

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066822.D
 Acq On : 28 Apr 2021 19:04
 Operator : JC/MD
 Sample : PB136019ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 04:31:43 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)

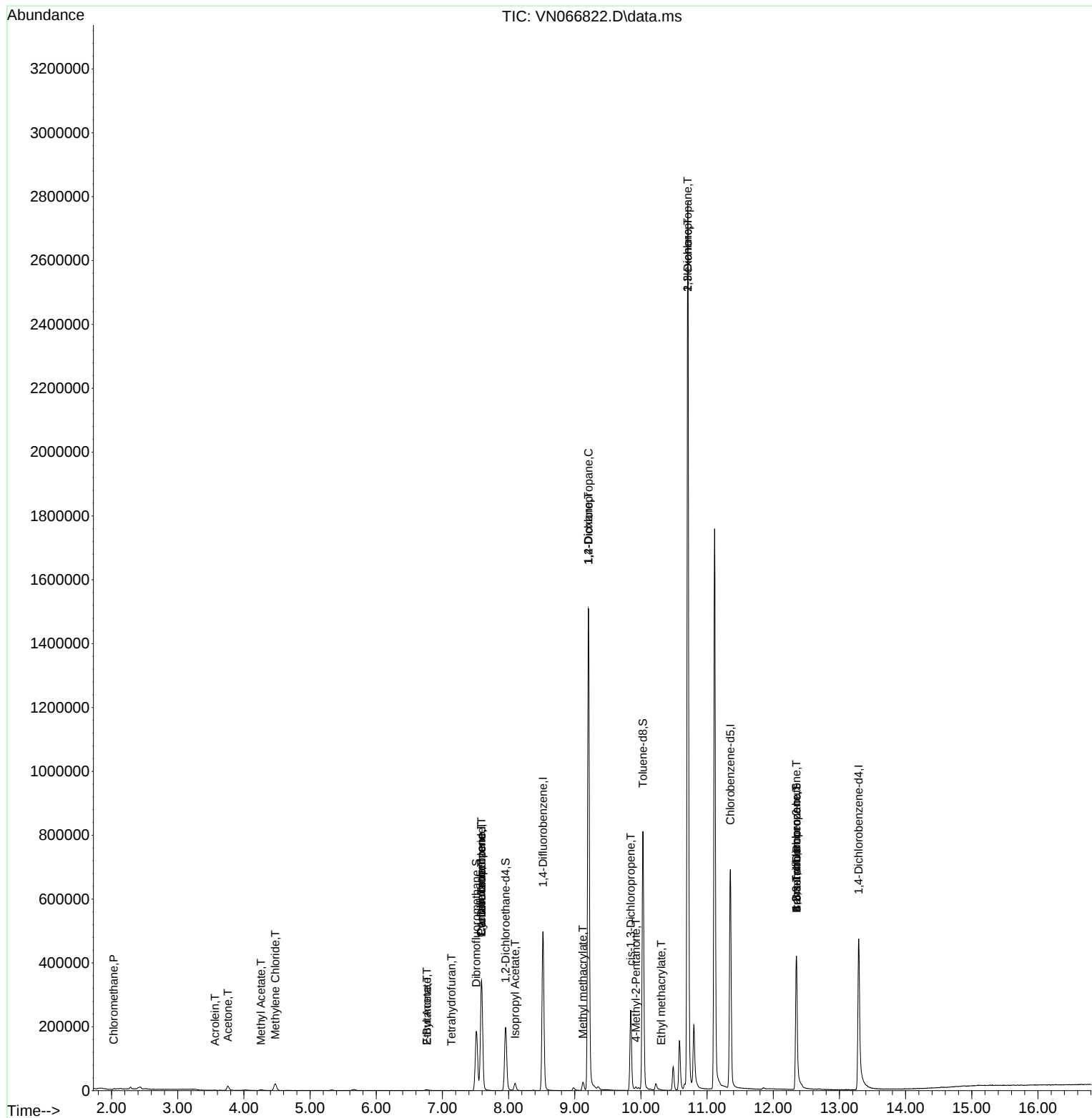
Internal Standards						
1) Pentafluorobenzene	7.591	168	313106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	473911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	441106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	183044	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	170268	42.32	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.64%		
35) Dibromofluoromethane	7.513	113	150161	51.33	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.66%		
50) Toluene-d8	10.029	98	586915	51.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.22%		
62) 4-Bromofluorobenzene	12.349	95	183863	47.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.64%		
Target Compounds						Qvalue
3) Chloromethane	2.031	50	1154	0.26	ug/l	97
13) Acrolein	3.563	56	640	1.24	ug/l #	43
16) Acetone	3.758	43	22868	15.07	ug/l	97
18) Methyl Acetate	4.257	43	2216	1.64	ug/l #	63
20) Methylene Chloride	4.474	84	16477	4.28	ug/l	98
25) 2-Butanone	6.765	43	5119	2.40	ug/l	95
29) Tetrahydrofuran	7.135	42	321	0.22	ug/l #	32
31) Cyclohexane	7.588	56	5285	0.85	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	20246	4.60	ug/l #	47
37) Ethyl Acetate	6.765	43	5119	1.09	ug/l #	68
38) Carbon Tetrachloride	7.591	117	26165	6.20	ug/l #	18
43) Isopropyl Acetate	8.098	43	28350	3.81	ug/l #	91
45) 1,2-Dichloropropane	9.208	63	1877	0.51	ug/l #	44
48) Methyl methacrylate	9.120	41	6325	1.95	ug/l #	10
49) 1,4-Dioxane	9.205	88	53	1.09	ug/l #	1
51) 4-Methyl-2-Pentanone	9.927	43	7215	1.79	ug/l	95
54) cis-1,3-Dichloropropene	9.846	75	50827	9.08	ug/l #	58
56) Ethyl methacrylate	10.308	69	113	3.19	ug/l #	27
57) 1,3-Dichloropropane	10.707	76	29830	5.52	ug/l #	43
59) 2-Hexanone	10.707	43	380154	129.80	ug/l #	51
71) Bromoform	12.351	173	1119	0.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	84763	21.97	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	84763	59.77	ug/l #	12

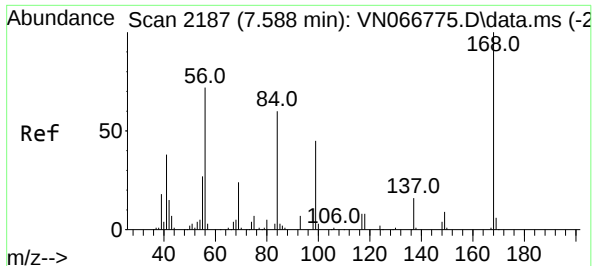
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

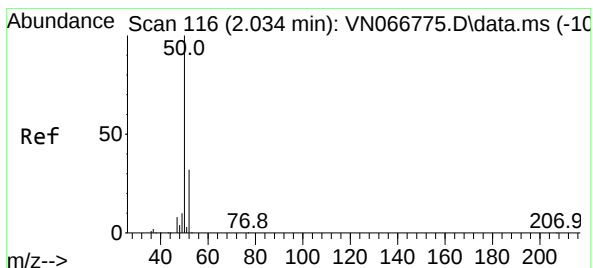
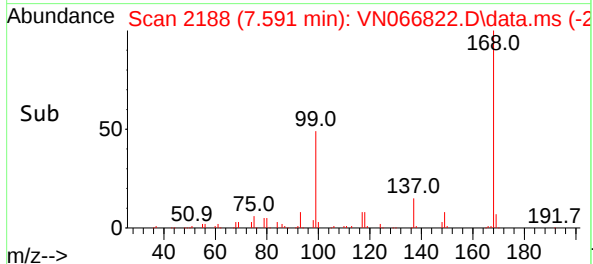
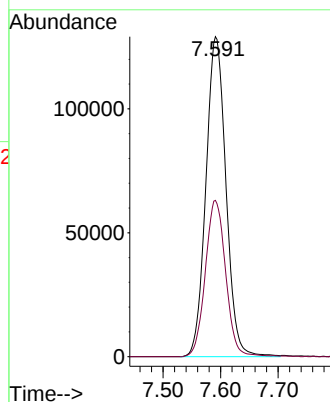
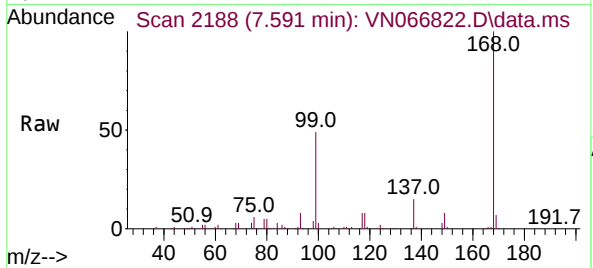




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

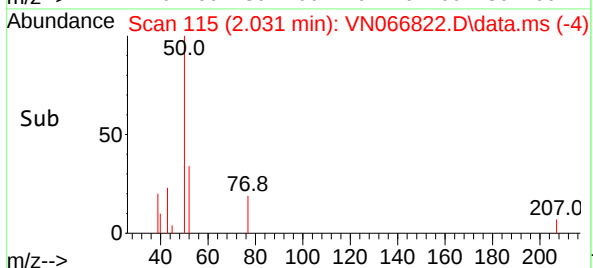
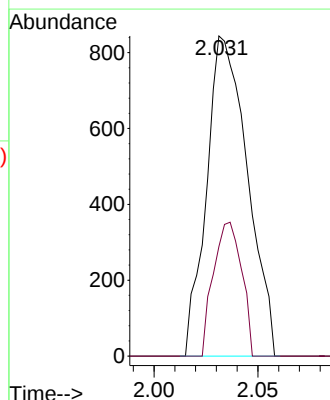
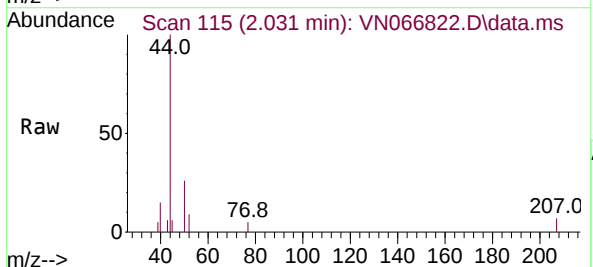
Instrument :
MSVOA_N
ClientSampled :

