

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067693.D
 Acq On : 9 Jul 2021 18:17
 Operator : JC/MD
 Sample : M2999-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-N43502

Quant Time: Jul 10 05:26:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

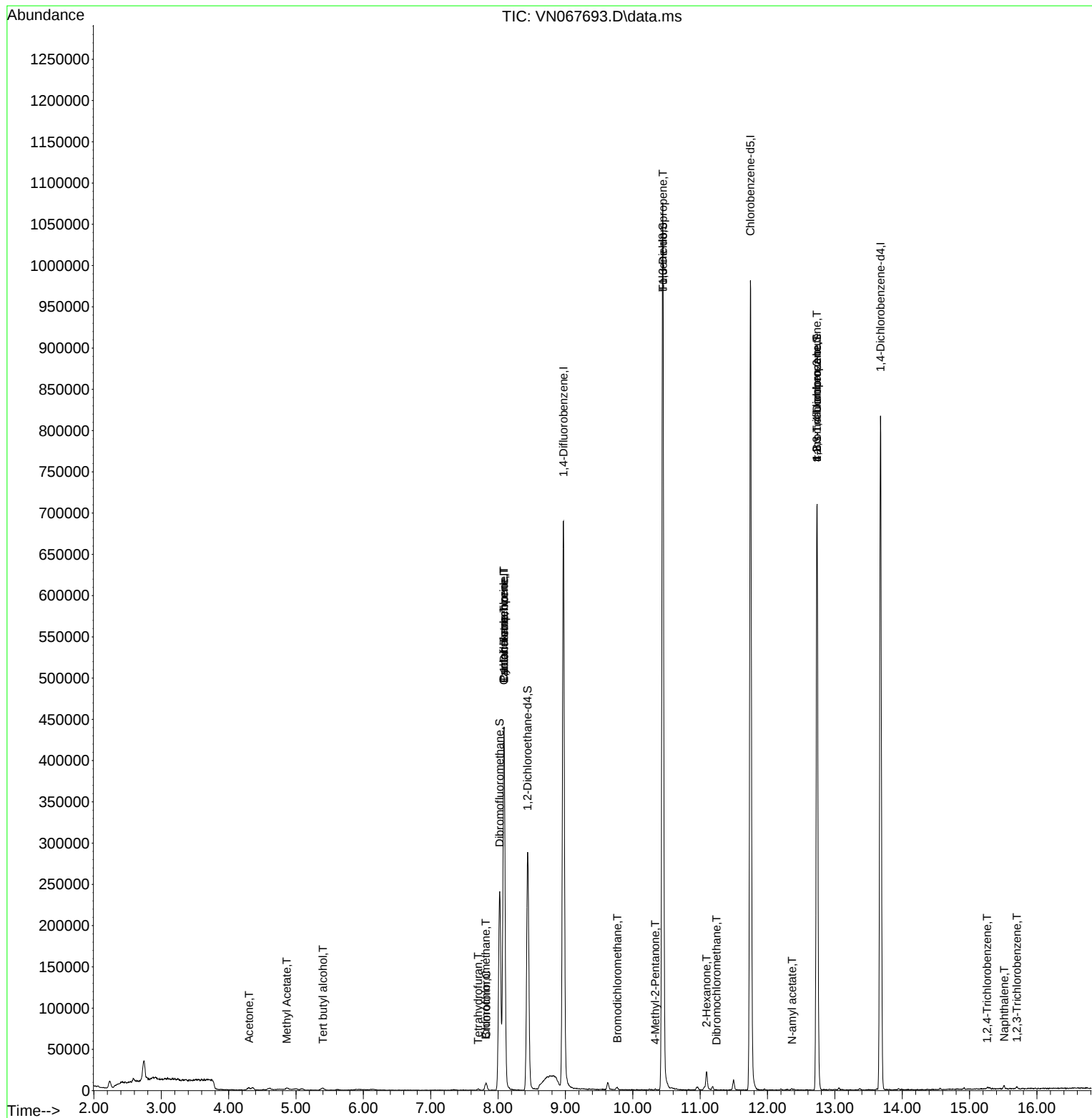
Internal Standards						
1) Pentafluorobenzene	8.088	168	313902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	587080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	543922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	205483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	245177	51.681	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.360%			
35) Dibromofluoromethane	8.024	113	175755	49.550	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.100%			
50) Toluene-d8	10.446	98	749470	50.480	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.960%			
62) 4-Bromofluorobenzene	12.733	95	241232	45.995	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.000%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.813	94	96	Below Cal	#	4
6) Chloroethane	3.038	64	209	Below Cal	#	44
11) Tert butyl alcohol	5.398	59	3927	5.760	ug/l #	83
13) Acrolein	4.041	56	273	Below Cal	#	14
16) Acetone	4.304	43	5056	3.387	ug/l	96
18) Methyl Acetate	4.862	43	1997	0.476	ug/l #	91
20) Methylene Chloride	5.079	84	424	Below Cal	#	87
28) Bromochloromethane	7.817	49	658	0.208	ug/l #	22
29) Tetrahydrofuran	7.705	42	1045	0.641	ug/l #	70
30) Chloroform	7.823	83	8348	1.145	ug/l	87
31) Cyclohexane	8.088	56	9090	1.367	ug/l #	24
36) 1,1-Dichloropropene	8.088	75	29628	5.433	ug/l #	51
38) Carbon Tetrachloride	8.086	117	35837	6.662	ug/l #	16
47) Bromodichloromethane	9.770	83	2337	0.408	ug/l #	86
51) 4-Methyl-2-Pentanone	10.336	43	1191	0.209	ug/l #	39
53) t-1,3-Dichloropropene	10.446	75	247	1.779	ug/l #	5
59) 2-Hexanone	11.095	43	5129	1.287	ug/l	65
60) Dibromochloromethane	11.242	129	125	2.381	ug/l	82
74) N-amyl acetate	12.363	43	1238	0.206	ug/l #	47
76) 1,2,3-Trichloropropane	12.733	75	138322	32.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	138322	106.275	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.260	180	263	2.747	ug/l	72
95) Naphthalene	15.515	128	3405	3.330	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.702	180	571	2.797	ug/l #	52

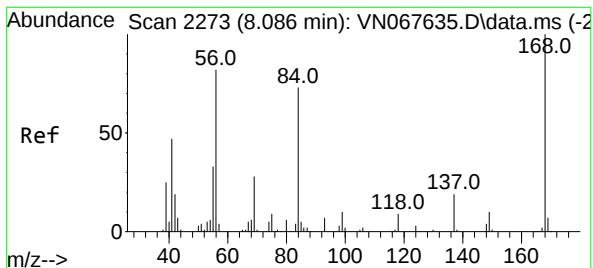
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067693.D

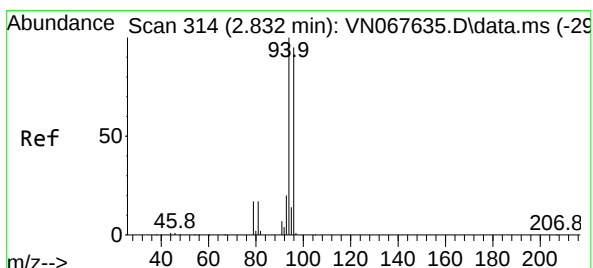
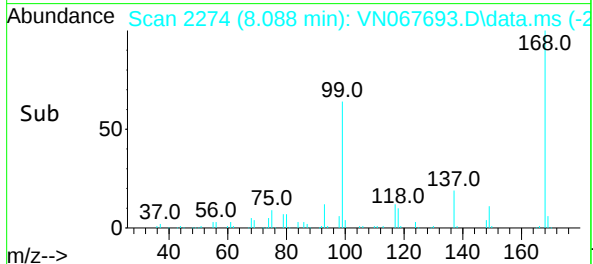
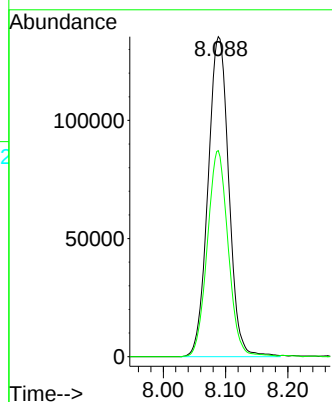
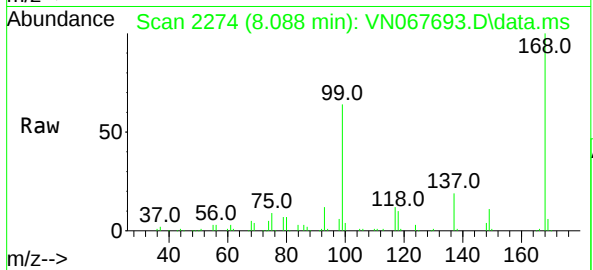
Acq: 9 Jul 2021 18:17

