

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067241.D
 Acq On : 5 Jun 2021 19:33
 Operator : JC/MD
 Sample : M2603-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FAM4-WC3

Quant Time: Jun 07 01:18:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

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

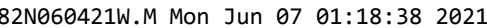
Internal Standards						
1) Pentafluorobenzene	8.091	168	208974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	367558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	402370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	174606	50.000	ug/l	0.00

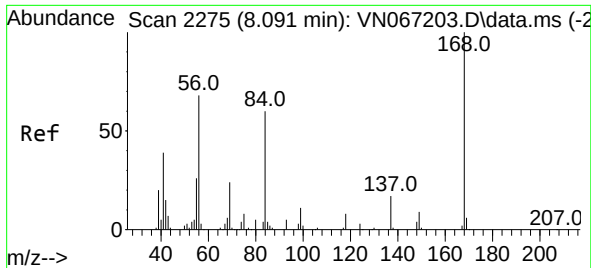
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	137206	48.166	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.340%
35) Dibromofluoromethane	8.027	113	107321	47.099	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.200%
50) Toluene-d8	10.446	98	515752	55.576	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	111.160%
62) 4-Bromofluorobenzene	12.736	95	166764	46.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.320%

Target Compounds			Qvalue			
16) Acetone	4.299	43	6996	7.118	ug/l #	86
18) Methyl Acetate	4.859	43	1168	0.419	ug/l #	61
20) Methylene Chloride	5.100	84	3257	1.316	ug/l #	91
25) 2-Butanone	7.343	43	2833	1.800	ug/l #	83
29) Tetrahydrofuran	7.713	42	669	0.715	ug/l #	28
31) Cyclohexane	8.088	56	5172	1.352	ug/l #	40
36) 1,1-Dichloropropene	8.091	75	16392	4.829	ug/l #	47
37) Ethyl Acetate	7.343	43	2833	0.866	ug/l #	65
38) Carbon Tetrachloride	8.091	117	20271	5.468	ug/l #	15
43) Isopropyl Acetate	8.566	43	15622	2.511	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	873	0.333	ug/l #	45
48) Methyl methacrylate	9.544	41	3908	1.449	ug/l #	9
51) 4-Methyl-2-Pentanone	10.341	43	4055	1.112	ug/l #	75
54) cis-1,3-Dichloropropene	10.250	75	25947	5.772	ug/l #	68
57) 1,3-Dichloropropane	11.095	76	14922	3.433	ug/l #	42
59) 2-Hexanone	11.095	43	224382	84.667	ug/l #	44
76) 1,2,3-Trichloropropane	12.733	75	93932	27.974	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	93932	68.445	ug/l #	15
95) Naphthalene	15.509	128	546	4.488	ug/l #	69

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

Quant Time: Jun 07 01:18:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
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Response via : Initial Calibration

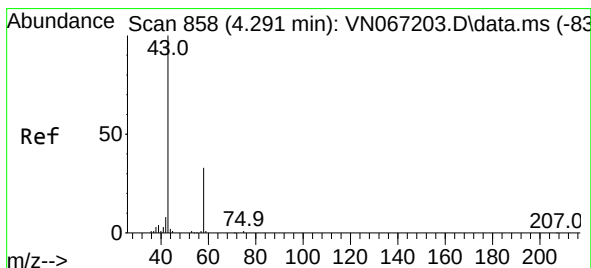
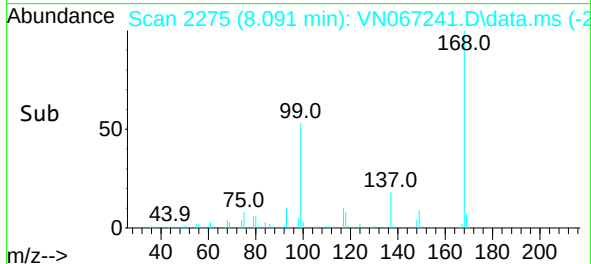
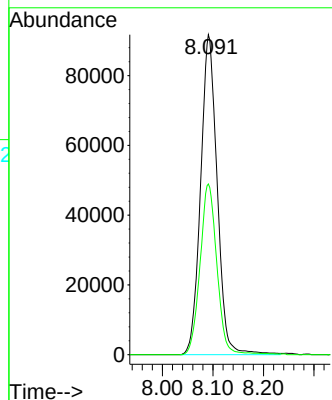
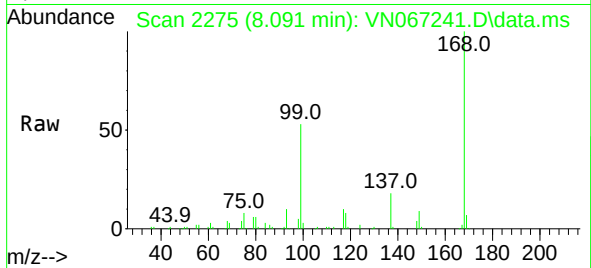




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

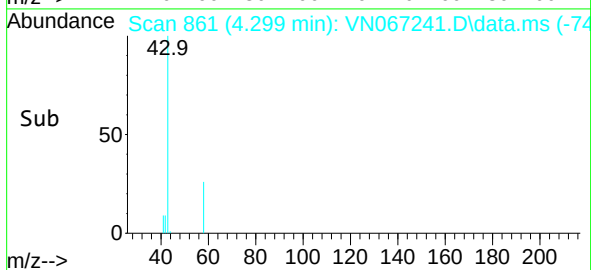
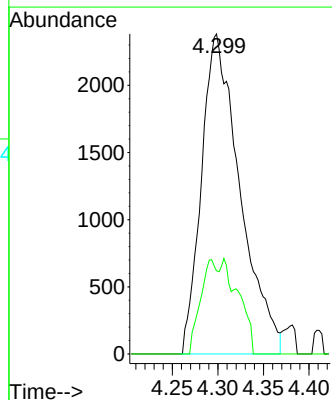
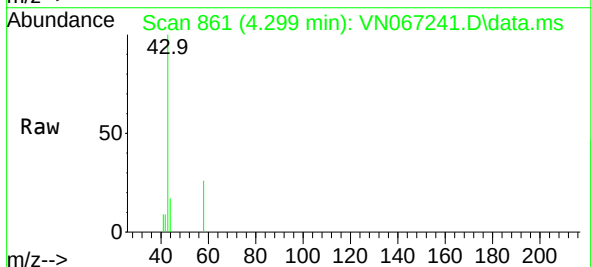
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

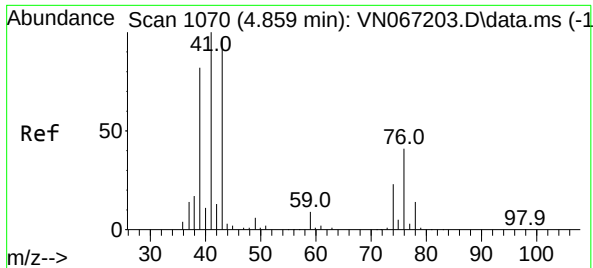
Tgt Ion:168 Resp: 208974
Ion Ratio Lower Upper
168 100
99 53.4 38.5 57.7



#16
Acetone
Concen: 7.118 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 43 Resp: 6996
Ion Ratio Lower Upper
43 100
58 26.0 27.2 40.8#