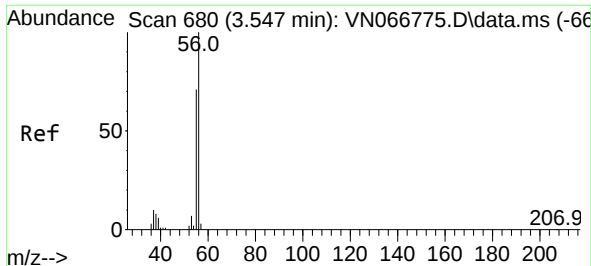
Tgt Ion:168 Resp: 313106
Ion Ratio Lower Upper
168 100
99 48.9 42.6 63.8



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.031 min Scan# 115
Delta R.T. -0.003 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion: 50 Resp: 1154
Ion Ratio Lower Upper
50 100
52 34.2 25.8 38.8

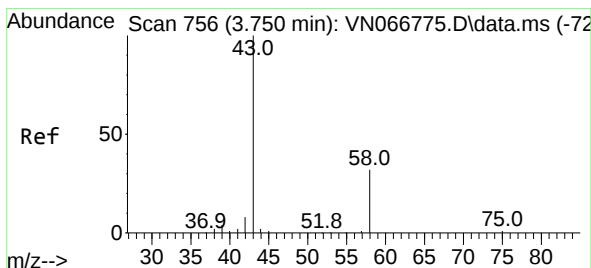
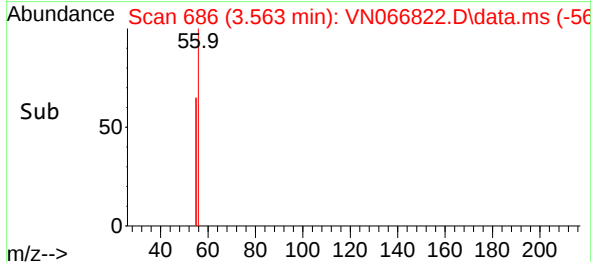
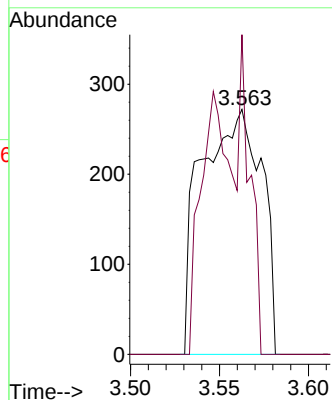
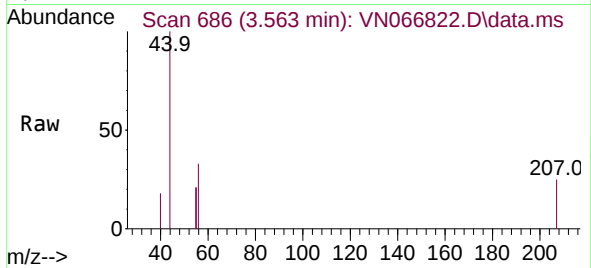




#13
Acrolein
Concen: 1.24 ug/l
RT: 3.563 min Scan# 686
Delta R.T. 0.016 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

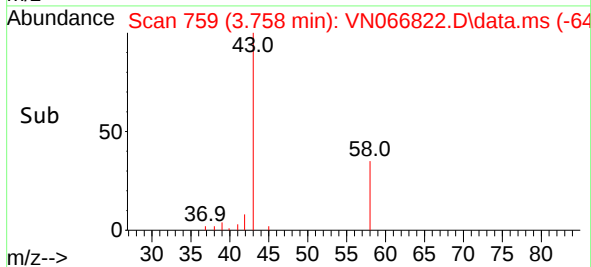
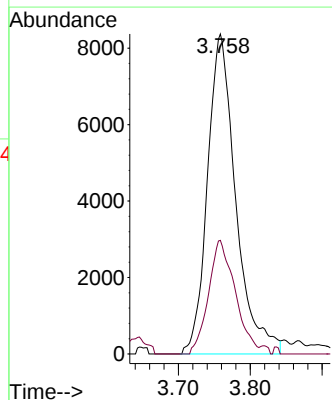
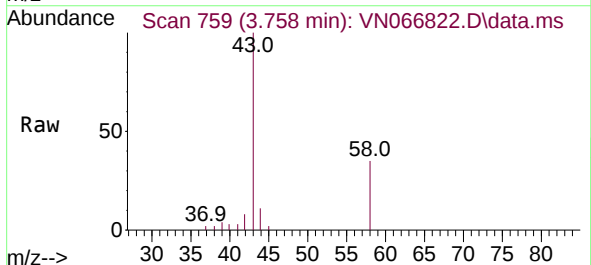
Instrument :
MSVOA_N
ClientSampled :

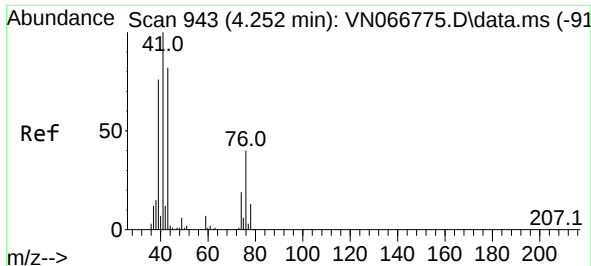
Tgt Ion: 56 Resp: 640
Ion Ratio Lower Upper
56 100
55 23.0 56.0 84.0#



#16
Acetone
Concen: 15.07 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.008 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion: 43 Resp: 22868
Ion Ratio Lower Upper
43 100
58 35.5 27.0 40.6





#18

Methyl Acetate

Concen: 1.64 ug/l

RT: 4.257 min Scan# 945

Delta R.T. 0.005 min

Lab File: VN066822.D

Acq: 28 Apr 2021 19:04

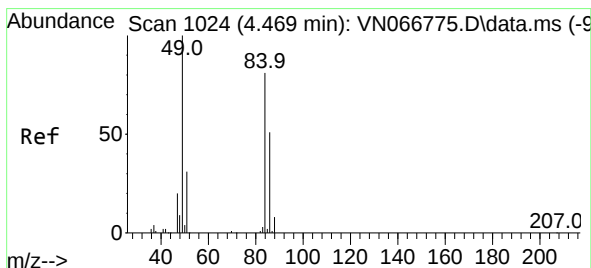
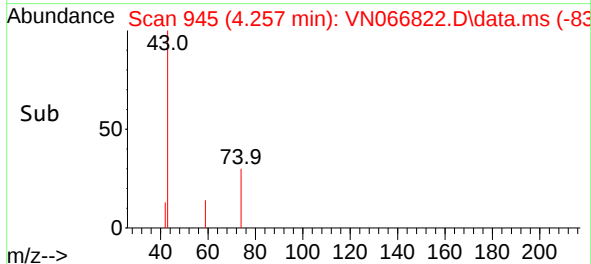
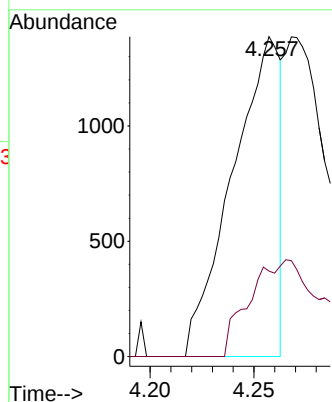
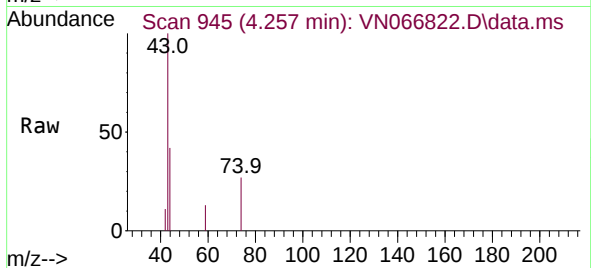
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 2216