Tgt Ion:168 Resp: 313902

Ion Ratio Lower Upper

168 100

99 64.4 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.813 min Scan# 307

Delta R.T. -0.019 min

Lab File: VN067693.D

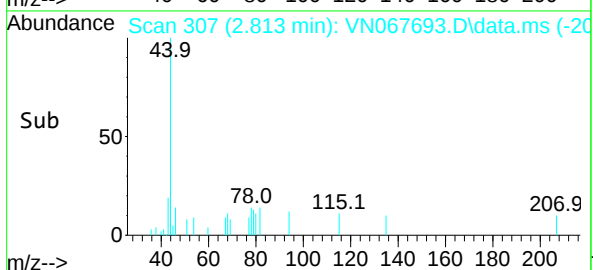
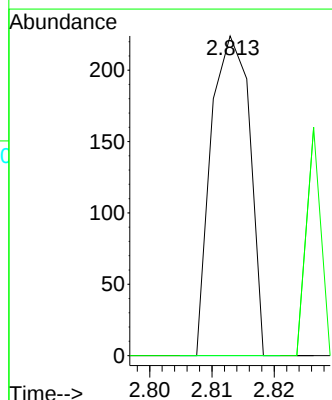
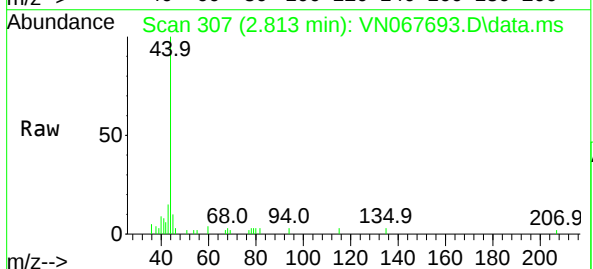
Acq: 9 Jul 2021 18:17

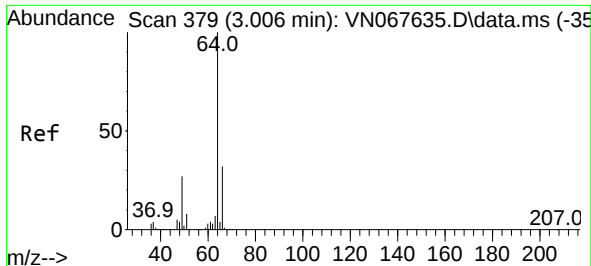
Tgt Ion: 94 Resp: 96

Ion Ratio Lower Upper

94 100

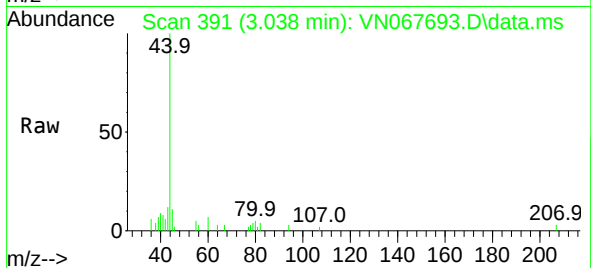
96 0.0 73.7 110.5#



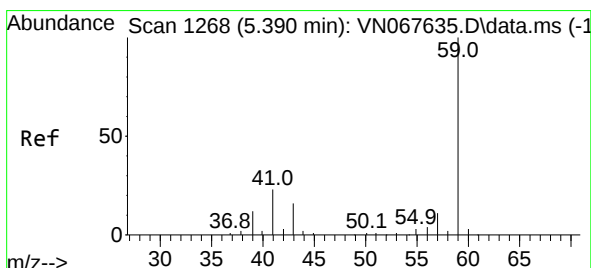
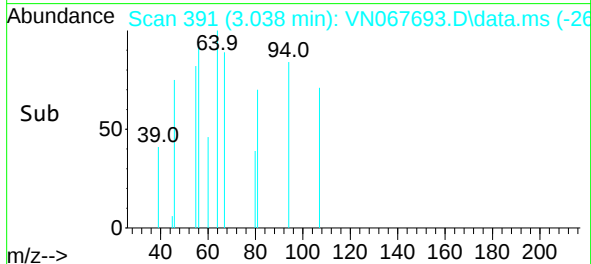
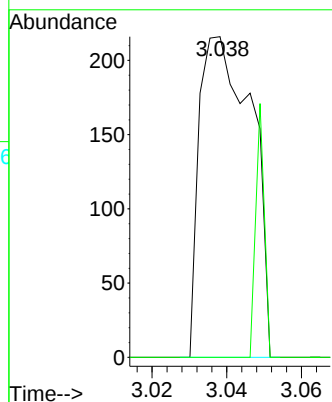


#6
Chloroethane
Concen: Below Cal
RT: 3.038 min Scan# 391
Delta R.T. 0.032 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Instrument :
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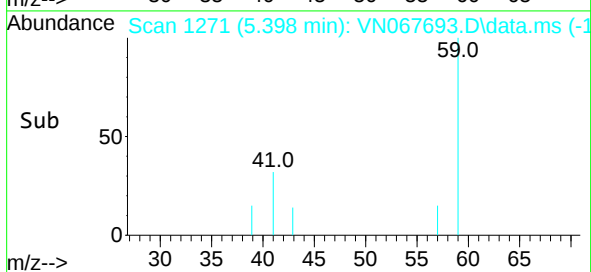
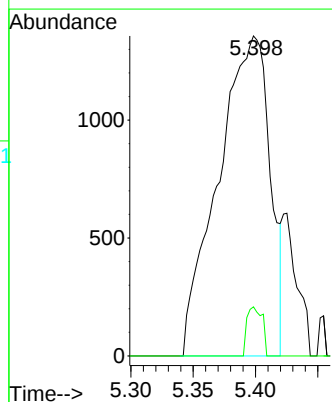
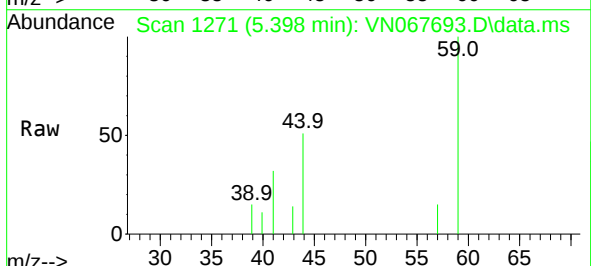


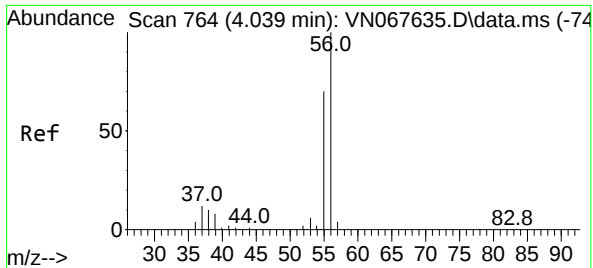
Tgt Ion: 64 Resp: 209
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 5.760 ug/l
RT: 5.398 min Scan# 1271
Delta R.T. 0.008 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 59 Resp: 3927
Ion Ratio Lower Upper
59 100
57 4.5 8.7 13.1#

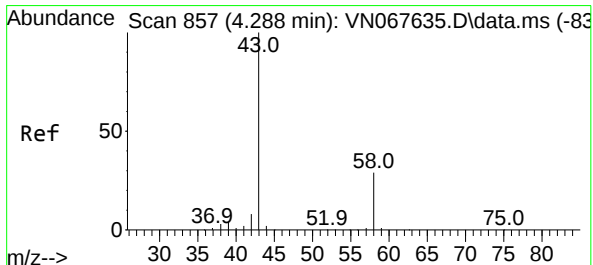
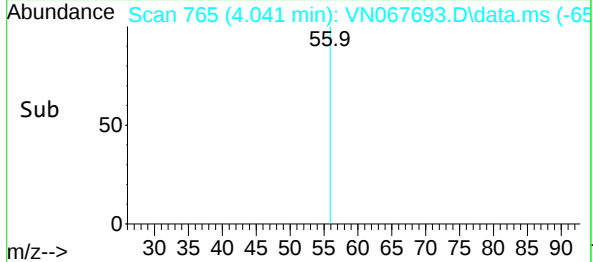
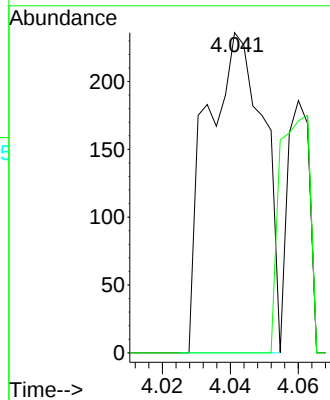
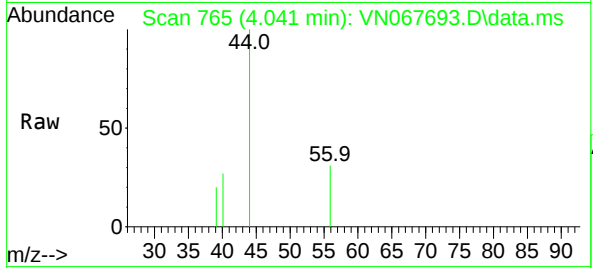




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

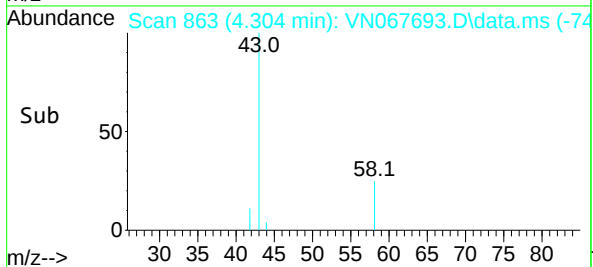
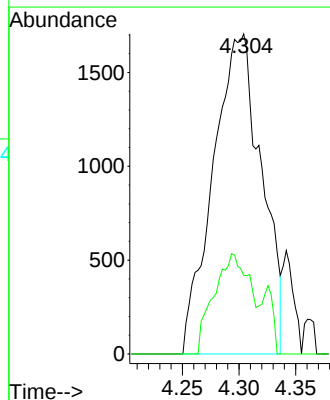
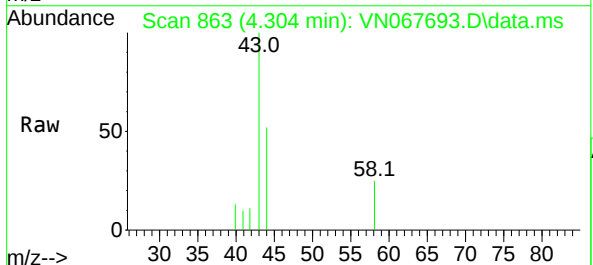
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

