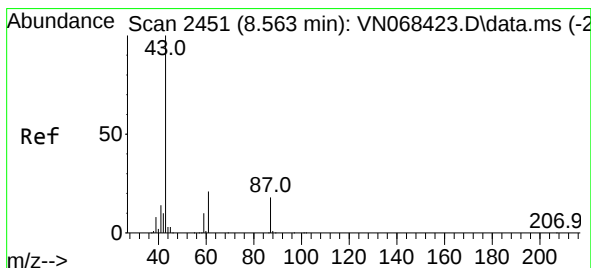
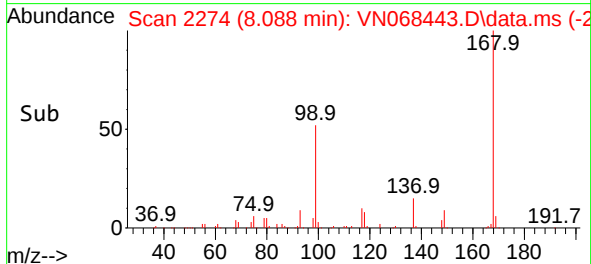
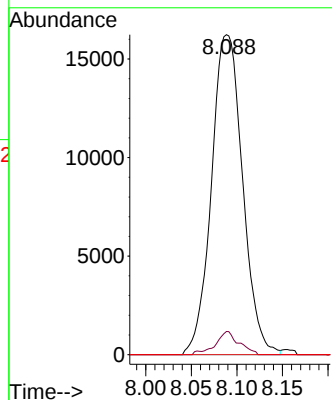
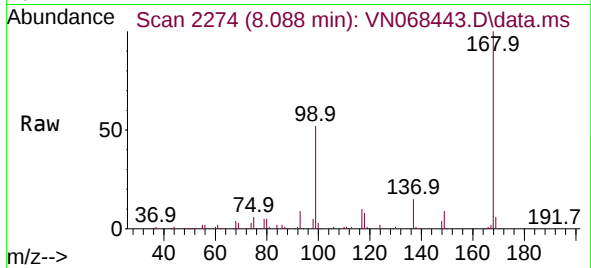




#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

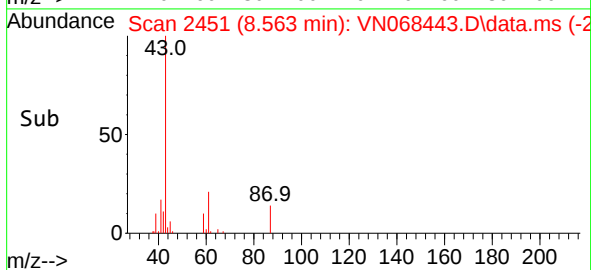
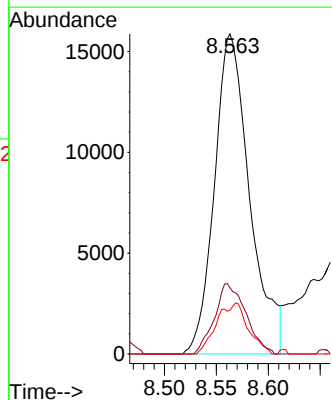
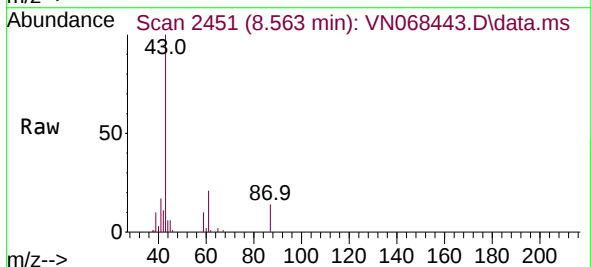
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

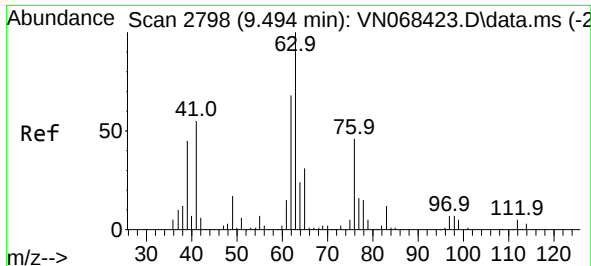
Tgt Ion:117 Resp: 38570
Ion Ratio Lower Upper
117 100
119 7.2 76.6 114.8#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 5.143 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 43 Resp: 37416
Ion Ratio Lower Upper
43 100
61 19.7 23.3 34.9#
87 5.9 13.8 20.6#