Ion Ratio Lower Upper

43 100

74 42.6 19.5 29.3#



#20

Methylene Chloride

Concen: 4.28 ug/l

RT: 4.474 min Scan# 1026

Delta R.T. 0.005 min

Lab File: VN066822.D

Acq: 28 Apr 2021 19:04

Tgt Ion: 84 Resp: 16477

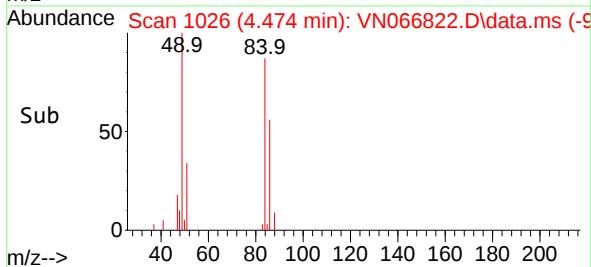
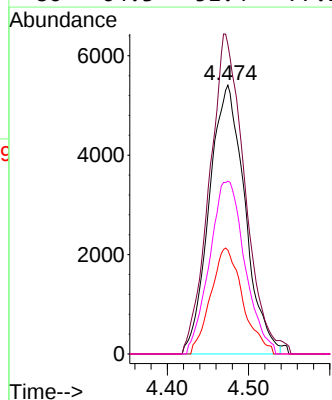
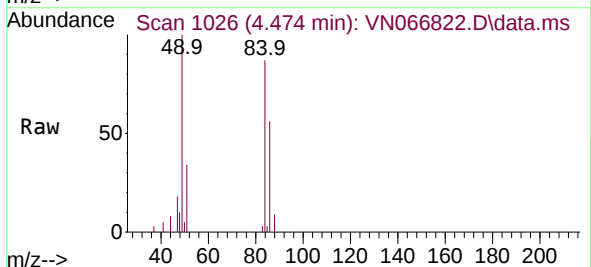
Ion Ratio Lower Upper

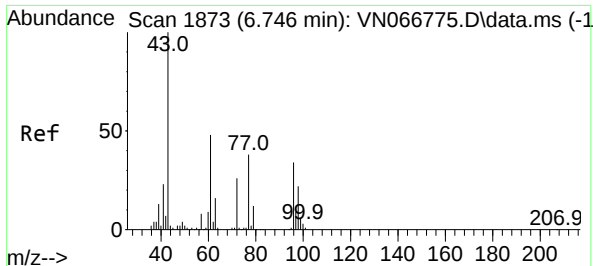
84 100

49 115.1 94.6 141.8

51 38.6 29.9 44.9

86 64.3 51.4 77.2

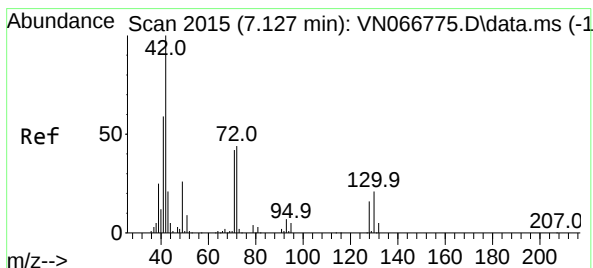
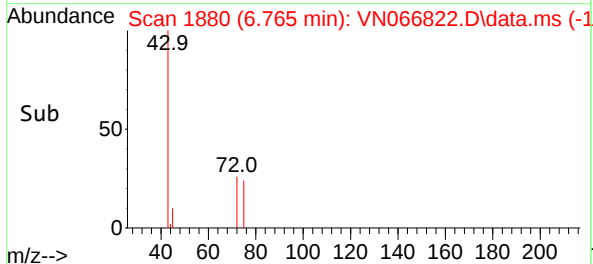
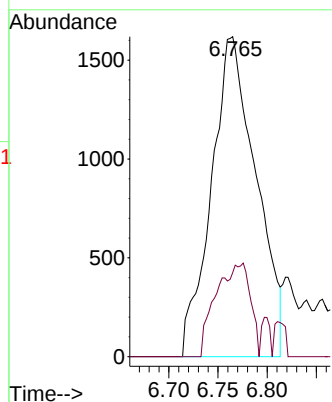
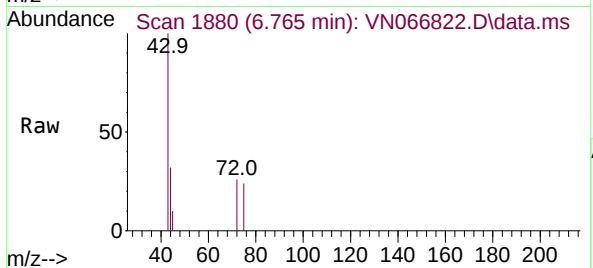




#25
2-Butanone
Concen: 2.40 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. 0.019 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

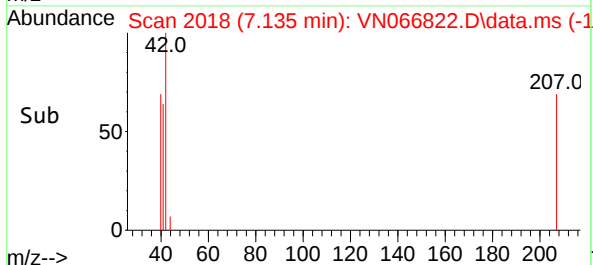
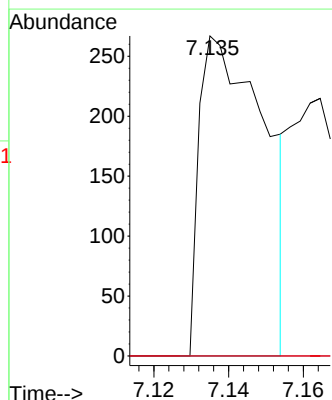
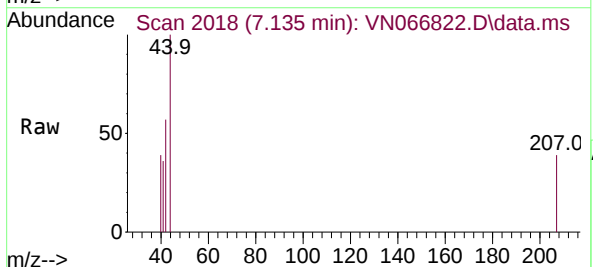
Instrument :
MSVOA_N
ClientSampled :

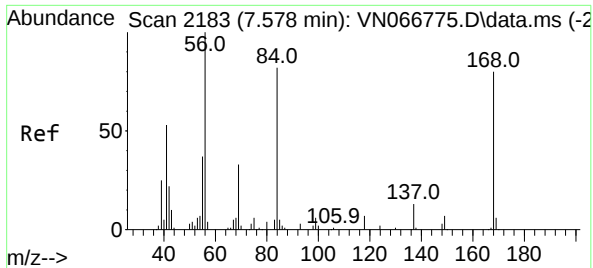
Tgt Ion: 43 Resp: 5119
Ion Ratio Lower Upper
43 100
72 26.3 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 7.135 min Scan# 2018
Delta R.T. 0.008 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion: 42 Resp: 321
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

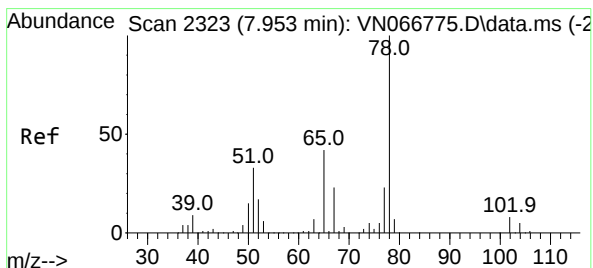
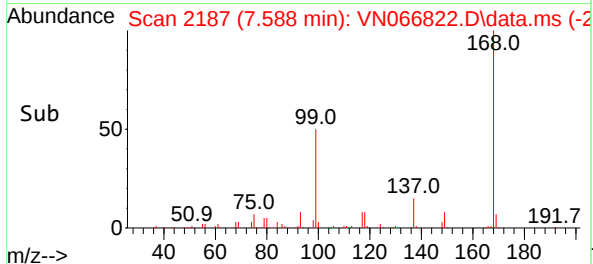
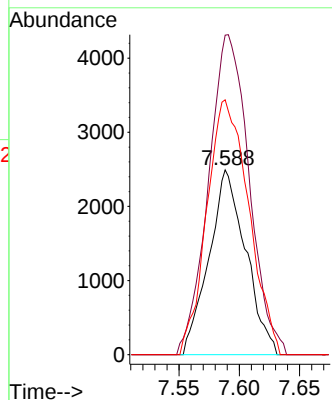
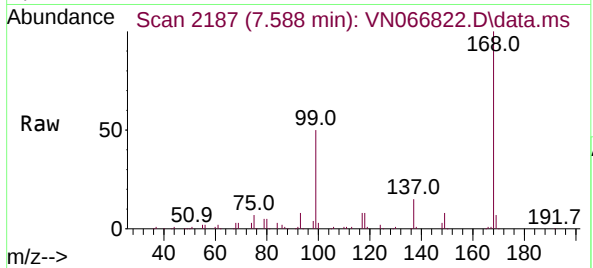




#31
Cyclohexane
Concen: 0.85 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

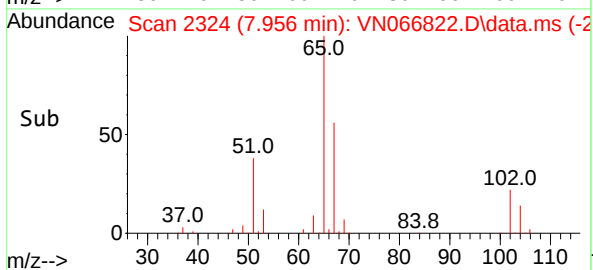
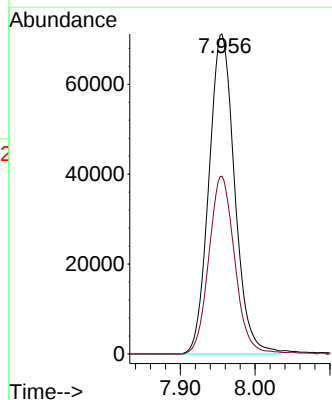
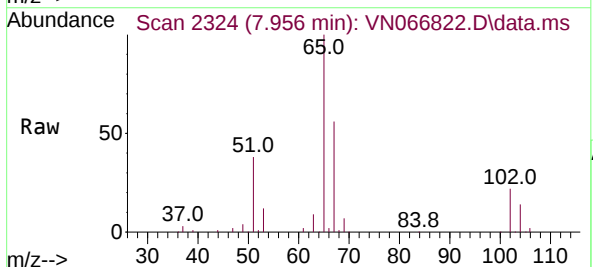
Instrument :
MSVOA_N
ClientSampleId :