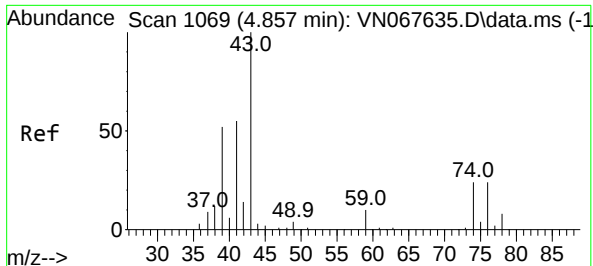
Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 3.387 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 43 Resp: 5056
Ion Ratio Lower Upper
43 100
58 24.6 21.2 31.8





#18

Methyl Acetate

Concen: 0.476 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.005 min

Lab File: VN067693.D

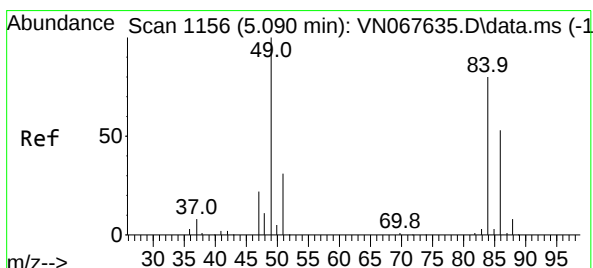
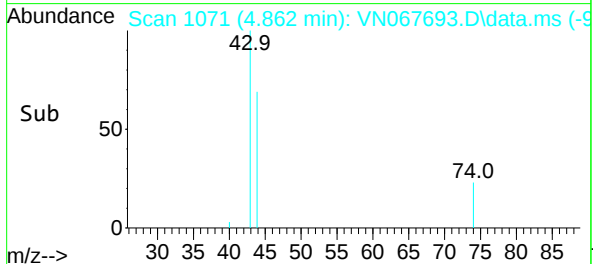
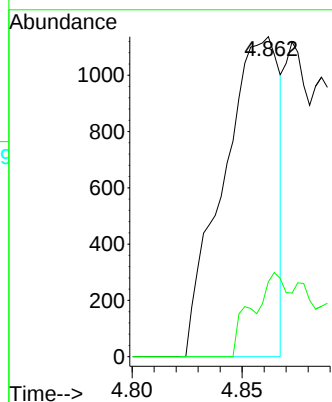
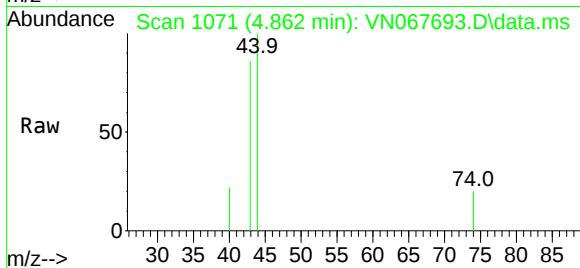
Acq: 9 Jul 2021 18:17

Tgt Ion: 43 Resp: 1997

Ion Ratio Lower Upper

43 100

74 17.2 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.079 min Scan# 1152

Delta R.T. -0.011 min

Lab File: VN067693.D

Acq: 9 Jul 2021 18:17

Tgt Ion: 84 Resp: 424

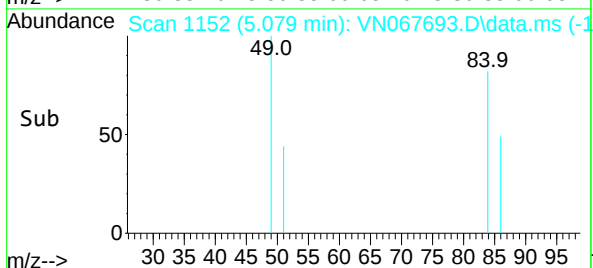
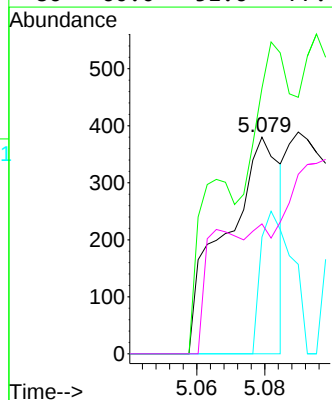
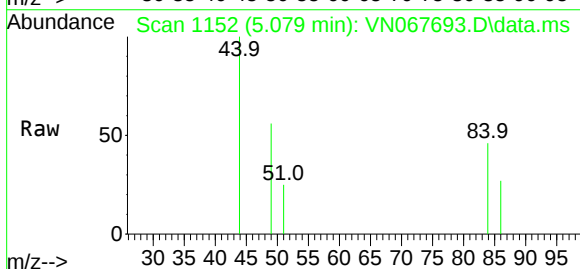
Ion Ratio Lower Upper

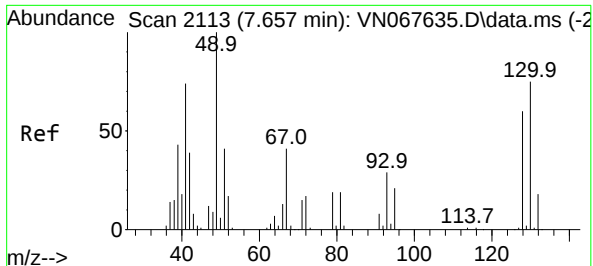
84 100

49 122.6 110.9 166.3

51 53.9 32.6 49.0#

86 60.0 51.6 77.4

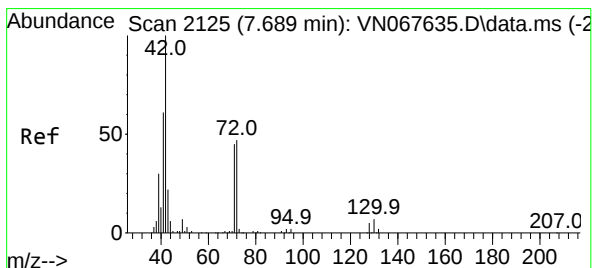
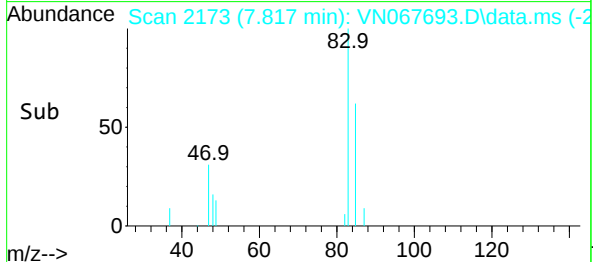
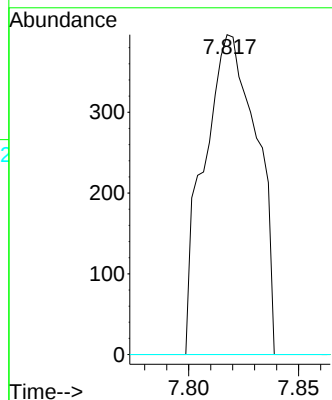
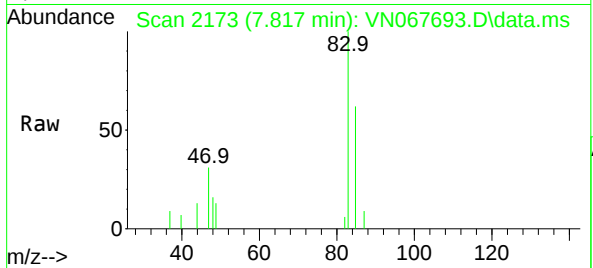




#28
Bromochloromethane
Concen: 0.208 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. 0.160 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

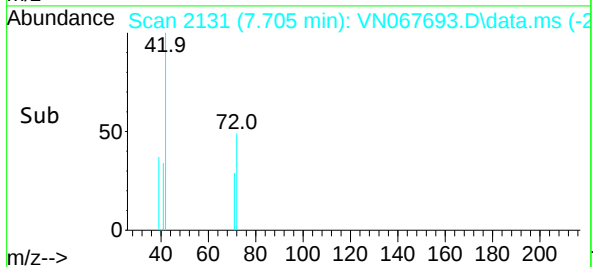
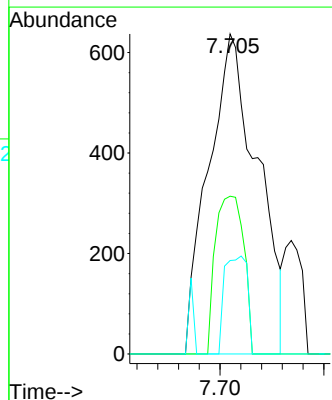
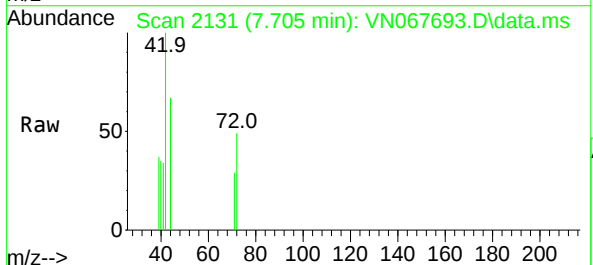
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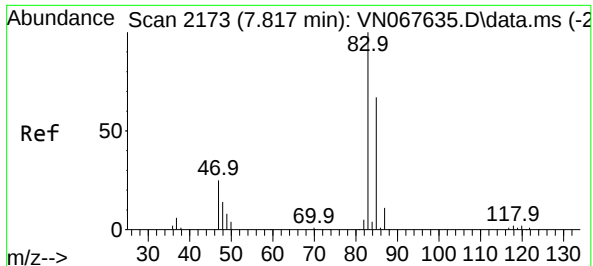
Tgt Ion: 49 Resp: 658
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 49.7 74.5#