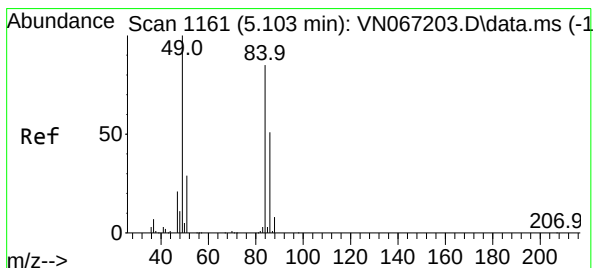
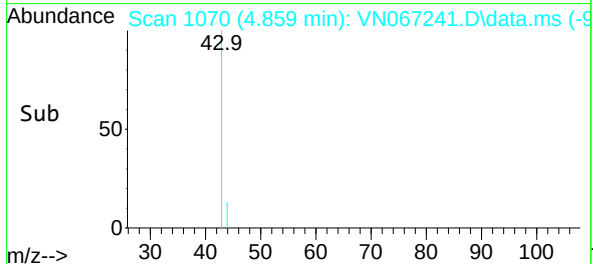
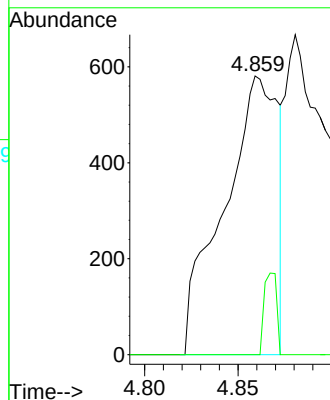
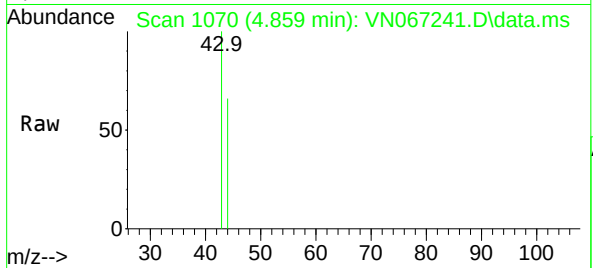




#18
Methyl Acetate
Concen: 0.419 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

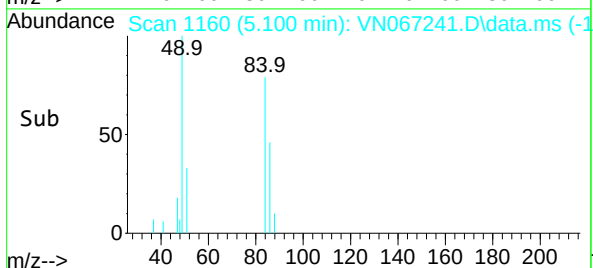
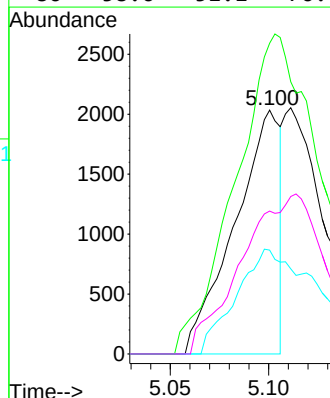
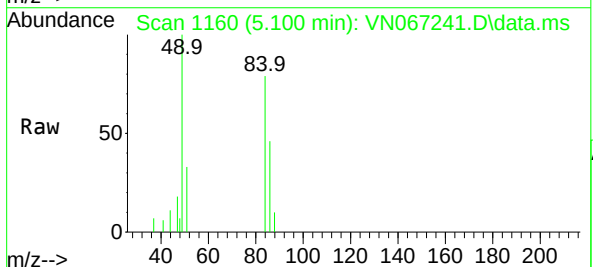
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC3

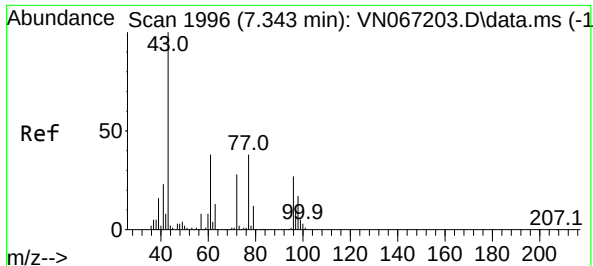
Tgt Ion: 43 Resp: 1168
Ion Ratio Lower Upper
43 100
74 6.8 21.4 32.2#



#20
Methylene Chloride
Concen: 1.316 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. -0.003 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 84 Resp: 3257
Ion Ratio Lower Upper
84 100
49 118.3 88.3 132.5
51 42.6 26.7 40.1#
86 58.6 51.1 76.7

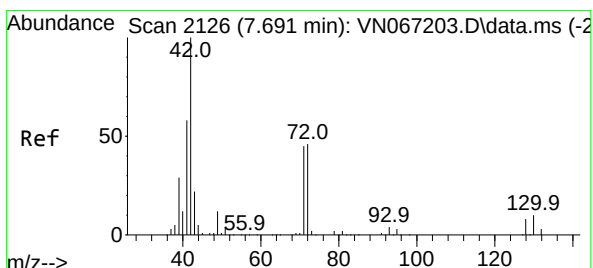
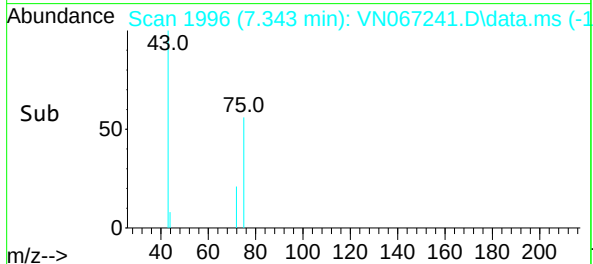
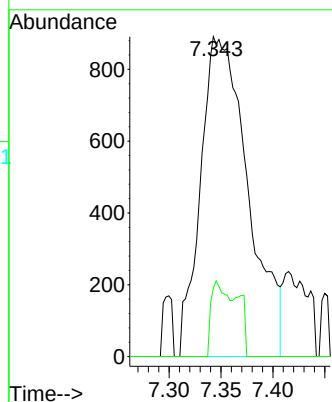
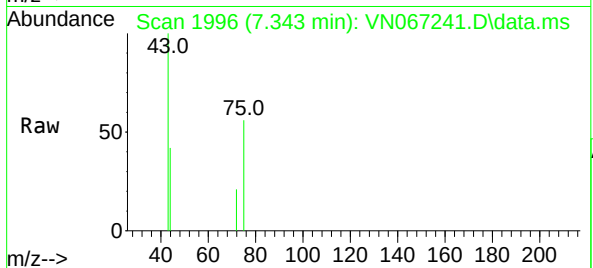




#25
2-Butanone
Concen: 1.800 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

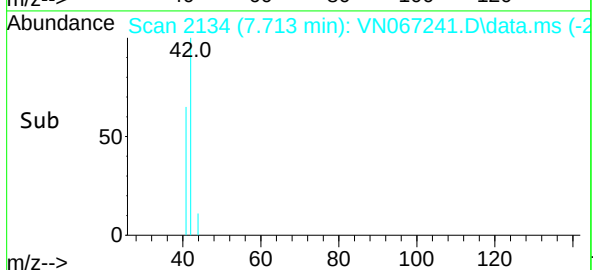
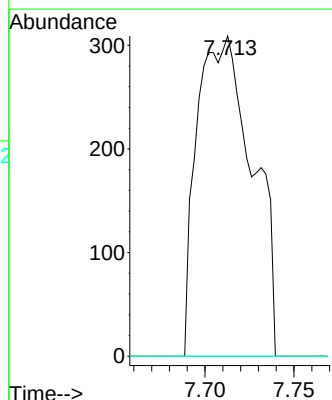
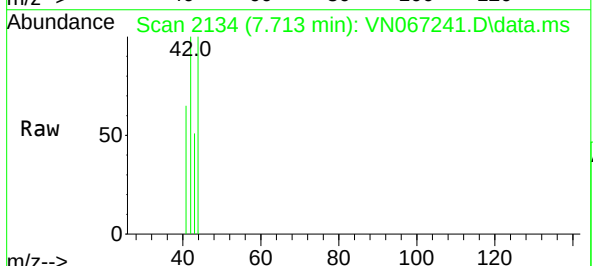
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

