

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066892.D
 Acq On : 30 Apr 2021 4:05
 Operator : JC/MD
 Sample : PB136054TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:33:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

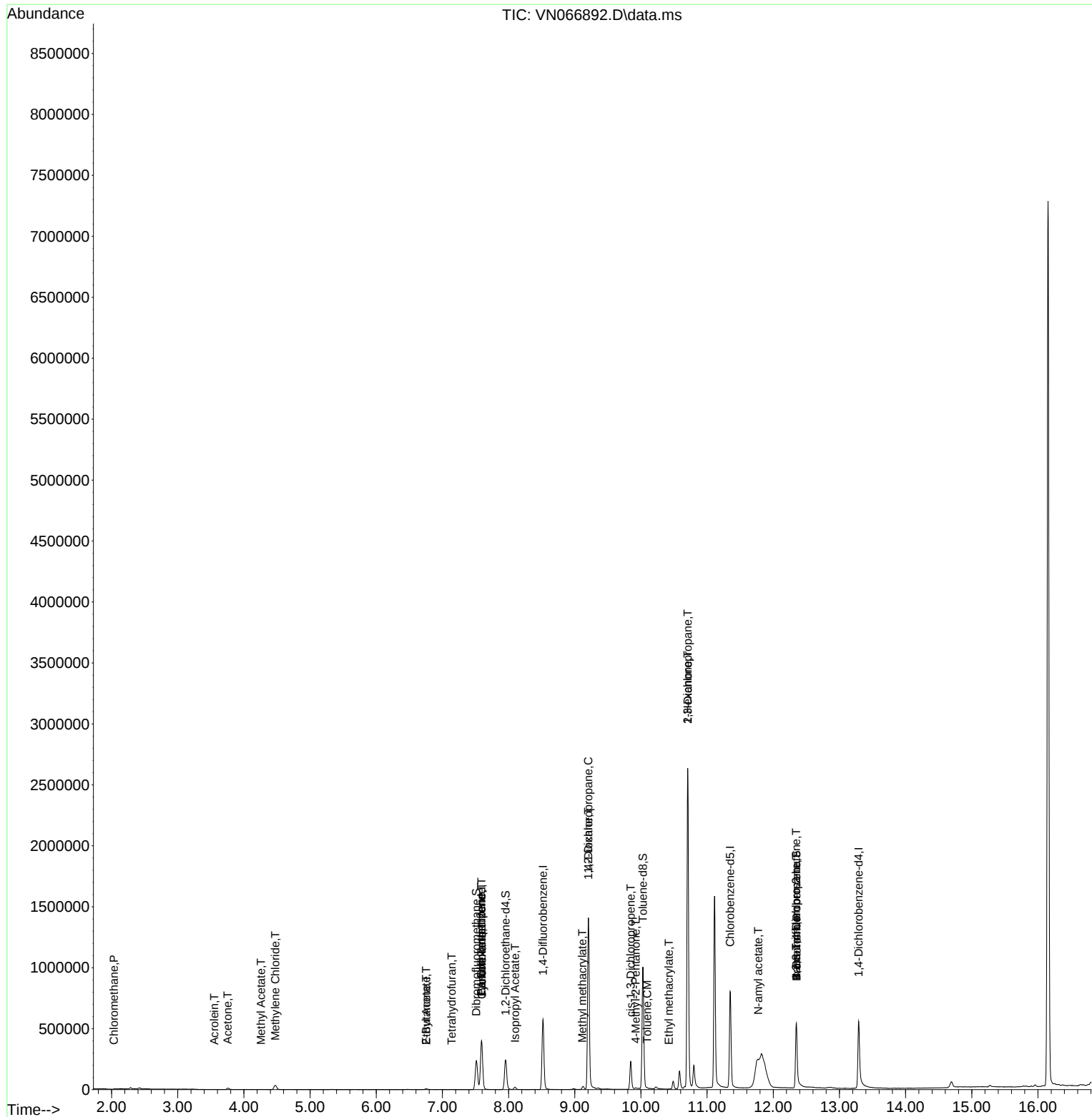
Internal Standards						
1) Pentafluorobenzene	7.591	168	358961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	547337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	505573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	214724	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	211265	45.81	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.62%		
35) Dibromofluoromethane	7.513	113	191948	56.81	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	113.62%		
50) Toluene-d8	10.029	98	732630	55.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.48%		
62) 4-Bromofluorobenzene	12.349	95	233269	51.99	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.98%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1109	0.22	ug/l #	78
13) Acrolein	3.552	56	473	0.80	ug/l #	48
16) Acetone	3.753	43	9099	5.23	ug/l	98
18) Methyl Acetate	4.260	43	2193	1.57	ug/l #	68
20) Methylene Chloride	4.475	84	28727	6.51	ug/l	97
25) 2-Butanone	6.754	43	8564	3.50	ug/l	96
29) Tetrahydrofuran	7.140	42	381	0.23	ug/l #	32
31) Cyclohexane	7.596	56	5574	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	22916	4.51	ug/l #	48
37) Ethyl Acetate	6.754	43	8564	1.59	ug/l #	68
38) Carbon Tetrachloride	7.591	117	30268	6.21	ug/l #	17
43) Isopropyl Acetate	8.098	43	24549	2.86	ug/l #	91
45) 1,2-Dichloropropane	9.206	63	1927	0.46	ug/l #	44
48) Methyl methacrylate	9.114	41	5607	1.50	ug/l #	11
49) 1,4-Dioxane	9.203	88	50	0.89	ug/l #	26
51) 4-Methyl-2-Pentanone	9.922	43	7239	1.55	ug/l	97
52) Toluene	10.093	92	2193	0.23	ug/l	84
54) cis-1,3-Dichloropropene	9.847	75	46136	7.13	ug/l #	59
56) Ethyl methacrylate	10.420	69	113	3.19	ug/l #	27
57) 1,3-Dichloropropane	10.707	76	28889	4.63	ug/l #	43
59) 2-Hexanone	10.707	43	351315	107.76	ug/l #	52
71) Bromoform	12.351	173	1248	0.45	ug/l #	1
74) N-amyl acetate	11.772	43	37504	10.09	ug/l #	48
76) 1,2,3-Trichloropropane	12.346	75	100078	22.11	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	100078	60.11	ug/l #	12

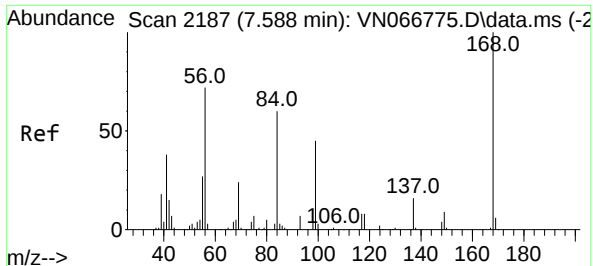
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
Data File : VN066892.D
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 30 06:33:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 27 16:02:50 2021
Response via : Initial Calibration

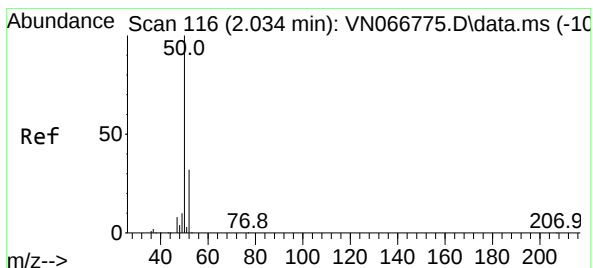
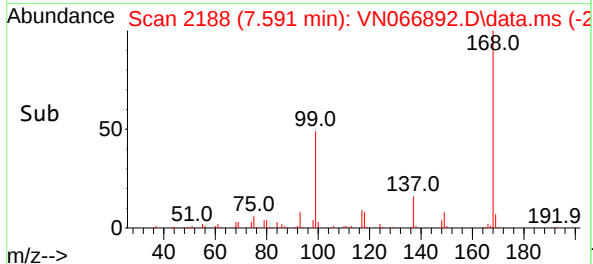
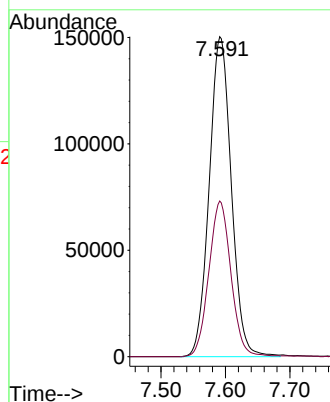
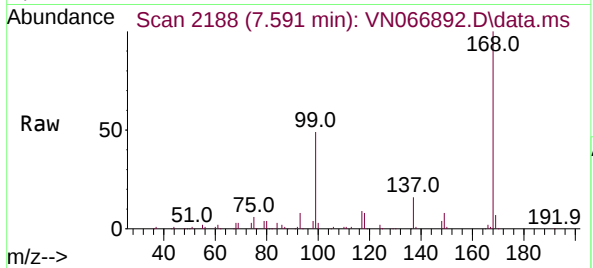




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

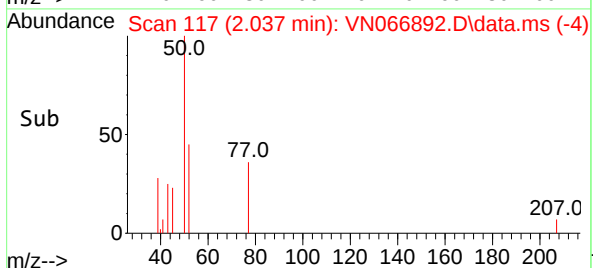
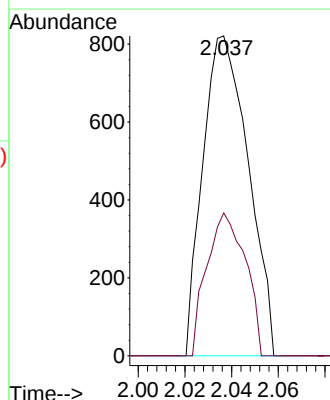
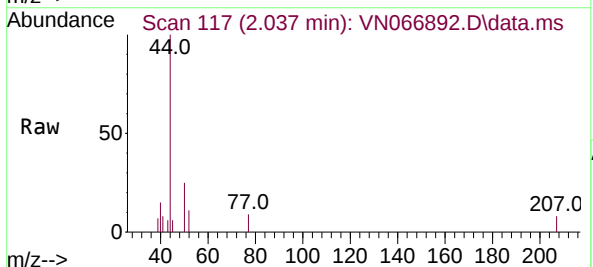
Instrument :
MSVOA_N
ClientSampled :