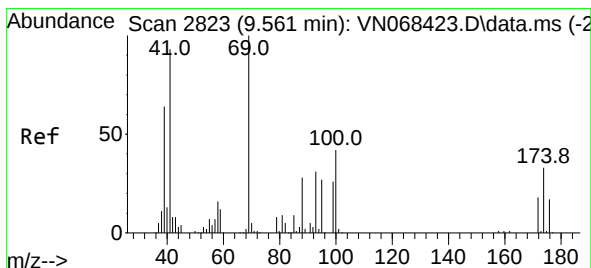
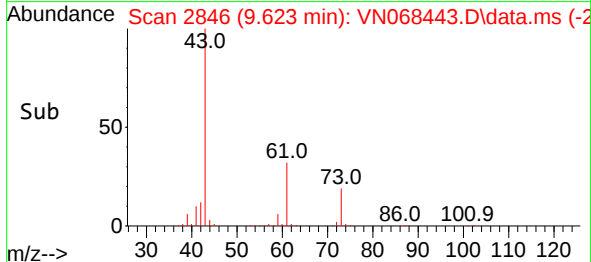
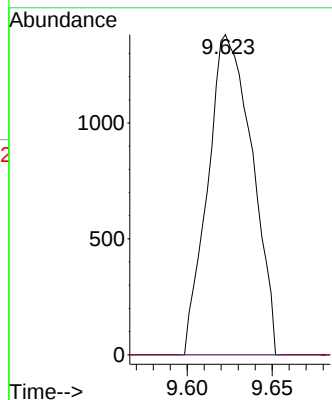
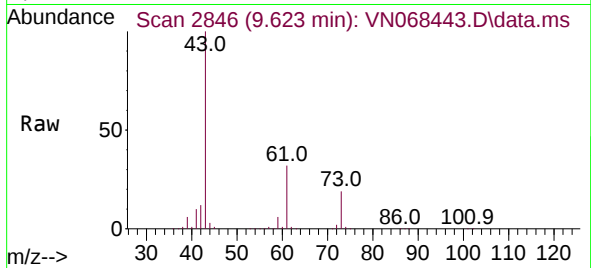




#45
1,2-Dichloropropane
Concen: 0.654 ug/l
RT: 9.623 min Scan# 2846
Delta R.T. 0.129 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

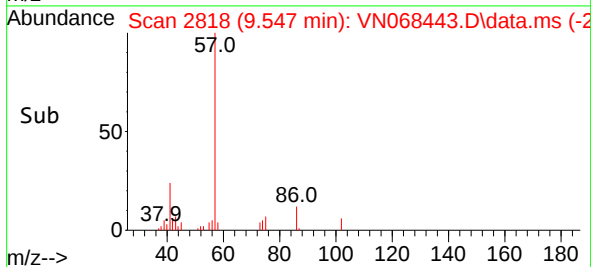
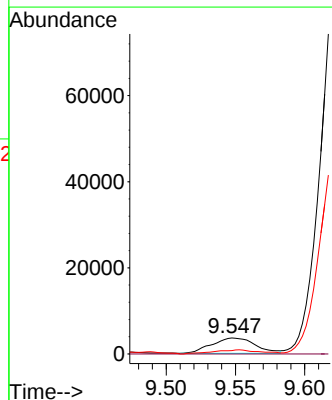
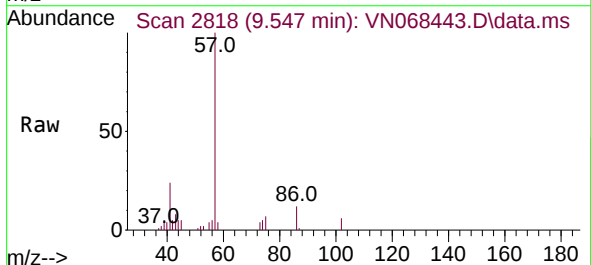
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

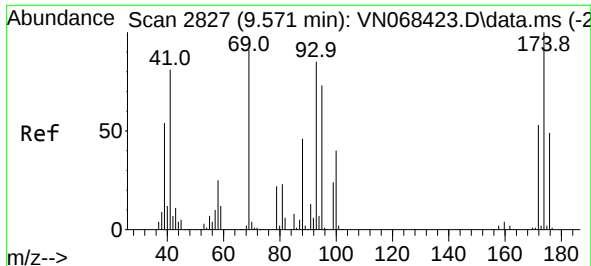
Tgt Ion: 63 Resp: 2504
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 2.545 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 41 Resp: 7732
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 0.0 50.3 75.5#

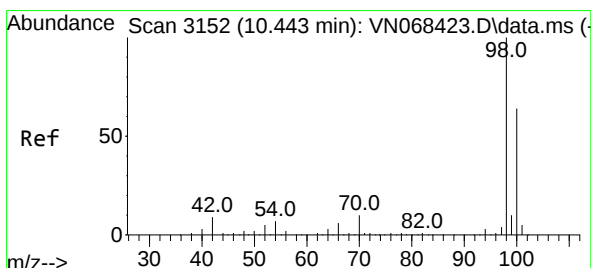
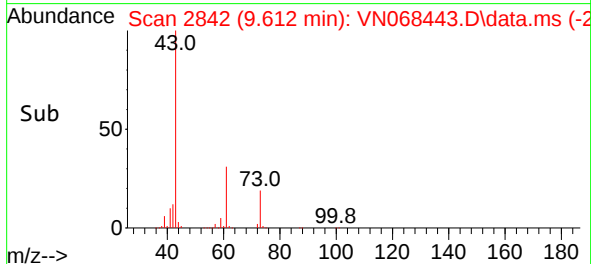
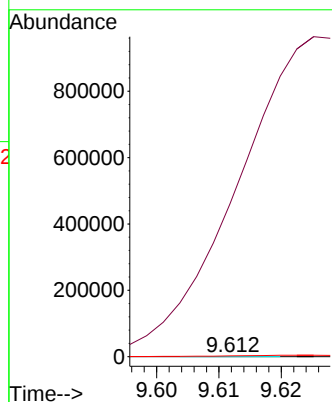
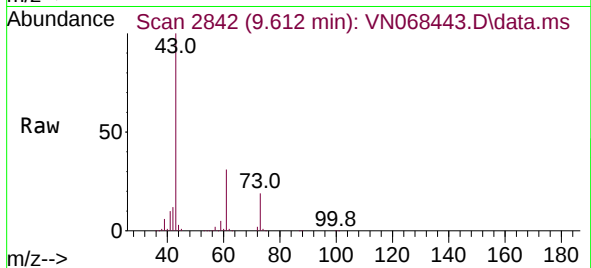




