

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066785.D
 Acq On : 27 Apr 2021 16:50
 Operator : JC/MD
 Sample : PB135974ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:11:19 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)

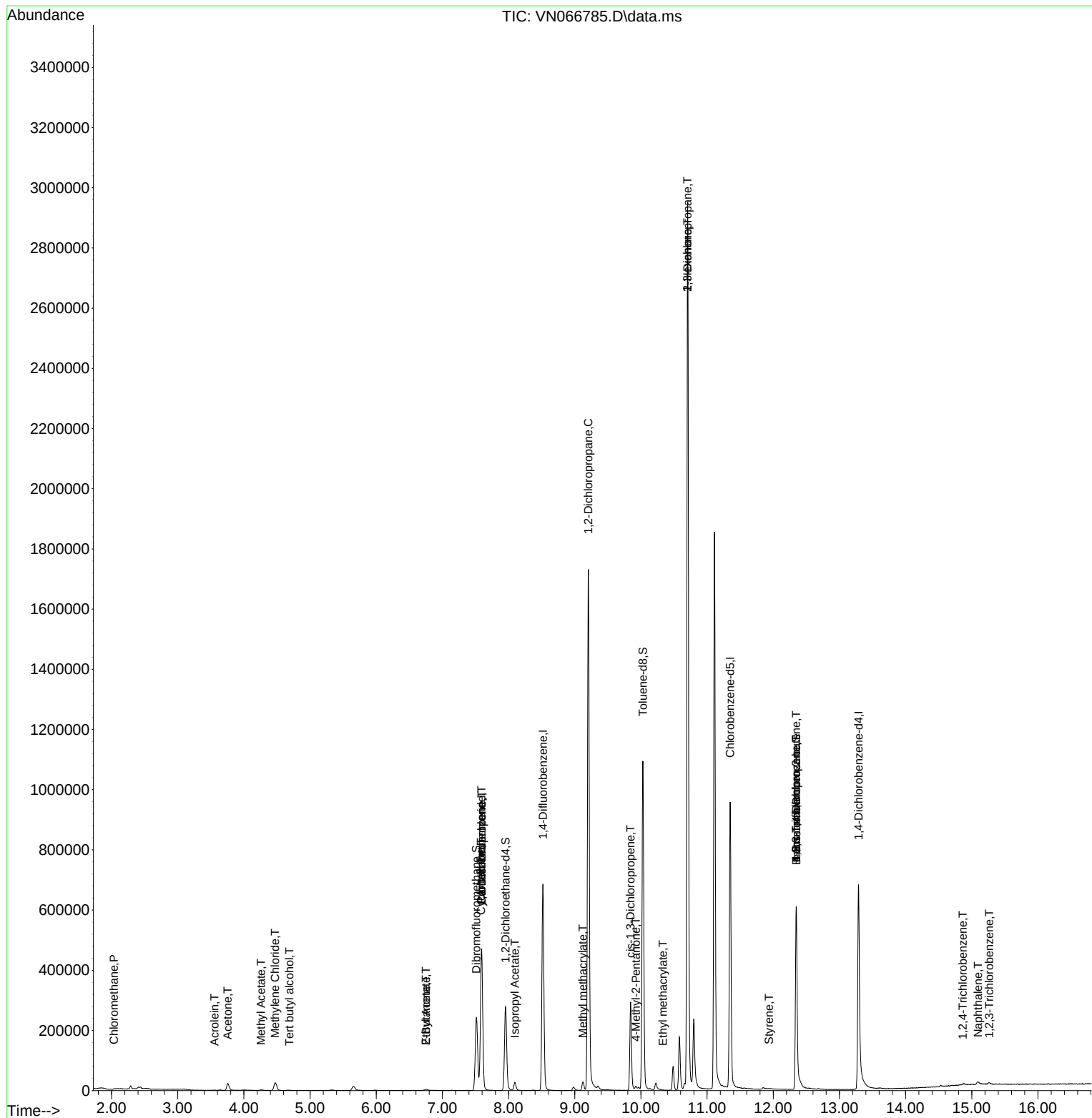
Internal Standards						
1) Pentafluorobenzene	7.591	168	405134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	629617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	567385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	239009	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	244894	47.05	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 94.10%			
35) Dibromofluoromethane	7.513	113	194955	50.16	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.32%			
50) Toluene-d8	10.029	98	773541	50.71	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.42%			
62) 4-Bromofluorobenzene	12.346	95	250571	48.55	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.10%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.037	50	1279	0.22	ug/l #	83
11) Tert butyl alcohol	4.687	59	210	0.26	ug/l #	73
13) Acrolein	3.555	56	1040	1.55	ug/l #	65
16) Acetone	3.756	43	40451	20.60	ug/l	96
18) Methyl Acetate	4.257	43	1925	1.47	ug/l #	83
20) Methylene Chloride	4.472	84	19841	3.99	ug/l	97
25) 2-Butanone	6.752	43	2393	0.87	ug/l	91
31) Cyclohexane	7.586	56	7929	0.99	ug/l #	3
36) 1,1-Dichloropropene	7.594	75	29926	5.12	ug/l #	48
37) Ethyl Acetate	6.752	43	2393	0.39	ug/l #	68
38) Carbon Tetrachloride	7.591	117	35772	6.38	ug/l #	17
43) Isopropyl Acetate	8.093	43	33197	3.36	ug/l #	89
45) 1,2-Dichloropropane	9.203	63	2097	0.43	ug/l #	44
48) Methyl methacrylate	9.120	41	7423	1.72	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	9716	1.81	ug/l	93
54) cis-1,3-Dichloropropene	9.844	75	54454	7.32	ug/l #	62
56) Ethyl methacrylate	10.332	69	79	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	31187	4.34	ug/l #	43
59) 2-Hexanone	10.705	43	445495	116.79	ug/l #	49
70) Styrene	11.933	104	203	3.06	ug/l #	34
71) Bromoform	12.349	173	1530	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	123136	24.44	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	123136	65.69	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.865	180	978	0.24	ug/l #	45
95) Naphthalene	15.093	128	12265	1.16	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.264	180	2755	0.69	ug/l	90

