

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067861.D
 Acq On : 22 Jul 2021 14:38
 Operator : JC/MD
 Sample : M3120-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 07:13:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

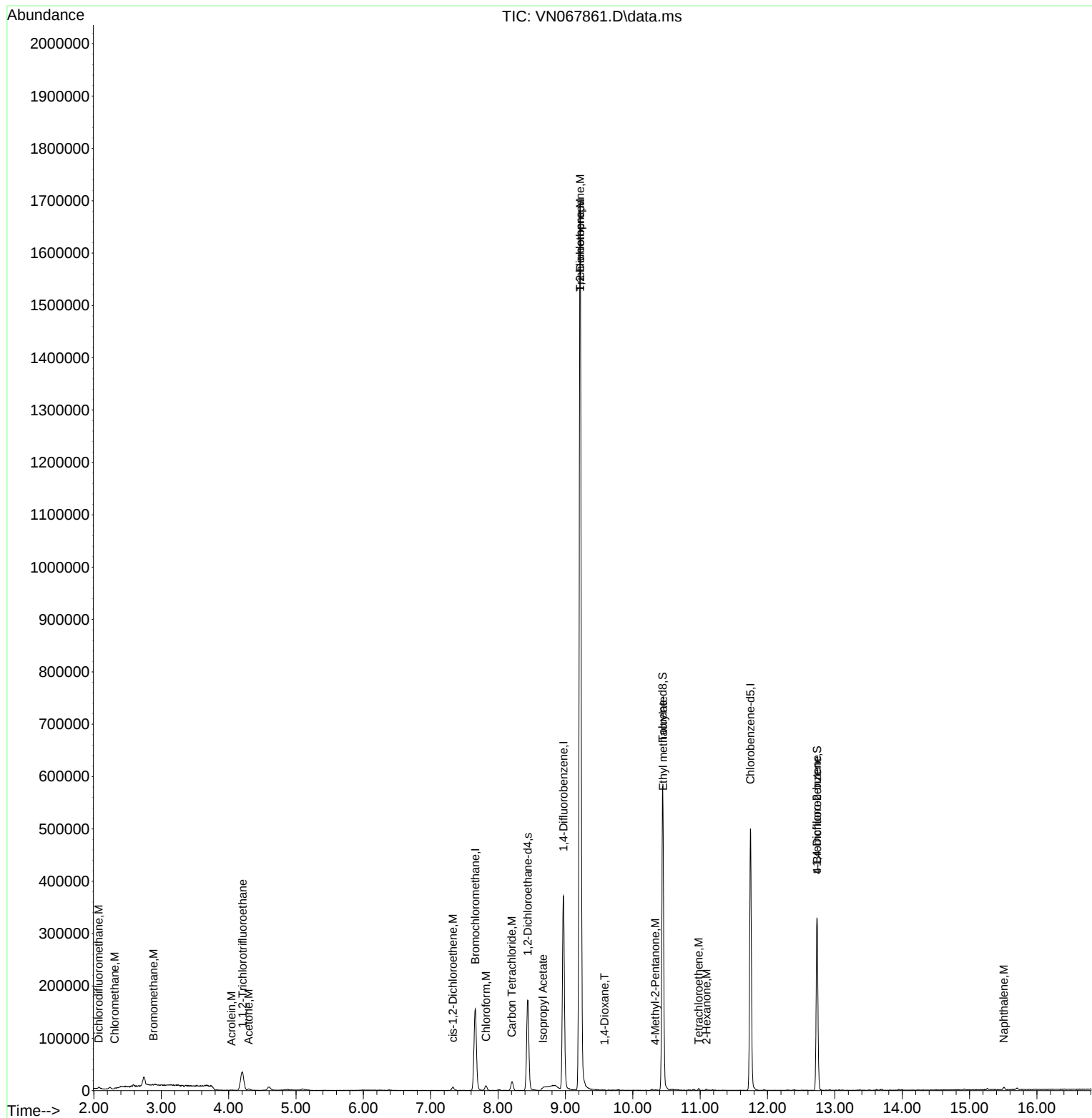
Internal Standards						
1) Bromochloromethane	7.662	128	54798	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	325833	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	287060	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	149812	33.840	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.800%#
60) 4-Bromofluorobenzene	12.736	95	120474	25.842	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.133%
63) Toluene-d8	10.443	98	409206	30.993	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	1004	0.359	ug/l	96
3) Chloromethane	2.309	50	784	0.224	ug/l #	86
5) Bromomethane	2.882	94	1023	0.226	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.207	101	21826	7.605	ug/l	96
13) Acrolein	4.041	56	165	0.434	ug/l #	77
15) Acetone	4.296	58	933	2.359	ug/l #	27
22) cis-1,2-Dichloroethene	7.329	96	1515	0.387	ug/l #	22
25) Chloroform	7.820	83	8595	1.268	ug/l	98
33) Carbon Tetrachloride	8.204	117	12470	2.326	ug/l	91
37) Trichloroethene	9.217	130	579992	146.093	ug/l	100
39) 1,2-Dichloropropane	9.220	63	1338	0.343	ug/l #	1
44) Isopropyl Acetate	8.665	43	2991	0.344	ug/l #	50
45) 1,4-Dioxane	9.579	88	175	2.659	ug/l #	1
51) Ethyl methacrylate	10.451	69	1326	0.213	ug/l #	71
58) 4-Methyl-2-Pentanone	10.333	43	1260	0.256	ug/l #	64
59) 2-Hexanone	11.095	43	1901	0.550	ug/l #	59
61) Tetrachloroethene	10.977	164	735	0.208	ug/l #	59
77) t-1,4-Dichloro-2-butene	12.733	75	68356	47.269	ug/l #	4
91) Naphthalene	15.507	128	2148	0.223	ug/l #	70

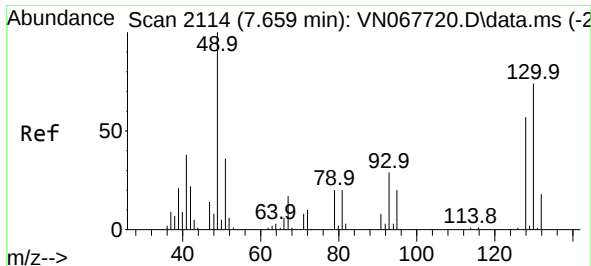
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
Data File : VN067861.D
Acq On : 22 Jul 2021 14:38
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Sample : M3120-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 24 07:13:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
Response via : Initial Calibration

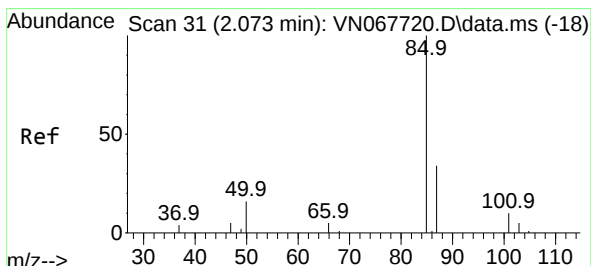
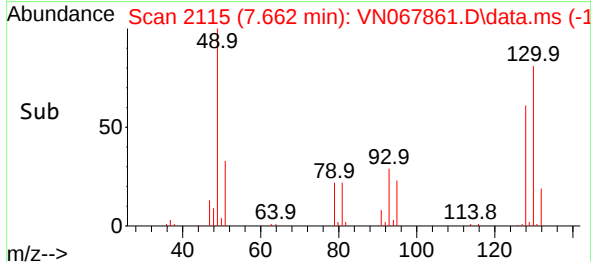
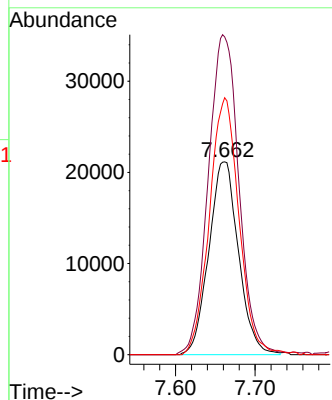
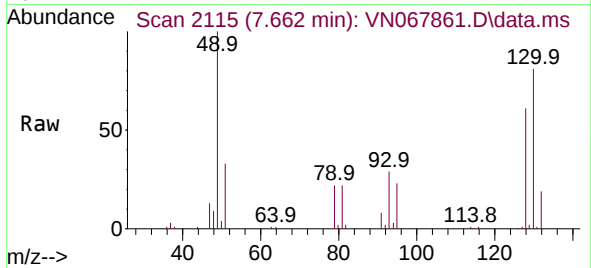