#49
1,4-Dioxane
Concen: 1.923 ug/l
RT: 9.612 min Scan# 2842
Delta R.T. 0.040 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

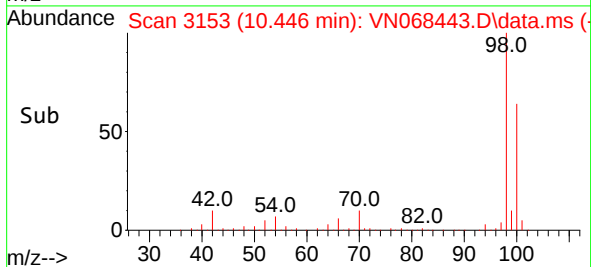
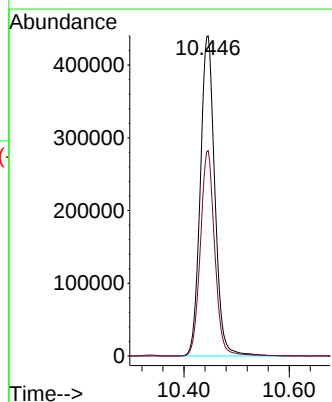
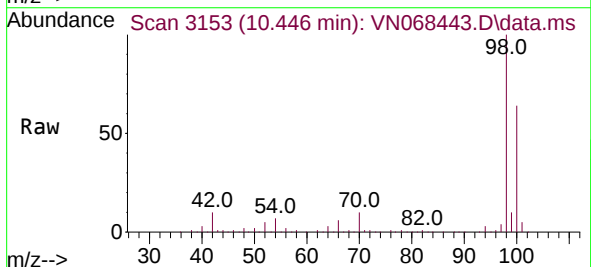
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

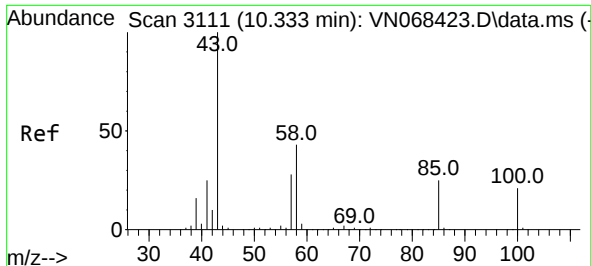
Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 0.0 18.9 28.3#
58 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 59.188 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 98 Resp: 843190
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.6

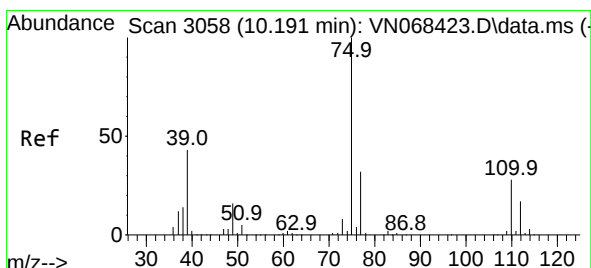
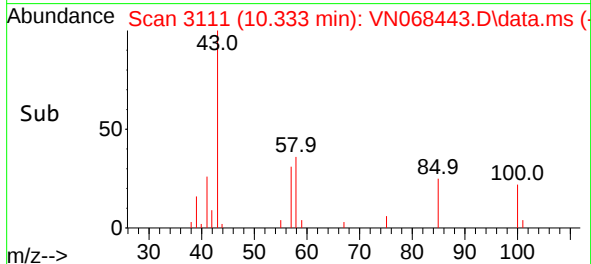
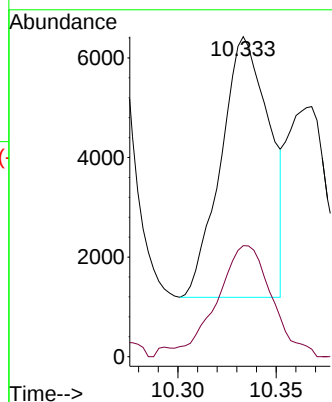
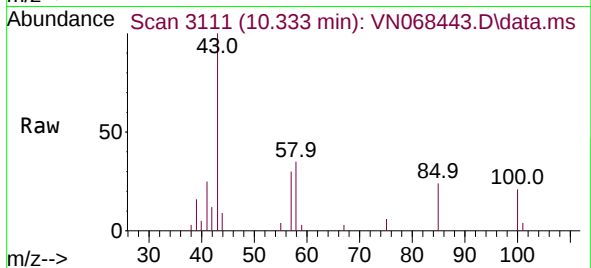




#51
4-Methyl-2-Pentanone
Concen: 2.162 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