#29
Tetrahydrofuran
Concen: 0.641 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 42 Resp: 1045
Ion Ratio Lower Upper
42 100
72 28.4 32.8 49.2#
71 14.3 31.2 46.8#

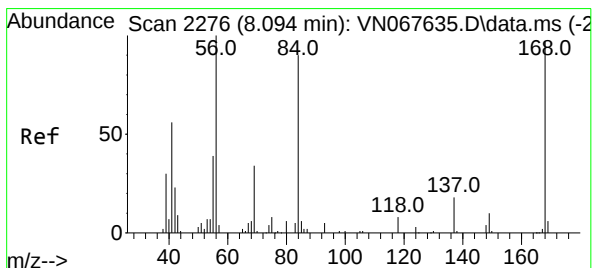
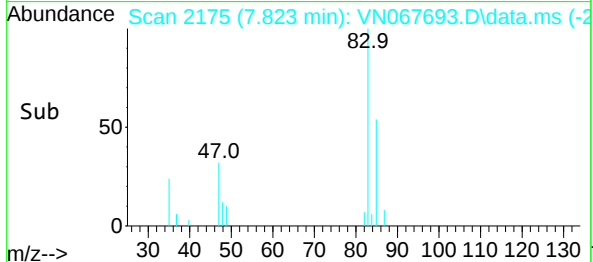
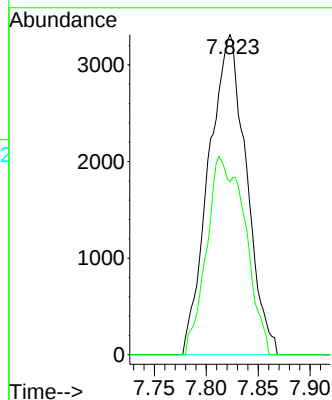
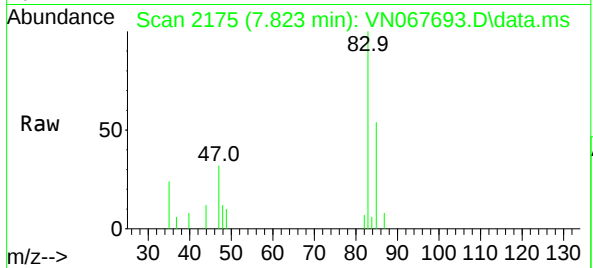




#30
Chloroform
Concen: 1.145 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. 0.006 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

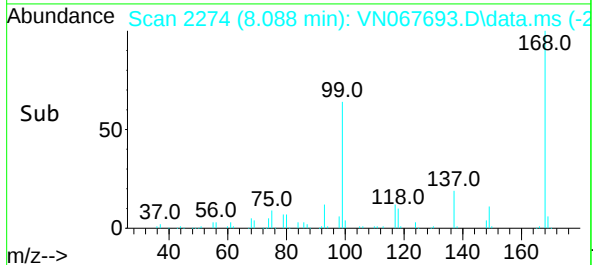
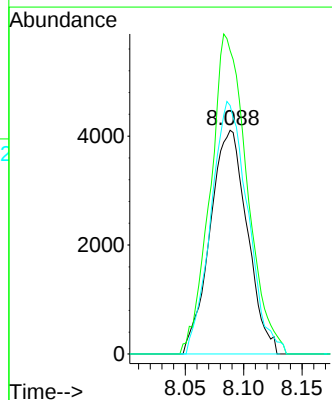
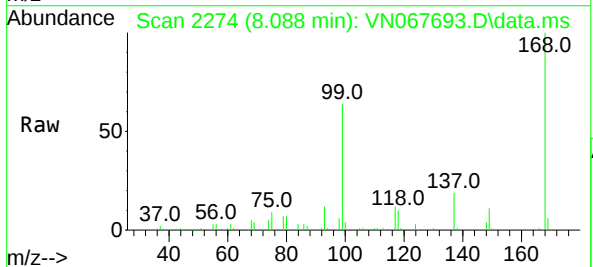
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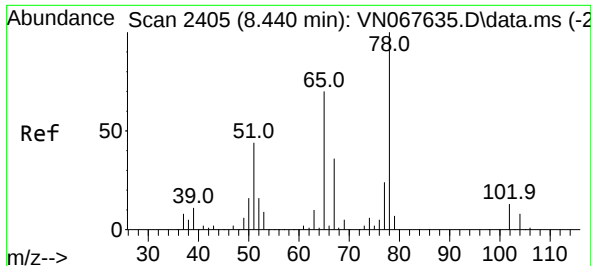
Tgt Ion: 83 Resp: 8348
Ion Ratio Lower Upper
83 100
85 54.1 51.5 77.3



#31
Cyclohexane
Concen: 1.367 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 56 Resp: 9090
Ion Ratio Lower Upper
56 100
69 135.7 27.3 40.9#
84 111.1 64.9 97.3#



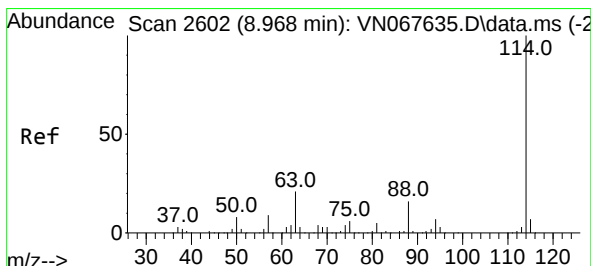
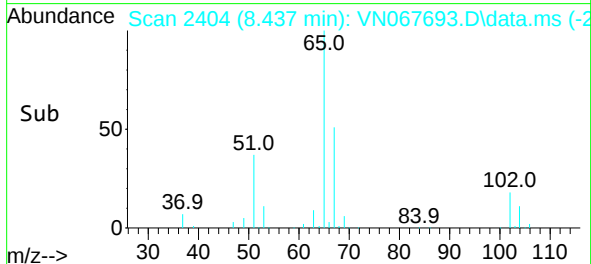
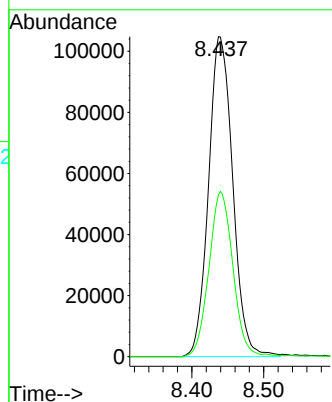
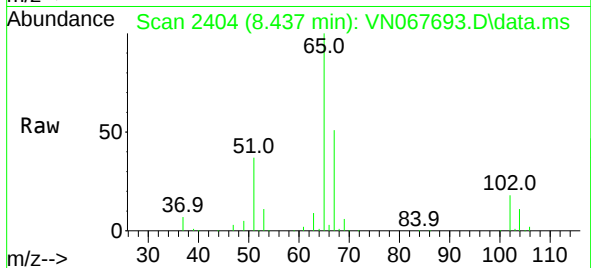


#33

1,2-Dichloroethane-d4
Concen: 51.681 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Instrument :
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ClientSampleId :
FRAC-TANK-N43502

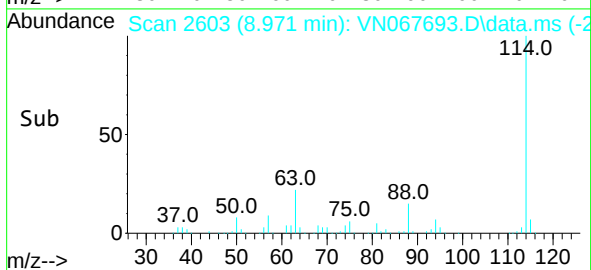
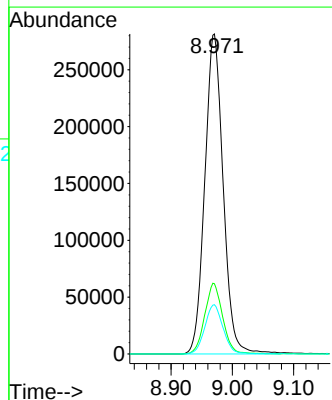
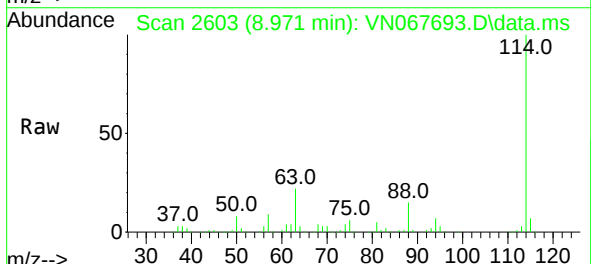
Tgt Ion: 65 Resp: 245177
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

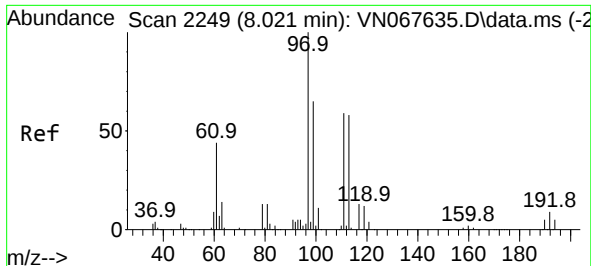


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 114 Resp: 587080
Ion Ratio Lower Upper
114 100
63 22.0 0.0 49.0
88 15.4 0.0 36.6