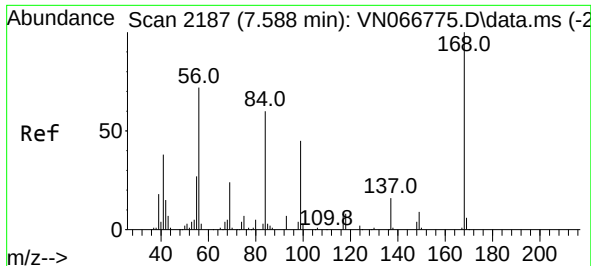
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

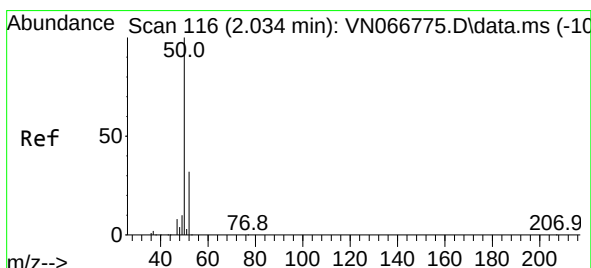
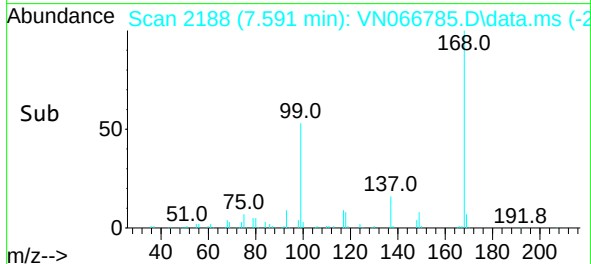
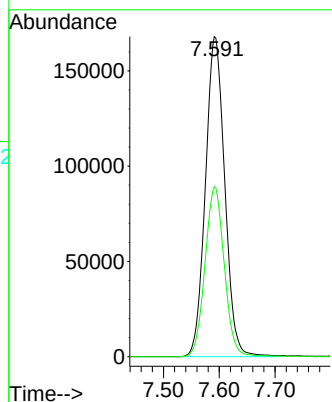
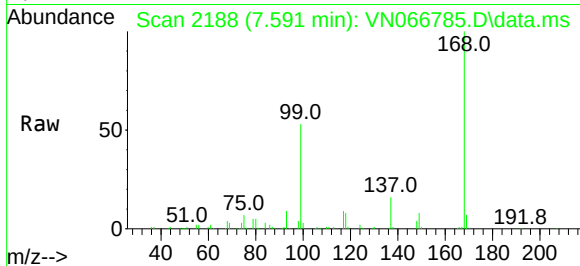




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

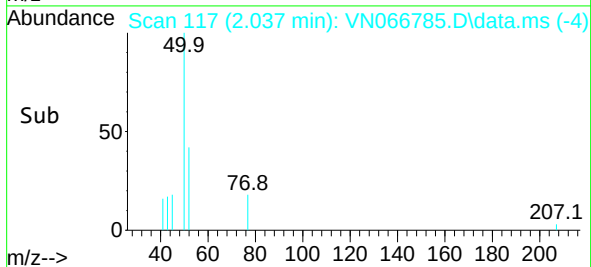
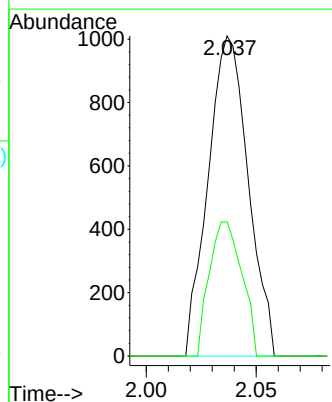
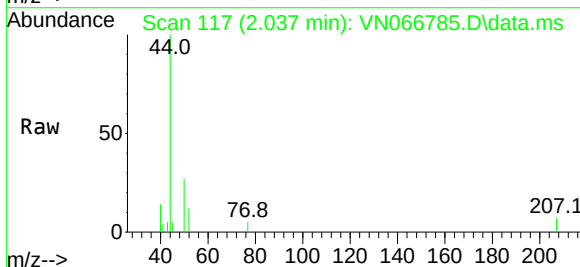
Instrument :
MSVOA_N
ClientSampled :