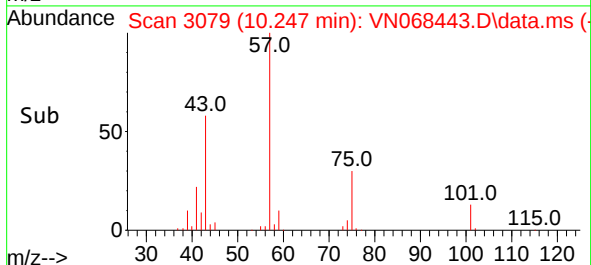
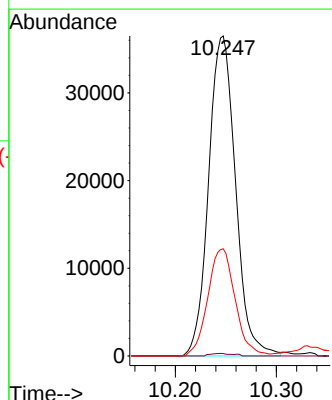
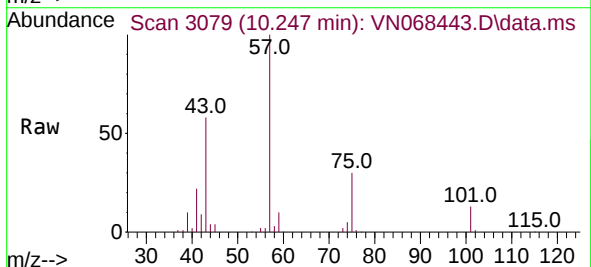
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

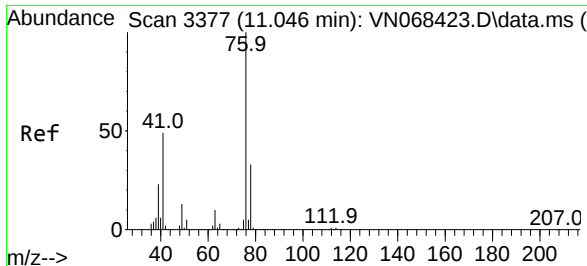
Tgt Ion: 43 Resp: 8981
Ion Ratio Lower Upper
43 100
58 47.7 34.3 51.5



#54
cis-1,3-Dichloropropene
Concen: 10.981 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 75 Resp: 67455
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 33.5 34.6 52.0#

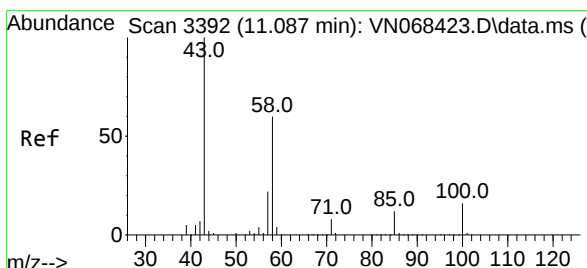
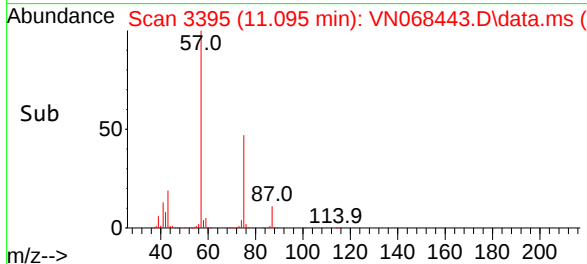
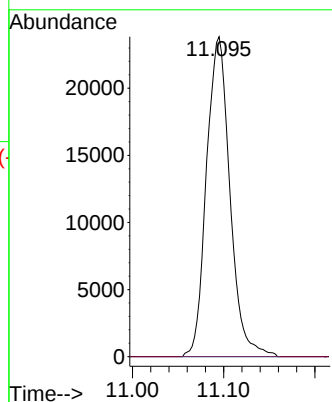
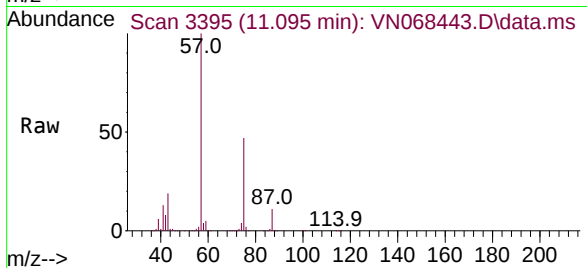




#57
1,3-Dichloropropane
Concen: 6.551 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

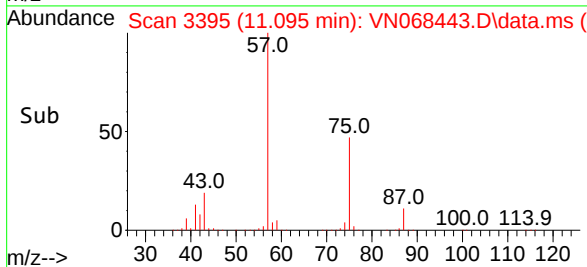
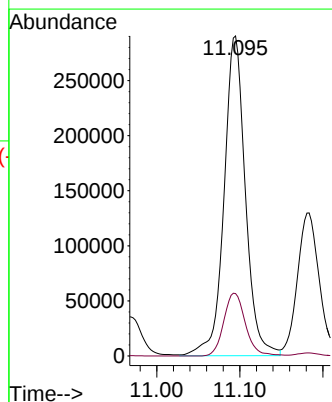
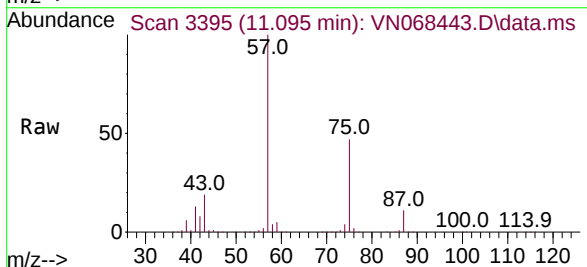
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