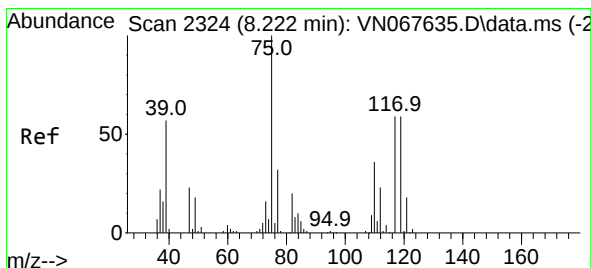
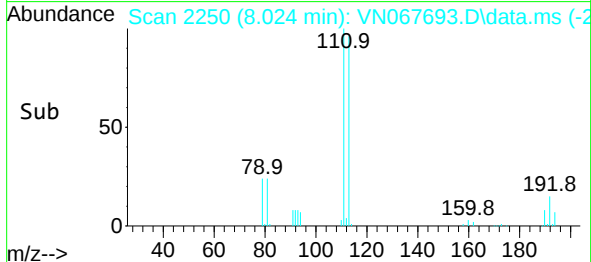
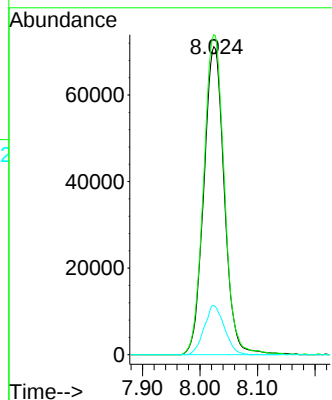
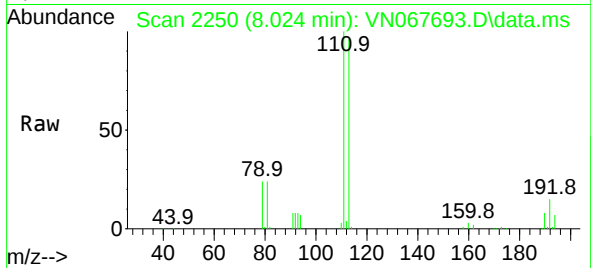




#35
Dibromofluoromethane
Concen: 49.550 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

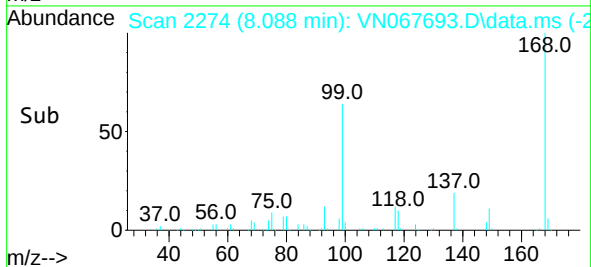
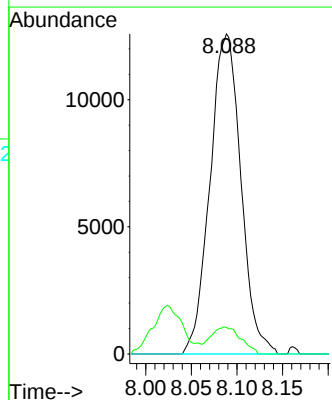
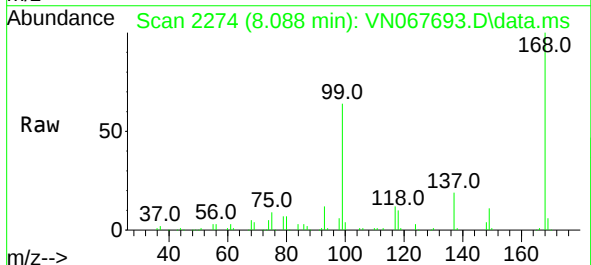
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

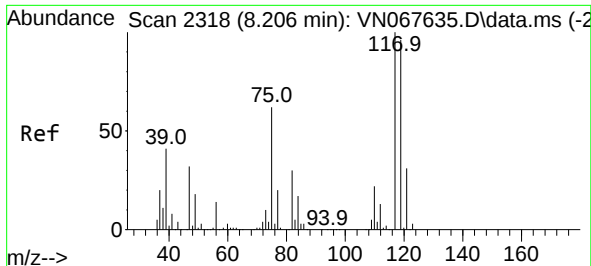
Tgt Ion:113 Resp: 175755
Ion Ratio Lower Upper
113 100
111 104.6 83.8 125.8
192 15.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.433 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

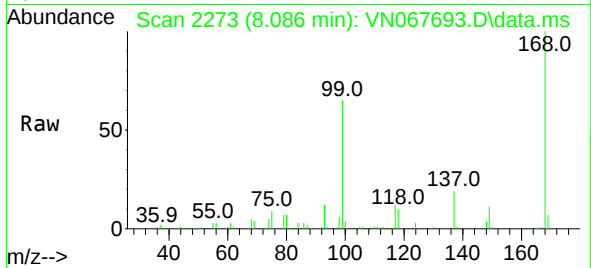
Tgt Ion: 75 Resp: 29628
Ion Ratio Lower Upper
75 100
110 8.2 15.7 47.0#
77 0.0 24.6 37.0#



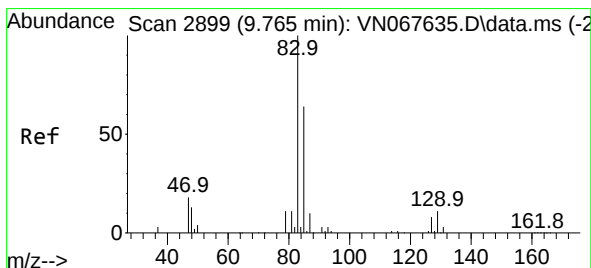
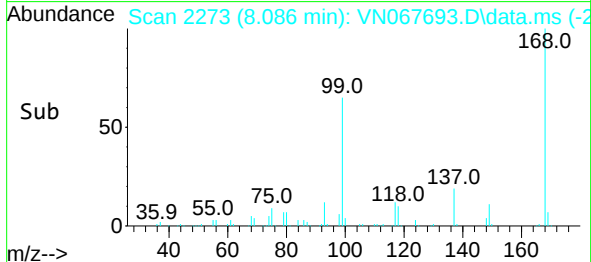
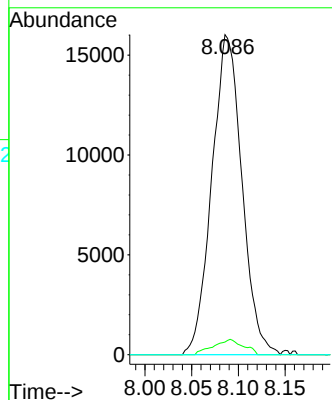


#38
Carbon Tetrachloride
Concen: 6.662 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

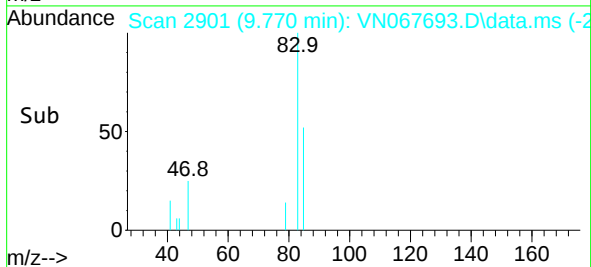
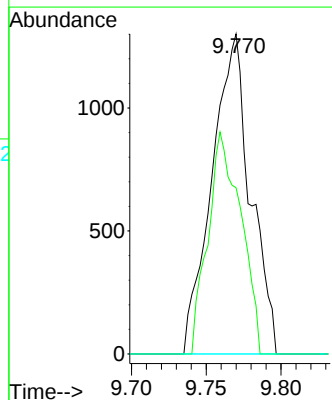
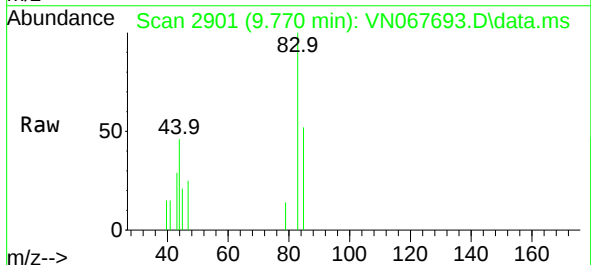


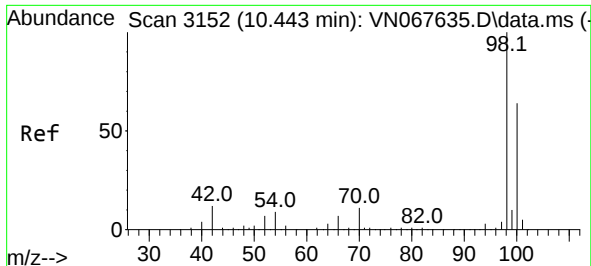
Tgt Ion:117 Resp: 35837
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 23.5 35.3#



#47
Bromodichloromethane
Concen: 0.408 ug/l
RT: 9.770 min Scan# 2901
Delta R.T. 0.005 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 83 Resp: 2337
Ion Ratio Lower Upper
83 100
85 52.0 49.9 74.9
127 0.0 6.1 9.1#