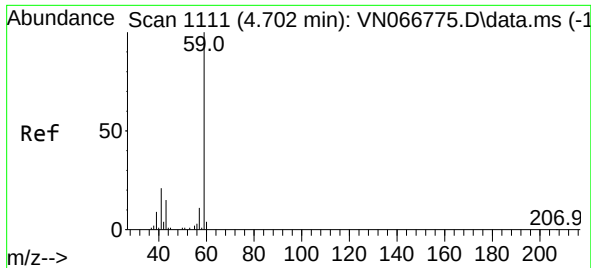
Tgt Ion:168 Resp: 405134
Ion Ratio Lower Upper
168 100
99 53.1 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

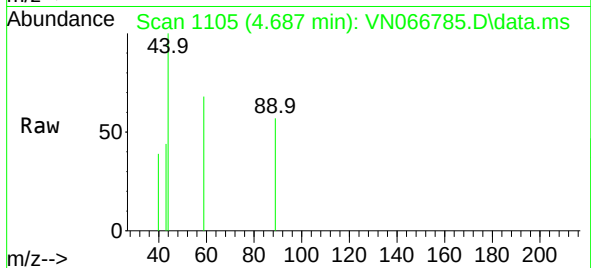
Tgt Ion: 50 Resp: 1279
Ion Ratio Lower Upper
50 100
52 42.0 25.8 38.8#



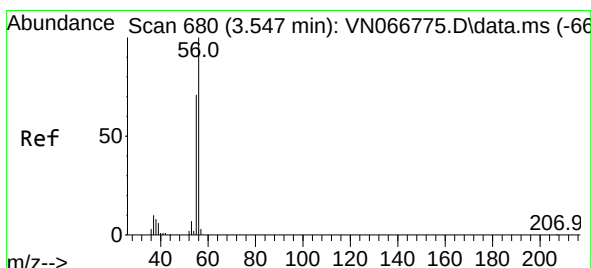
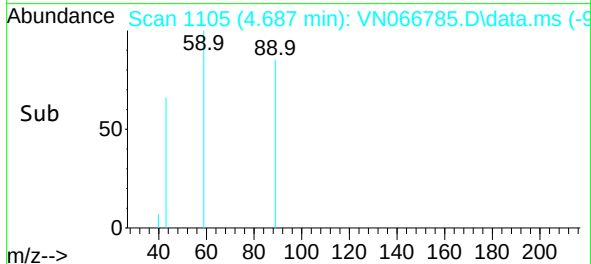
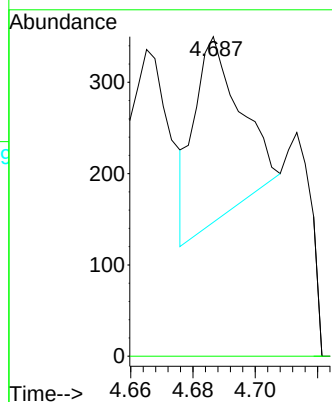


#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 4.687 min Scan# 1105
Delta R.T. -0.015 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Instrument :
MSVOA_N
ClientSampled :

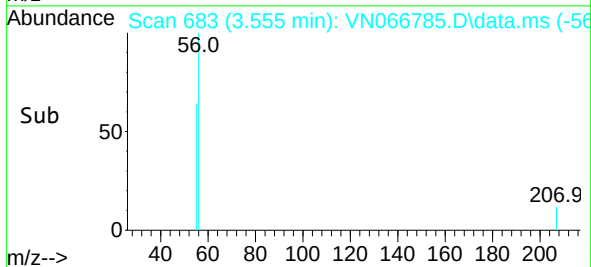
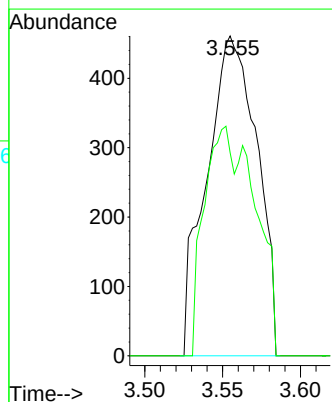
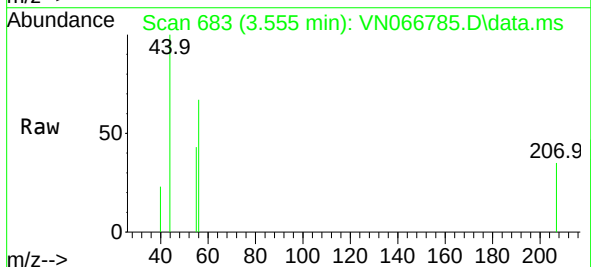


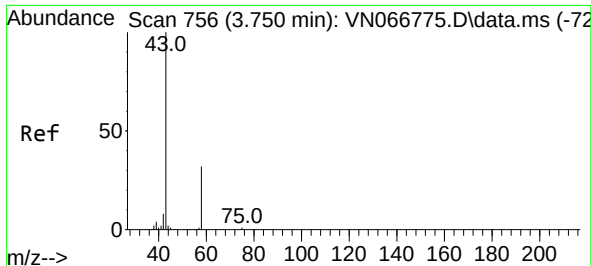
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.55 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion: 56 Resp: 1040
Ion Ratio Lower Upper
56 100
55 41.3 56.0 84.0#