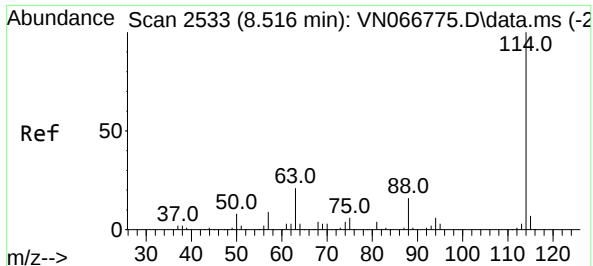
Tgt Ion:	56	Resp:	5285
Ion	Ratio	Lower	Upper
56	100		
69	166.7	26.6	39.8#
84	137.9	70.4	105.6#



#33
1,2-Dichloroethane-d4
Concen: 42.32 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion:	65	Resp:	170268
Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	107.2

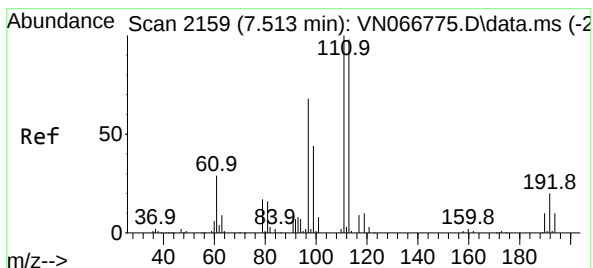
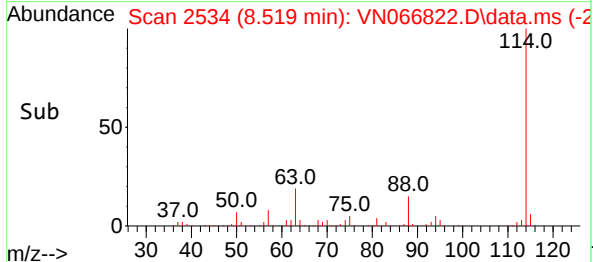
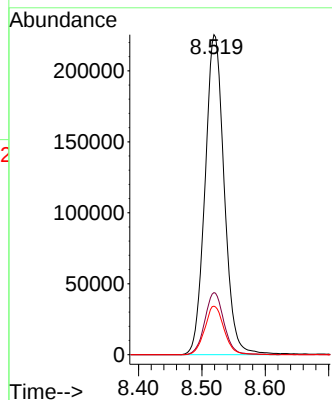
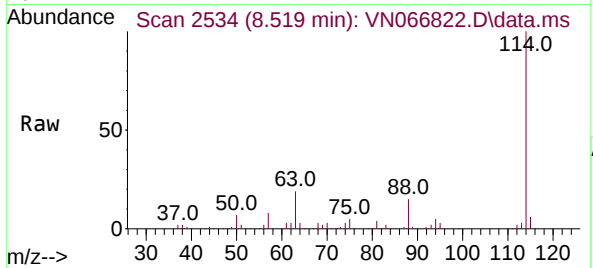




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

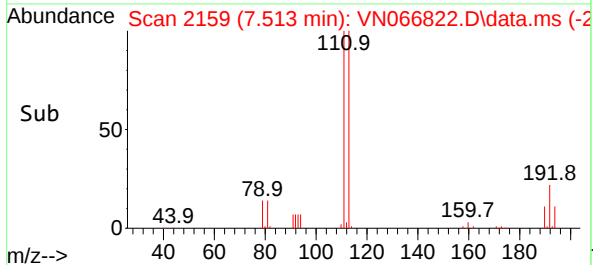
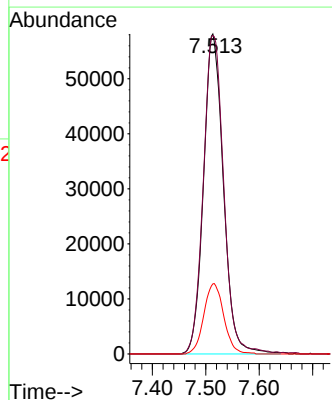
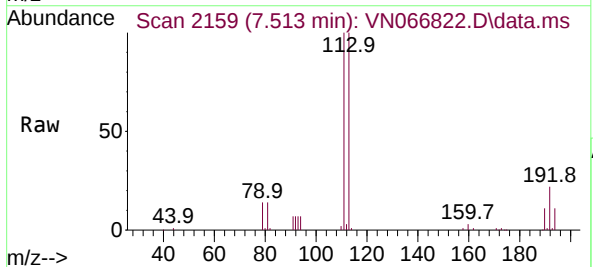
Instrument :
MSVOA_N
ClientSampled :

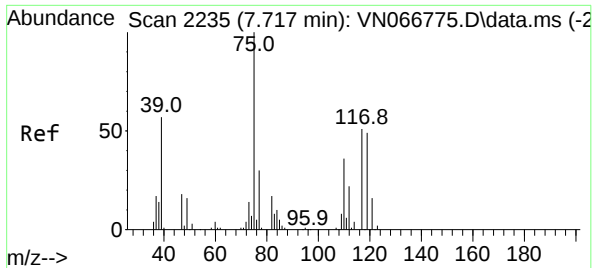
Tgt Ion:114 Resp: 473911
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.6
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.33 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

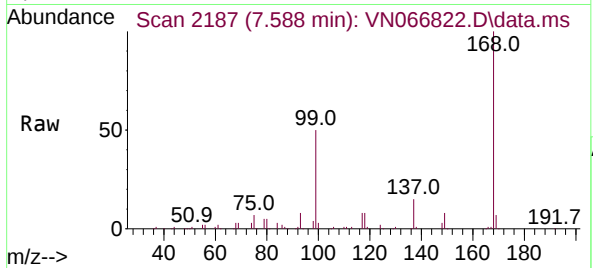
Tgt Ion:113 Resp: 150161
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 22.1 15.4 23.0



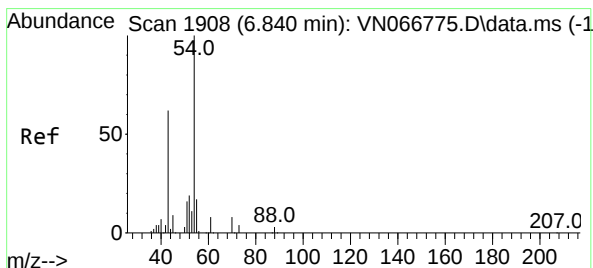
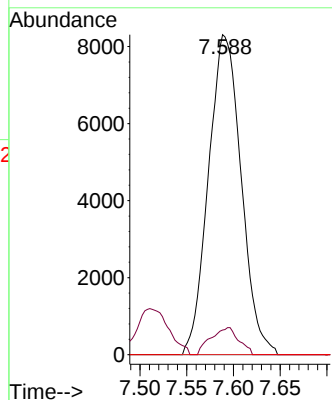
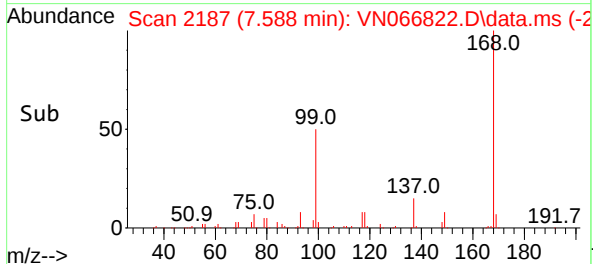


#36
1,1-Dichloropropene
Concen: 4.60 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

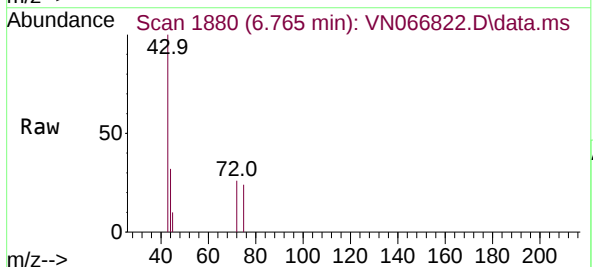
Instrument :
MSVOA_N
ClientSampled :



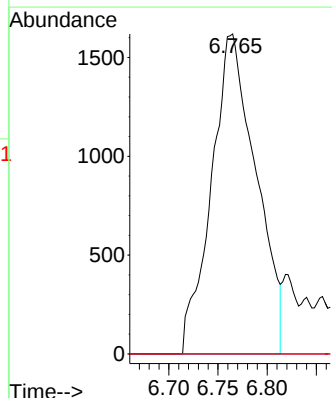
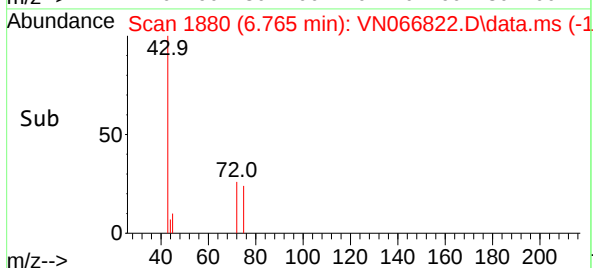
Tgt Ion: 75 Resp: 20246
Ion Ratio Lower Upper
75 100
110 7.2 18.2 54.6#
77 0.0 24.9 37.3#