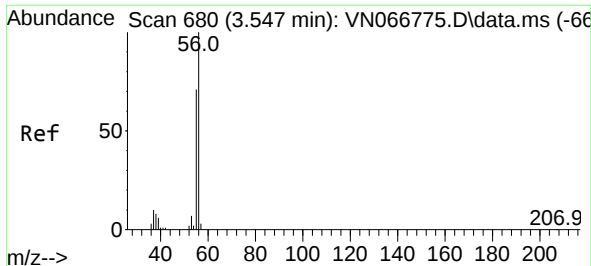
Tgt Ion:168 Resp: 358961
Ion Ratio Lower Upper
168 100
99 48.7 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 50 Resp: 1109
Ion Ratio Lower Upper
50 100
52 44.7 25.8 38.8#

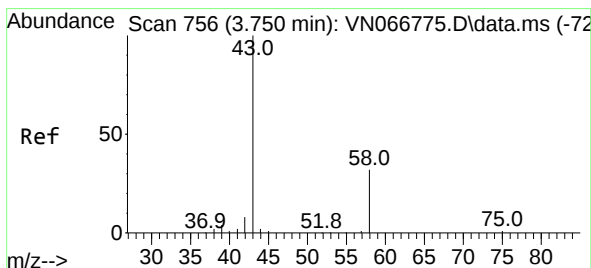
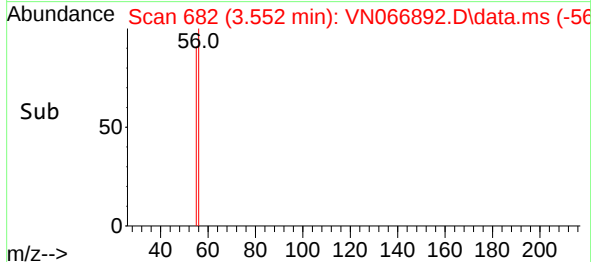
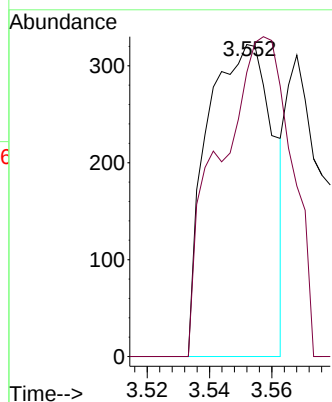
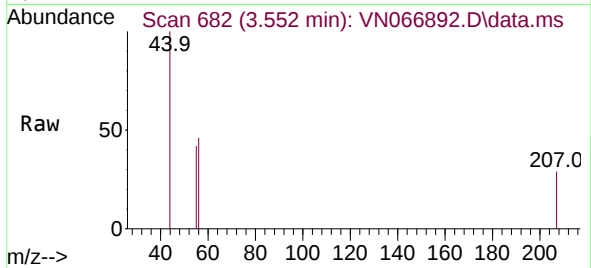




#13
Acrolein
Concen: 0.80 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.005 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

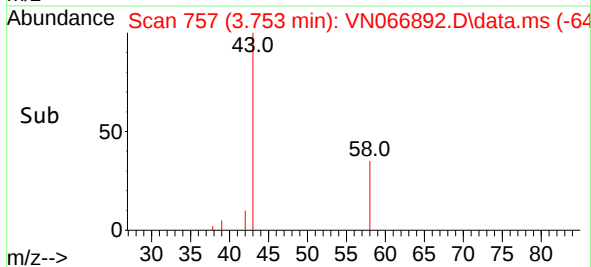
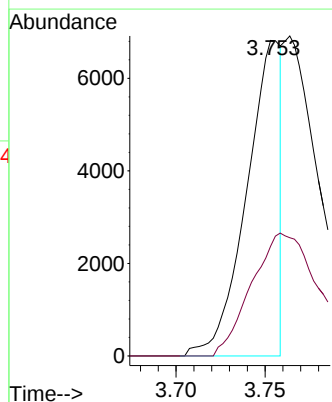
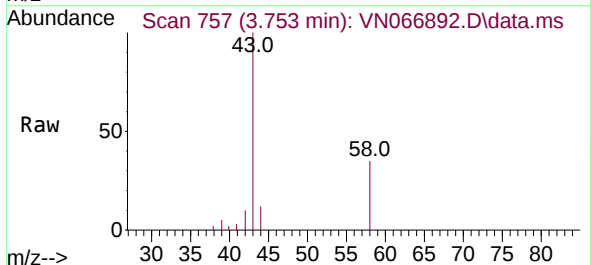
Instrument :
MSVOA_N
ClientSampled :

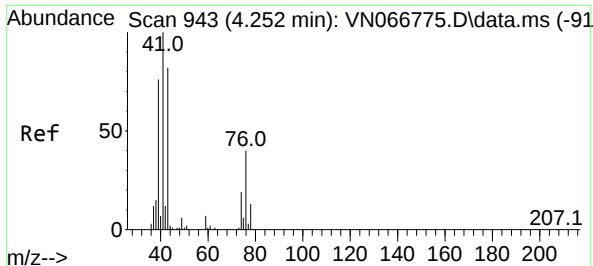
Tgt Ion: 56 Resp: 473
Ion Ratio Lower Upper
56 100
55 112.7 56.0 84.0#



#16
Acetone
Concen: 5.23 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.003 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

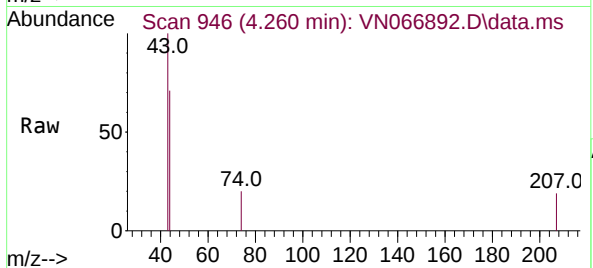
Tgt Ion: 43 Resp: 9099
Ion Ratio Lower Upper
43 100
58 34.8 27.0 40.6



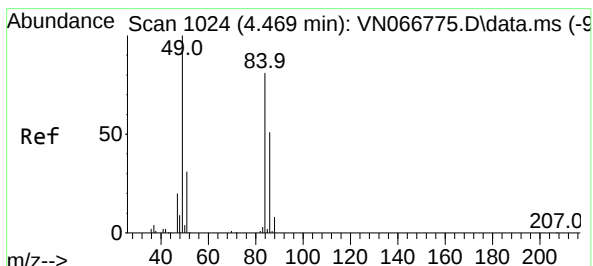
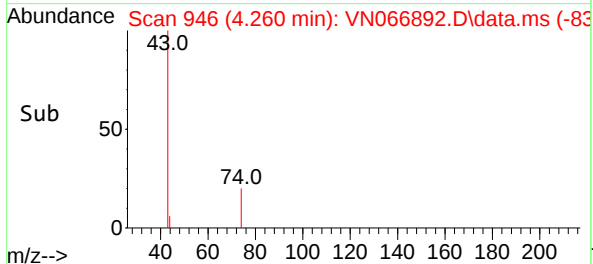
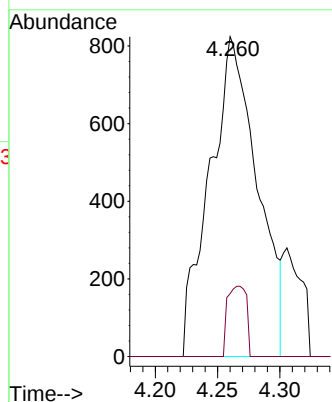


#18
Methyl Acetate
Concen: 1.57 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.008 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Instrument :
MSVOA_N
ClientSampled :

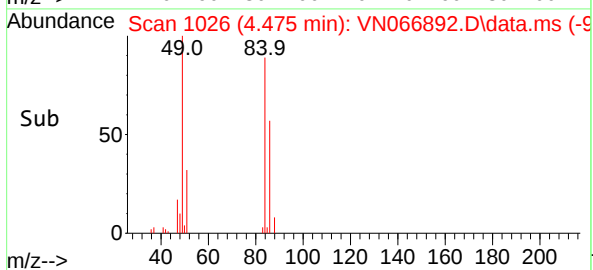
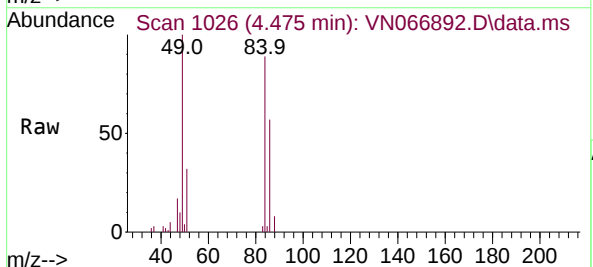
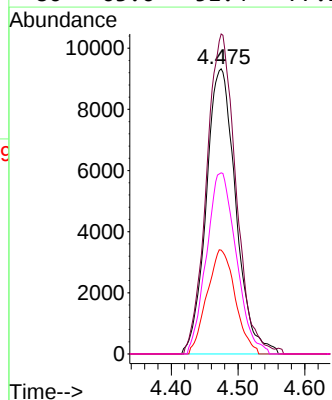


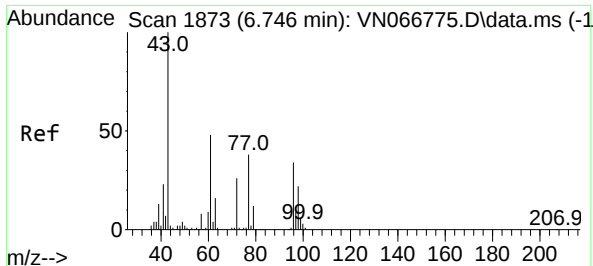
Tgt Ion: 43 Resp: 2193
Ion Ratio Lower Upper
43 100
74 8.7 19.5 29.3#