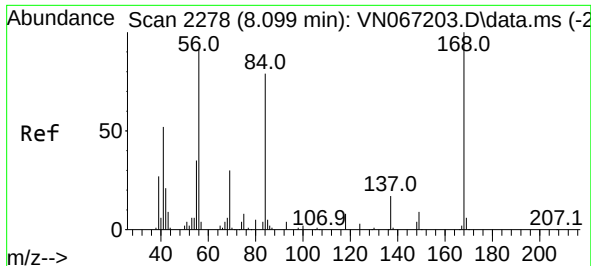
Tgt Ion: 43 Resp: 2833
Ion Ratio Lower Upper
43 100
72 21.3 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.715 ug/l
RT: 7.713 min Scan# 2134
Delta R.T. 0.022 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

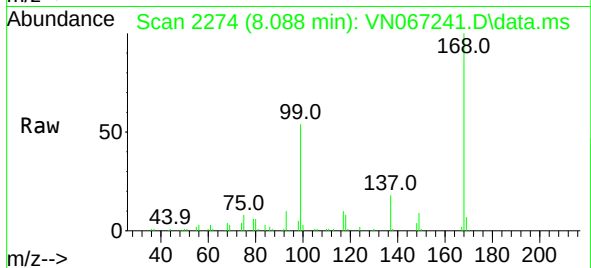
Tgt Ion: 42 Resp: 669
Ion Ratio Lower Upper
42 100
72 0.0 40.1 60.1#
71 0.0 37.9 56.9#



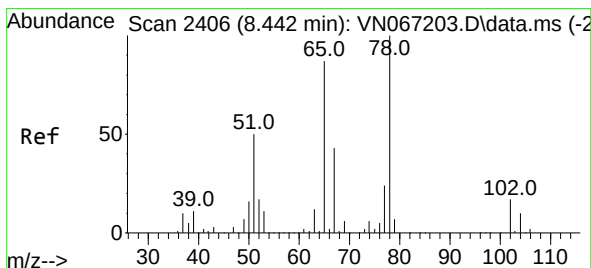
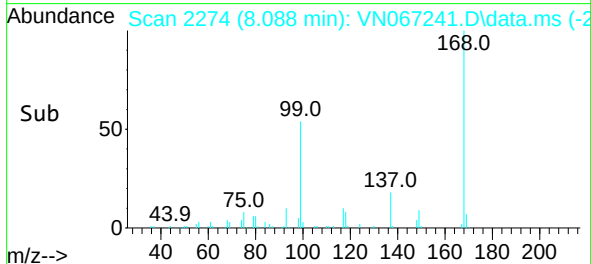
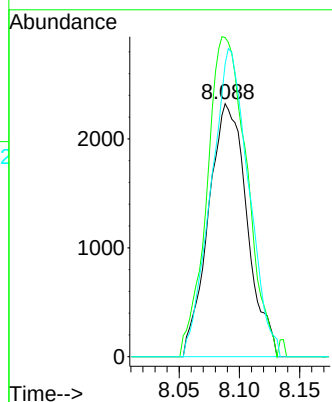


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Instrument :
MSVOA_N
ClientSampled :
FAM4-WC3

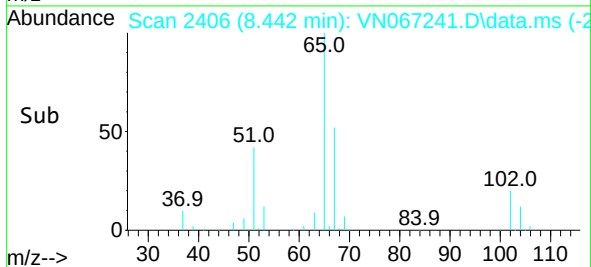
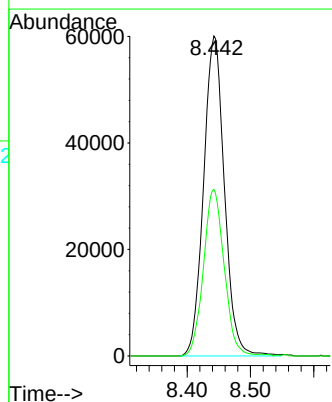
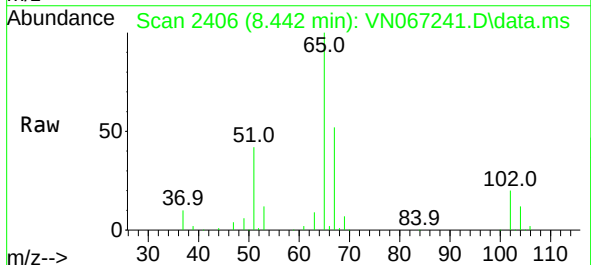


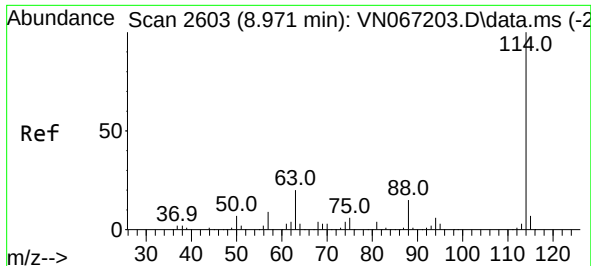
Tgt Ion: 56 Resp: 5172
Ion Ratio Lower Upper
56 100
69 126.1 28.0 42.0#
84 115.7 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 48.166 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 65 Resp: 137206
Ion Ratio Lower Upper
65 100
67 51.8 0.0 110.4

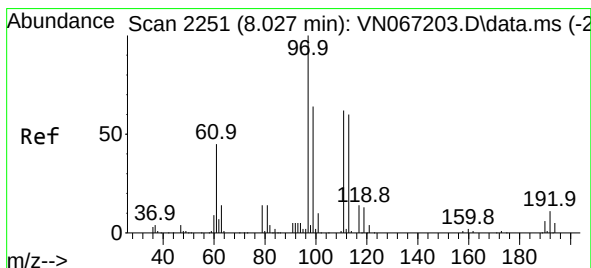
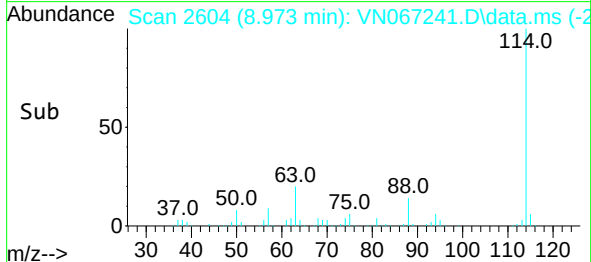
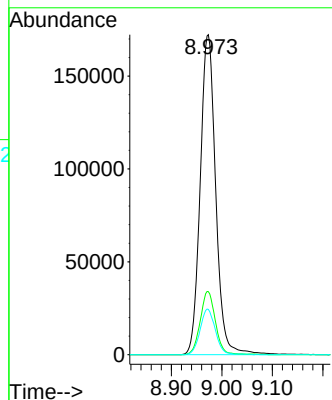
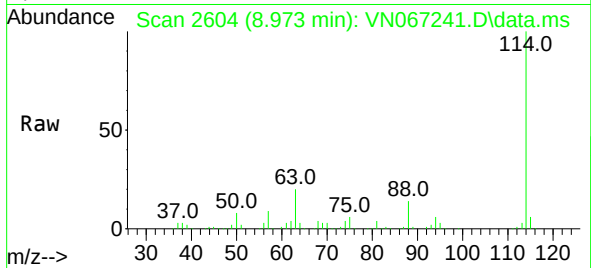