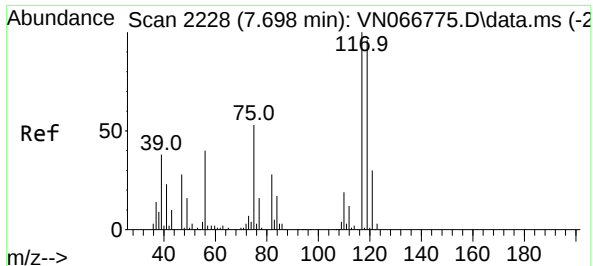


#37
Ethyl Acetate
Concen: 1.09 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. -0.075 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04



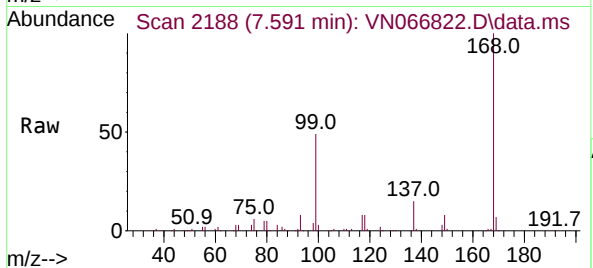
Tgt Ion: 43 Resp: 5119
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



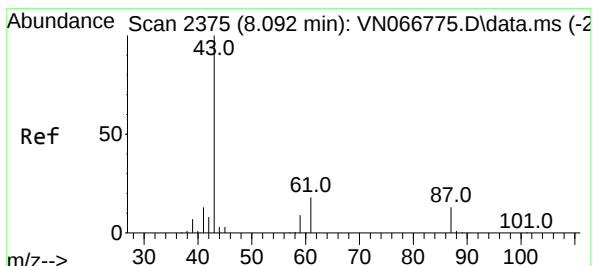
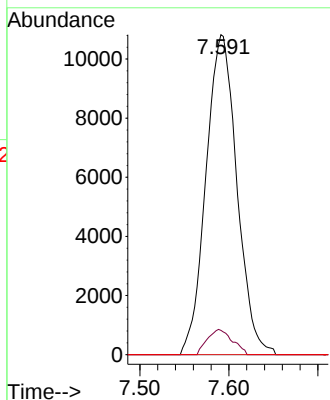
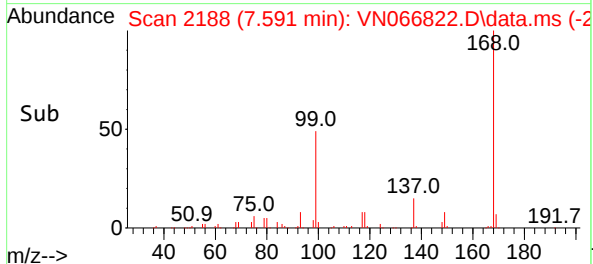


#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

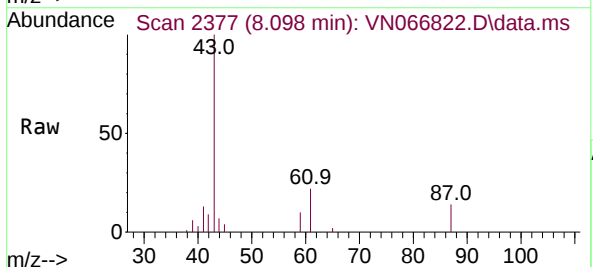
Instrument :
MSVOA_N
ClientSampled :



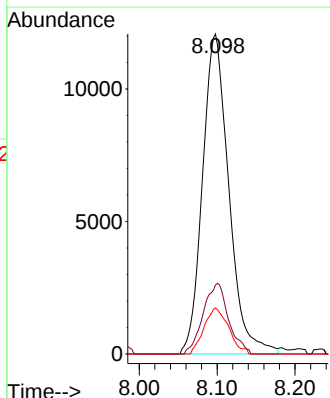
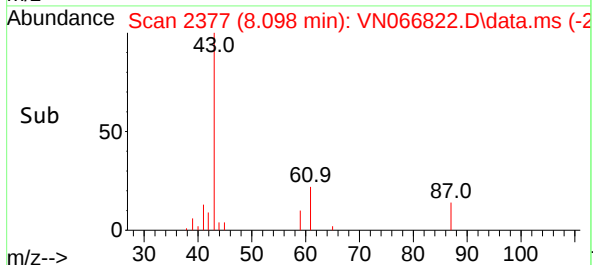
Tgt Ion:117 Resp: 26165
Ion Ratio Lower Upper
117 100
119 7.6 76.0 114.0#
121 0.0 24.5 36.7#

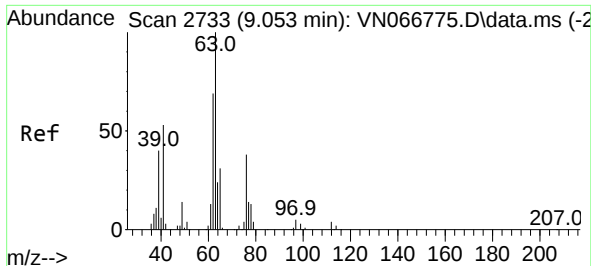


#43
Isopropyl Acetate
Concen: 3.81 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.006 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04



Tgt Ion: 43 Resp: 28350
Ion Ratio Lower Upper
43 100
61 21.3 22.5 33.7#
87 13.4 11.1 16.7



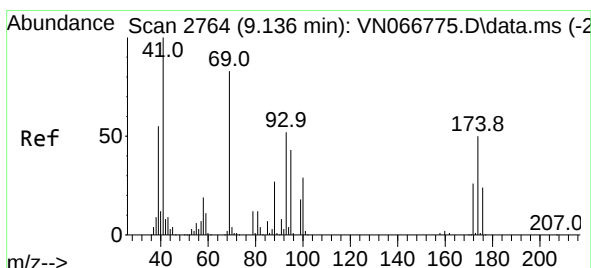
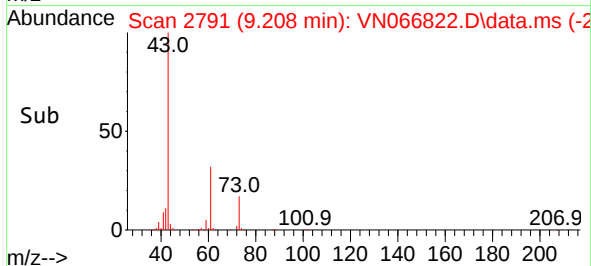
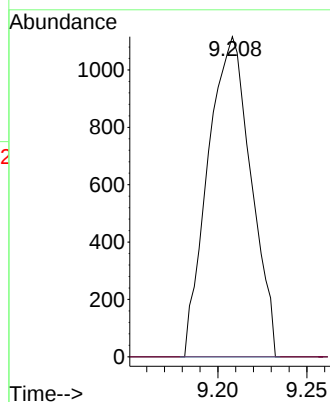
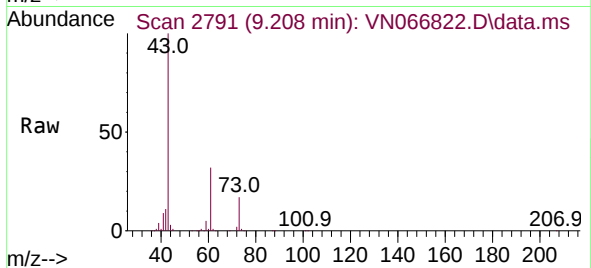


#45

1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.208 min Scan# 2791
Delta R.T. 0.155 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Instrument :
MSVOA_N
ClientSampled :

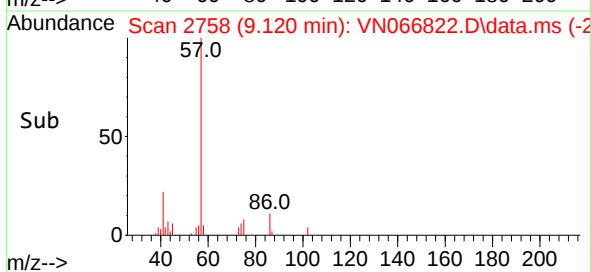
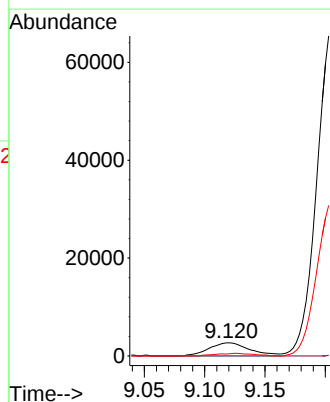
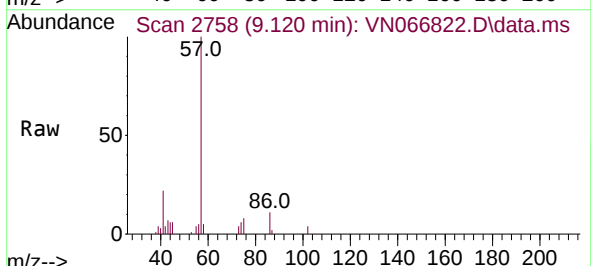
Tgt Ion: 63 Resp: 1877
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

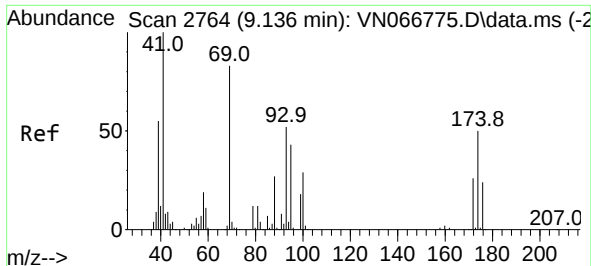


#48

Methyl methacrylate
Concen: 1.95 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion: 41 Resp: 6325
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 1.09 ug/l