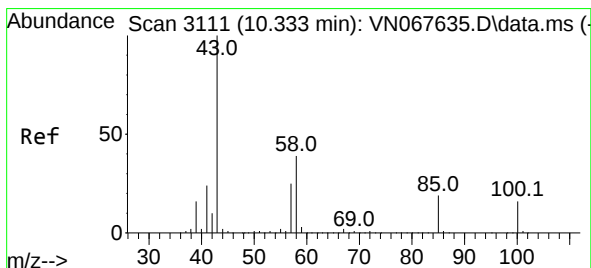
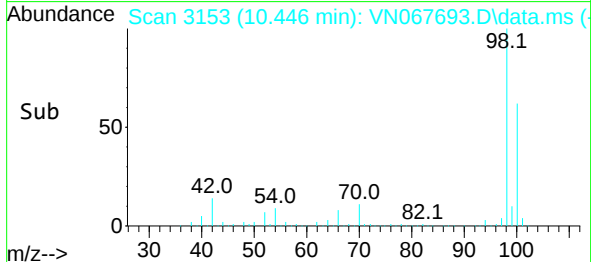
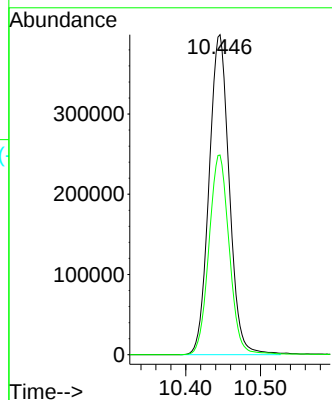
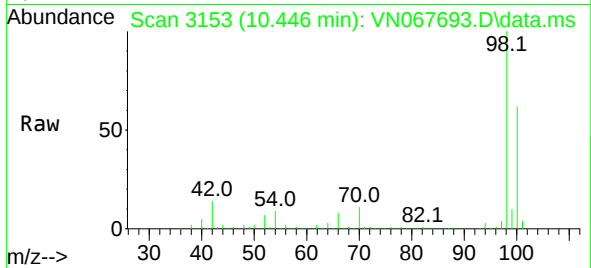




#50
Toluene-d8
Concen: 50.480 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

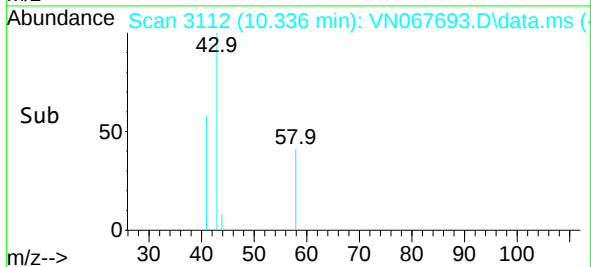
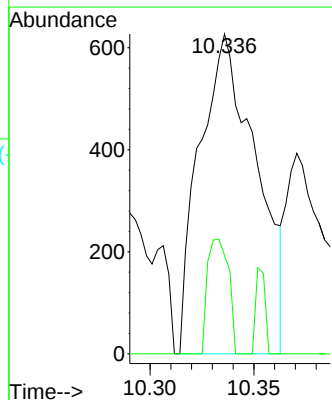
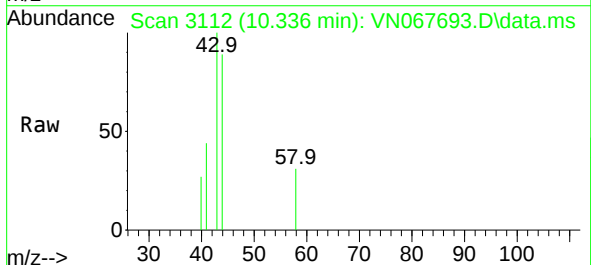
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

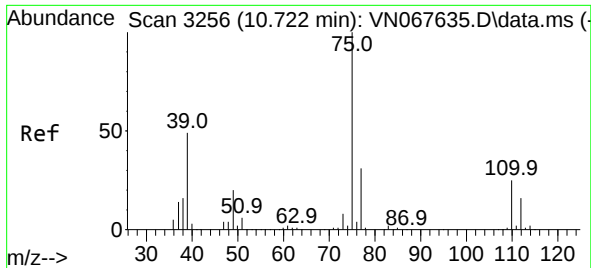
Tgt Ion: 98 Resp: 749470
Ion Ratio Lower Upper
98 100
100 62.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

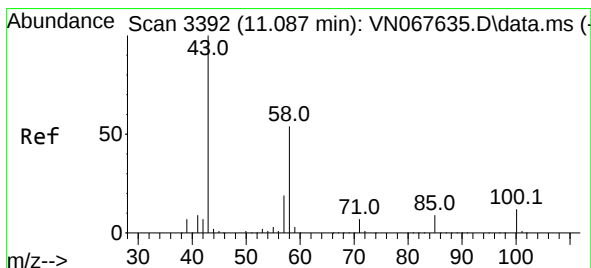
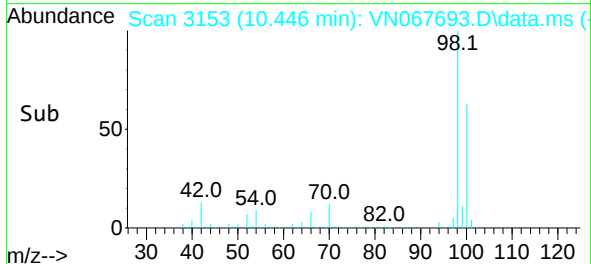
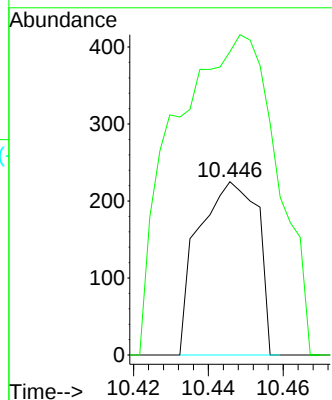
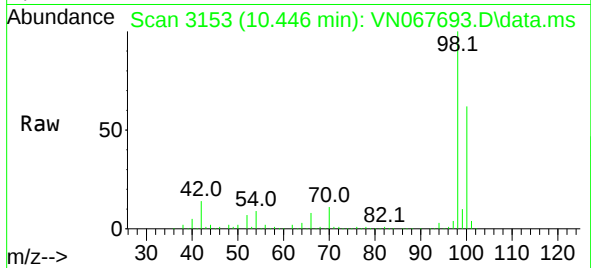




#53
t-1,3-Dichloropropene
Concen: 1.779 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.276 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

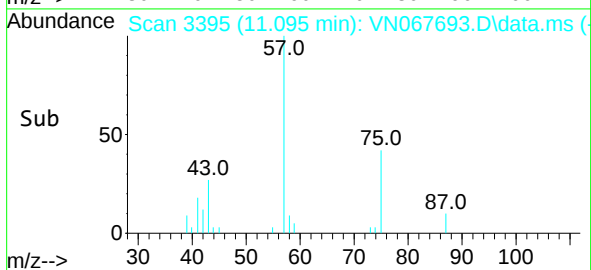
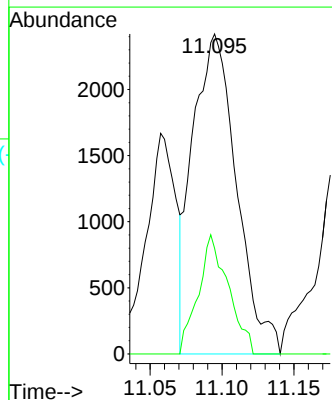
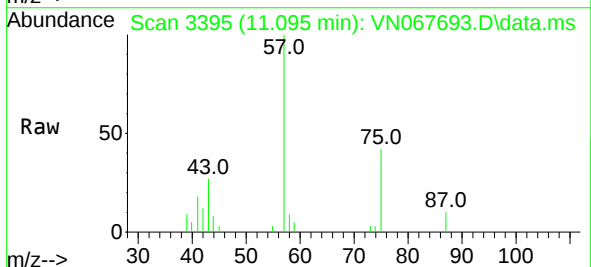
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

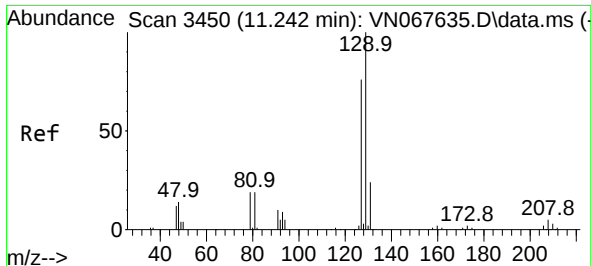
Tgt Ion: 75 Resp: 247
Ion Ratio Lower Upper
75 100
77 84.0 25.1 37.7#



#59
2-Hexanone
Concen: 1.287 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 43 Resp: 5129
Ion Ratio Lower Upper
43 100
58 25.5 24.7 74.1

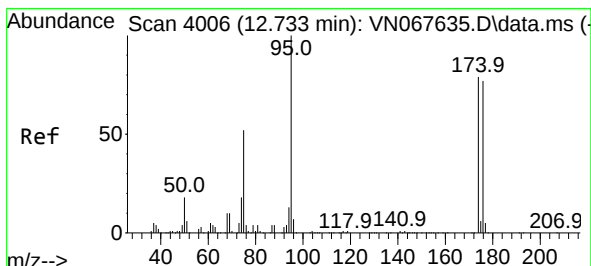
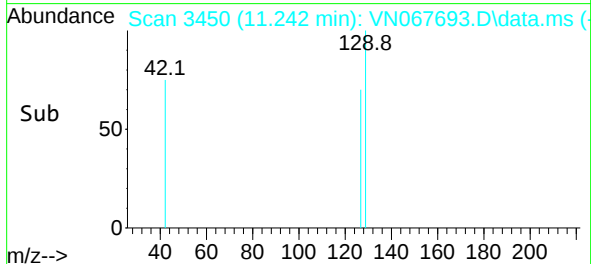
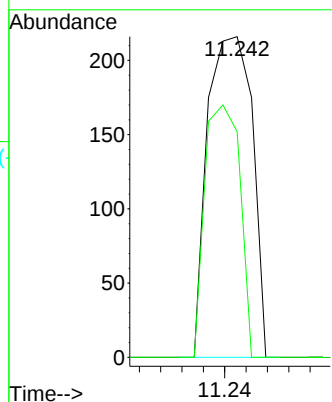
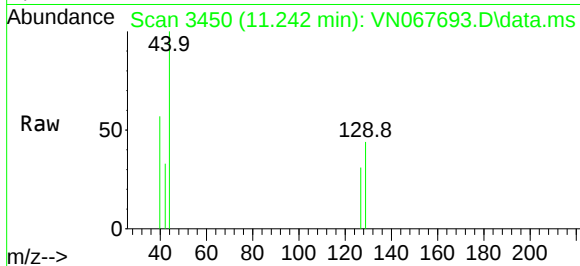