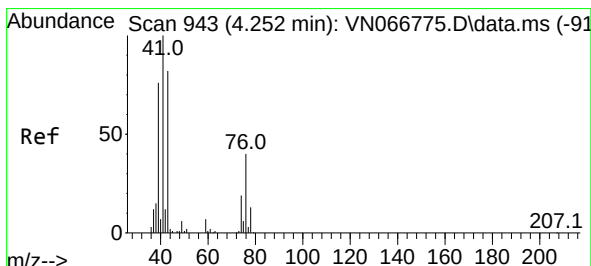
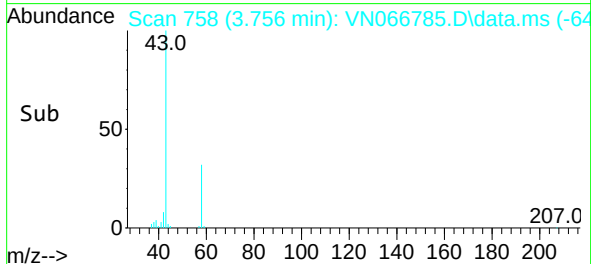
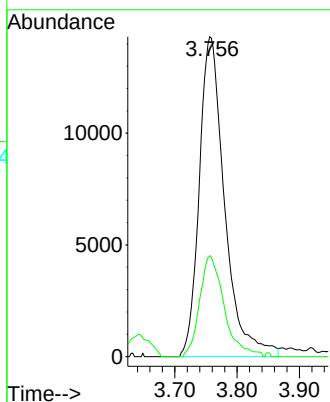
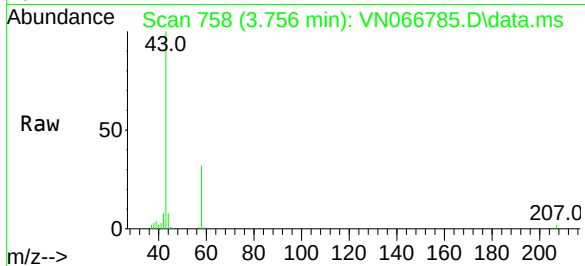




#16
Acetone
Concen: 20.60 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

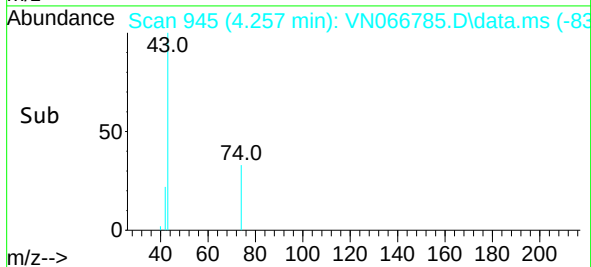
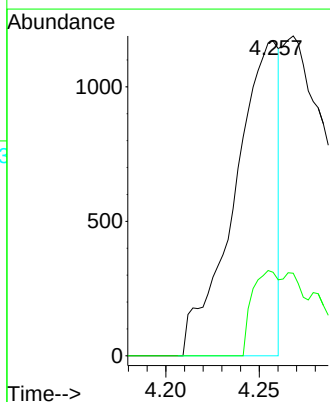
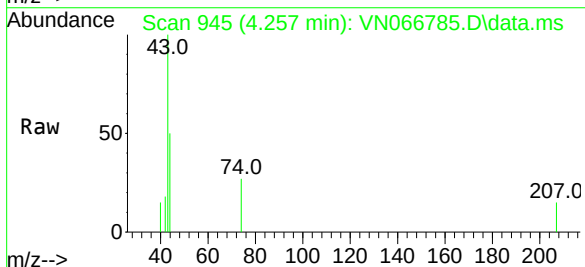
Instrument :
MSVOA_N
ClientSampled :

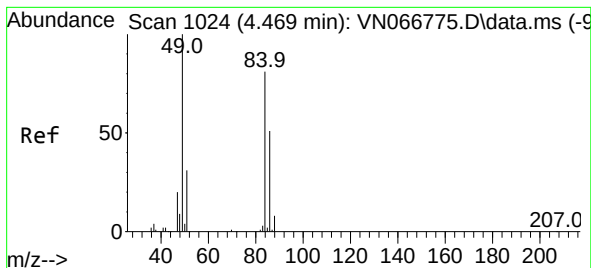
Tgt Ion: 43 Resp: 40451
Ion Ratio Lower Upper
43 100
58 31.5 27.0 40.6



#18
Methyl Acetate
Concen: 1.47 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion: 43 Resp: 1925
Ion Ratio Lower Upper
43 100
74 16.0 19.5 29.3#