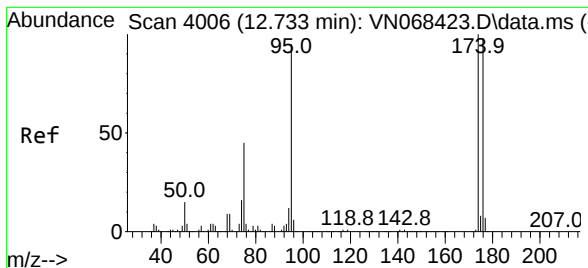
Tgt Ion: 76 Resp: 42656
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 186.678 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 43 Resp: 519236
Ion Ratio Lower Upper
43 100
58 20.0 30.0 90.1#

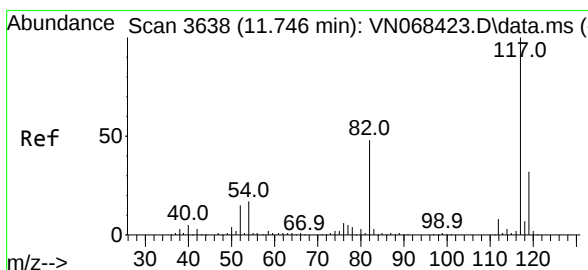
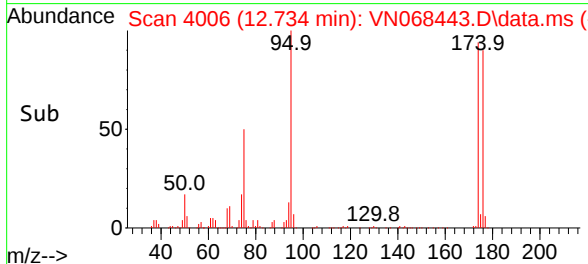
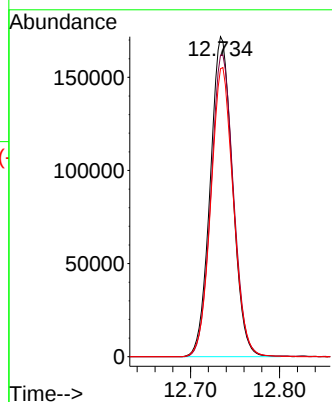
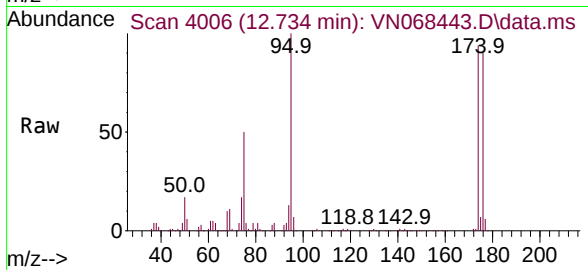




#62
4-Bromofluorobenzene
Concen: 65.462 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

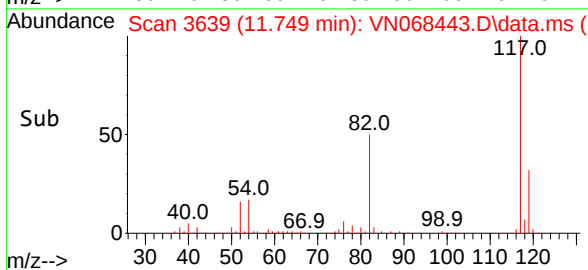
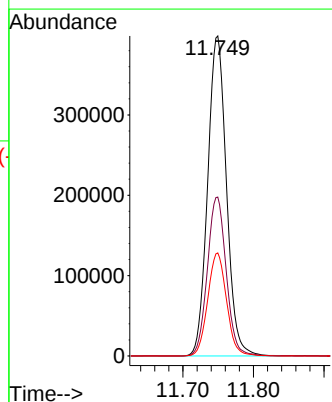
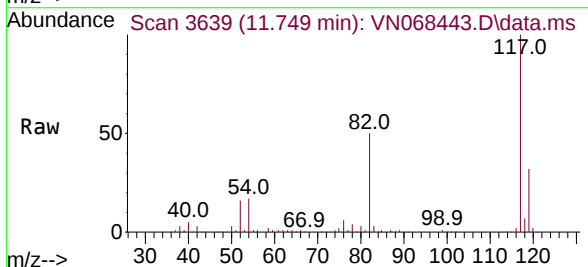
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

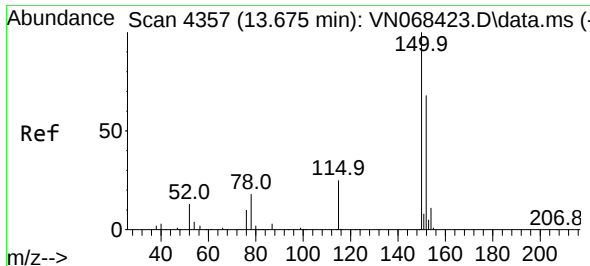
Tgt Ion: 95 Resp: 298411
Ion Ratio Lower Upper
95 100
174 95.7 0.0 214.0
176 91.2 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