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

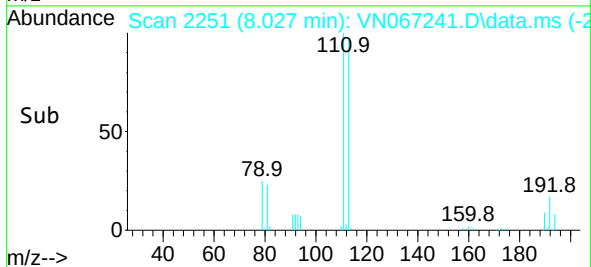
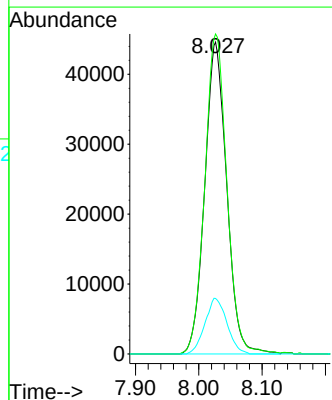
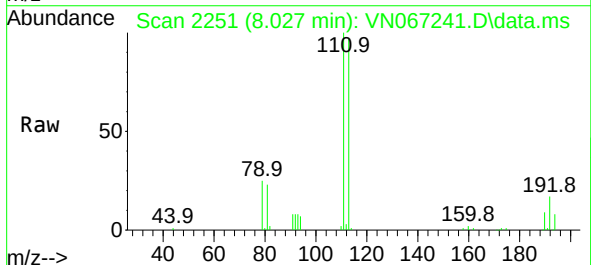
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

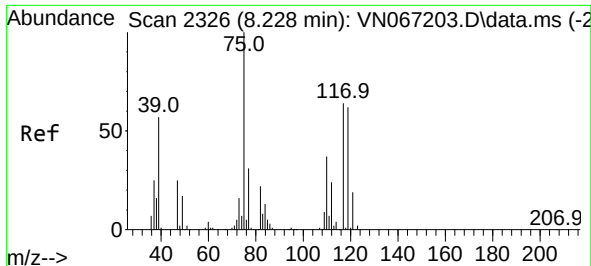
Tgt Ion:114 Resp: 367558
Ion Ratio Lower Upper
114 100
63 19.7 0.0 35.8
88 14.1 0.0 30.4



#35
Dibromofluoromethane
Concen: 47.099 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

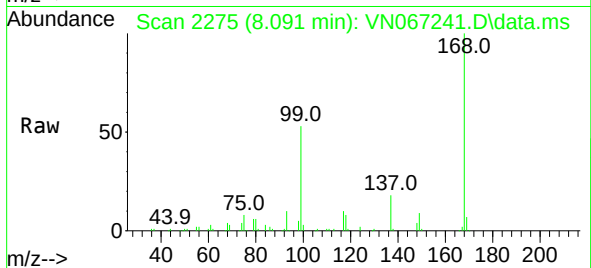
Tgt Ion:113 Resp: 107321
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 17.9 18.2 27.4#



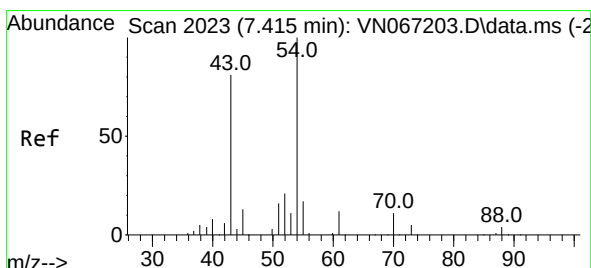
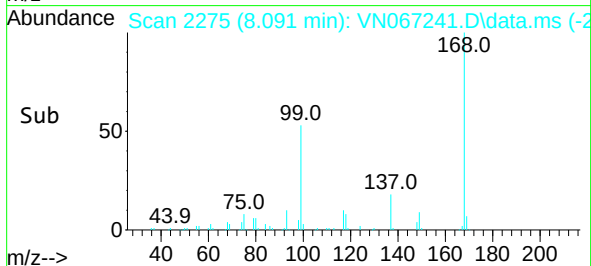
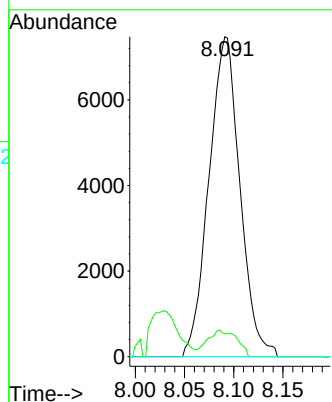


#36
 1,1-Dichloropropene
 Concen: 4.829 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.137 min
 Lab File: VN067241.D
 Acq: 5 Jun 2021 19:33

Instrument :
 MSVOA_N
 ClientSampled :
 FAM4-WC3

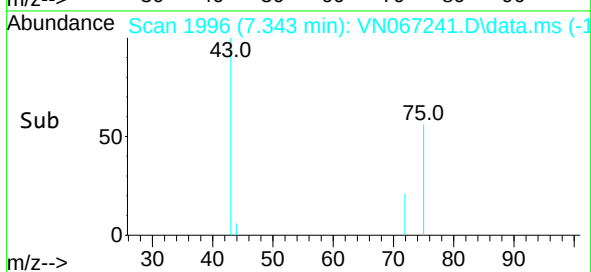
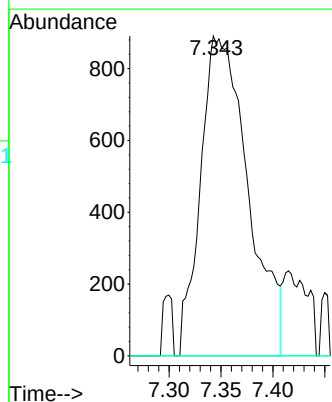
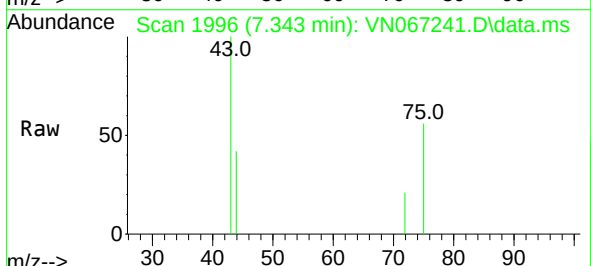


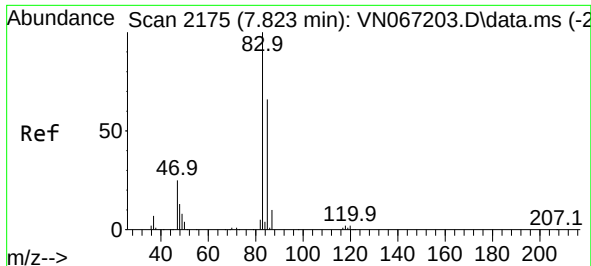
Tgt Ion: 75 Resp: 16392
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.1 57.3#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 0.866 ug/l
 RT: 7.343 min Scan# 1996
 Delta R.T. -0.072 min
 Lab File: VN067241.D
 Acq: 5 Jun 2021 19:33

Tgt Ion: 43 Resp: 2833
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.2 13.8#