#20
Methylene Chloride
Concen: 6.51 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 84 Resp: 28727
Ion Ratio Lower Upper
84 100
49 112.2 94.6 141.8
51 36.4 29.9 44.9
86 63.6 51.4 77.2

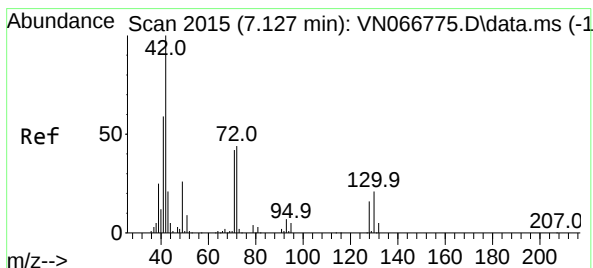
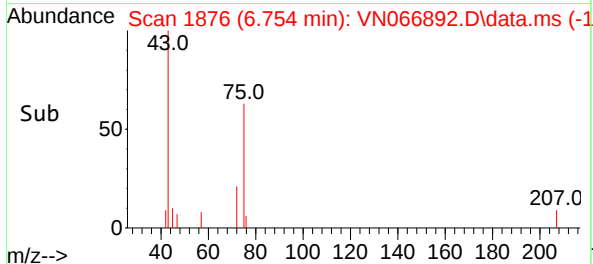
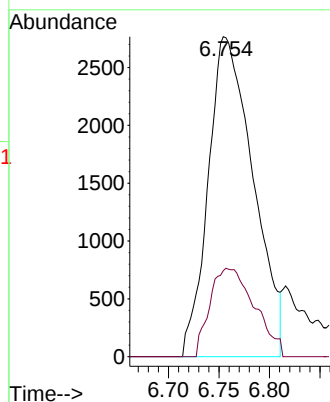
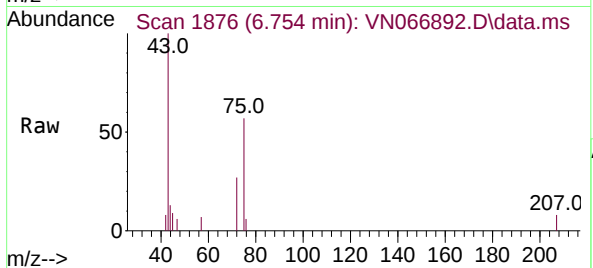




#25
2-Butanone
Concen: 3.50 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

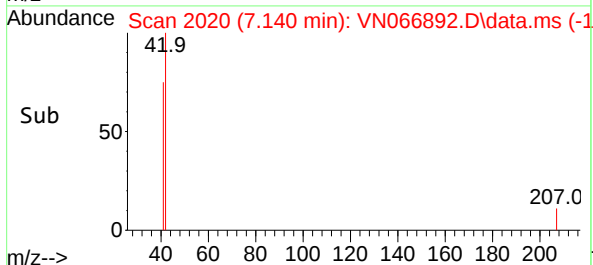
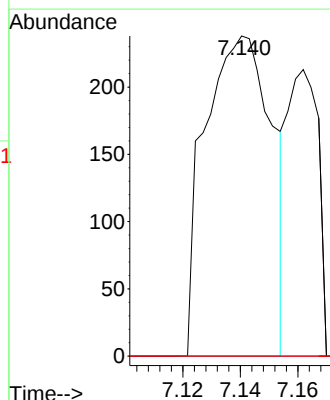
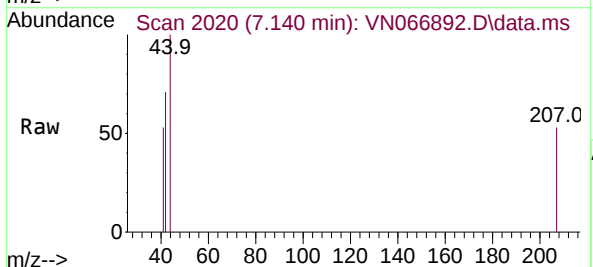
Instrument :
MSVOA_N
ClientSampled :

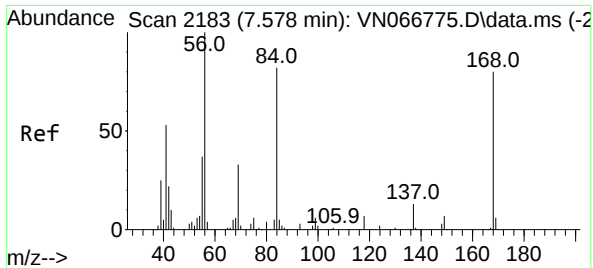
Tgt Ion: 43 Resp: 8564
Ion Ratio Lower Upper
43 100
72 26.9 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.140 min Scan# 2020
Delta R.T. 0.013 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 42 Resp: 381
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

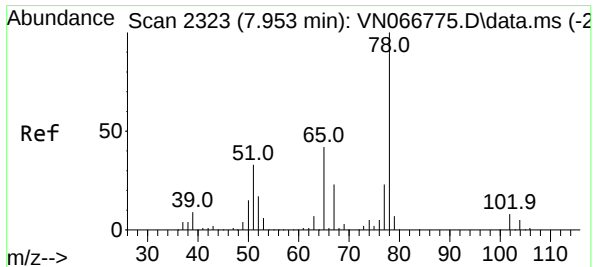
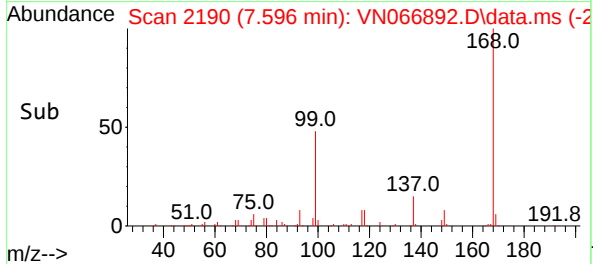
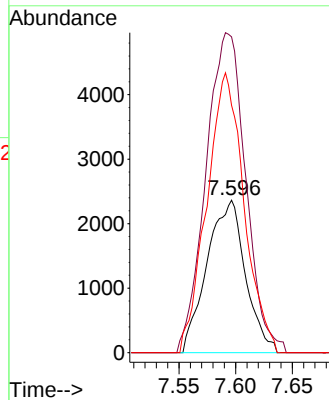
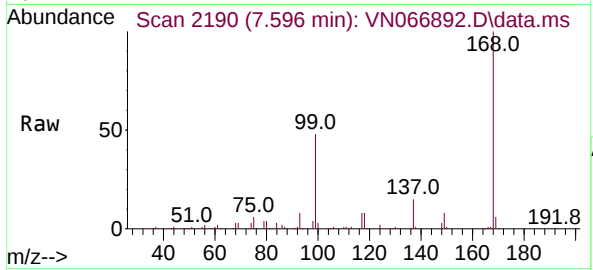




#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.596 min Scan# 2190
Delta R.T. 0.018 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

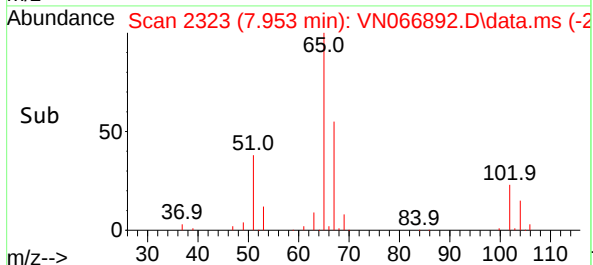
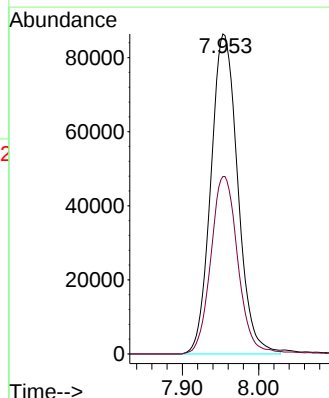
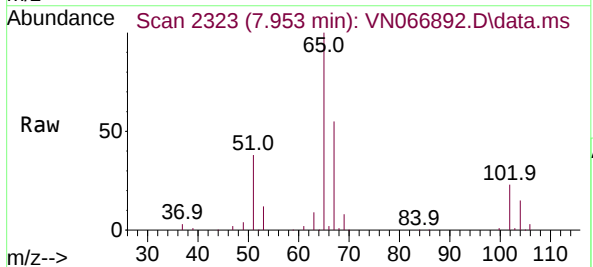
Instrument :
MSVOA_N
ClientSampled :

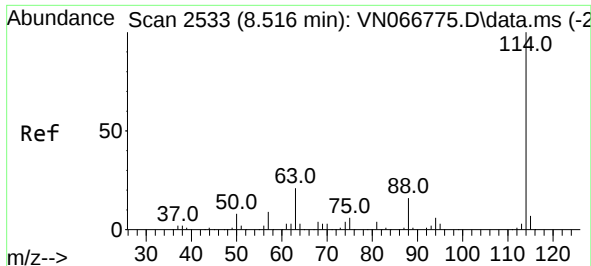
Tgt Ion: 56 Resp: 5574
Ion Ratio Lower Upper
56 100
69 199.9 26.6 39.8#
84 162.2 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 45.81 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 65 Resp: 211265
Ion Ratio Lower Upper
65 100
67 55.8 0.0 107.2