#20

Methylene Chloride

Concen: 3.99 ug/l

RT: 4.472 min Scan# 1025

Delta R.T. 0.003 min

Lab File: VN066785.D

Acq: 27 Apr 2021 16:50

Tgt Ion: 84 Resp: 19841

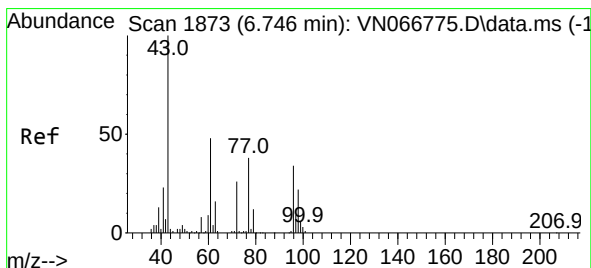
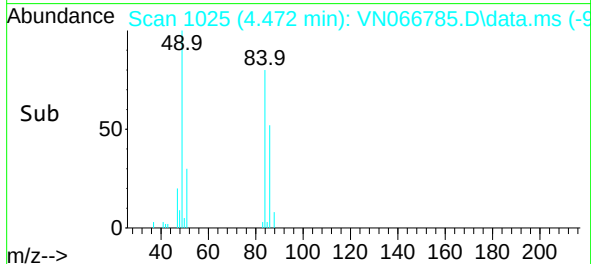
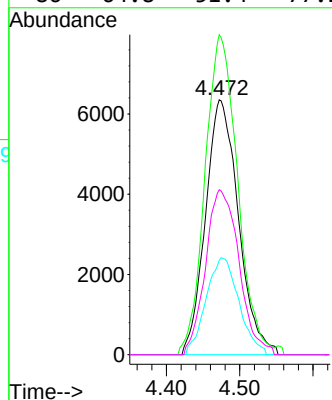
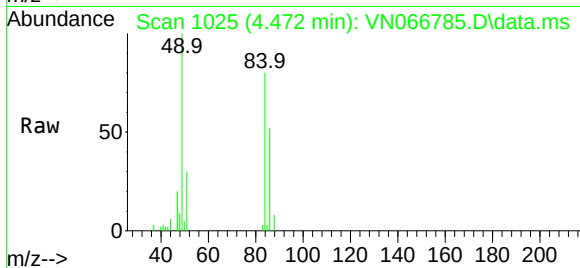
Ion Ratio Lower Upper

84 100

49 122.9 94.6 141.8

51 37.1 29.9 44.9

86 64.8 51.4 77.2



#25

2-Butanone

Concen: 0.87 ug/l

RT: 6.752 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN066785.D

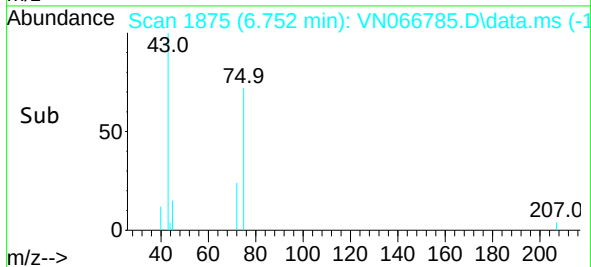
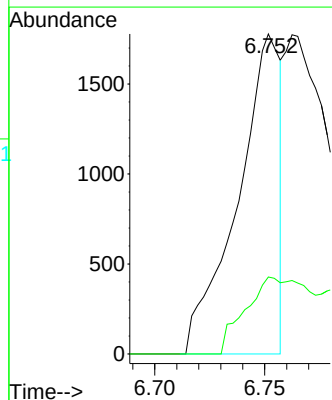
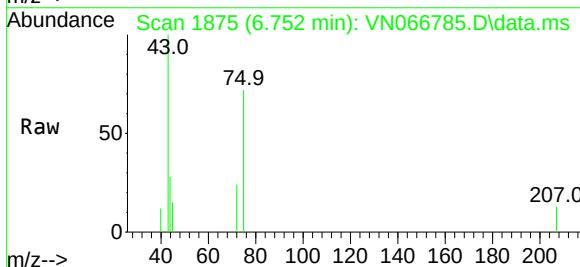
Acq: 27 Apr 2021 16:50

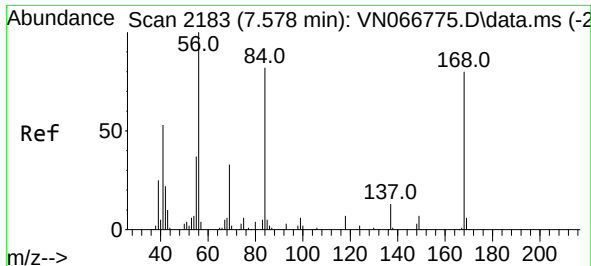
Tgt Ion: 43 Resp: 2393

Ion Ratio Lower Upper

43 100

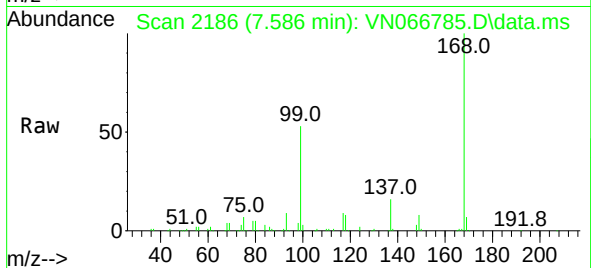
72 24.1 23.1 34.7



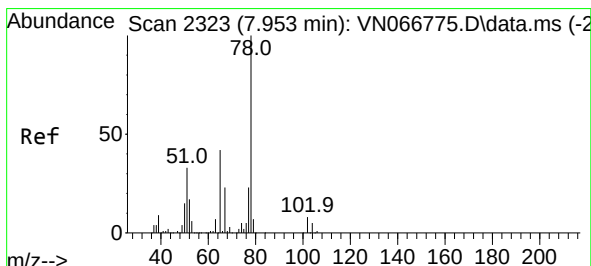
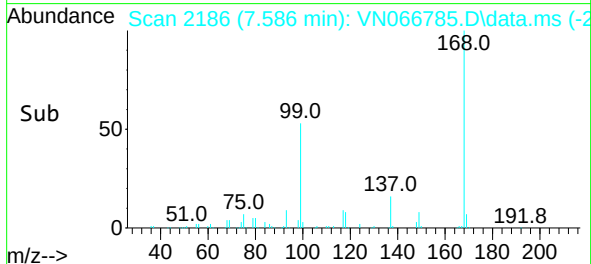
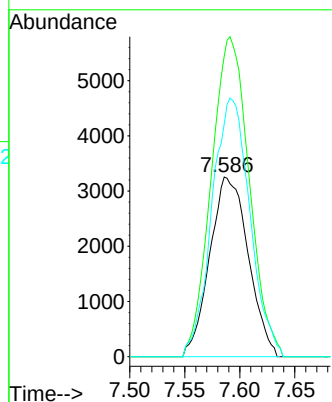