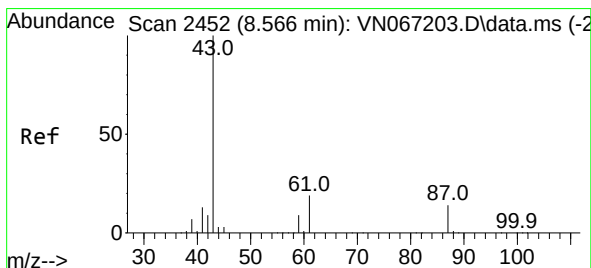
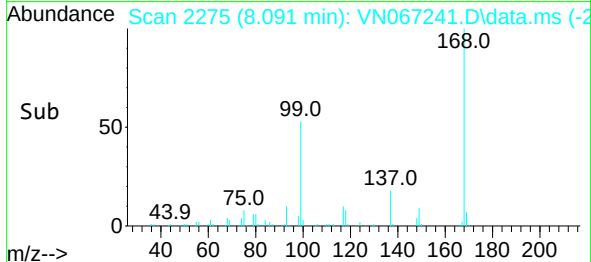
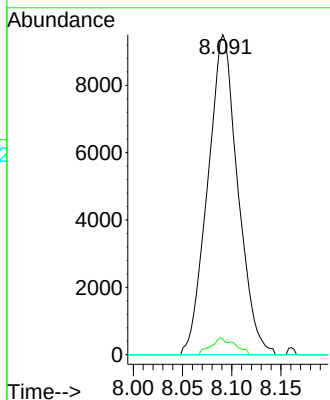
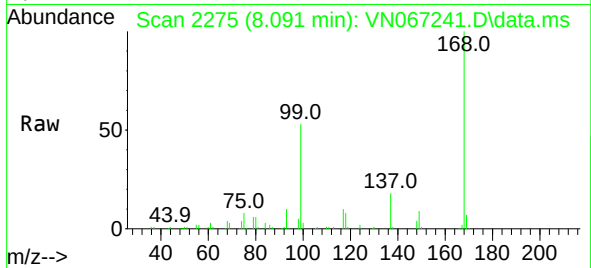




#38
Carbon Tetrachloride
Concen: 5.468 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.121 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

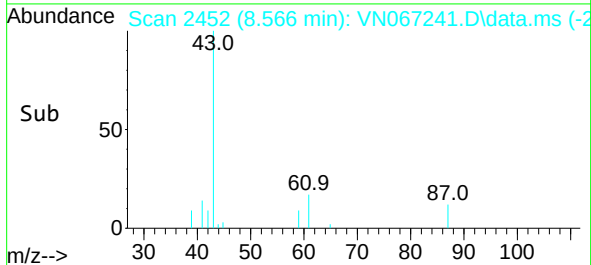
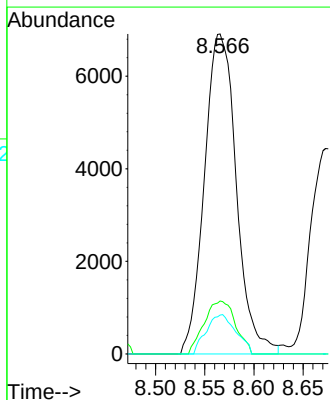
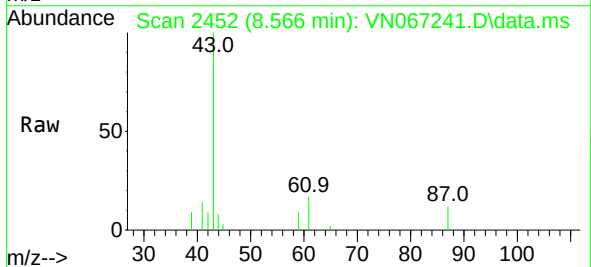
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

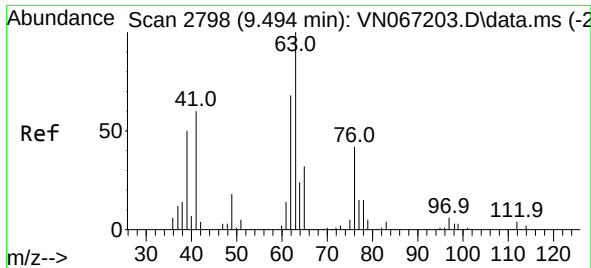
Tgt Ion:117 Resp: 20271
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 2.511 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 43 Resp: 15622
Ion Ratio Lower Upper
43 100
61 16.2 23.4 35.0#
87 11.4 12.2 18.2#

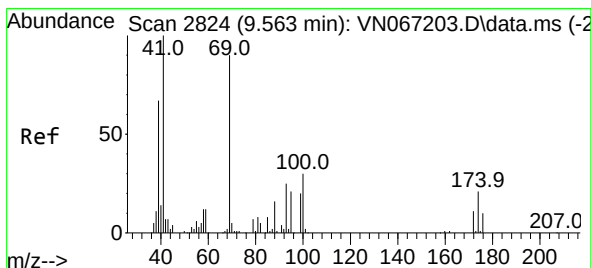
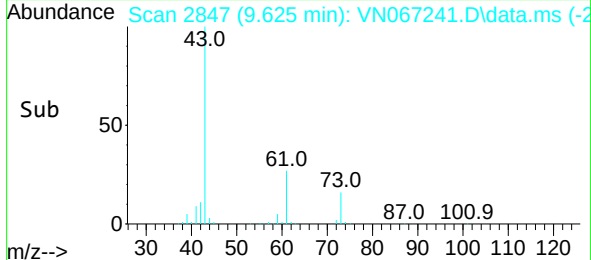
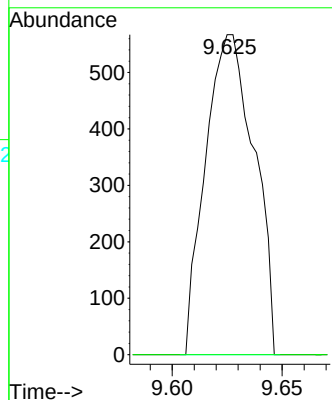
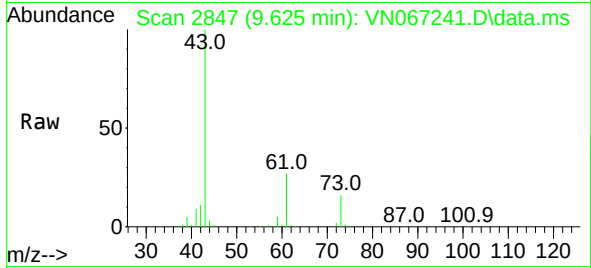




#45
1,2-Dichloropropane
Concen: 0.333 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

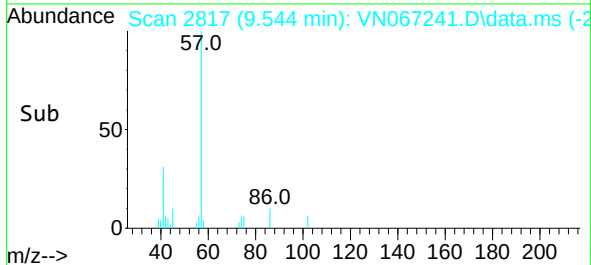
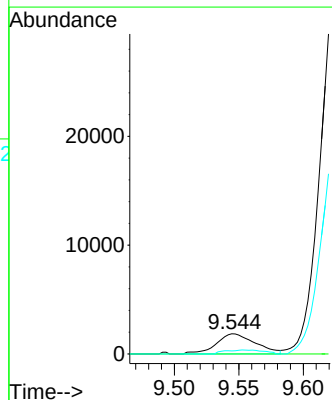
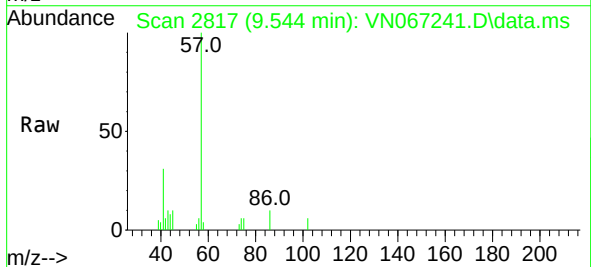
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC3

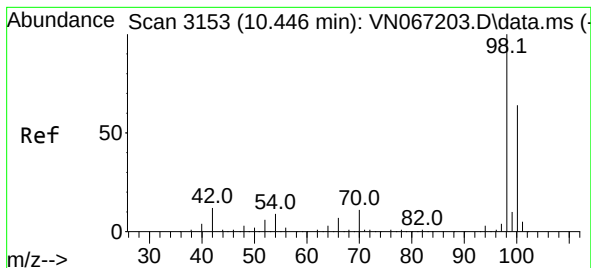
Tgt Ion: 63 Resp: 873
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.449 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.019 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 41 Resp: 3908
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#