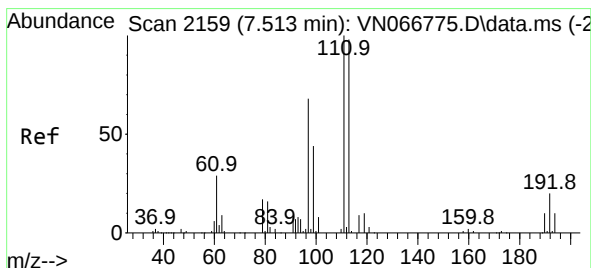
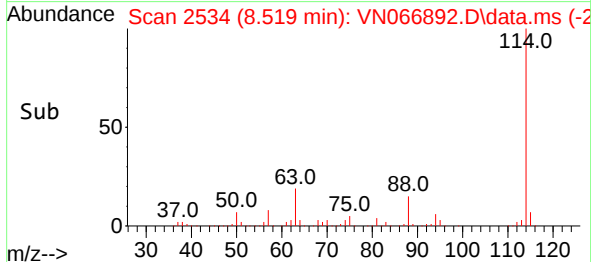
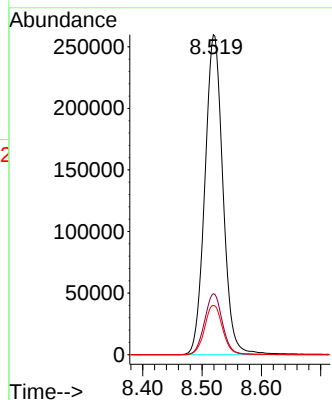
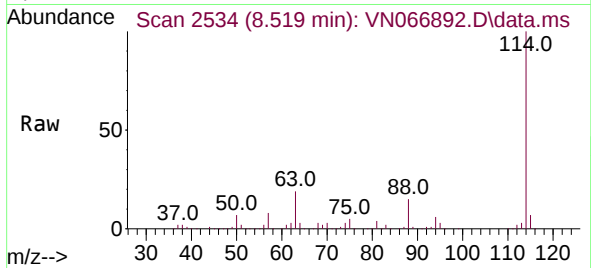




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

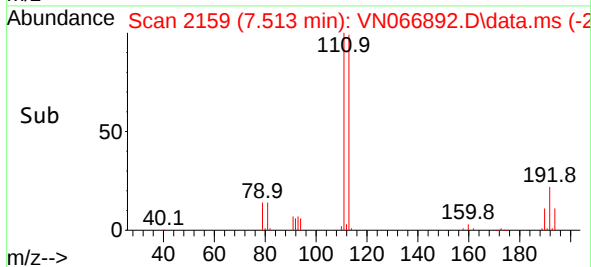
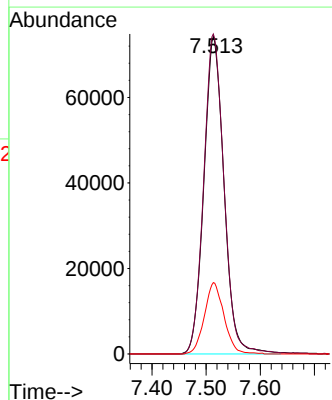
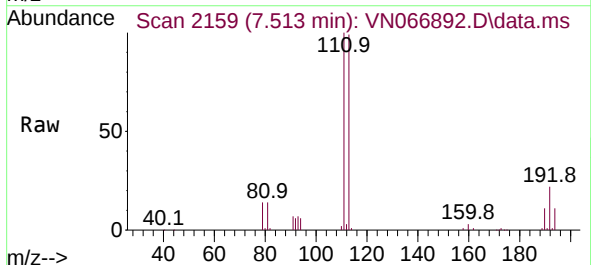
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ClientSampleId :

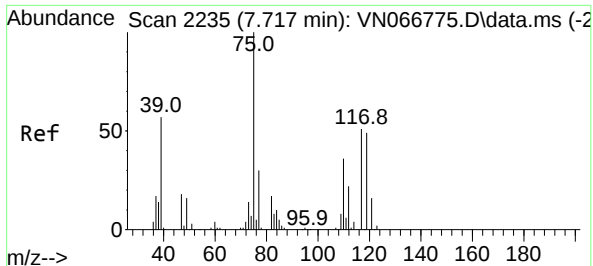
Tgt Ion:114 Resp: 547337
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.6
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.81 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

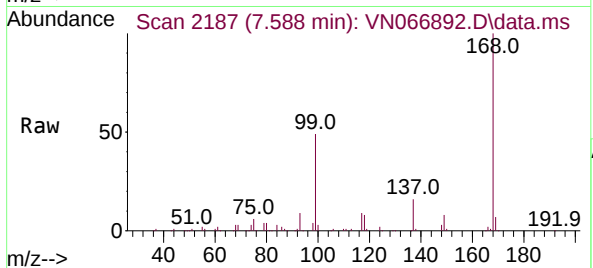
Tgt Ion:113 Resp: 191948
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 22.0 15.4 23.0



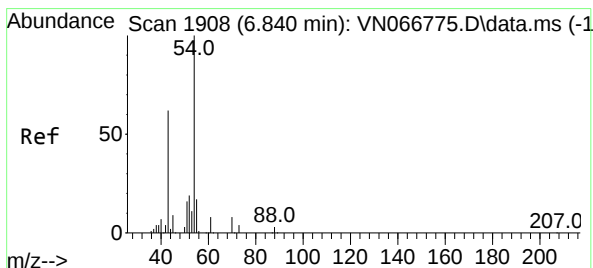
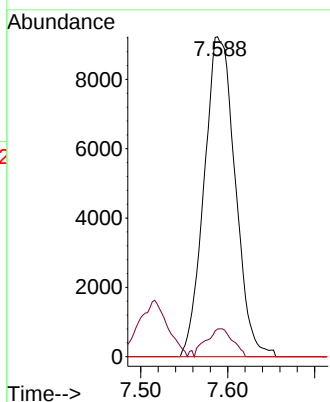
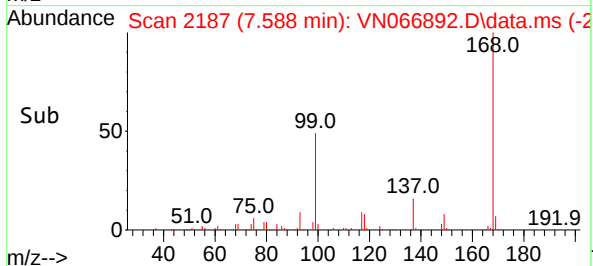


#36
1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

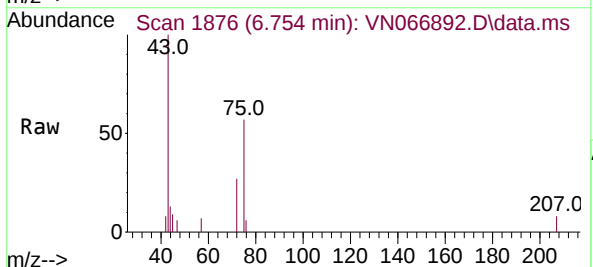
Instrument :
MSVOA_N
ClientSampled :



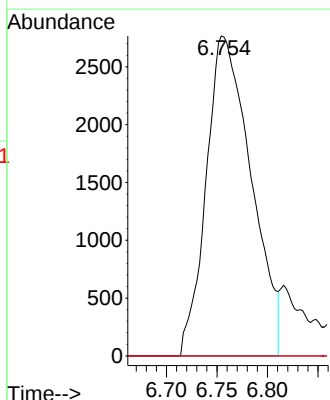
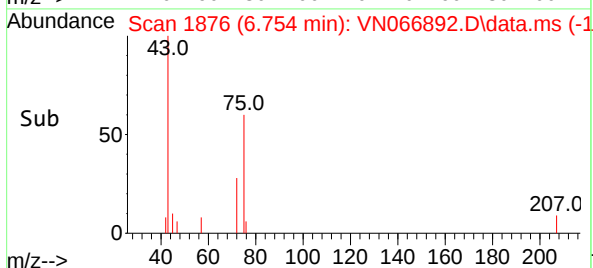
Tgt Ion: 75 Resp: 22916
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#

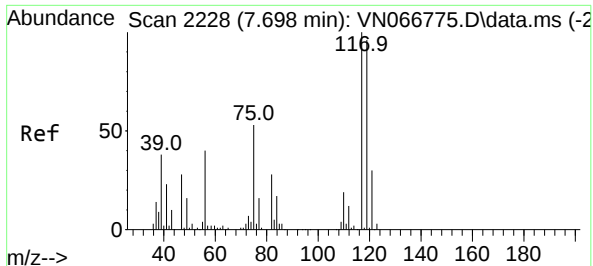


#37
Ethyl Acetate
Concen: 1.59 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. -0.086 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05



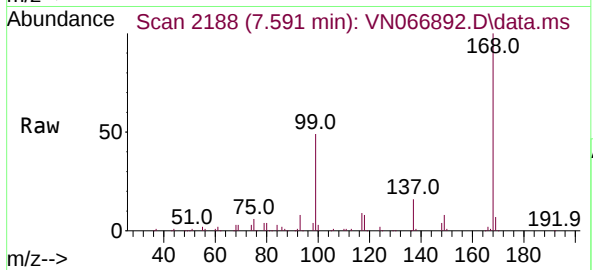
Tgt Ion: 43 Resp: 8564
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



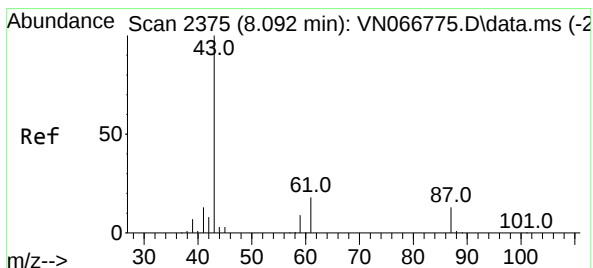
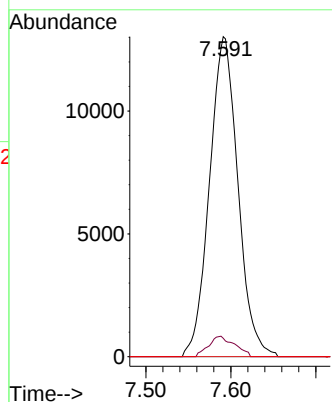
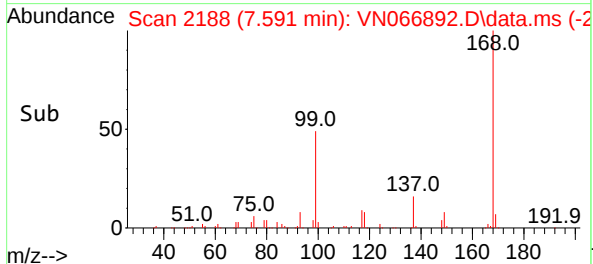