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

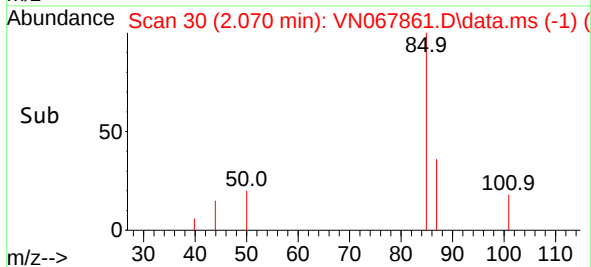
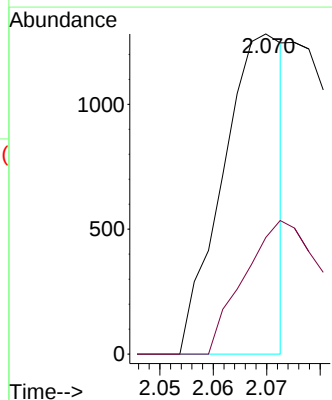
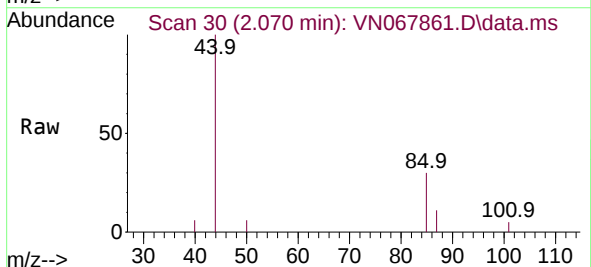
Instrument :
MSVOA_N
ClientSampled :

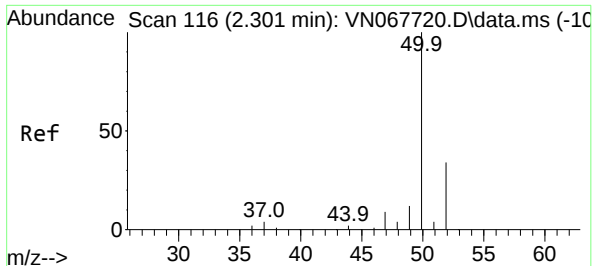
Tgt Ion:128 Resp: 54798
Ion Ratio Lower Upper
128 100
49 171.0 0.0 433.0
130 132.2 0.0 323.8



#2
Dichlorodifluoromethane
Concen: 0.359 ug/l
RT: 2.070 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 85 Resp: 1004
Ion Ratio Lower Upper
85 100
87 36.4 17.0 50.9

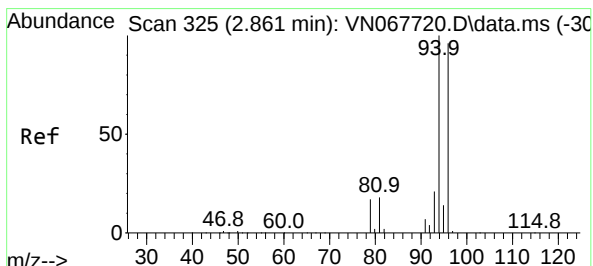
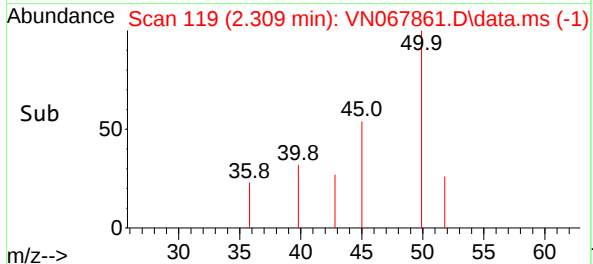
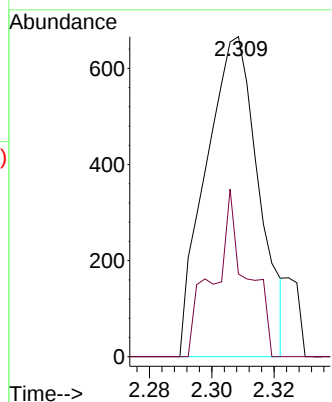
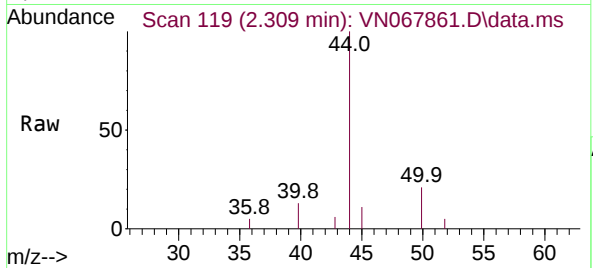




#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

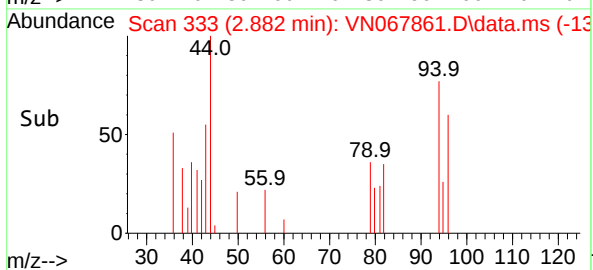
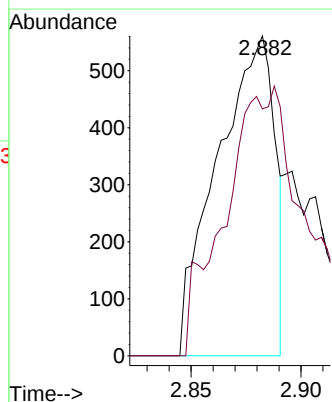
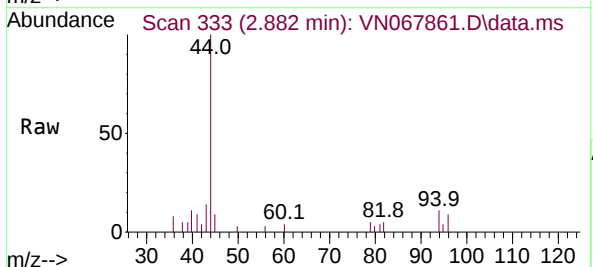
Instrument :
MSVOA_N
ClientSampled :

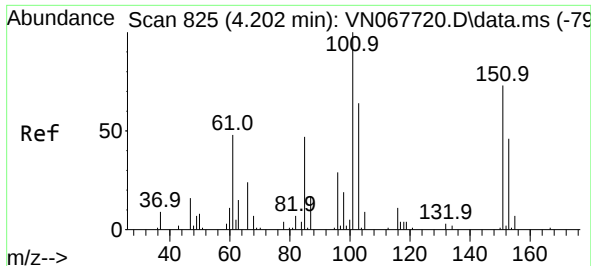
Tgt Ion: 50 Resp: 784
Ion Ratio Lower Upper
50 100
52 25.8 27.2 40.8#



#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.882 min Scan# 333
Delta R.T. 0.021 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 94 Resp: 1023
Ion Ratio Lower Upper
94 100
96 77.2 76.9 115.3