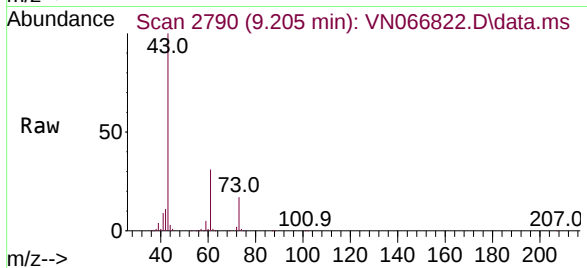
RT: 9.205 min Scan# 2790

Delta R.T. 0.069 min

Lab File: VN066822.D

Acq: 28 Apr 2021 19:04

Instrument :
MSVOA_N
ClientSampled :



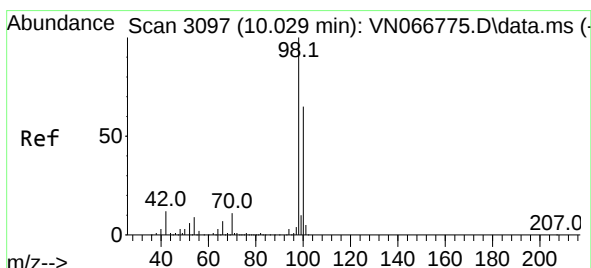
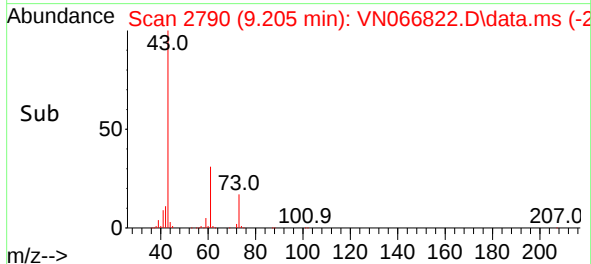
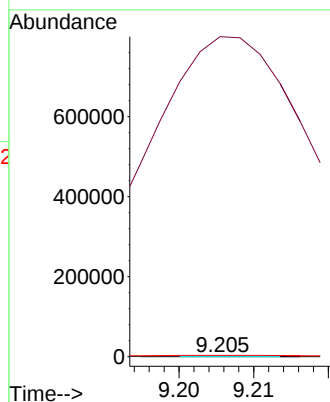
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 2856705.7 24.7 37.1#

58 12892.5 52.6 78.8#



#50

Toluene-d8

Concen: 51.11 ug/l

RT: 10.029 min Scan# 3097

Delta R.T. -0.000 min

Lab File: VN066822.D

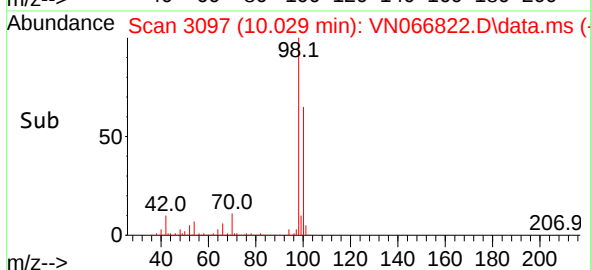
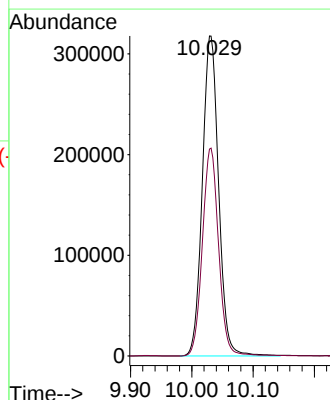
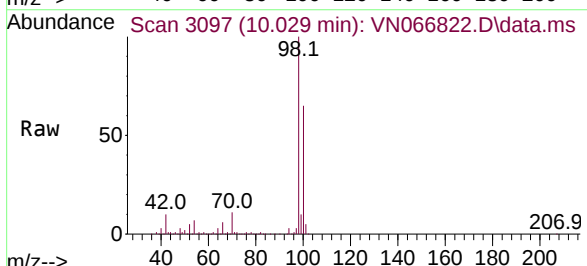
Acq: 28 Apr 2021 19:04

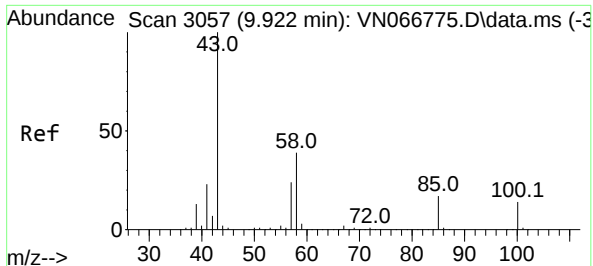
Tgt Ion: 98 Resp: 586915

Ion Ratio Lower Upper

98 100

100 64.4 50.5 75.7

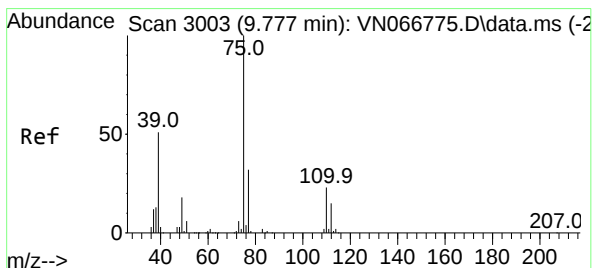
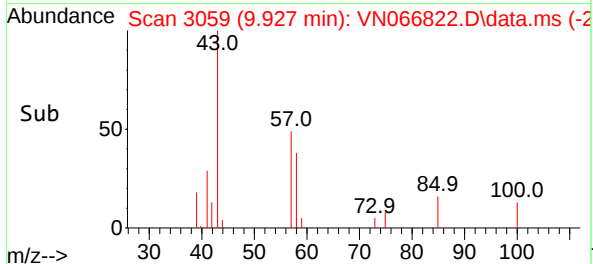
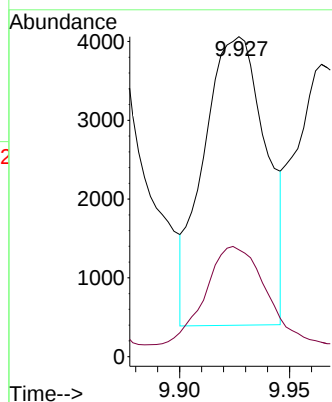
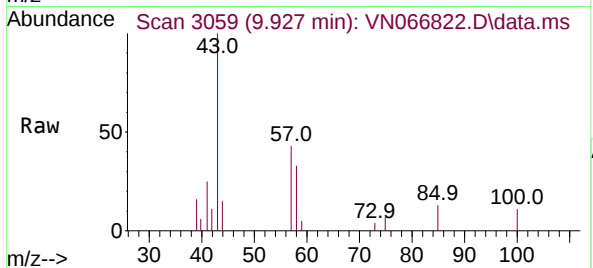




#51
4-Methyl-2-Pentanone
Concen: 1.79 ug/l
RT: 9.927 min Scan# 3059
Delta R.T. 0.005 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

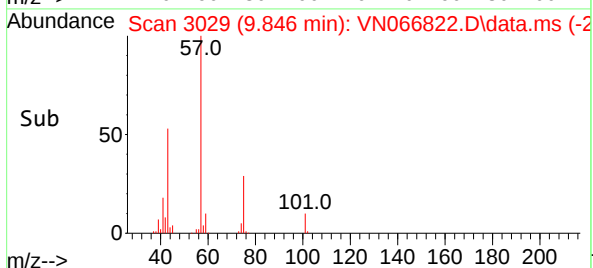
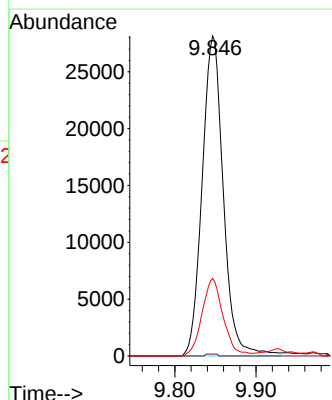
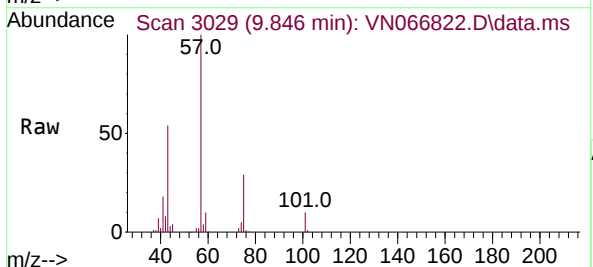
Instrument :
MSVOA_N
ClientSampled :

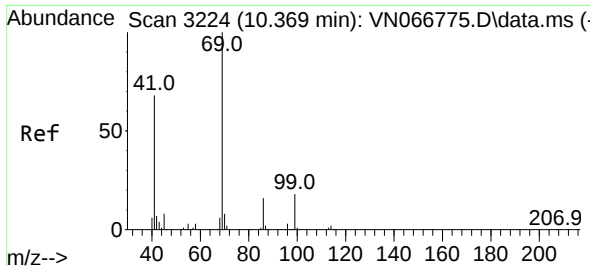
Tgt Ion: 43 Resp: 7215
Ion Ratio Lower Upper
43 100
58 43.6 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 9.08 ug/l
RT: 9.846 min Scan# 3029
Delta R.T. 0.069 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion: 75 Resp: 50827
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 24.2 36.2 54.4#