#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

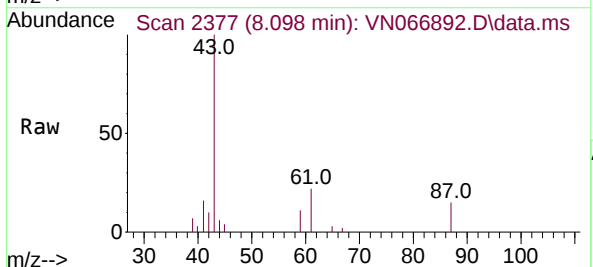
Instrument :
MSVOA_N
ClientSampled :



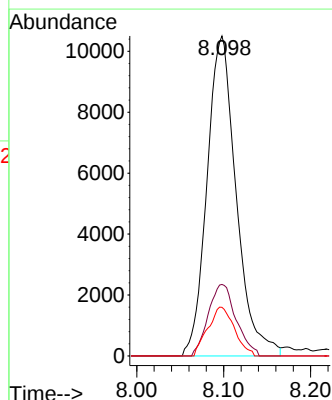
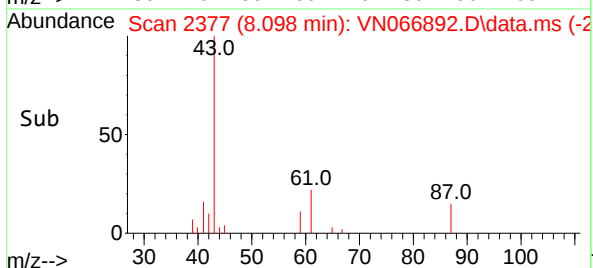
Tgt Ion:117 Resp: 30268
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.5 36.7#

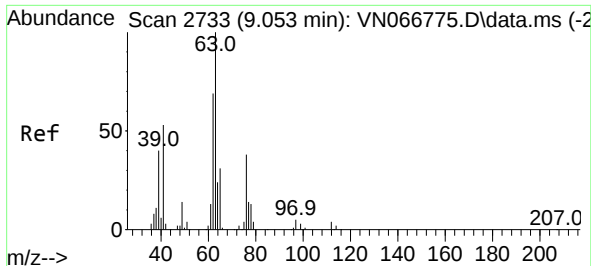


#43
Isopropyl Acetate
Concen: 2.86 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.006 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05



Tgt Ion: 43 Resp: 24549
Ion Ratio Lower Upper
43 100
61 21.3 22.5 33.7#
87 13.9 11.1 16.7



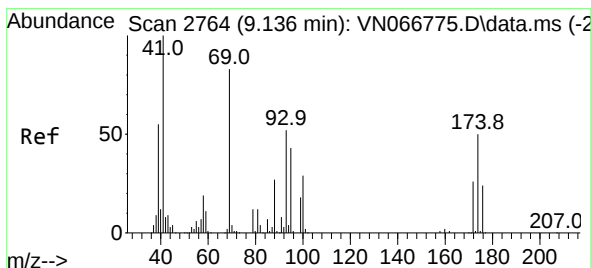
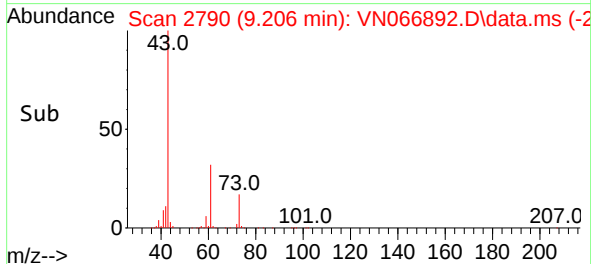
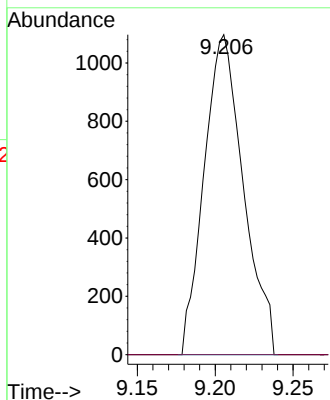
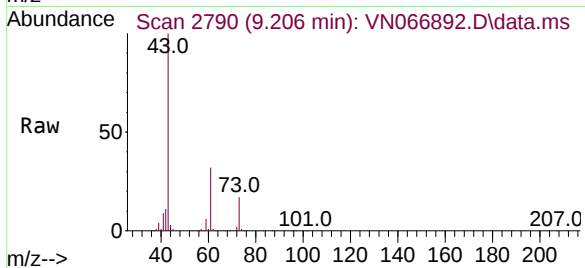


#45

1,2-Dichloropropane
Concen: 0.46 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.153 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Instrument :
MSVOA_N
ClientSampled :

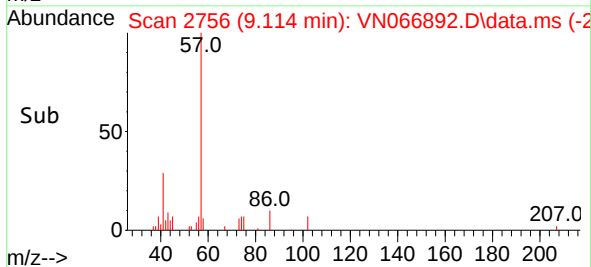
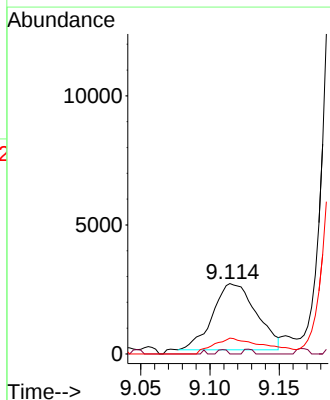
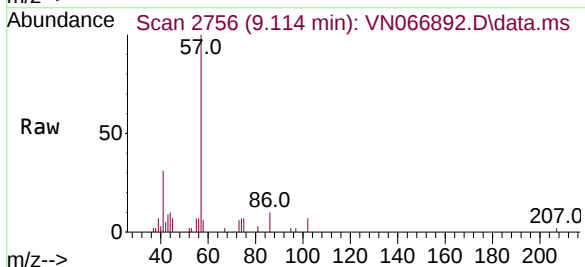
Tgt Ion: 63 Resp: 1927
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

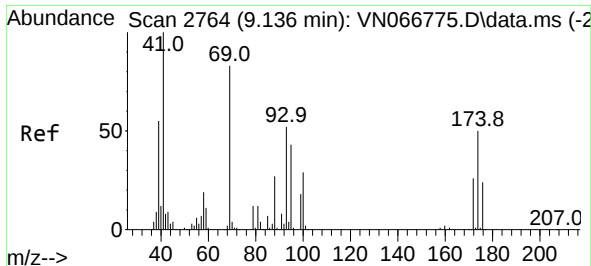


#48

Methyl methacrylate
Concen: 1.50 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 41 Resp: 5607
Ion Ratio Lower Upper
41 100
69 1.4 75.9 113.9#
39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 0.89 ug/l

RT: 9.203 min Scan# 2789

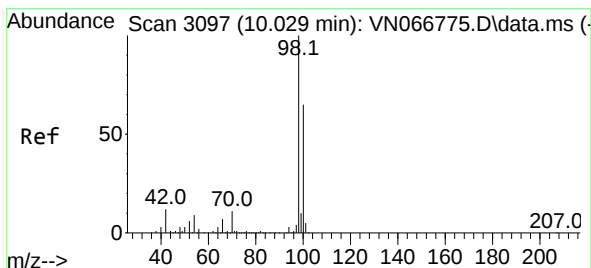
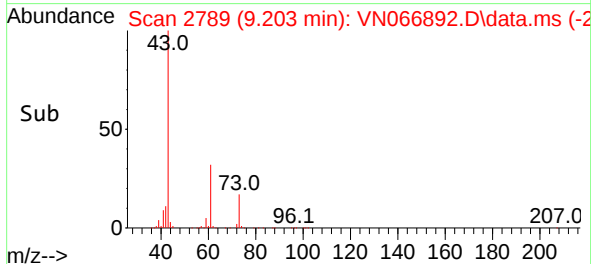
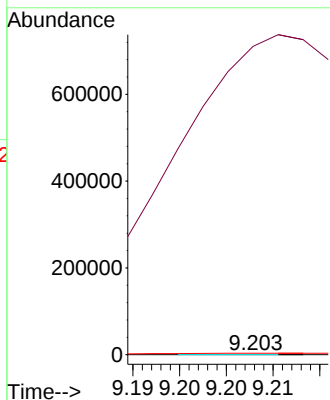
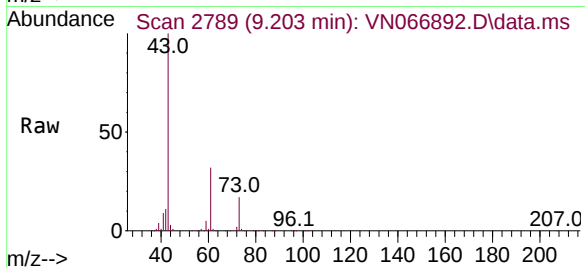
Delta R.T. 0.067 min

Lab File: VN066892.D

Acq: 30 Apr 2021 4:05

Tgt Ion:	88	Resp:	50
Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.7	37.1#
58	0.0	52.6	78.8#

Instrument :
MSVOA_N
ClientSampleId :