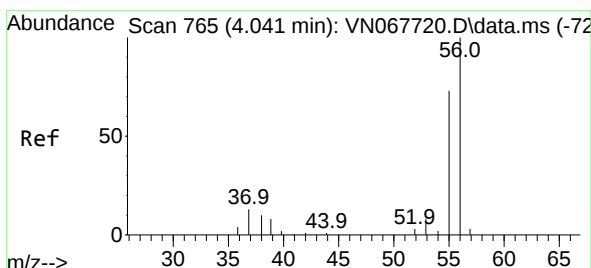
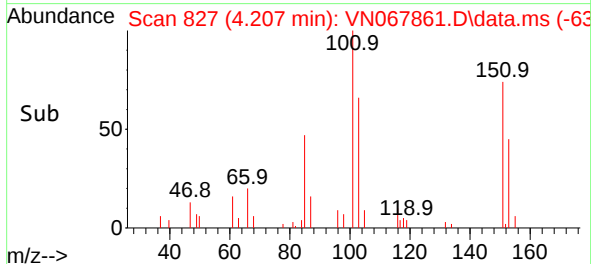
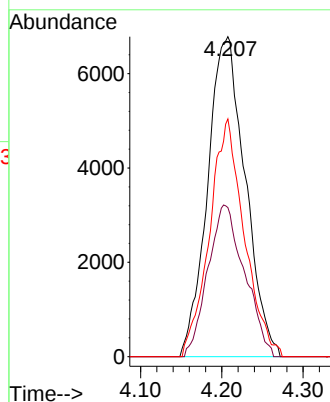
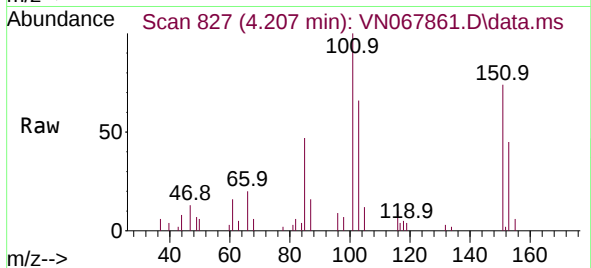




#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.605 ug/l
RT: 4.207 min Scan# 827
Delta R.T. 0.005 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

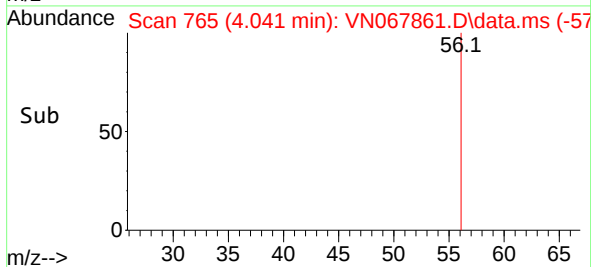
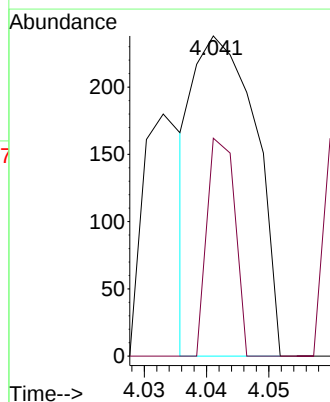
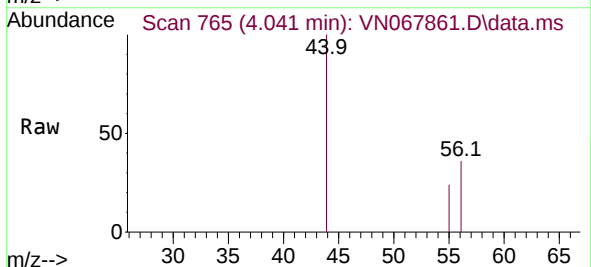
Instrument :
MSVOA_N
ClientSampled :

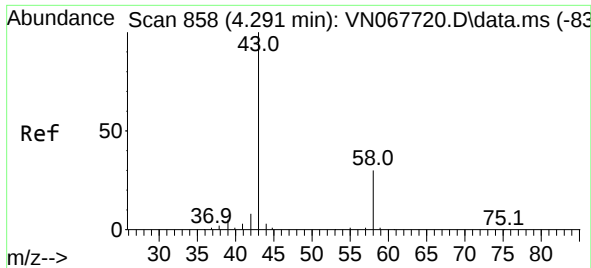
Tgt Ion:101 Resp: 21826
Ion Ratio Lower Upper
101 100
85 46.2 0.0 98.0
151 68.2 0.0 143.8



#13
Acrolein
Concen: 0.434 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.000 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 30.3 0.2 0.2#

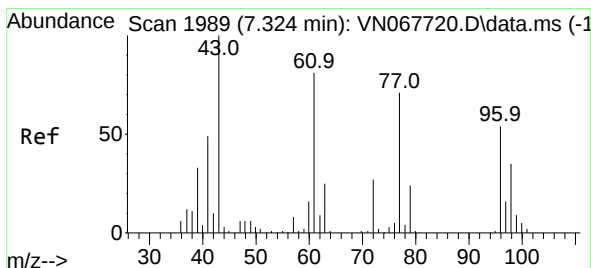
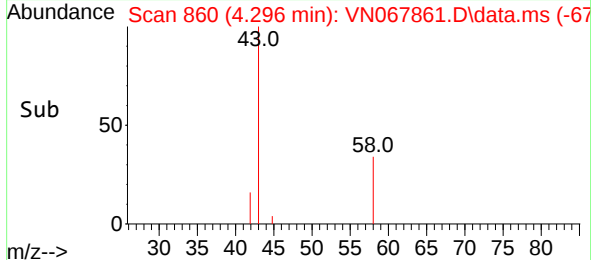
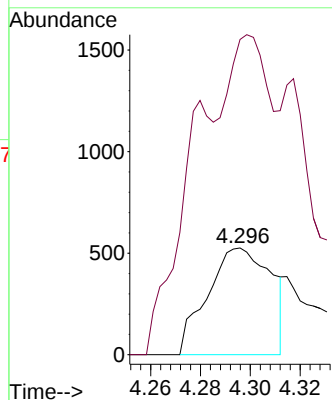
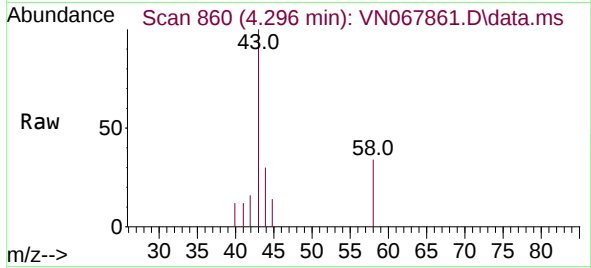




#15
Acetone
Concen: 2.359 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

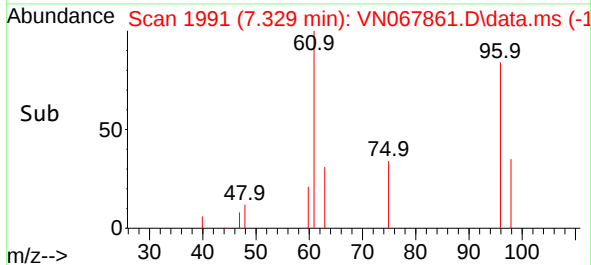
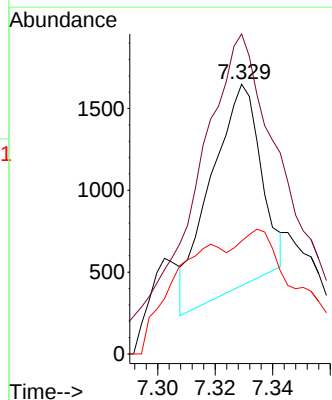
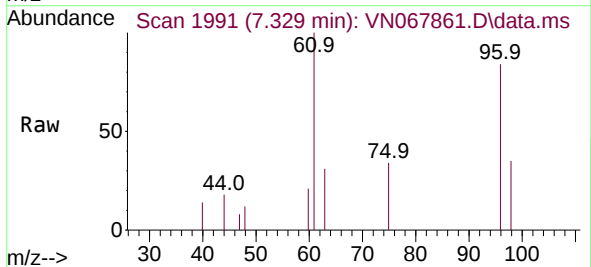
Instrument :
MSVOA_N
ClientSampled :