#60
Dibromochloromethane
Concen: 2.381 ug/l
RT: 11.242 min Scan# 3450
Delta R.T. 0.000 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

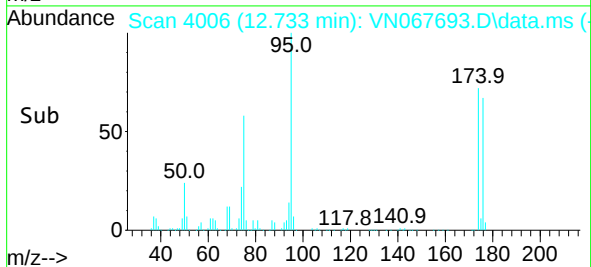
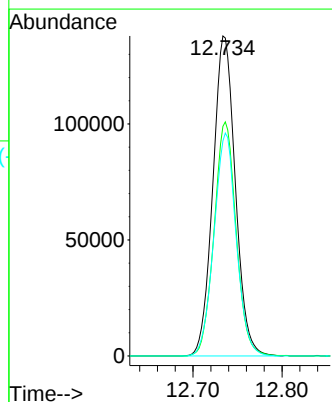
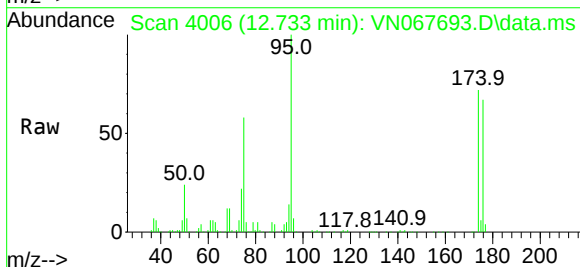
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

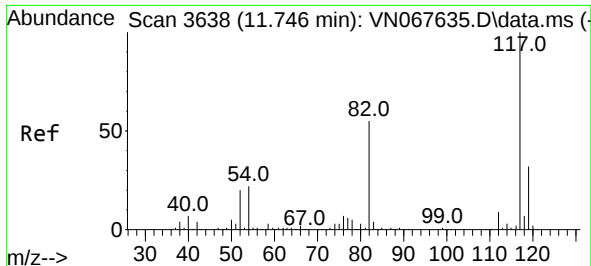
Tgt Ion:129 Resp: 125
Ion Ratio Lower Upper
129 100
127 61.6 38.6 115.8



#62
4-Bromofluorobenzene
Concen: 45.995 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 95 Resp: 241232
Ion Ratio Lower Upper
95 100
174 72.0 0.0 122.0
176 69.3 0.0 117.6

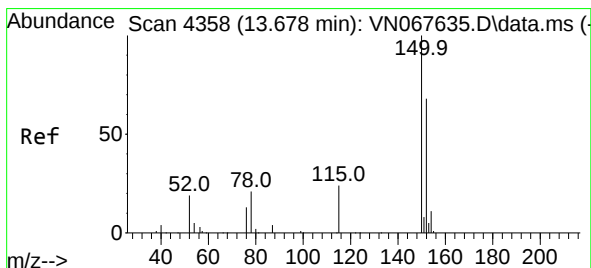
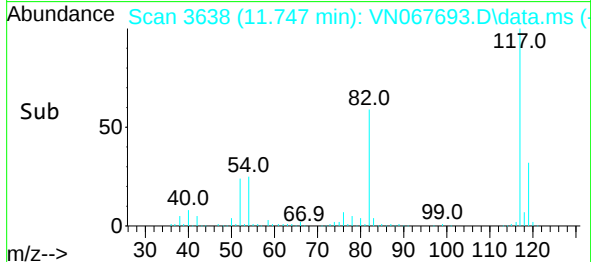
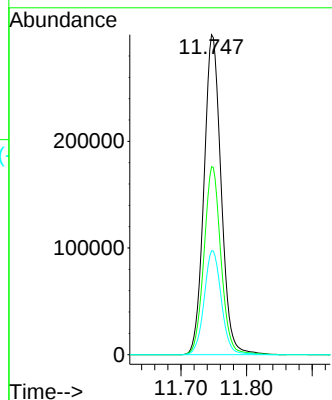
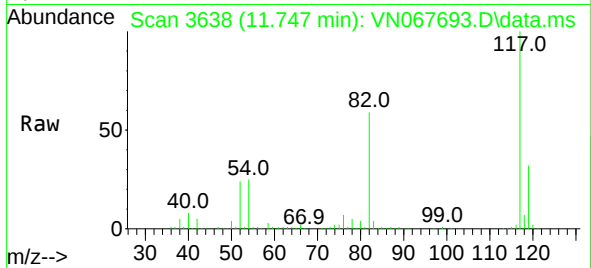




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

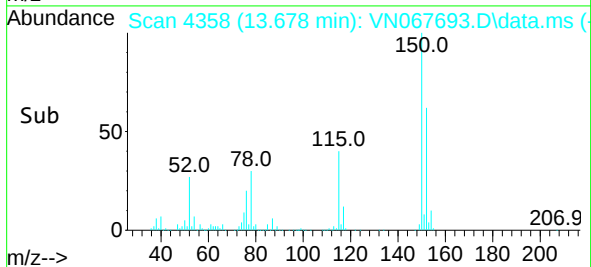
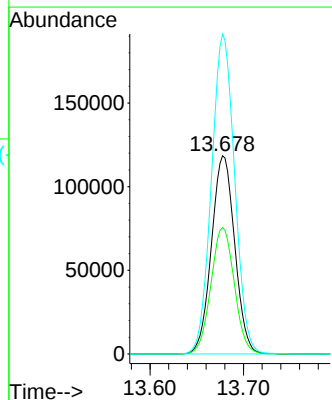
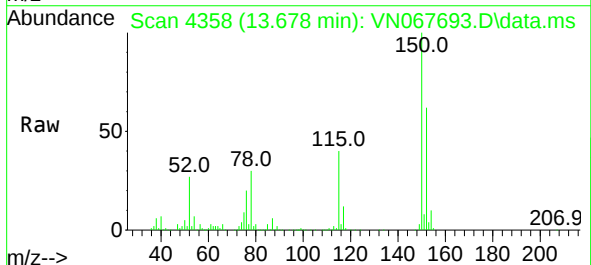
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

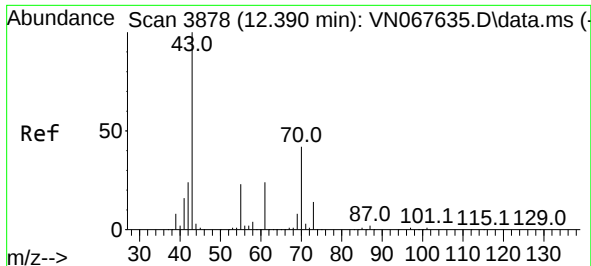
Tgt Ion:117 Resp: 543922
Ion Ratio Lower Upper
117 100
82 58.8 53.1 79.7
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion:152 Resp: 205483
Ion Ratio Lower Upper
152 100
115 64.1 36.1 108.5
150 160.5 0.0 351.8

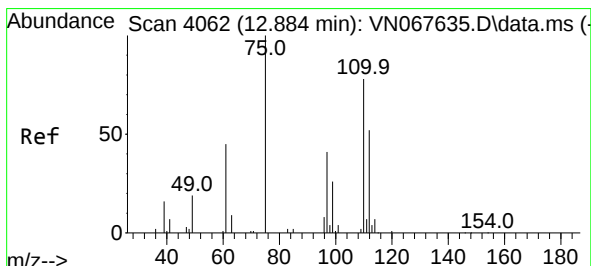
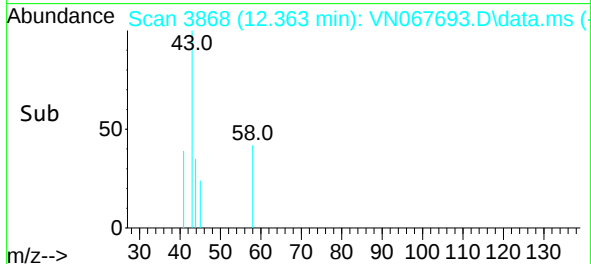
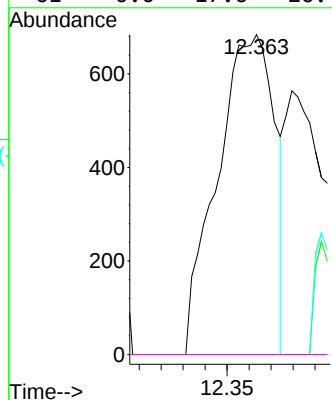
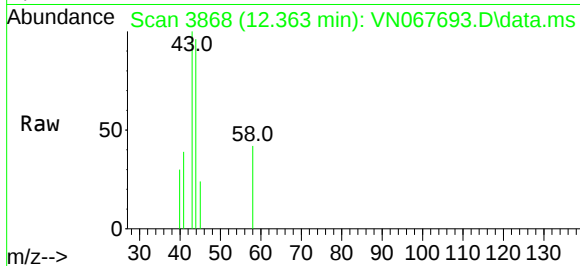