#50

Toluene-d8

Concen: 55.24 ug/l

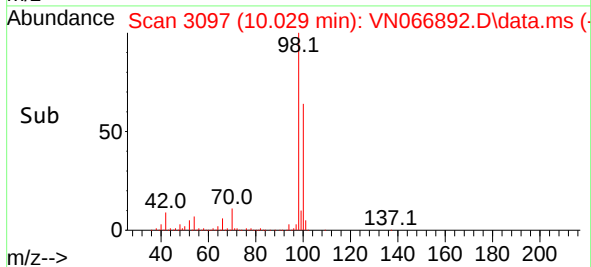
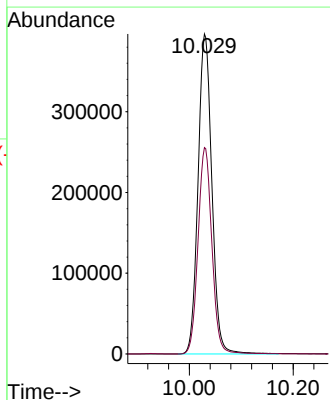
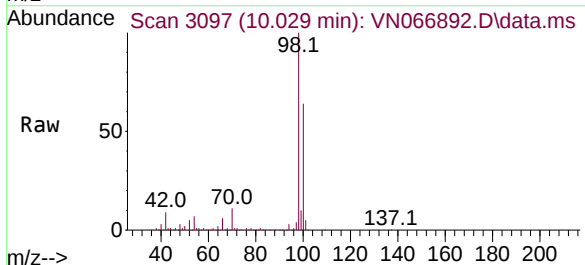
RT: 10.029 min Scan# 3097

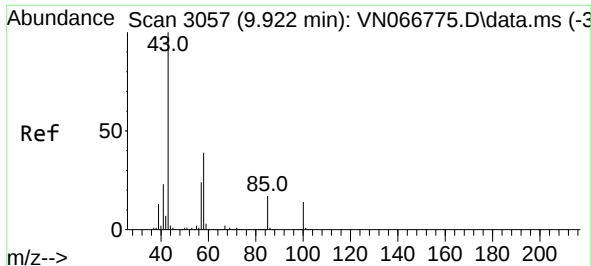
Delta R.T. -0.000 min

Lab File: VN066892.D

Acq: 30 Apr 2021 4:05

Tgt Ion:	98	Resp:	732630
Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.5	75.7

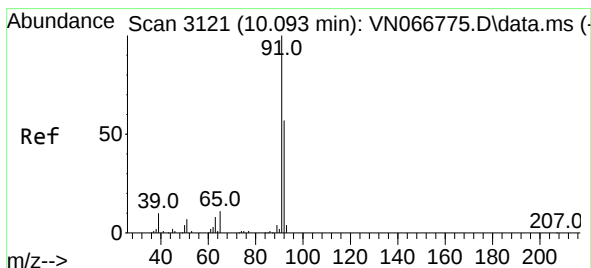
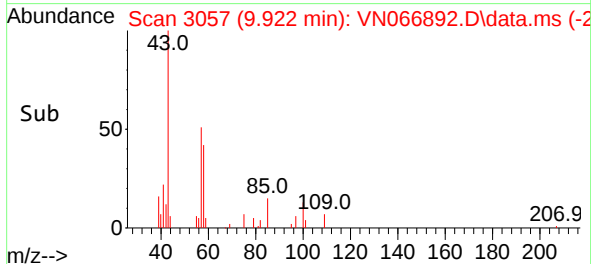
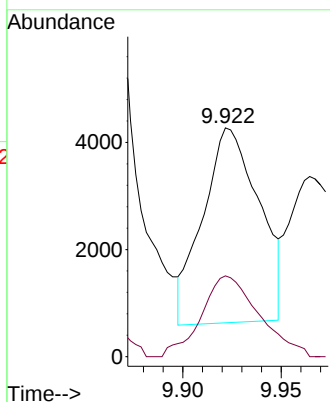
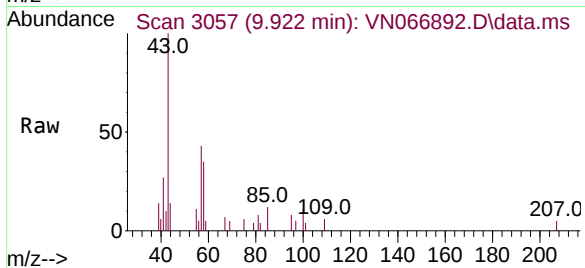




#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

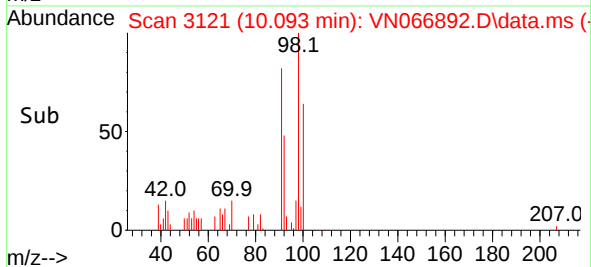
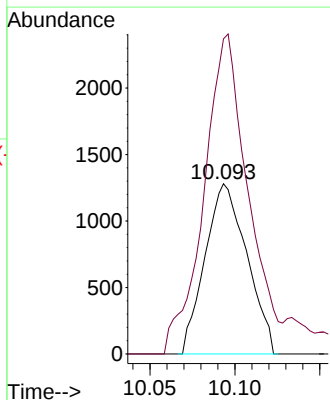
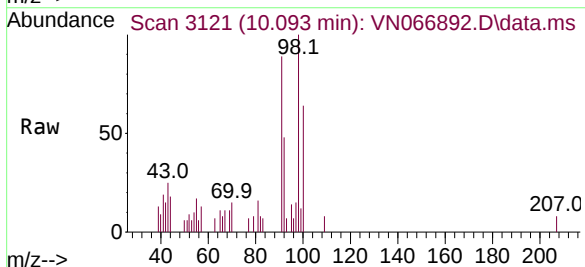
Instrument :
MSVOA_N
ClientSampled :

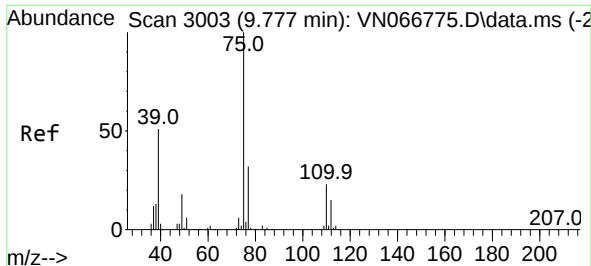
Tgt Ion: 43 Resp: 7239
Ion Ratio Lower Upper
43 100
58 42.4 32.5 48.7



#52
Toluene
Concen: 0.23 ug/l
RT: 10.093 min Scan# 3121
Delta R.T. 0.000 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

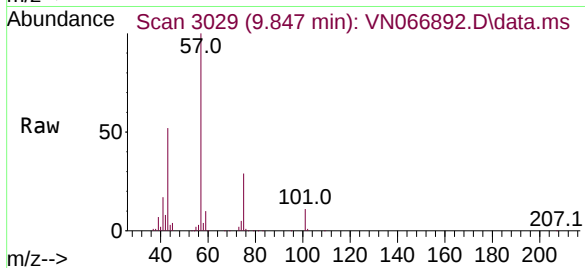
Tgt Ion: 92 Resp: 2193
Ion Ratio Lower Upper
92 100
91 198.0 140.7 211.1



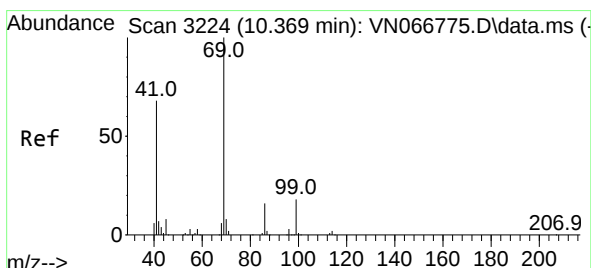
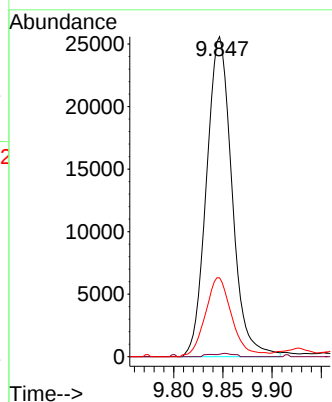
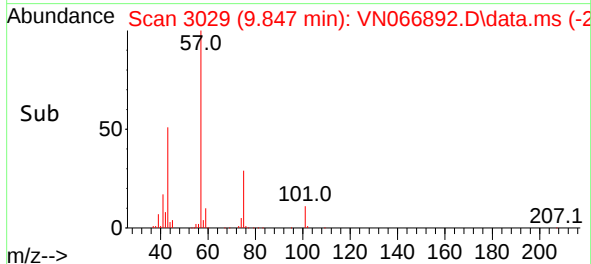


#54
 cis-1,3-Dichloropropene
 Concen: 7.13 ug/l
 RT: 9.847 min Scan# 3029
 Delta R.T. 0.070 min
 Lab File: VN066892.D
 Acq: 30 Apr 2021 4:05

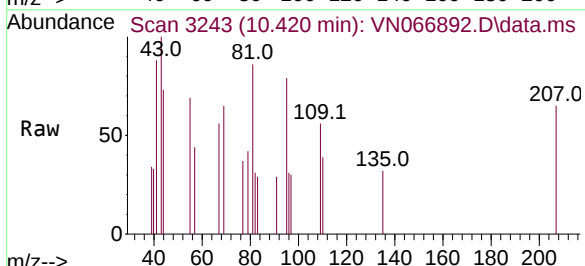
Instrument :
 MSVOA_N
 ClientSampled :