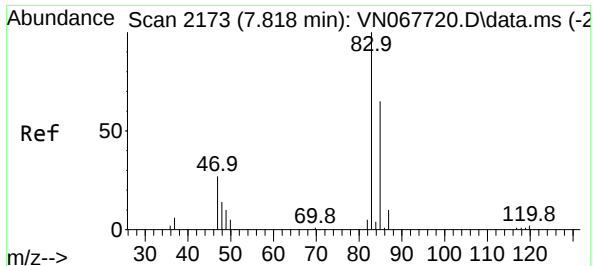
Tgt Ion: 58 Resp: 933
Ion Ratio Lower Upper
58 100
43 180.6 268.2 402.4#



#22
cis-1,2-Dichloroethene
Concen: 0.387 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.005 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 96 Resp: 1515
Ion Ratio Lower Upper
96 100
61 289.6 121.2 181.8#
98 59.3 51.8 77.8



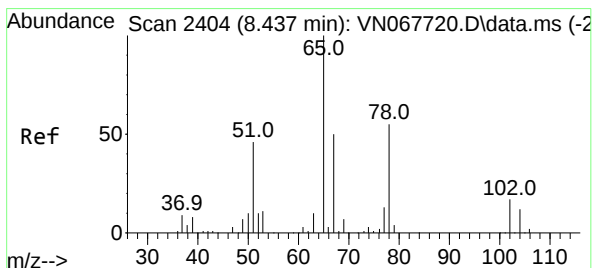
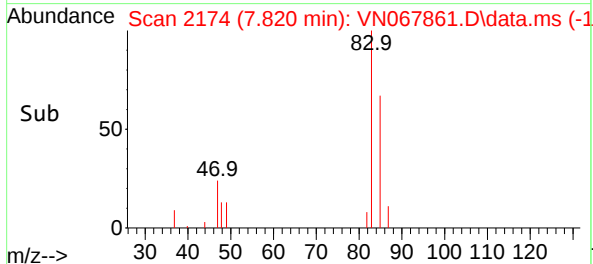
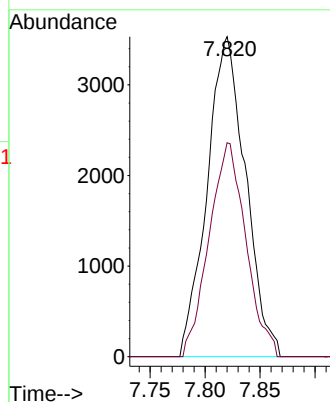
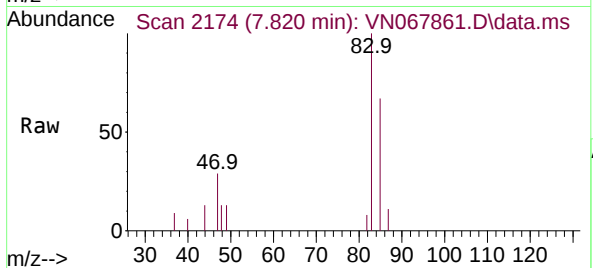


#25

Chloroform
Concen: 1.268 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.002 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Instrument :
MSVOA_N
ClientSampled :

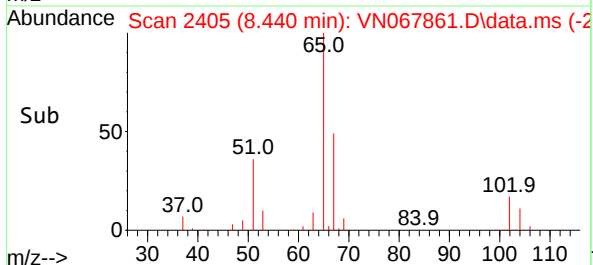
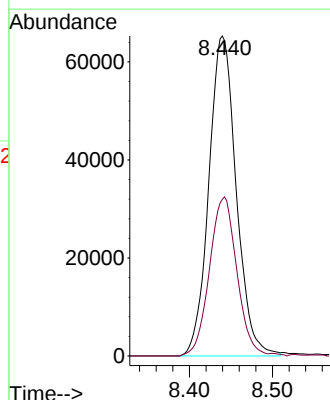
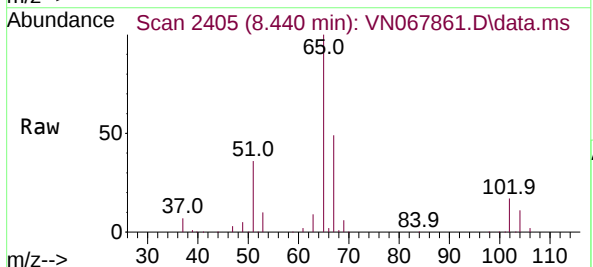
Tgt Ion: 83 Resp: 8595
Ion Ratio Lower Upper
83 100
85 66.9 52.3 78.5

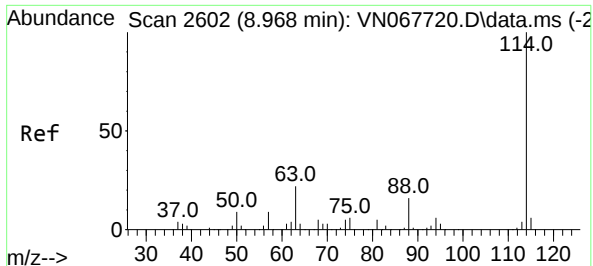


#27

1,2-Dichloroethane-d4
Concen: 33.840 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.002 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 65 Resp: 149812
Ion Ratio Lower Upper
65 100
67 49.4 40.6 60.8



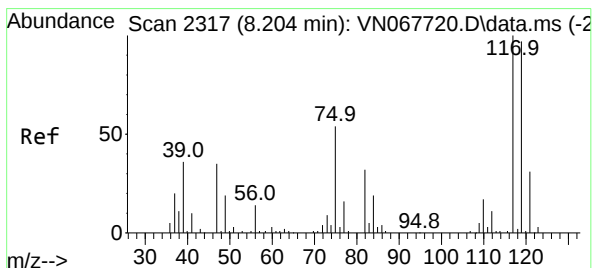
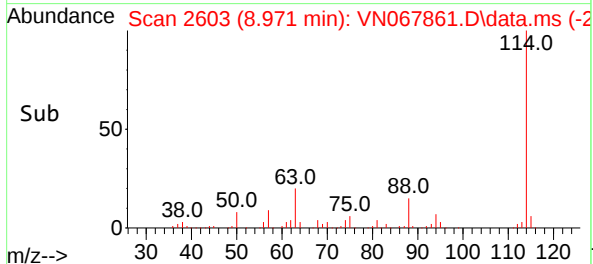
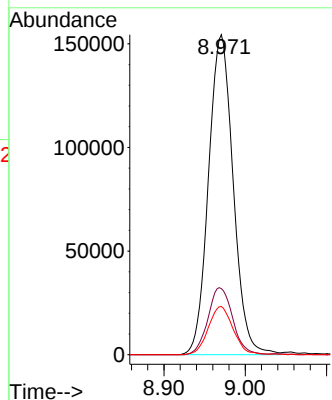
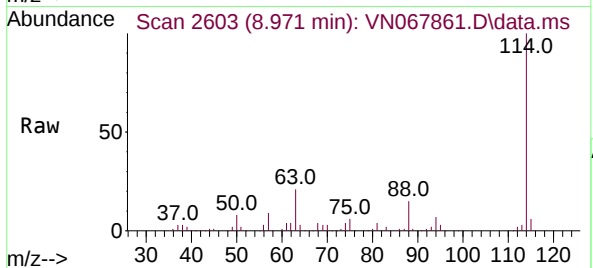