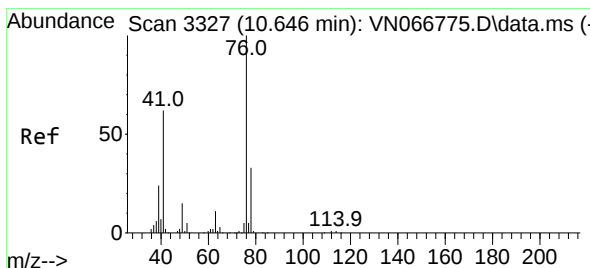
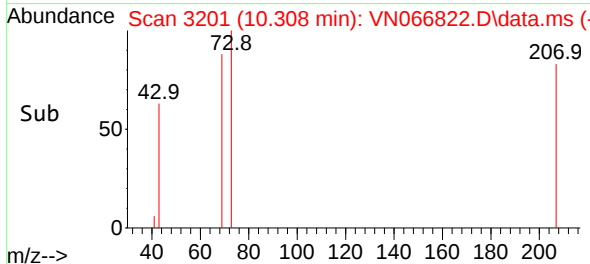
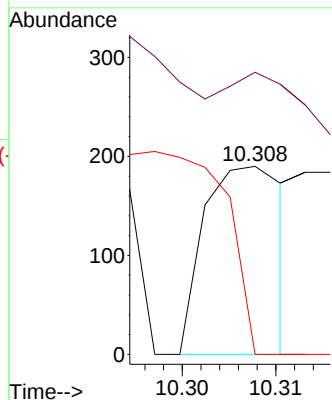
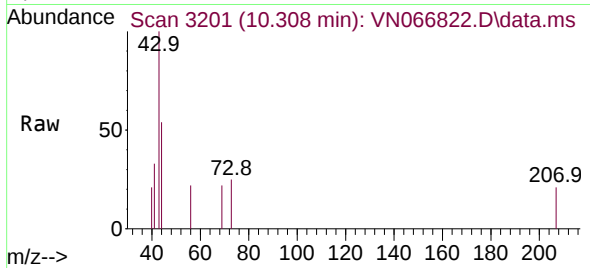




#56
Ethyl methacrylate
Concen: 3.19 ug/l
RT: 10.308 min Scan# 3201
Delta R.T. -0.061 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

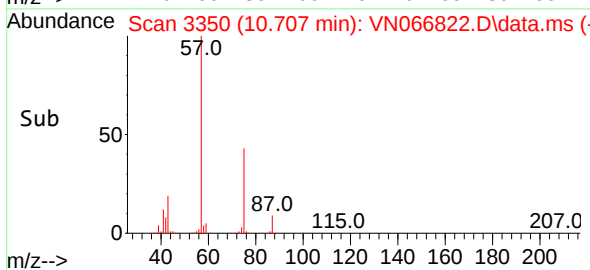
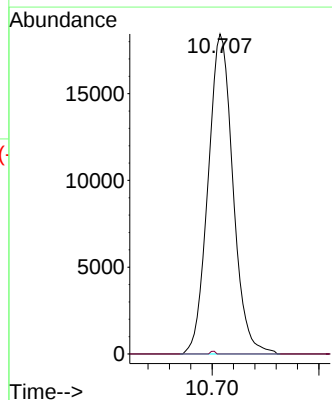
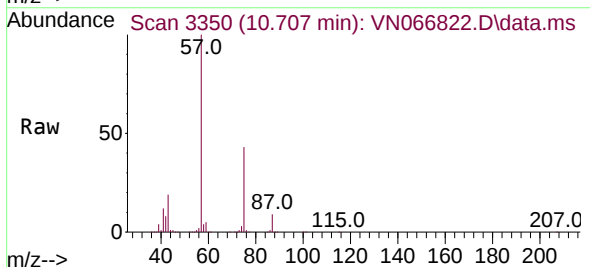
Instrument :
MSVOA_N
ClientSampled :

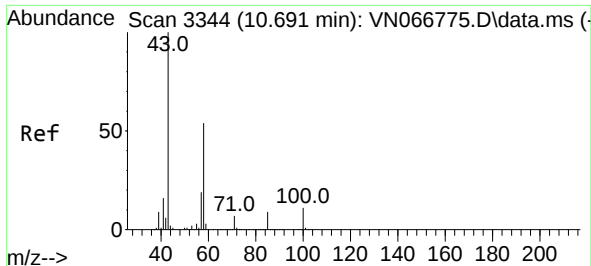
Tgt Ion: 69 Resp: 113
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 5.52 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion: 76 Resp: 29830
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

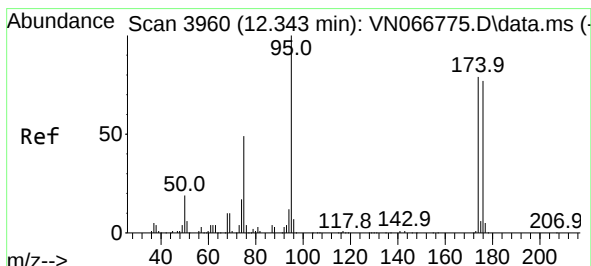
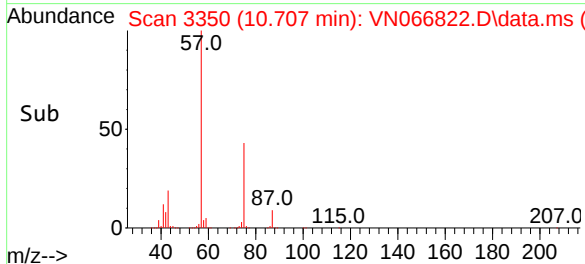
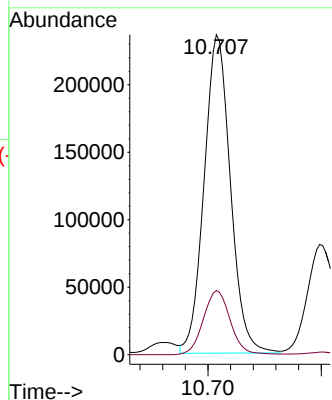
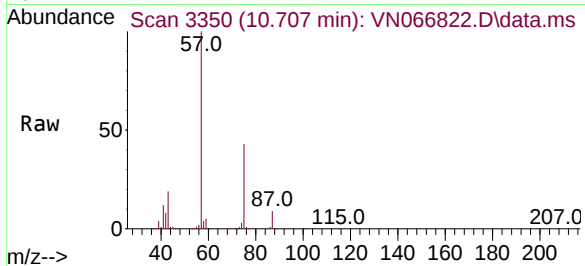




#59
2-Hexanone
Concen: 129.80 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

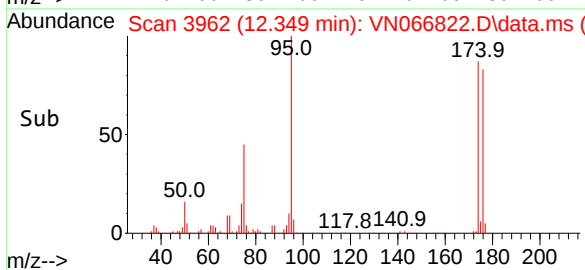
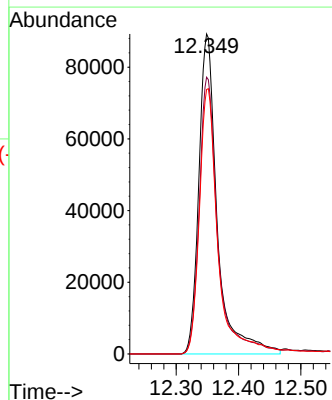
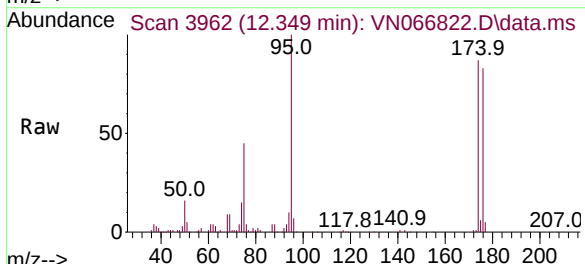
Instrument :
MSVOA_N
ClientSampled :

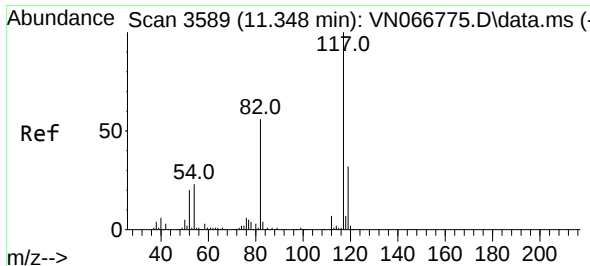
Tgt Ion: 43 Resp: 380154
Ion Ratio Lower Upper
43 100
58 20.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.32 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion: 95 Resp: 183863
Ion Ratio Lower Upper
95 100
174 87.2 0.0 169.0
176 84.6 0.0 162.4