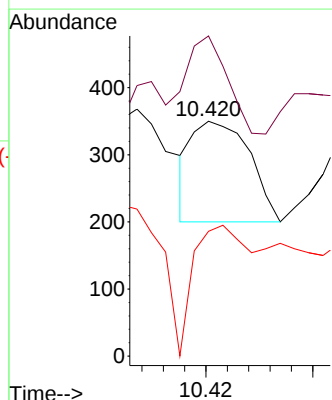
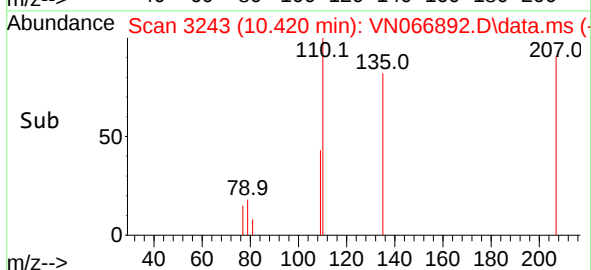
Tgt Ion: 75 Resp: 46136
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 24.6 36.2 54.4#

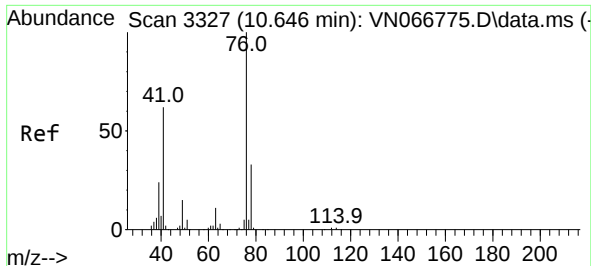


#56
 Ethyl methacrylate
 Concen: 3.19 ug/l
 RT: 10.420 min Scan# 3243
 Delta R.T. 0.051 min
 Lab File: VN066892.D
 Acq: 30 Apr 2021 4:05



Tgt Ion: 69 Resp: 113
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

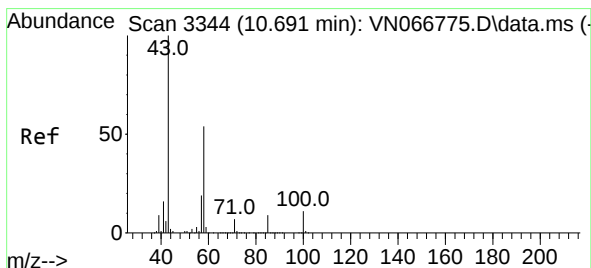
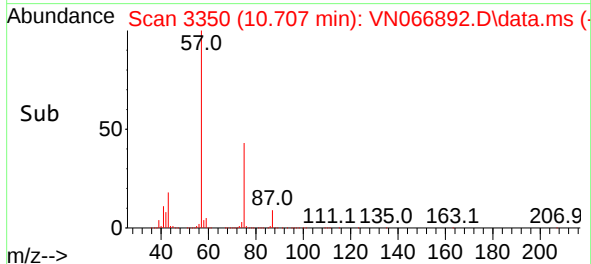
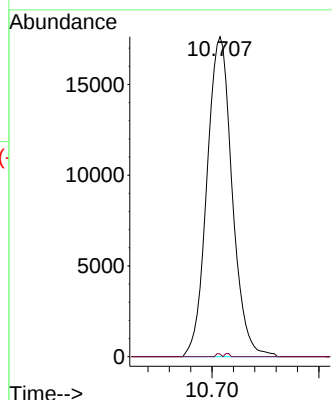
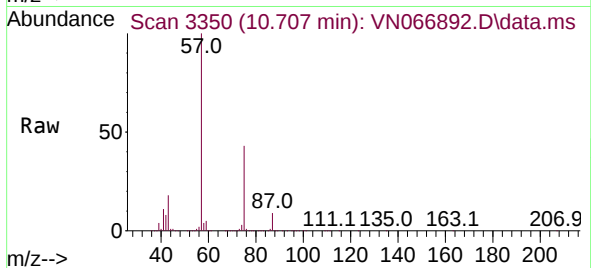




#57
1,3-Dichloropropane
Concen: 4.63 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

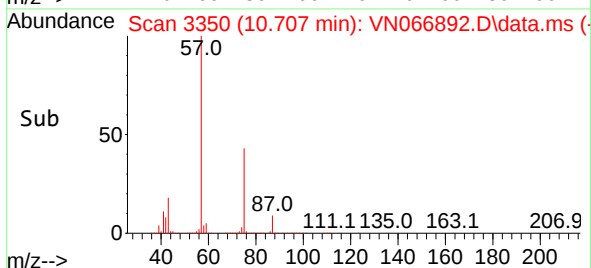
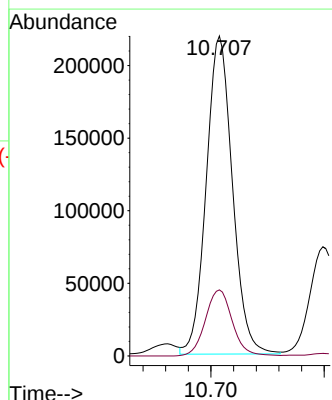
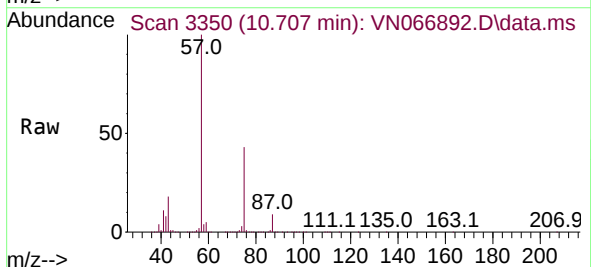
Instrument :
MSVOA_N
ClientSampled :

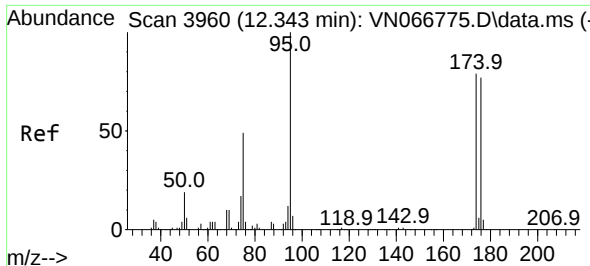
Tgt Ion: 76 Resp: 28889
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 107.76 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 43 Resp: 351315
Ion Ratio Lower Upper
43 100
58 21.4 28.1 84.3#

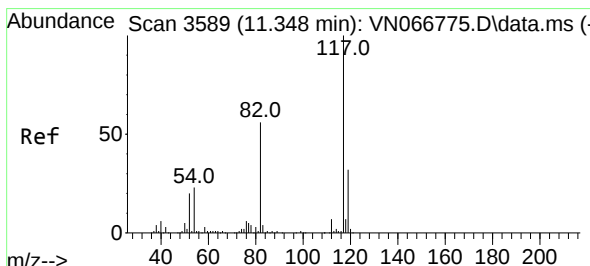
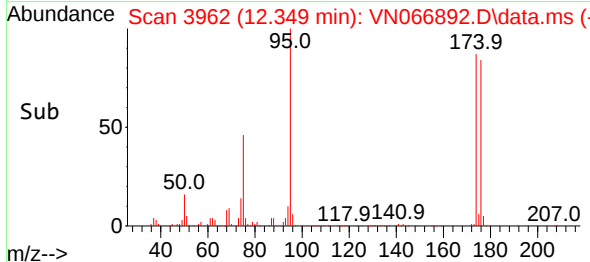
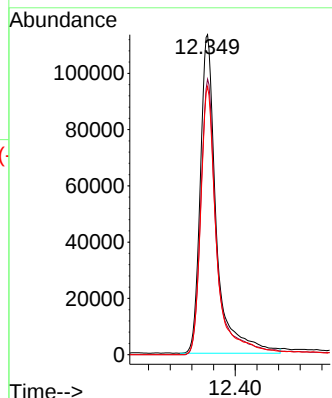
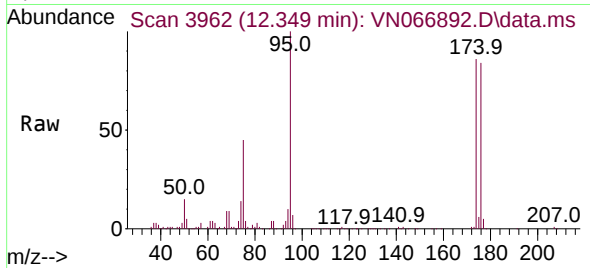




#62
4-Bromofluorobenzene
Concen: 51.99 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

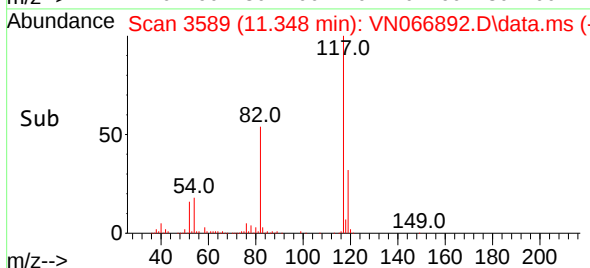
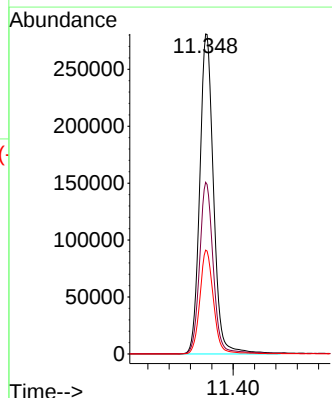
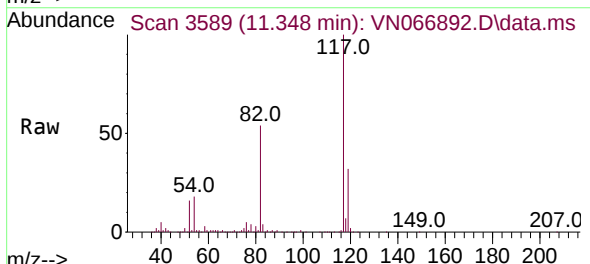
Instrument :
MSVOA_N
ClientSampleId :