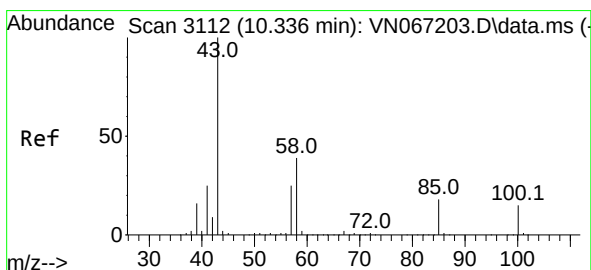
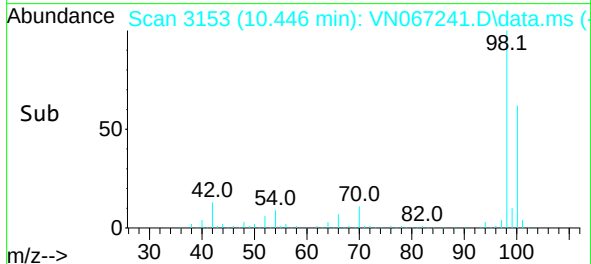
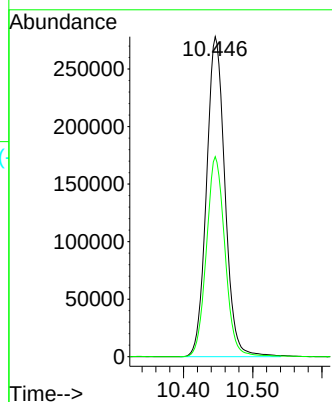
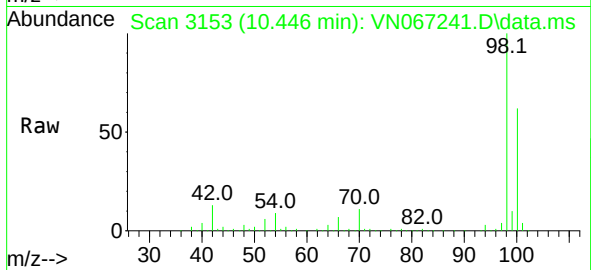




#50
Toluene-d8
Concen: 55.576 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

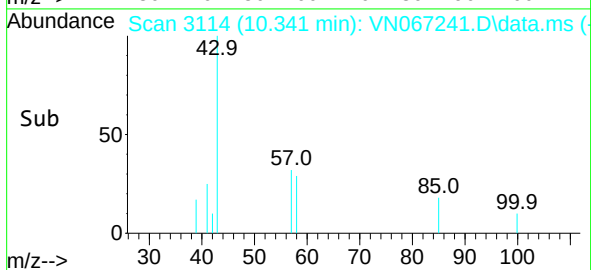
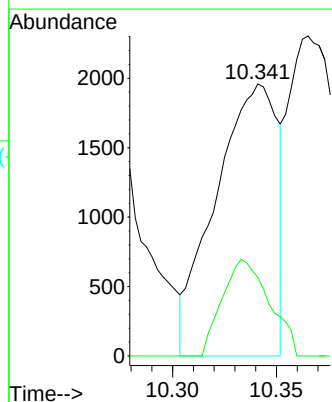
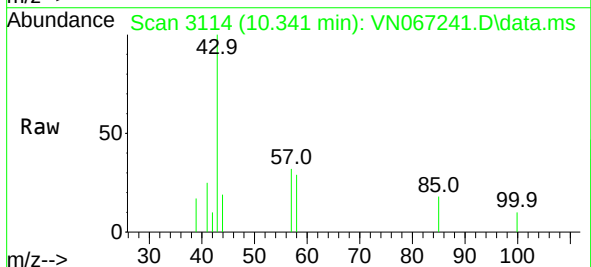
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

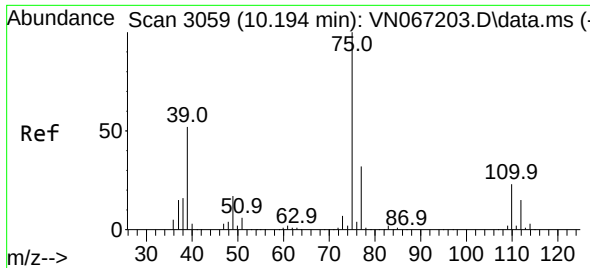
Tgt Ion: 98 Resp: 515752
Ion Ratio Lower Upper
98 100
100 62.9 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.112 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.005 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 43 Resp: 4055
Ion Ratio Lower Upper
43 100
58 27.1 34.5 51.7#

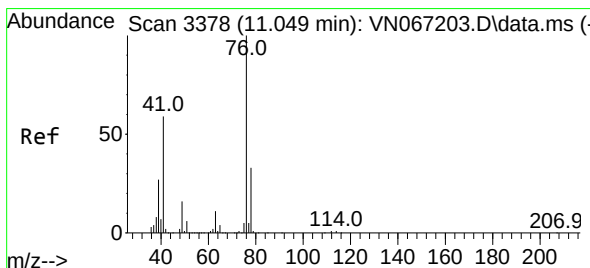
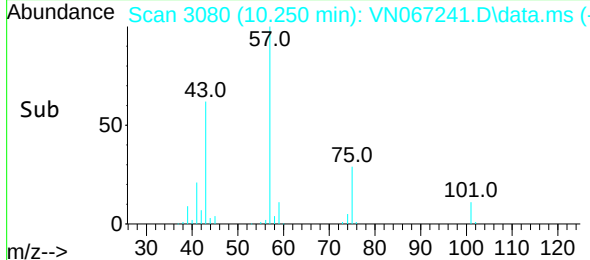
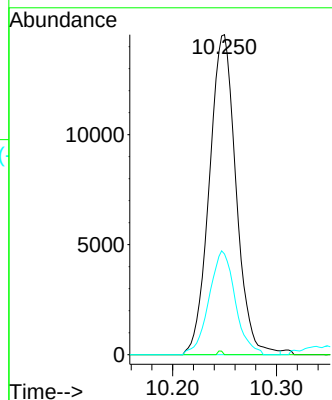
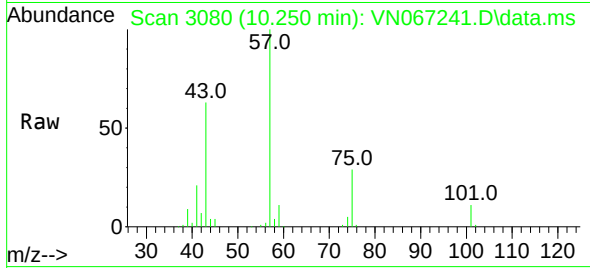




#54
cis-1,3-Dichloropropene
Concen: 5.772 ug/l
RT: 10.250 min Scan# 3080
Delta R.T. 0.056 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