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.002 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Instrument :
MSVOA_N
ClientSampleId :

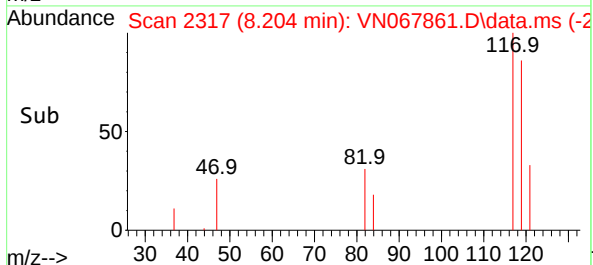
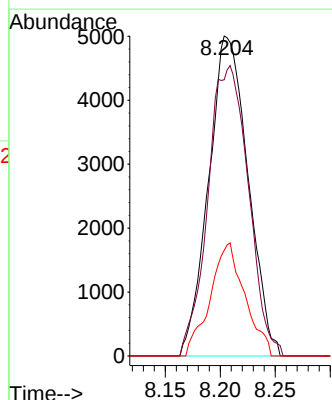
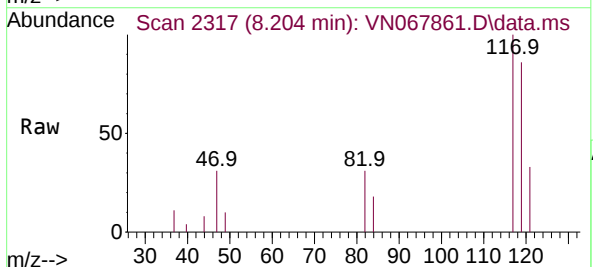
Tgt Ion:114 Resp: 325833
Ion Ratio Lower Upper
114 100
63 21.0 17.2 25.8
88 15.1 12.4 18.6

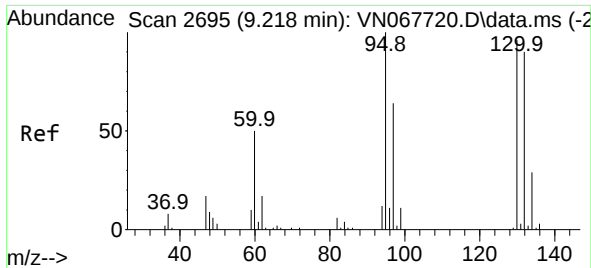


#33

Carbon Tetrachloride
Concen: 2.326 ug/l
RT: 8.204 min Scan# 2317
Delta R.T. -0.000 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion:117 Resp: 12470
Ion Ratio Lower Upper
117 100
119 86.3 77.6 116.4
121 33.0 24.6 36.8

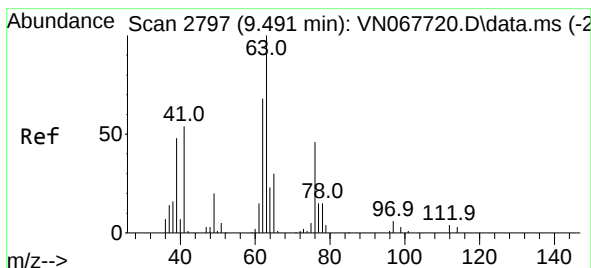
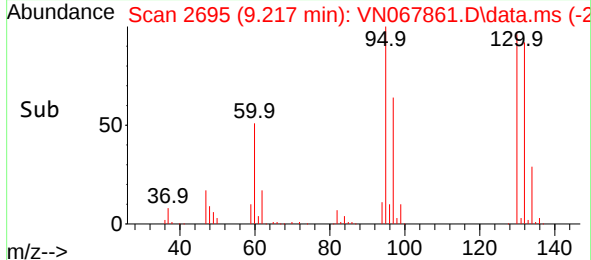
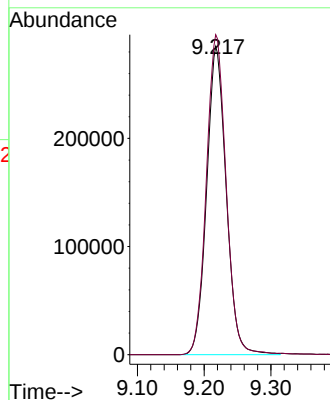
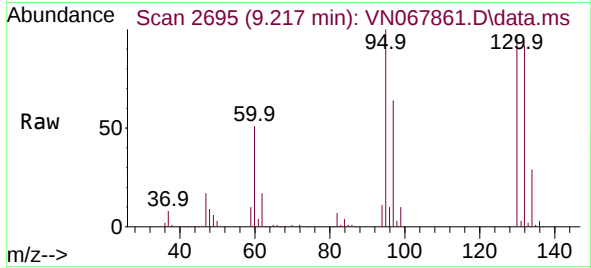




#37
Trichloroethene
Concen: 146.093 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.000 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

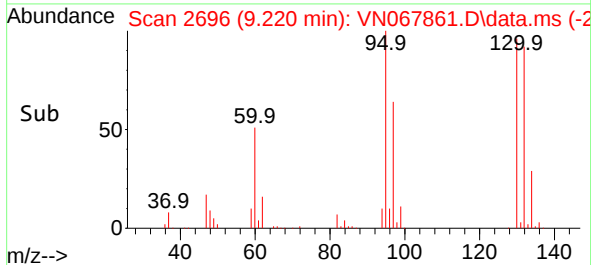
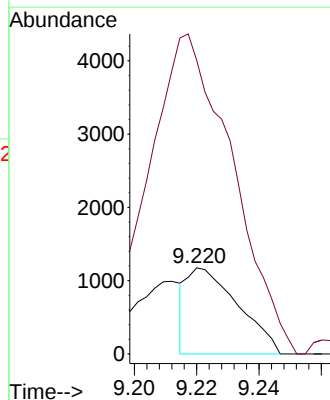
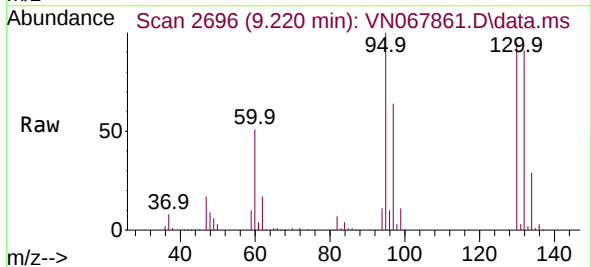
Instrument :
MSVOA_N
ClientSampled :

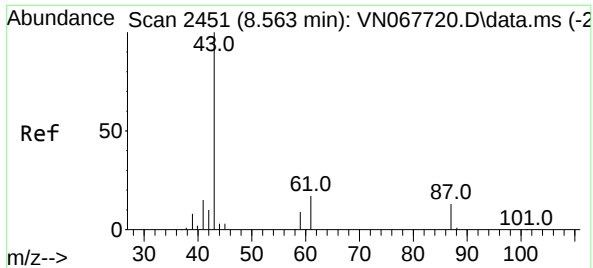
Tgt Ion:130 Resp: 579992
Ion Ratio Lower Upper
130 100
95 103.9 83.2 124.8



#39
1,2-Dichloropropane
Concen: 0.343 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.271 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 63 Resp: 1338
Ion Ratio Lower Upper
63 100
65 305.5 24.3 36.5#