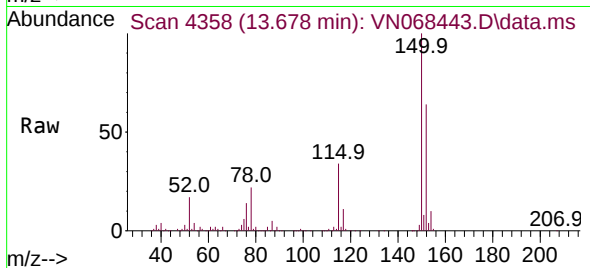
Tgt Ion: 117 Resp: 737784
Ion Ratio Lower Upper
117 100
82 49.7 38.7 58.1
119 32.2 25.5 38.3



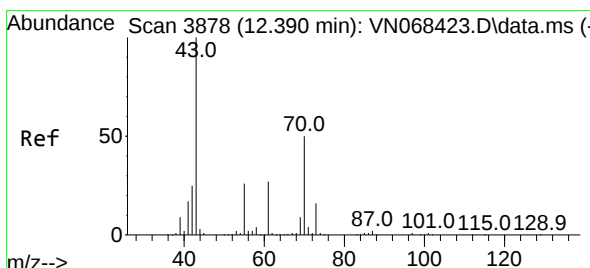
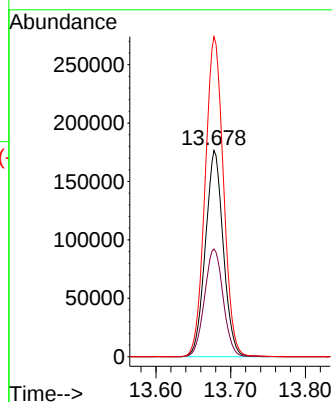
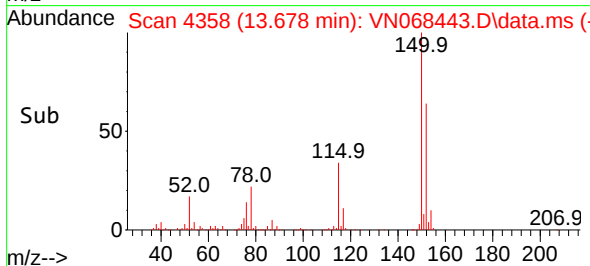


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

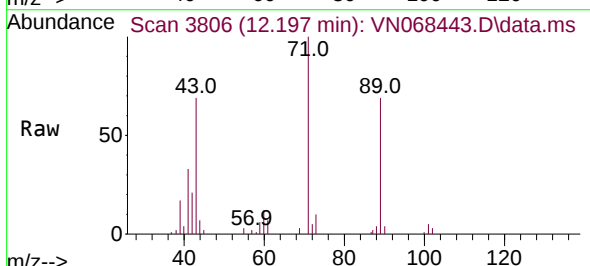
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12



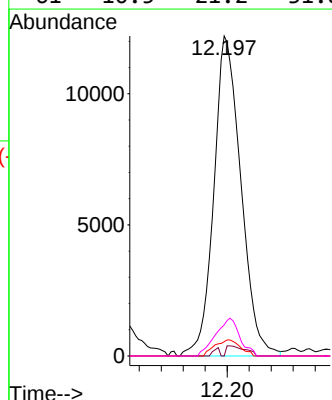
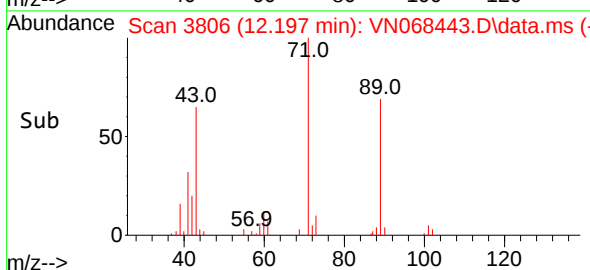
Tgt Ion:152 Resp: 293507
Ion Ratio Lower Upper
152 100
115 54.5 25.6 76.6
150 159.0 0.0 346.8

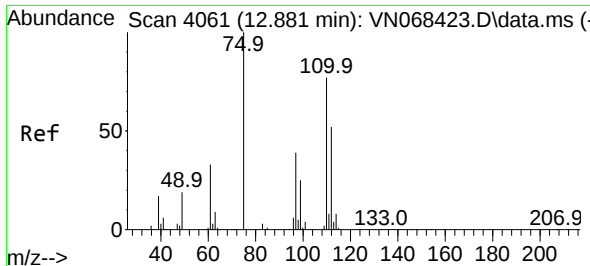


#74
N-ethyl acetate
Concen: 4.480 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44



Tgt Ion: 43 Resp: 20860
Ion Ratio Lower Upper
43 100
70 2.2 40.0 60.0#
55 4.7 21.1 31.7#
61 10.5 21.2 31.8#