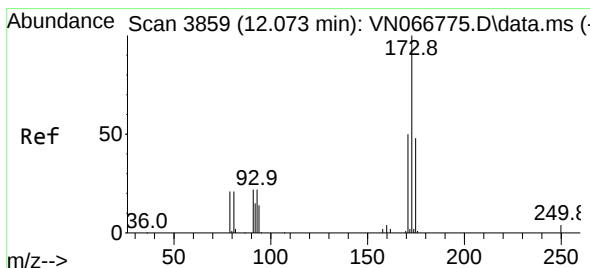
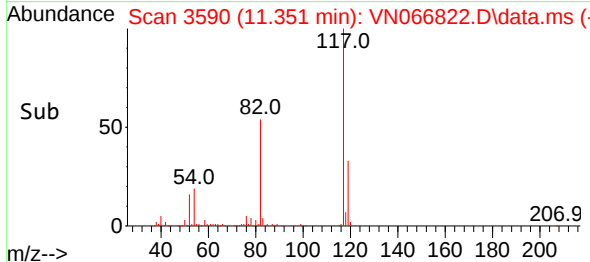
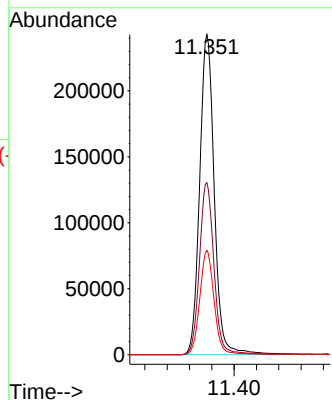
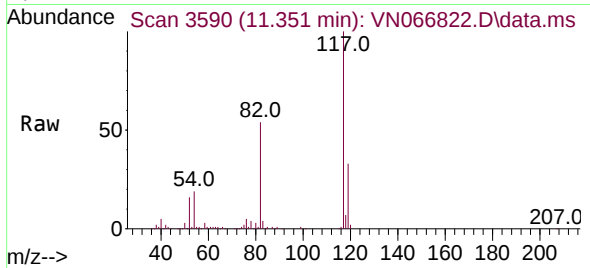




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

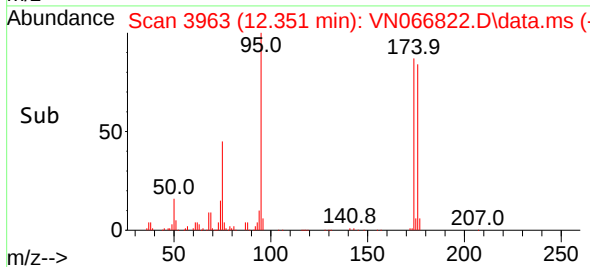
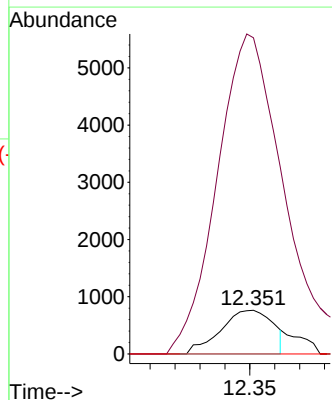
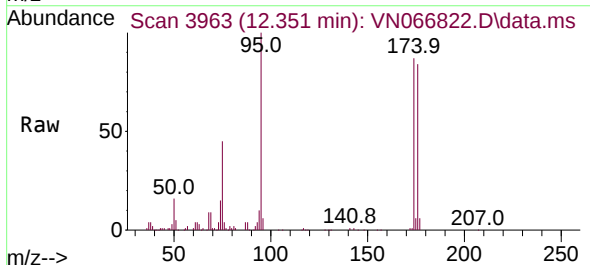
Instrument :
MSVOA_N
ClientSampleId :

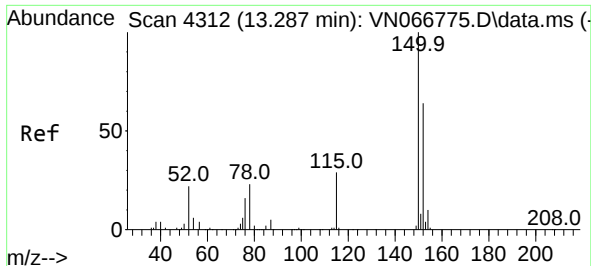
Tgt Ion:117 Resp: 441106
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.6 26.1 39.1



#71
Bromoform
Concen: 0.47 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.278 min
Lab File: VN066822.D
Acq: 28 Apr 2021 19:04

Tgt Ion:173 Resp: 1119
Ion Ratio Lower Upper
173 100
175 769.1 23.8 71.2#
254 0.0 0.0 0.0

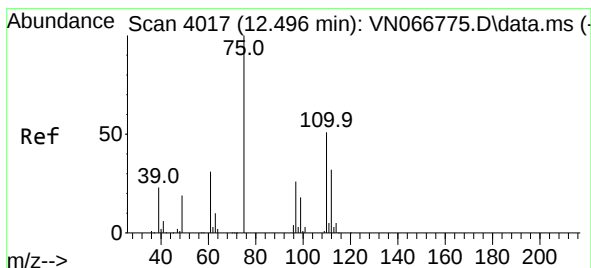
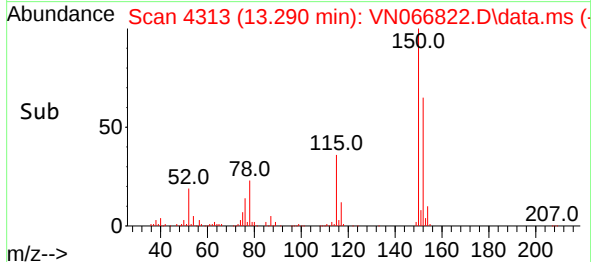
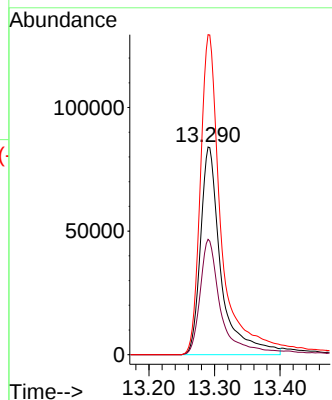
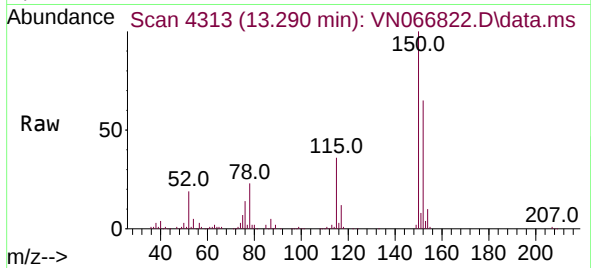




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.290 min Scan# 4313
 Delta R.T. 0.003 min
 Lab File: VN066822.D
 Acq: 28 Apr 2021 19:04

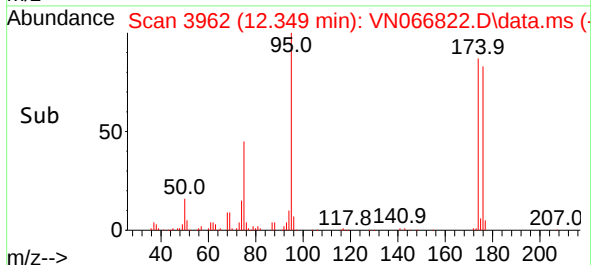
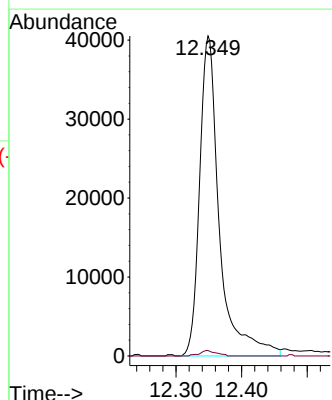
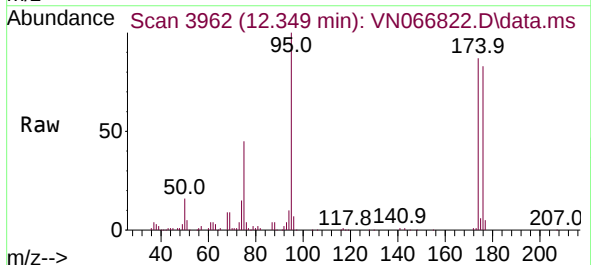
Instrument :
 MSVOA_N
 ClientSampled :

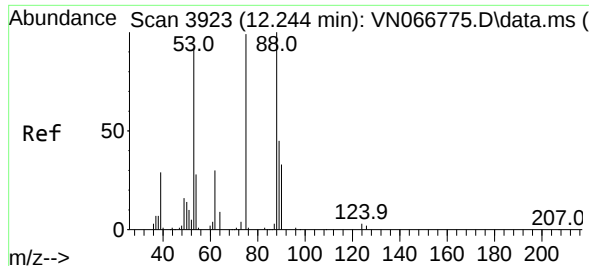
Tgt Ion:152 Resp: 183044
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.5 85.6
 150 162.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 21.97 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. -0.147 min
 Lab File: VN066822.D
 Acq: 28 Apr 2021 19:04

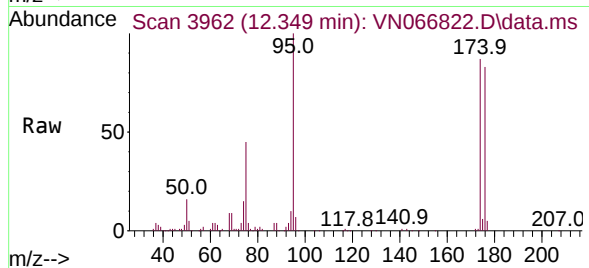
Tgt Ion: 75 Resp: 84763
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.77 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. 0.105 min
 Lab File: VN066822.D
 Acq: 28 Apr 2021 19:04

Instrument :
 MSVOA_N
 ClientSampleId :



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