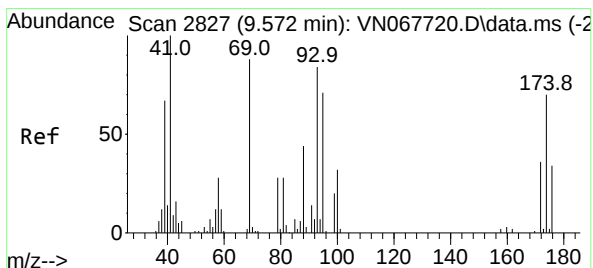
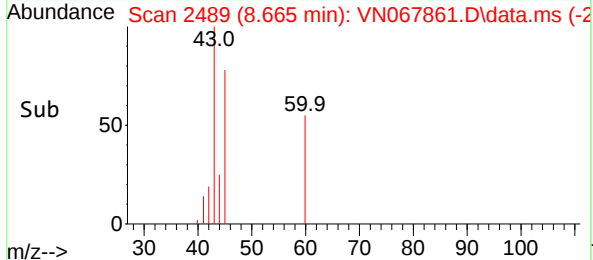
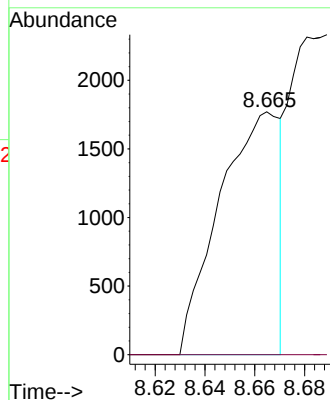
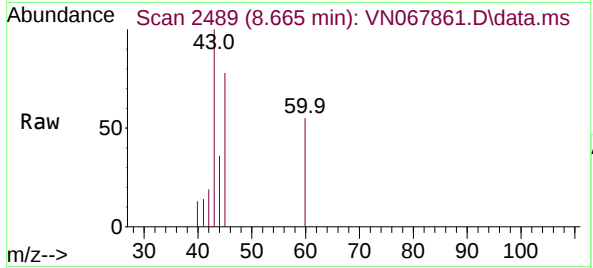




#44
Isopropyl Acetate
Concen: 0.344 ug/l
RT: 8.665 min Scan# 2489
Delta R.T. 0.102 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

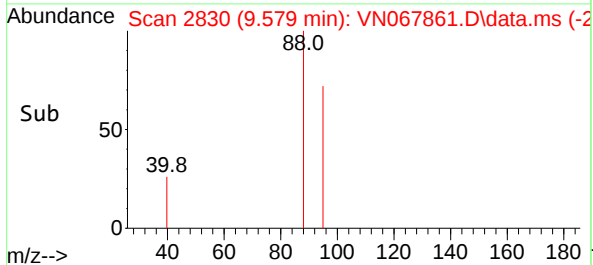
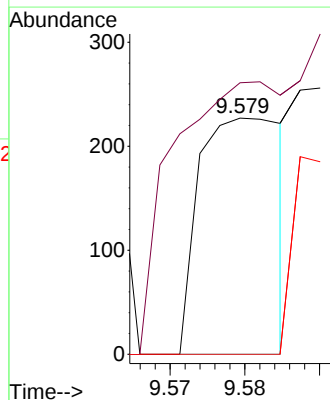
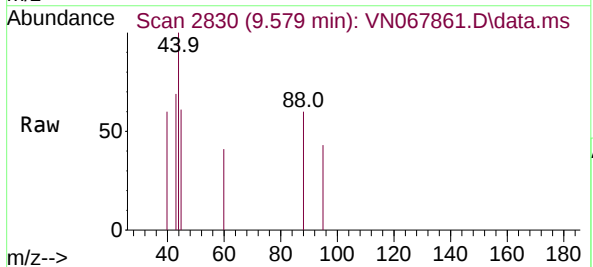
Instrument :
MSVOA_N
ClientSampled :

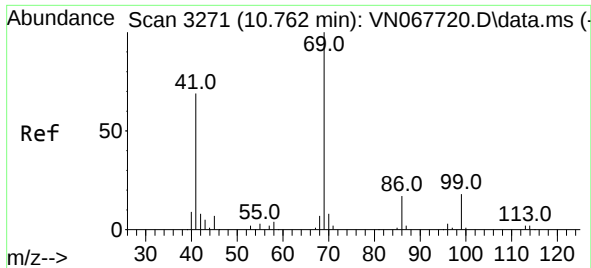
Tgt Ion: 43 Resp: 2991
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#



#45
1,4-Dioxane
Concen: 2.659 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.008 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 88 Resp: 175
Ion Ratio Lower Upper
88 100
43 150.3 26.9 40.3#
58 0.0 52.2 78.4#

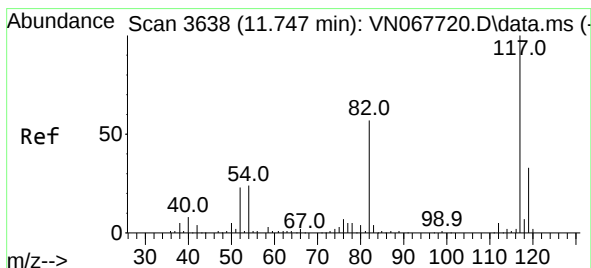
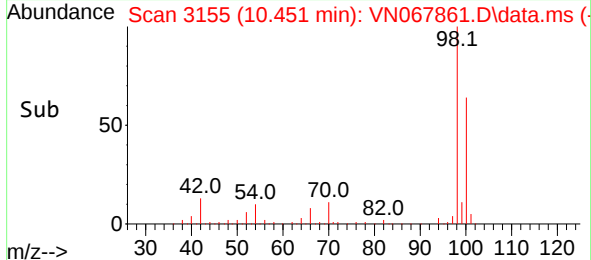
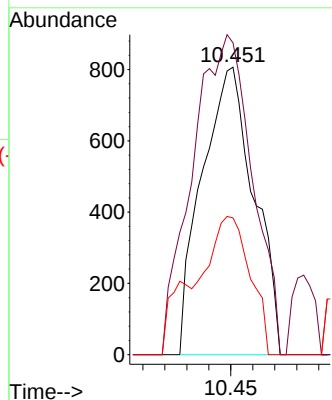
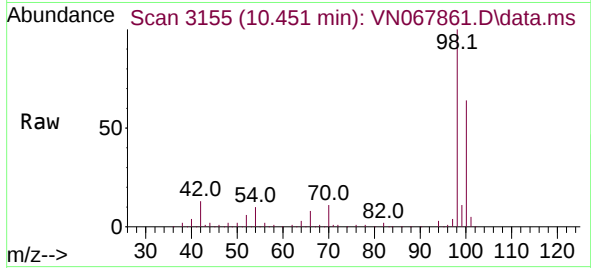




#51
Ethyl methacrylate
Concen: 0.213 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.311 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

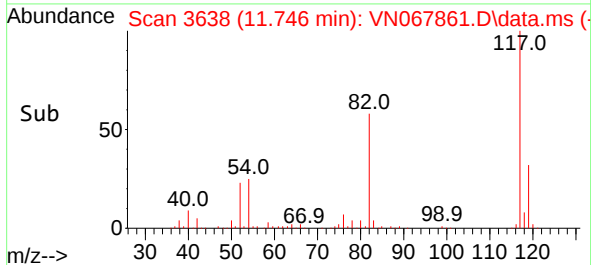
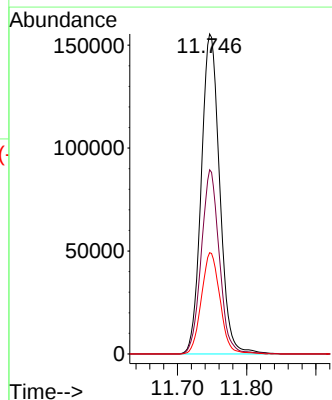
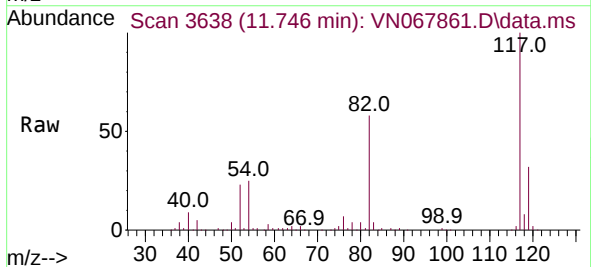
Instrument :
MSVOA_N
ClientSampled :