#31
Cyclohexane
Concen: 0.99 ug/l
RT: 7.586 min Scan# 2186
Delta R.T. 0.008 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Instrument :
MSVOA_N
ClientSampled :

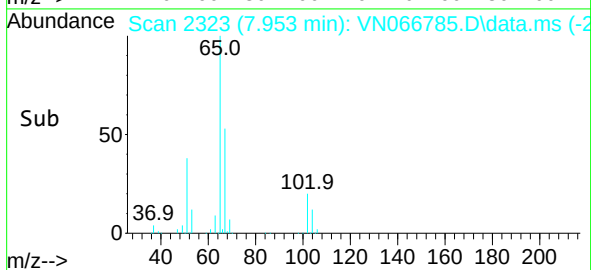
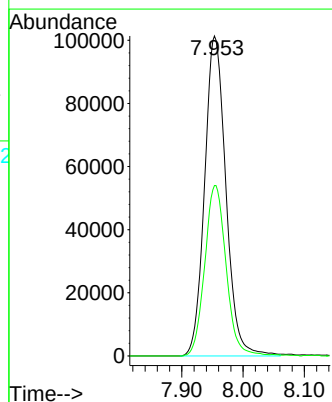
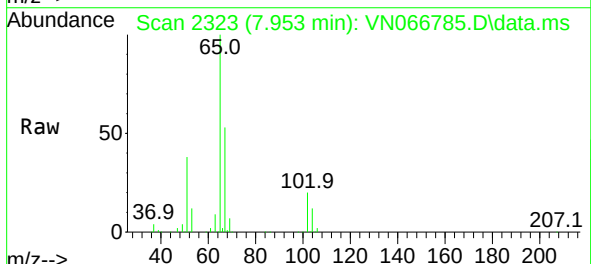


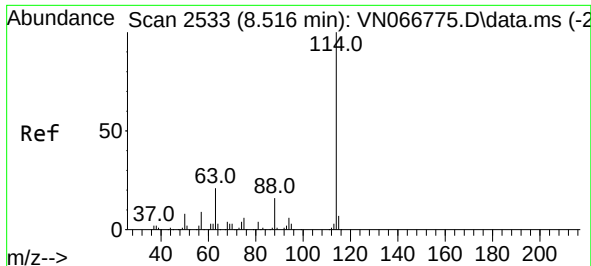
Tgt Ion: 56 Resp: 7929
Ion Ratio Lower Upper
56 100
69 167.2 26.6 39.8#
84 129.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 47.05 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion: 65 Resp: 244894
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.2

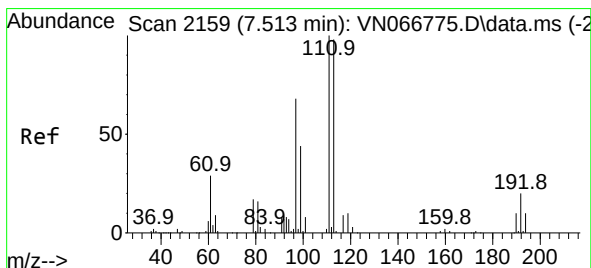
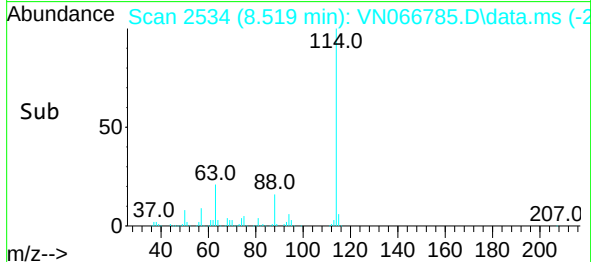
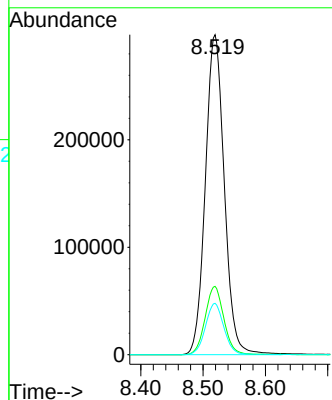
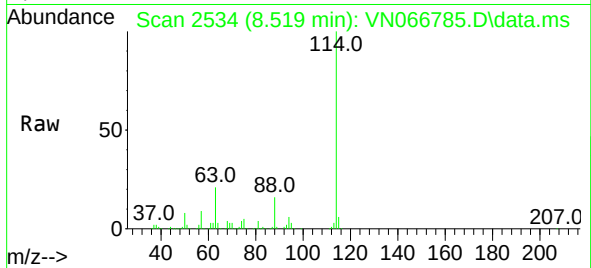