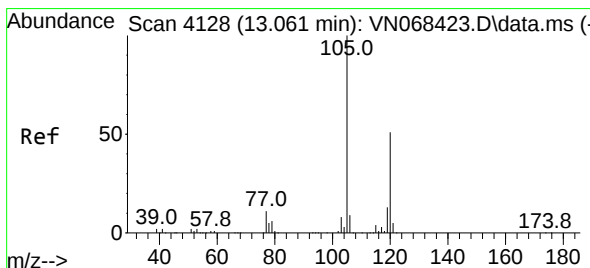
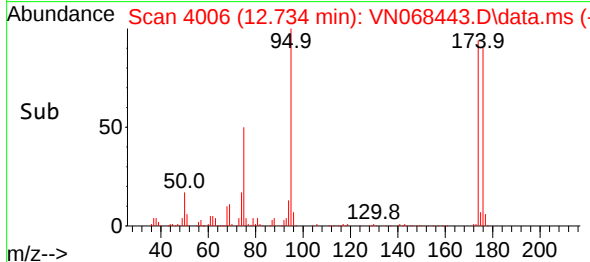
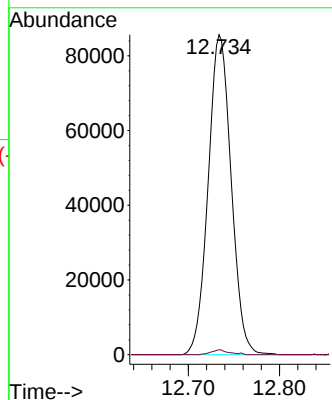
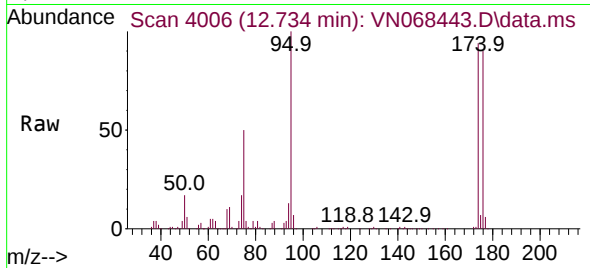




#76
1,2,3-Trichloropropane
Concen: 32.370 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

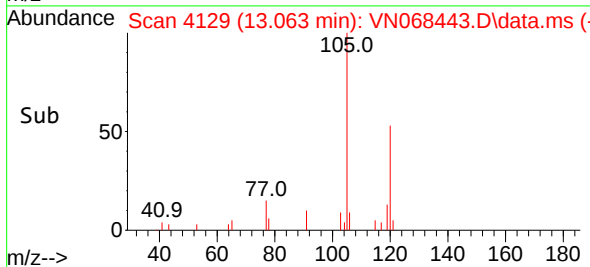
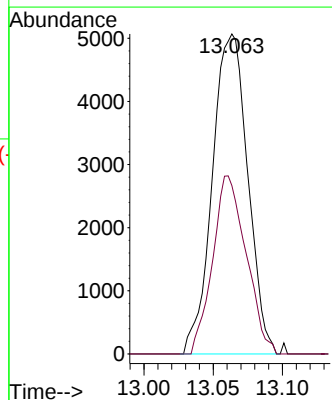
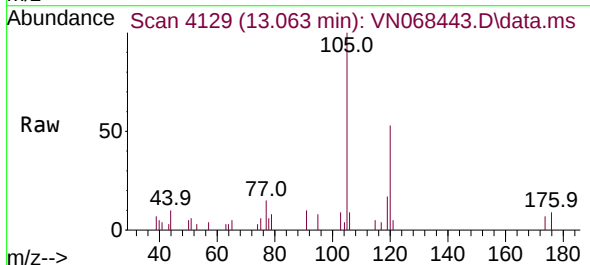
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

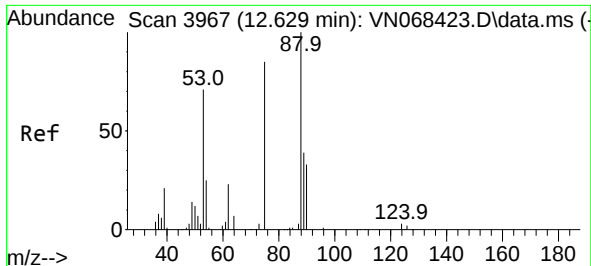
Tgt Ion: 75 Resp: 149974
Ion Ratio Lower Upper
75 100
77 1.2 100.9 302.7#



#80
1,3,5-Trimethylbenzene
Concen: 0.531 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.003 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion: 105 Resp: 9014
Ion Ratio Lower Upper
105 100
120 52.7 25.7 77.1

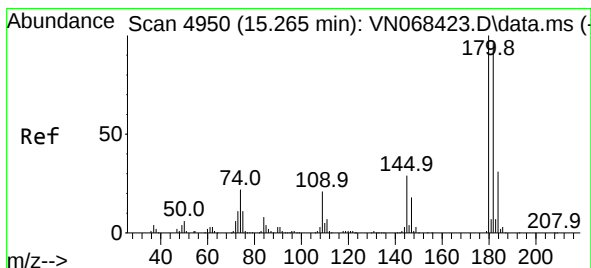
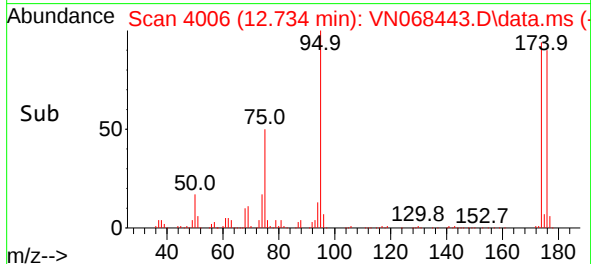
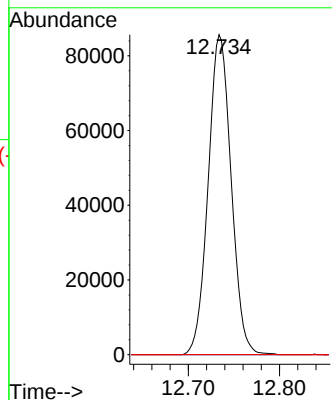
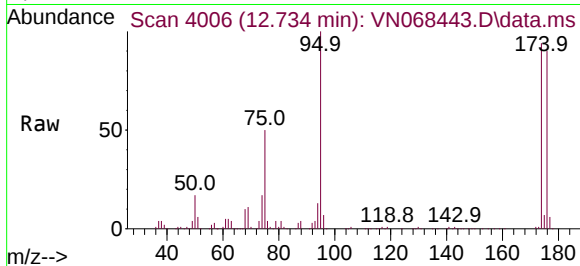