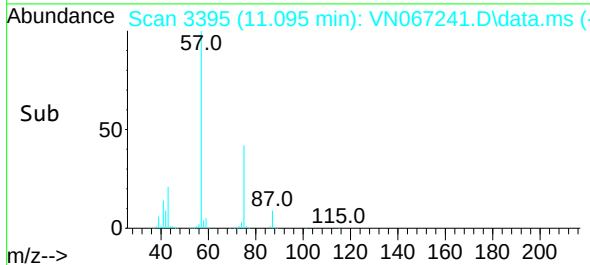
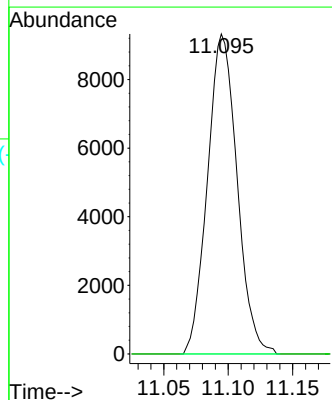
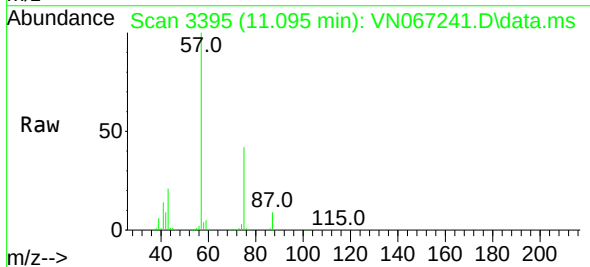
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

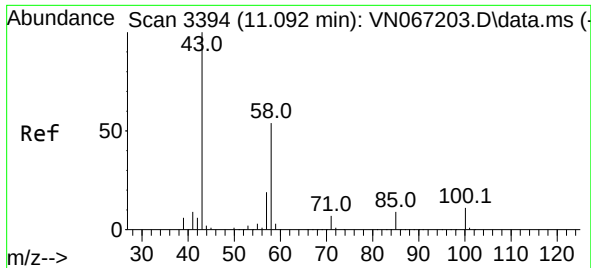
Tgt Ion: 75 Resp: 25947
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 31.5 30.9 46.3



#57
1,3-Dichloropropane
Concen: 3.433 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.045 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 76 Resp: 14922
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

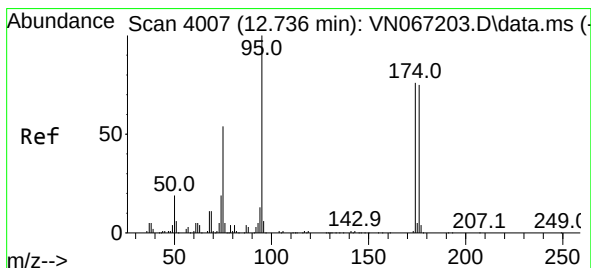
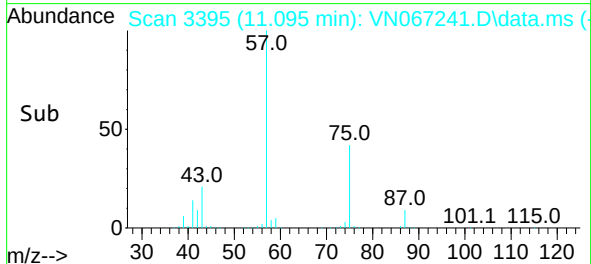
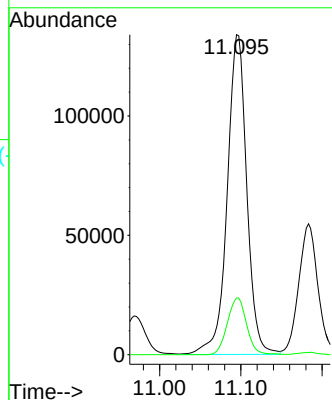
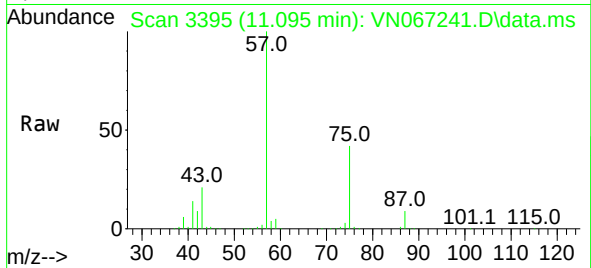




#59
2-Hexanone
Concen: 84.667 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

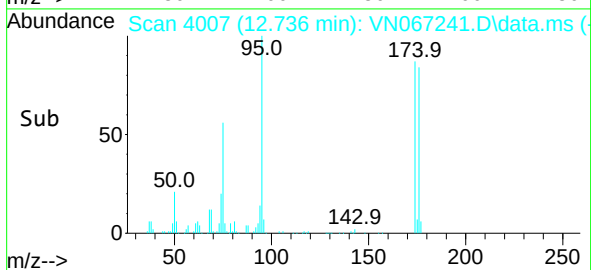
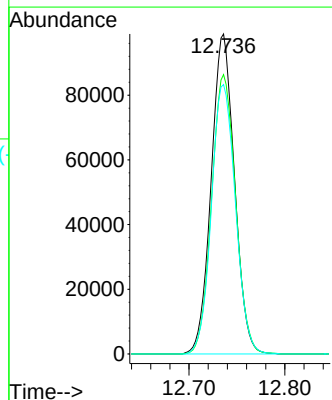
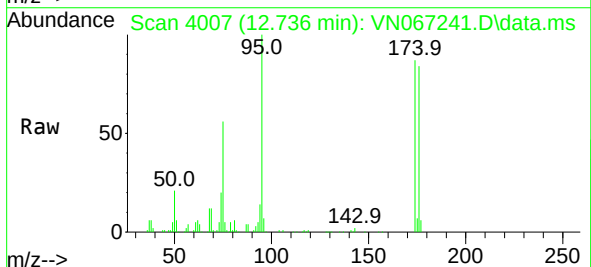
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC3

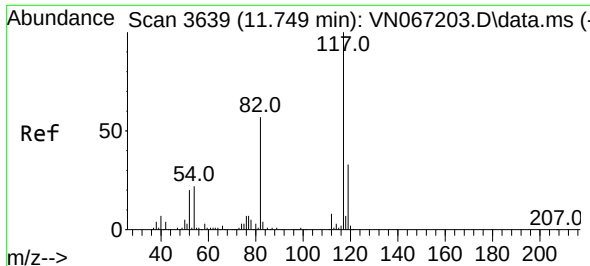
Tgt Ion: 43 Resp: 224382
Ion Ratio Lower Upper
43 100
58 17.5 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 46.658 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion: 95 Resp: 166764
Ion Ratio Lower Upper
95 100
174 89.8 0.0 182.8
176 87.0 0.0 176.6

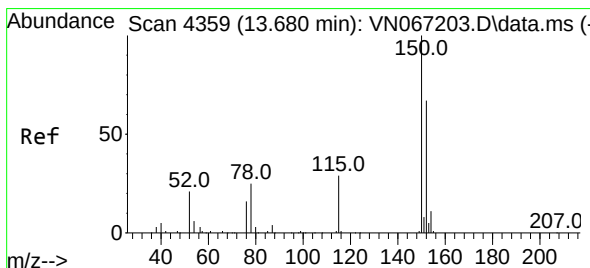
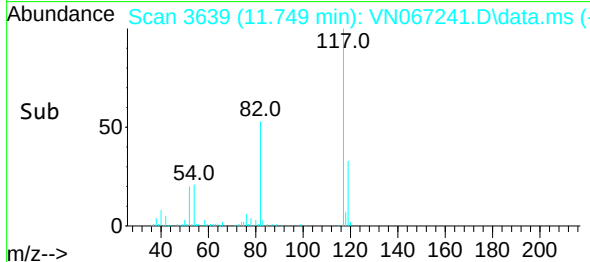
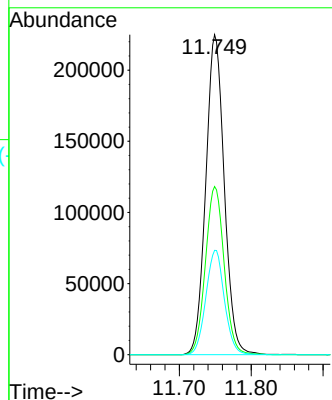
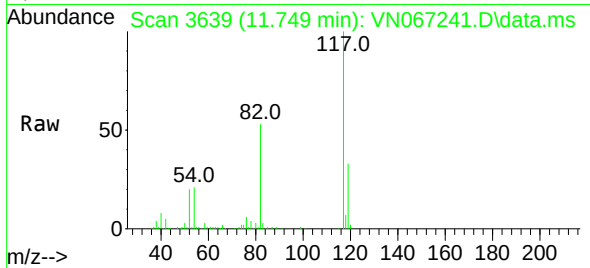