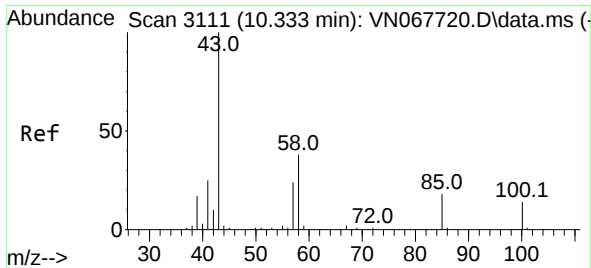
Tgt Ion: 69 Resp: 1326
Ion Ratio Lower Upper
69 100
41 108.4 34.3 102.9#
39 47.6 23.7 71.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 117 Resp: 287060
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 32.0 25.7 38.5

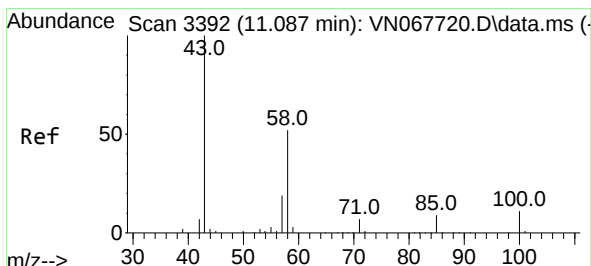
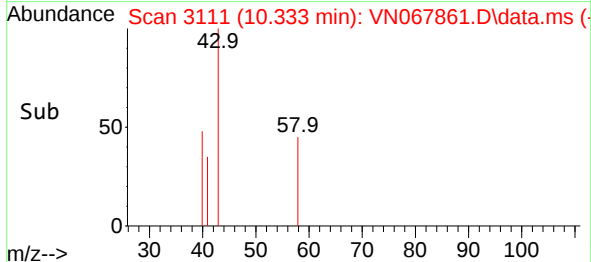
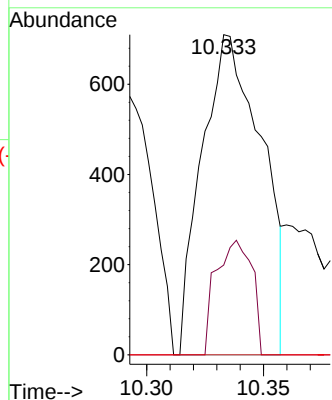
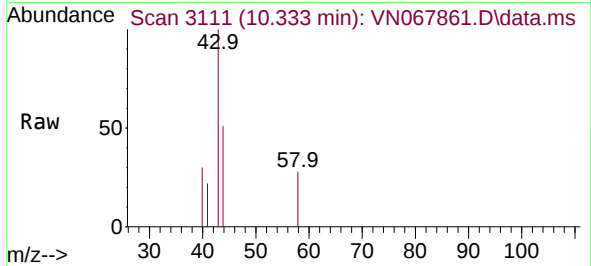




#58
4-Methyl-2-Pentanone
Concen: 0.256 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

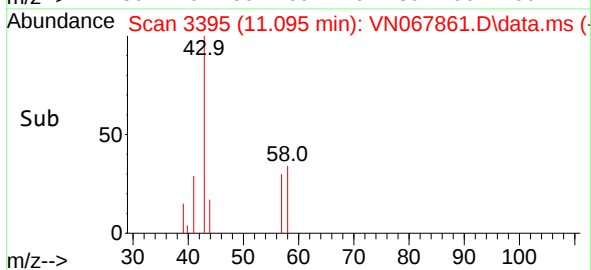
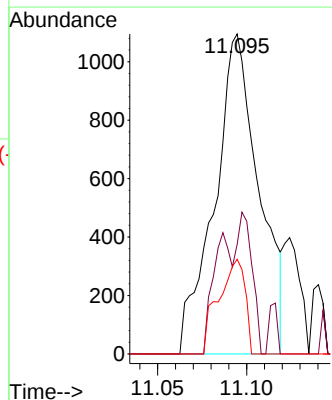
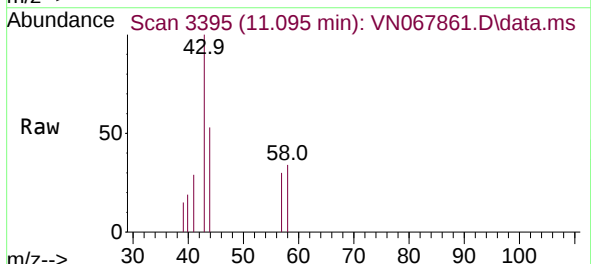
Instrument :
MSVOA_N
ClientSampleId :

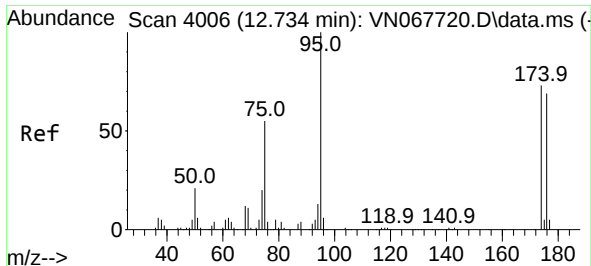
Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
58 16.7 29.9 44.9#
85 0.0 14.1 21.1#



#59
2-Hexanone
Concen: 0.550 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
58 15.4 41.5 62.3#
57 13.2 15.1 22.7#

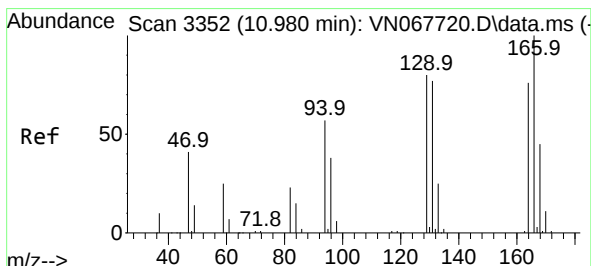
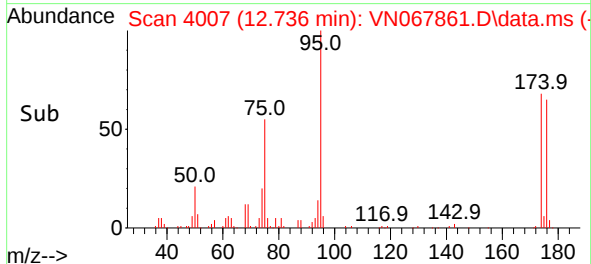
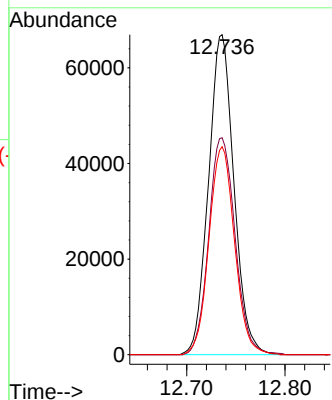
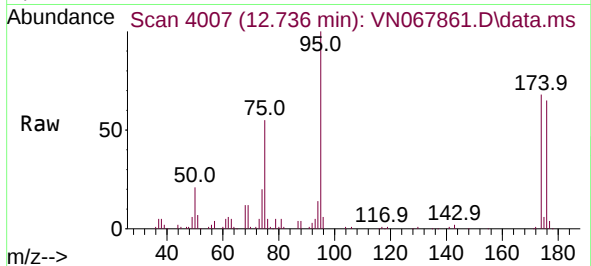