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

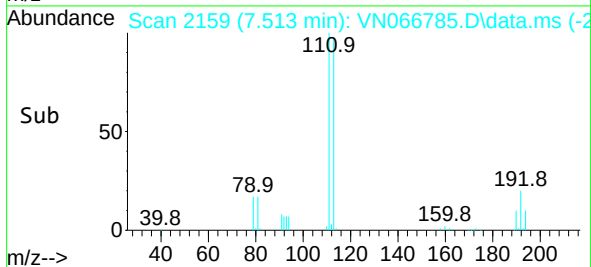
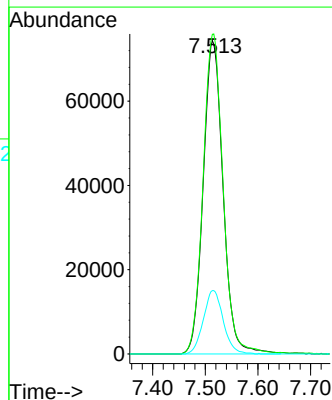
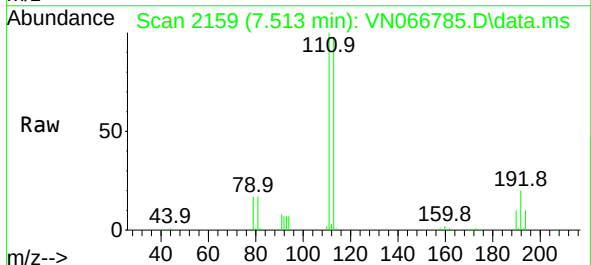
Instrument :
MSVOA_N
ClientSampleId :

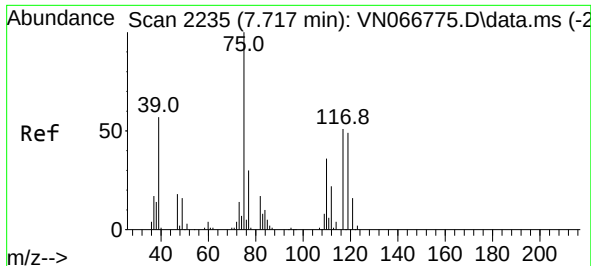
Tgt Ion:114 Resp: 629617
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.6
88 16.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.16 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

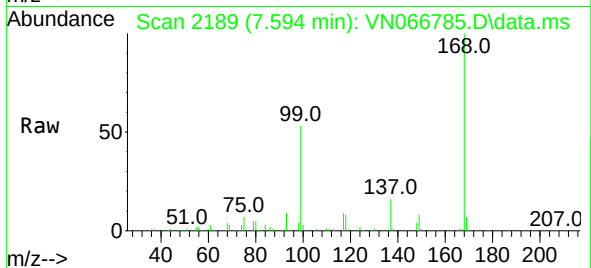
Tgt Ion:113 Resp: 194955
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.2 15.4 23.0



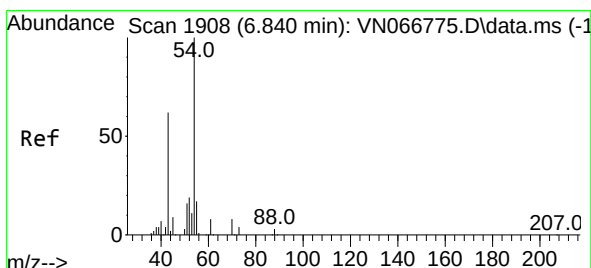
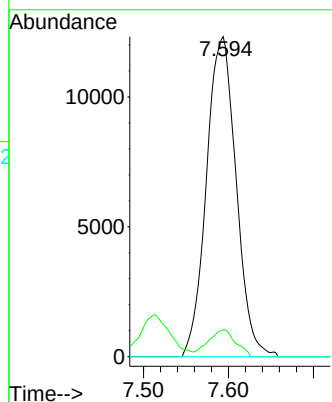
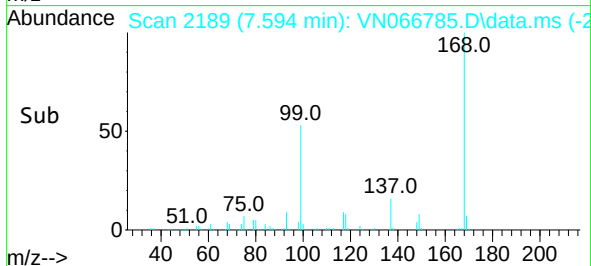


#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

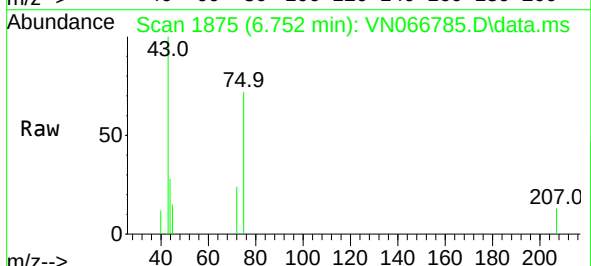
Instrument :
MSVOA_N
ClientSampleId :