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

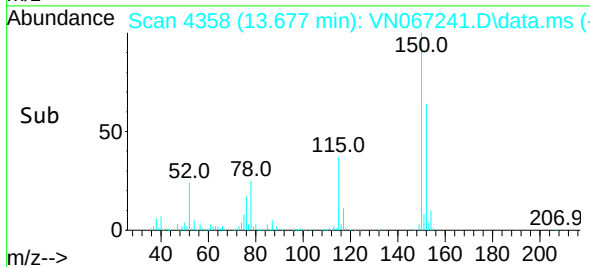
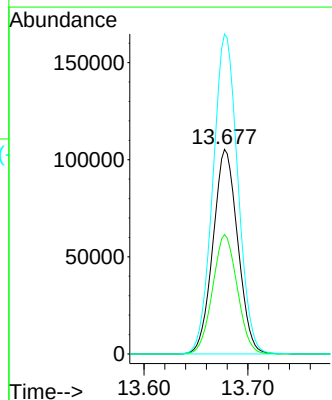
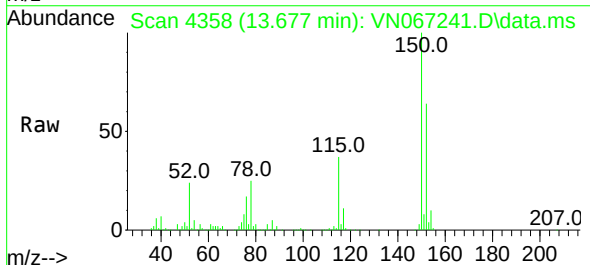
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

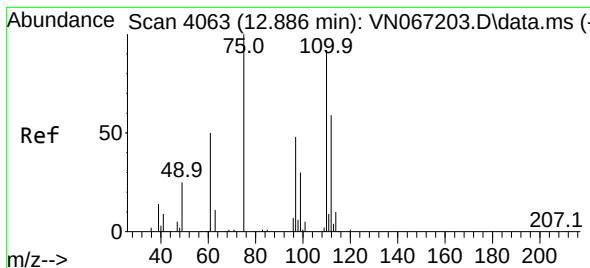
Tgt Ion:117 Resp: 402370
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Tgt Ion:152 Resp: 174606
Ion Ratio Lower Upper
152 100
115 58.1 27.0 80.8
150 157.4 0.0 350.2

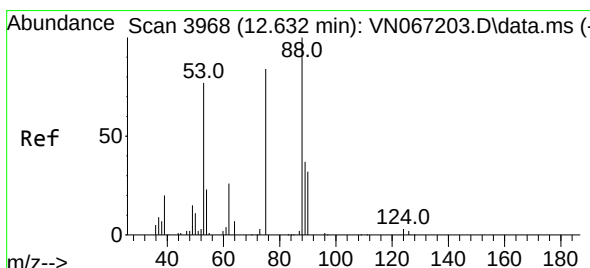
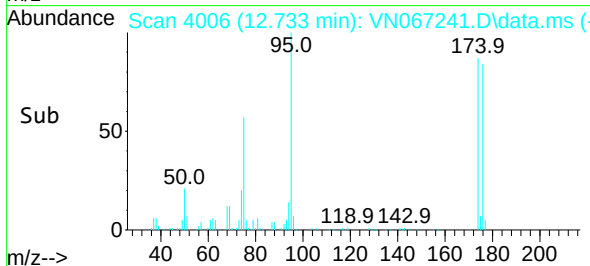
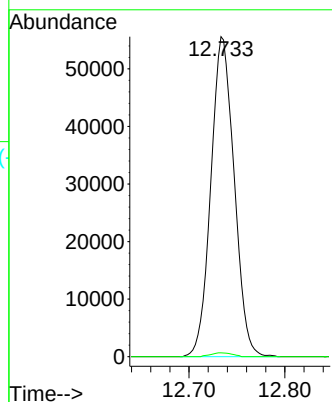
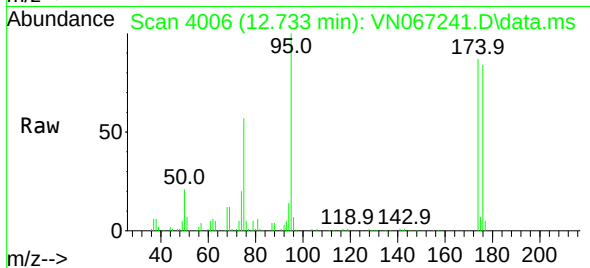




#76
1,2,3-Trichloropropane
Concen: 27.974 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.153 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

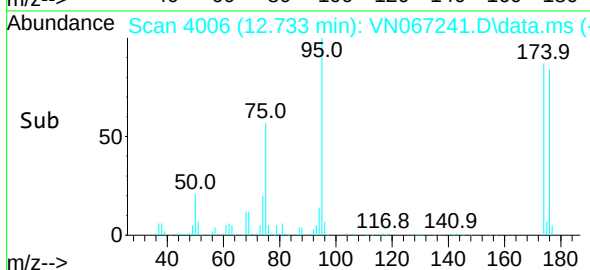
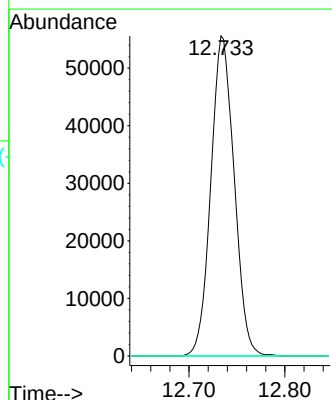
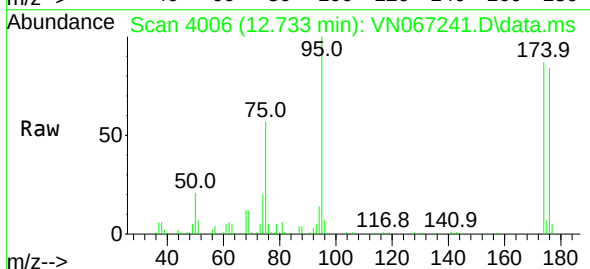
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3

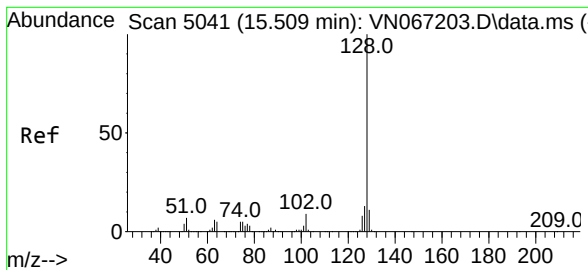
Tgt Ion: 75 Resp: 93932
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.445 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.102 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

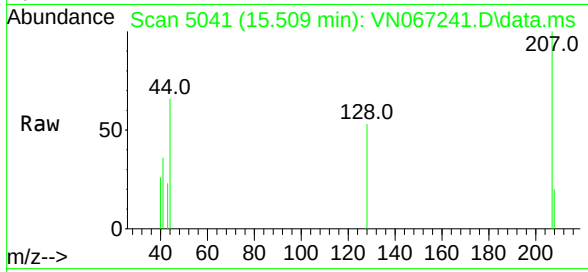
Tgt Ion: 75 Resp: 93932
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 4.488 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067241.D
Acq: 5 Jun 2021 19:33

Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC3



Tgt Ion:128 Resp: 546
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