#60
4-Bromofluorobenzene
Concen: 25.842 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

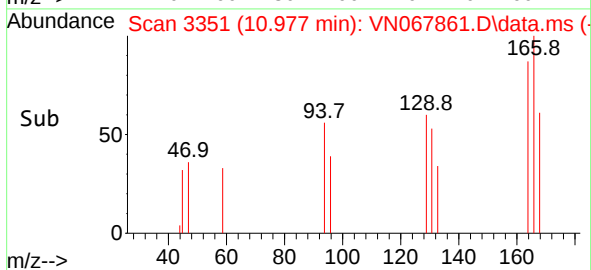
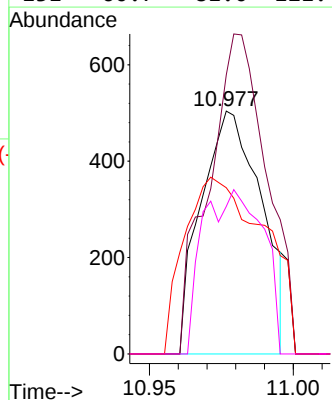
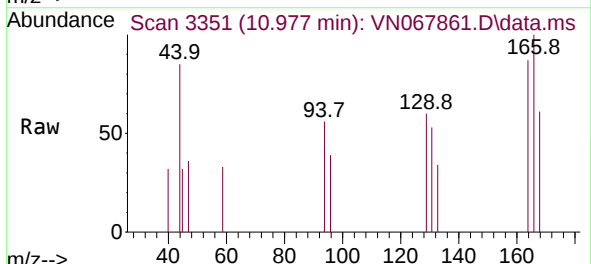
Instrument :
MSVOA_N
ClientSampleId :

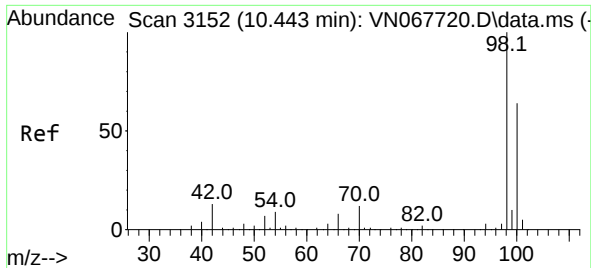
Tgt Ion: 95 Resp: 120474
Ion Ratio Lower Upper
95 100
174 70.2 57.1 85.7
176 65.4 54.6 81.8



#61
Tetrachloroethene
Concen: 0.208 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.003 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Tgt Ion:164 Resp: 735
Ion Ratio Lower Upper
164 100
166 114.9 105.5 158.3
129 28.0 84.5 126.7#
131 60.7 81.0 121.4#

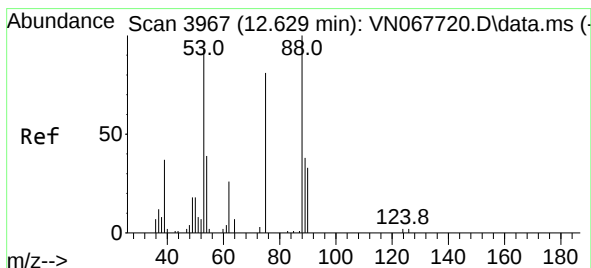
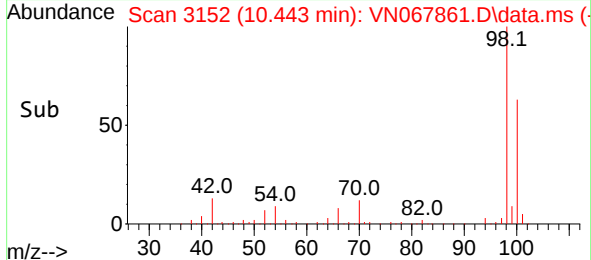
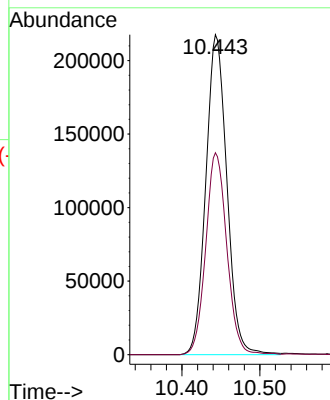
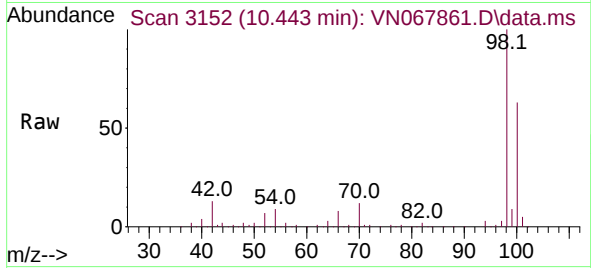




#63
Toluene-d8
Concen: 30.993 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

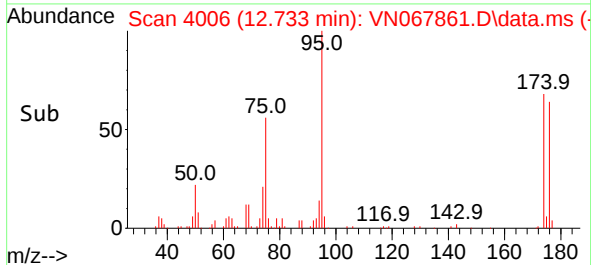
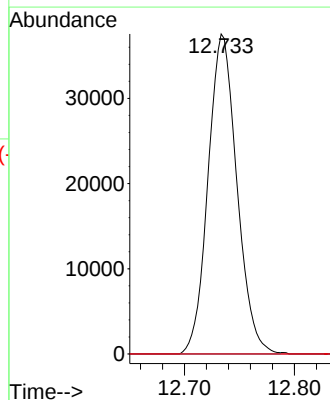
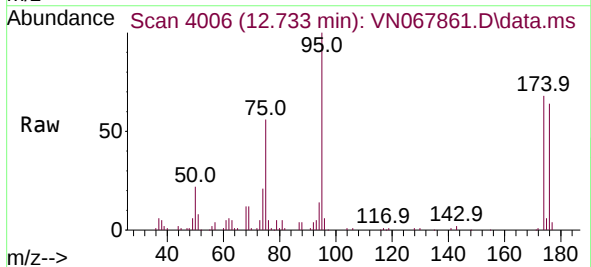
Instrument :
MSVOA_N
ClientSampled :

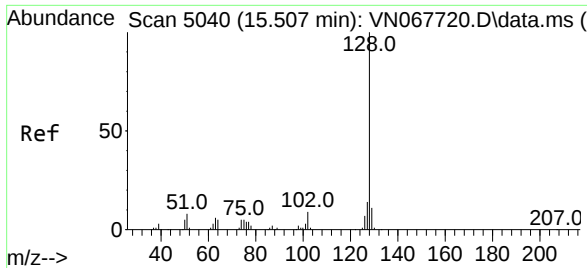
Tgt Ion: 98 Resp: 409206
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 47.269 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

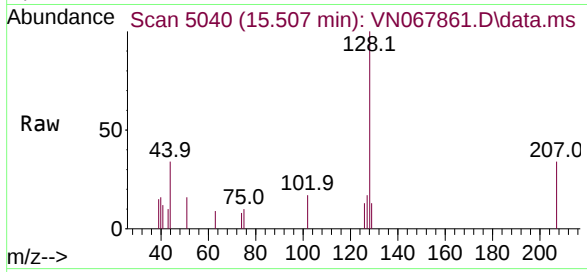
Tgt Ion: 75 Resp: 68356
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#





#91
Naphthalene
Concen: 0.223 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067861.D
Acq: 22 Jul 2021 14:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2148
Ion Ratio Lower Upper
128 100
127 31.3 10.9 16.3#
129 15.6 8.7 13.1#