#74
N-amy1 acetate
Concen: 0.206 ug/l
RT: 12.363 min Scan# 3868
Delta R.T. -0.027 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

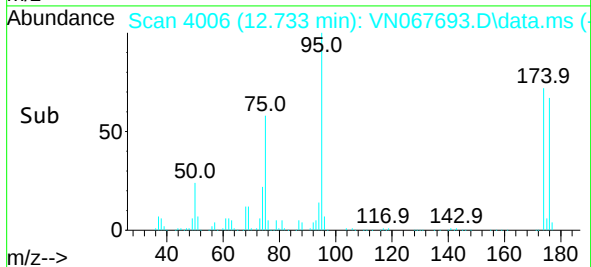
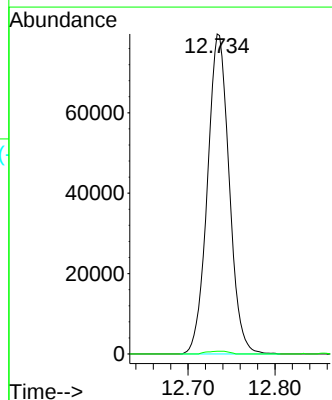
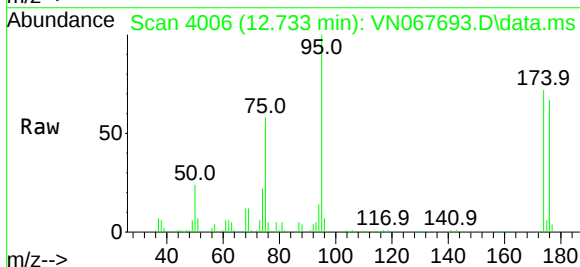
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

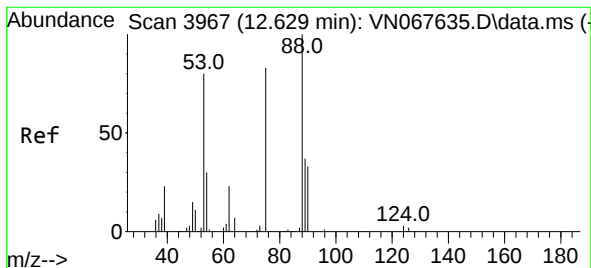
Tgt Ion: 43	Resp:	1238
Ion	Ratio	Lower Upper
43	100	
70	0.0	29.4 44.2#
55	0.0	17.0 25.4#
61	0.0	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 32.963 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion: 75	Resp:	138322
Ion	Ratio	Lower Upper
75	100	
77	0.9	0.0 0.0#

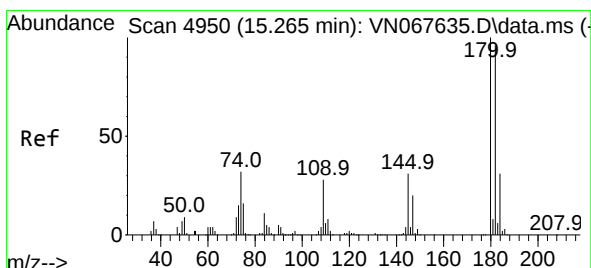
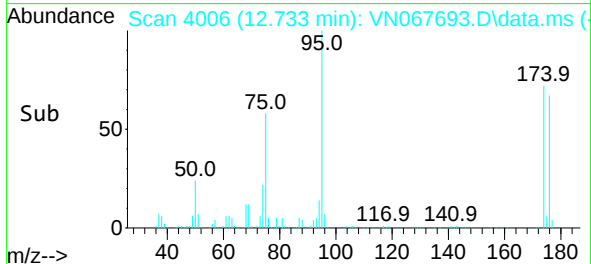
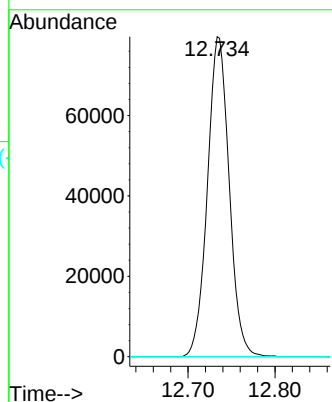
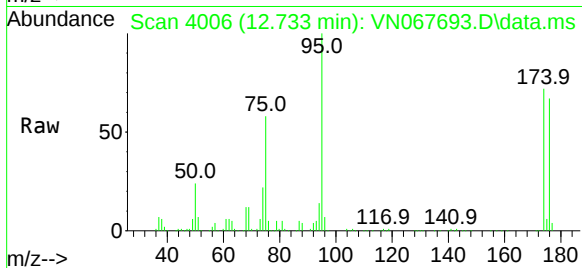




#81
trans-1,4-Dichloro-2-butene
Concen: 106.275 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

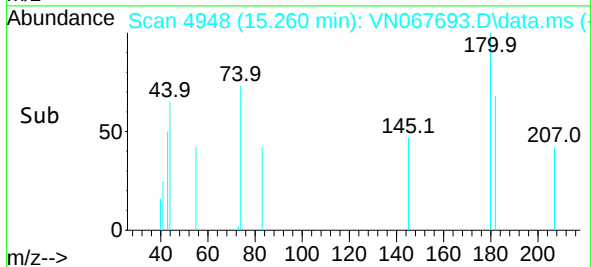
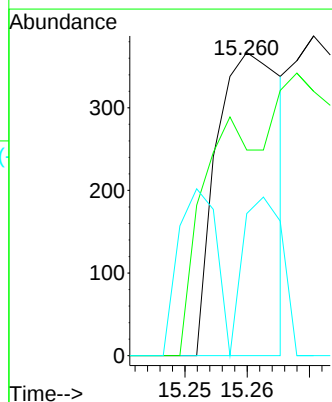
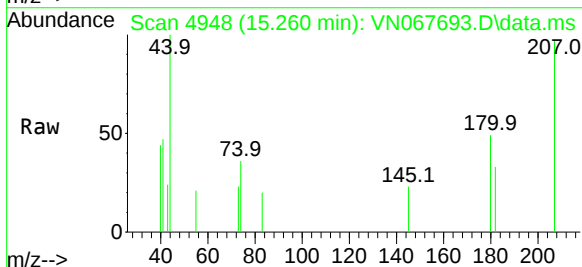
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

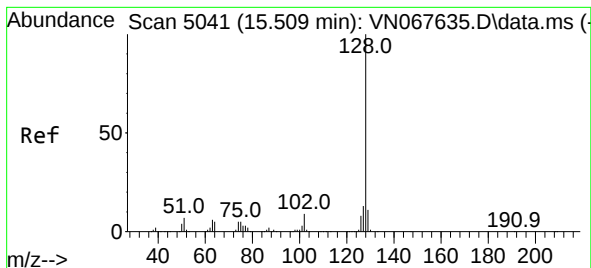
Tgt Ion: 75 Resp: 138322
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.747 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion:180 Resp: 263
Ion Ratio Lower Upper
180 100
182 58.9 47.5 142.5
145 32.3 17.2 51.6

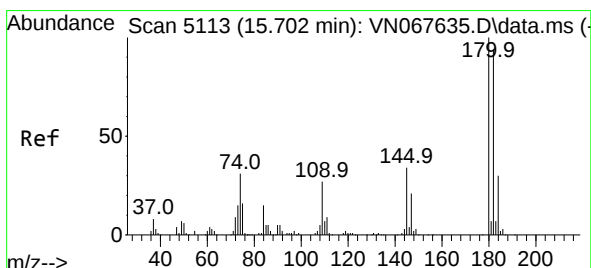
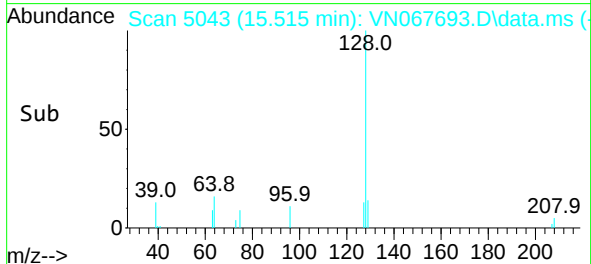
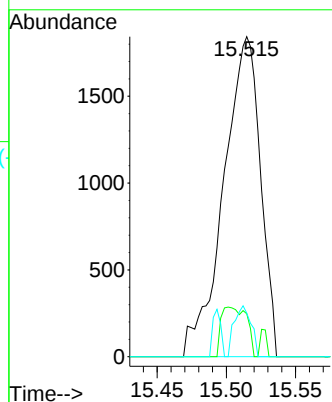
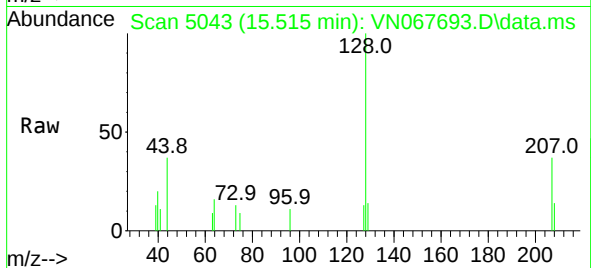




#95
Naphthalene
Concen: 3.330 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-N43502

Tgt Ion:128 Resp: 3405
Ion Ratio Lower Upper
128 100
127 1.5 10.6 15.8#
129 7.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.797 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067693.D
Acq: 9 Jul 2021 18:17

Tgt Ion:180 Resp: 571
Ion Ratio Lower Upper
180 100
182 40.5 47.8 143.3#
145 51.0 18.2 54.6