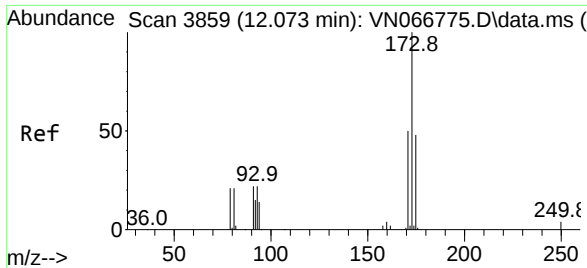
Tgt Ion: 95 Resp: 233269
Ion Ratio Lower Upper
95 100
174 85.4 0.0 169.0
176 84.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 117 Resp: 505573
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.5 26.1 39.1

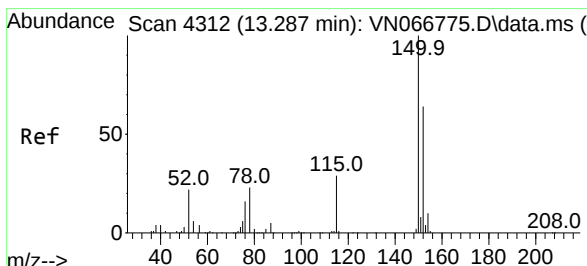
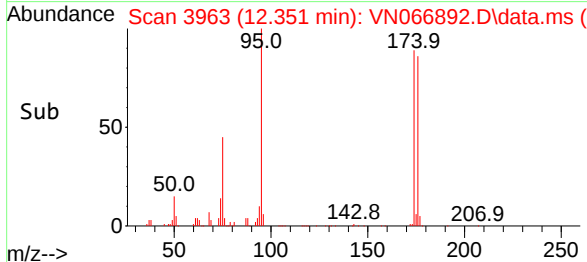
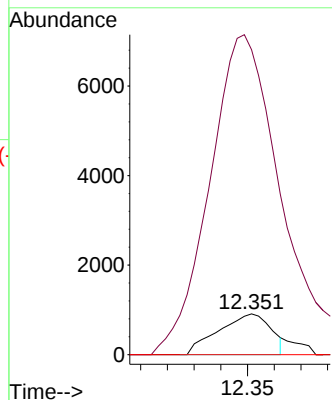
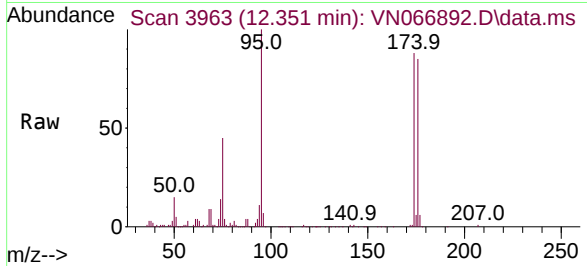




#71
Bromoform
Concen: 0.45 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.278 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

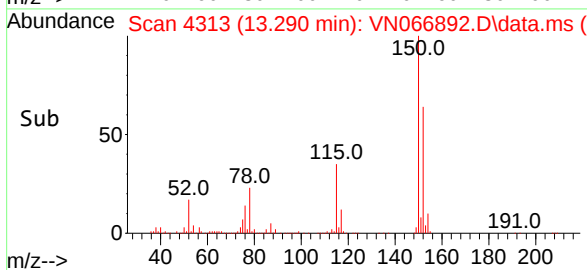
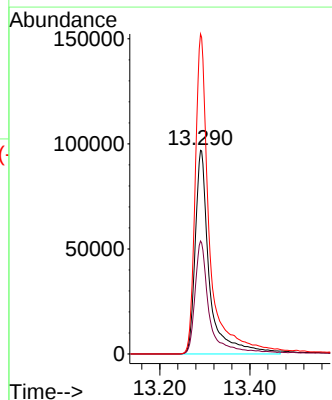
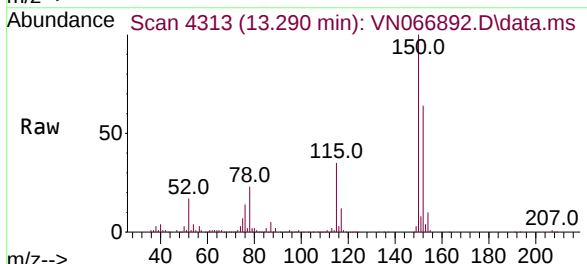
Instrument :
MSVOA_N
ClientSampleId :

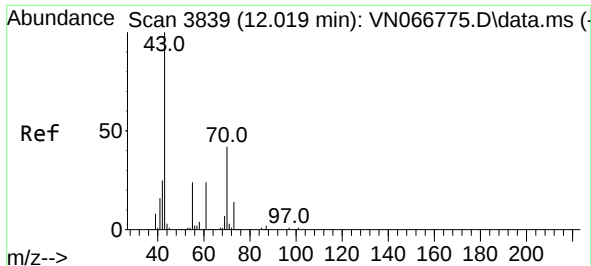
Tgt Ion:173 Resp: 1248
Ion Ratio Lower Upper
173 100
175 898.7 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion:152 Resp: 214724
Ion Ratio Lower Upper
152 100
115 53.7 28.5 85.6
150 156.5 0.0 347.6



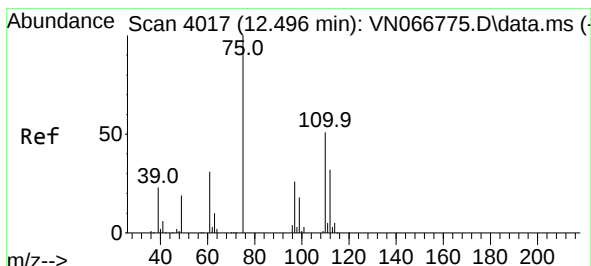
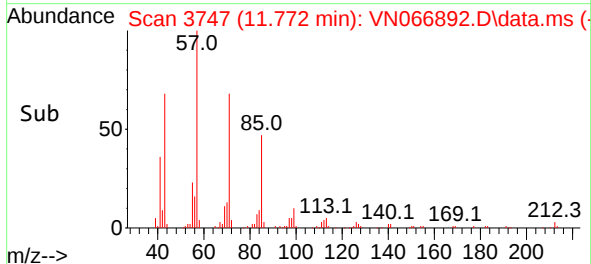
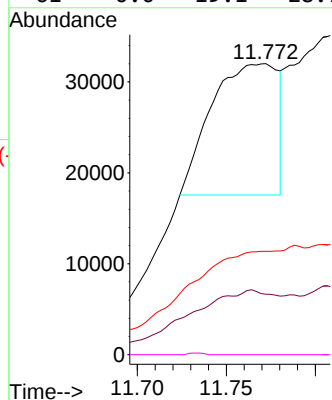
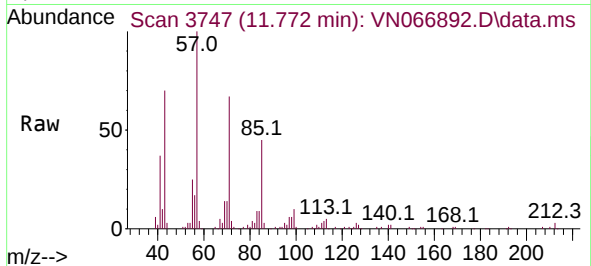


#74
N-amy1 acetate
Concen: 10.09 ug/l
RT: 11.772 min Scan# 3747
Delta R.T. -0.247 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 37504

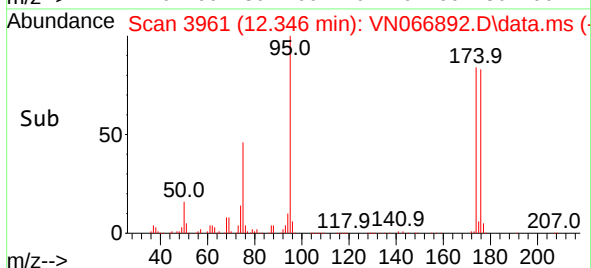
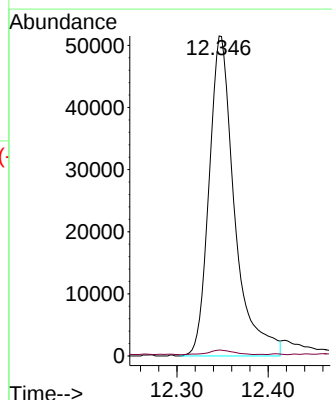
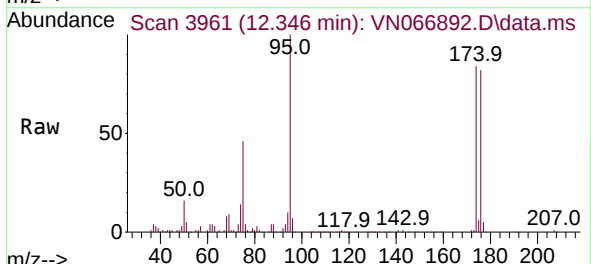
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	41.8	20.7	31.1#
61	0.0	19.1	28.7#

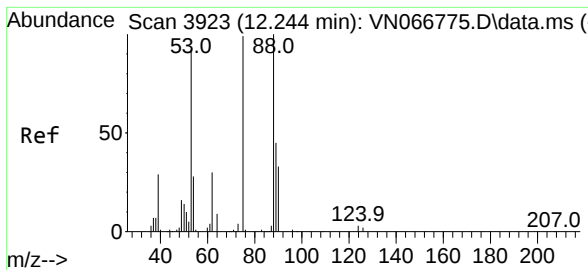


#76
1,2,3-Trichloropropane
Concen: 22.11 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066892.D
Acq: 30 Apr 2021 4:05

Tgt Ion: 75 Resp: 100078

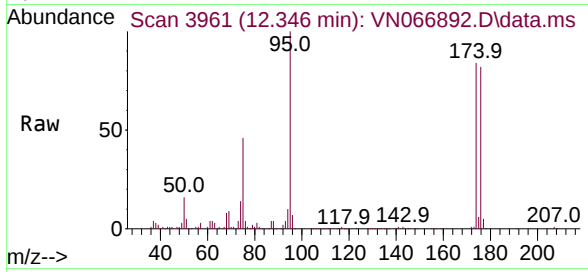
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.11 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066892.D
 Acq: 30 Apr 2021 4:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	74.6	111.8#
89	0.0	35.8	53.8#