#81
trans-1,4-Dichloro-2-butene
Concen: 113.241 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

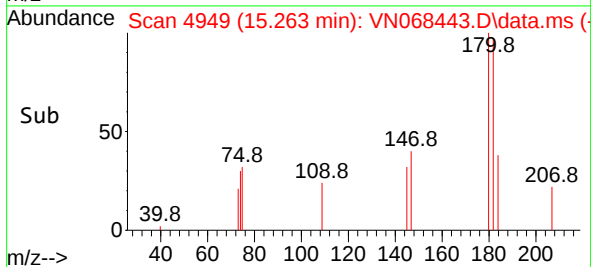
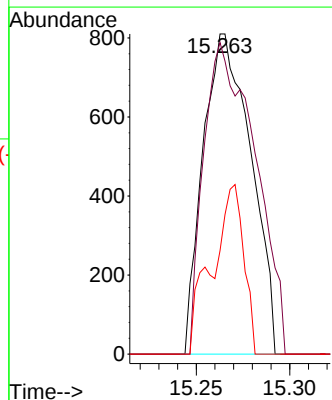
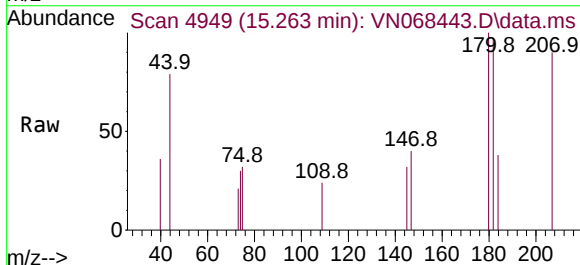
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

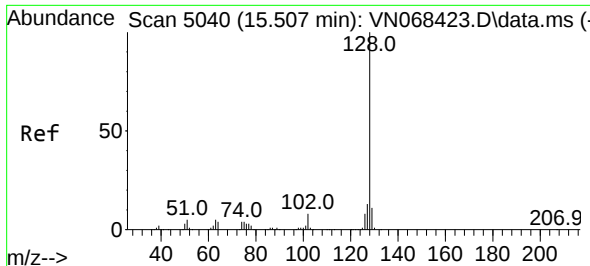
Tgt Ion: 75 Resp: 149974
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.326 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion:180 Resp: 1440
Ion Ratio Lower Upper
180 100
182 104.6 47.5 142.6
145 24.2 14.1 42.4

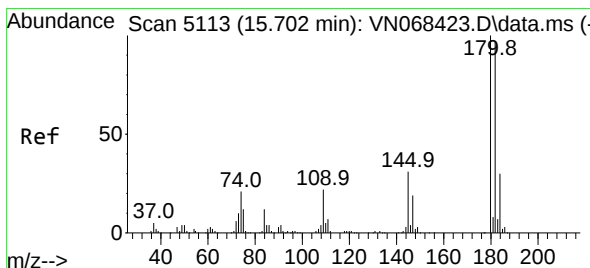
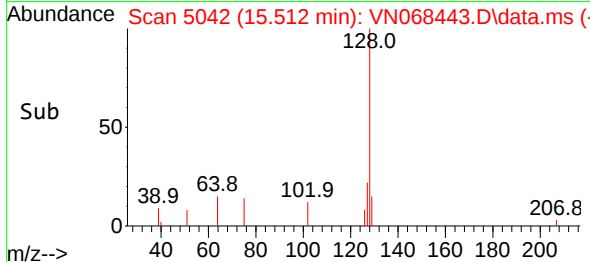
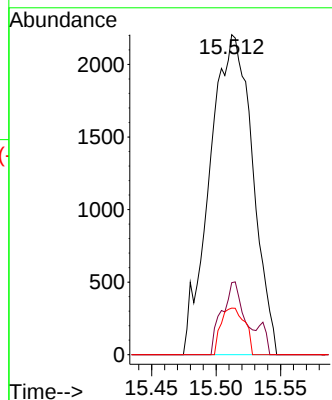
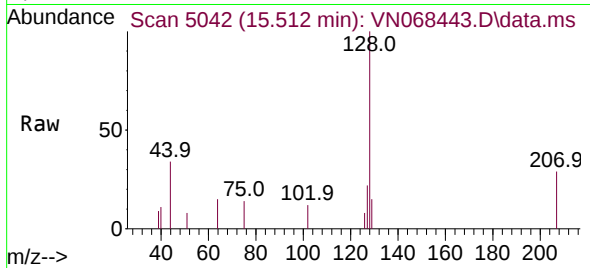




#95
Naphthalene
Concen: 3.902 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#12

Tgt Ion:128	Resp:	5067
Ion Ratio	Lower	Upper
128	100	
127	12.3	10.6 15.8
129	8.1	8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.474 ug/l
RT: 15.713 min Scan# 5117
Delta R.T. 0.011 min
Lab File: VN068443.D
Acq: 9 Sep 2021 15:44

Tgt Ion:180	Resp:	1997
Ion Ratio	Lower	Upper
180	100	
182	87.2	47.9 143.6
145	17.1	15.2 45.5