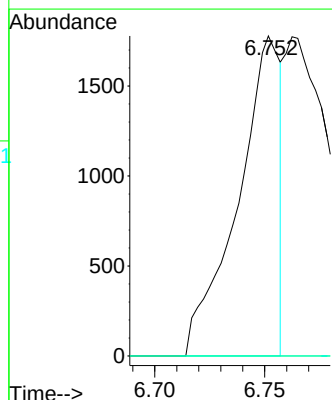
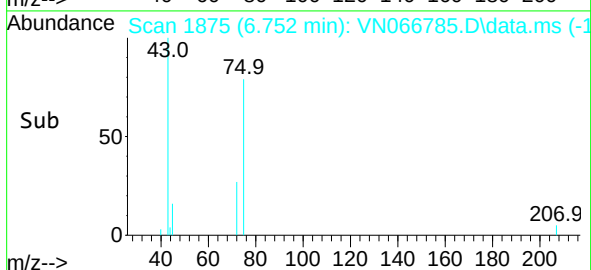
Tgt Ion: 75 Resp: 29926
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#

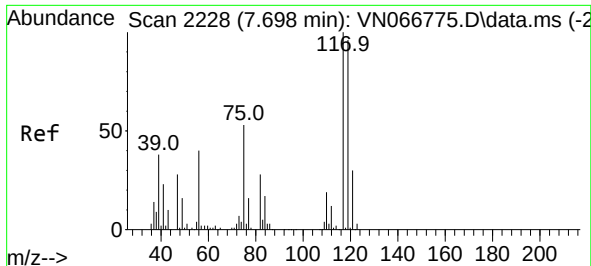


#37
Ethyl Acetate
Concen: 0.39 ug/l
RT: 6.752 min Scan# 1875
Delta R.T. -0.088 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50



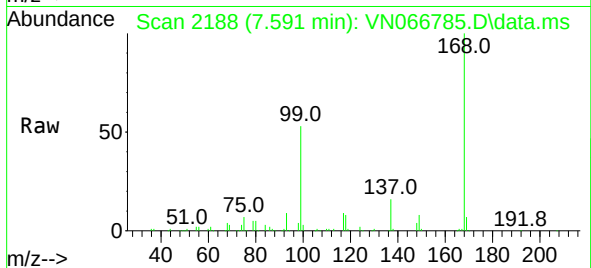
Tgt Ion: 43 Resp: 2393
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



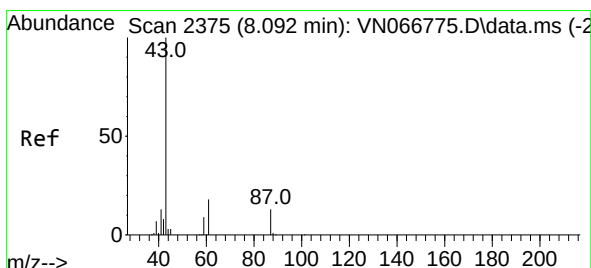
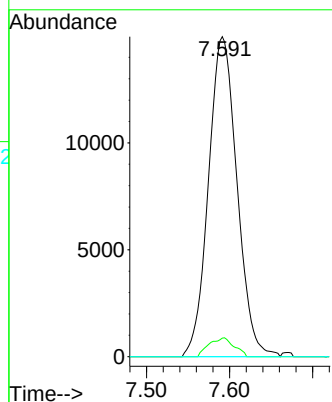
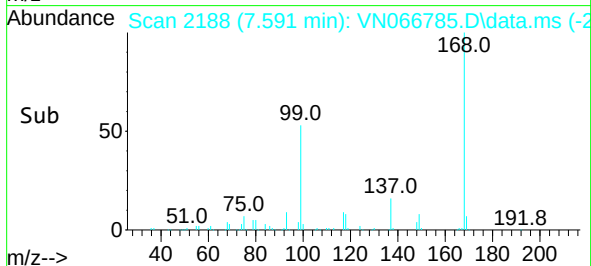


#38
Carbon Tetrachloride
Concen: 6.38 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

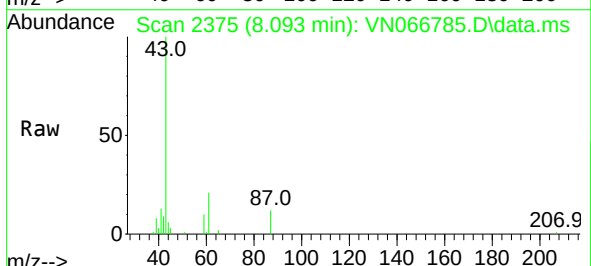
Instrument :
MSVOA_N
ClientSampleId :



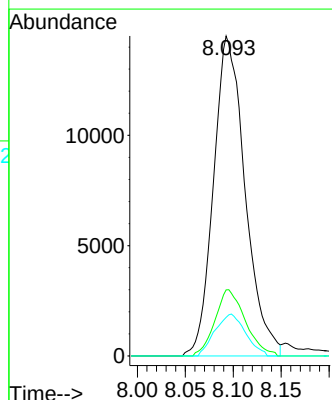
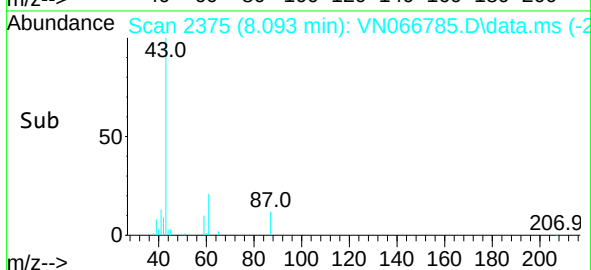
Tgt Ion: 117 Resp: 35772
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.5 36.7#

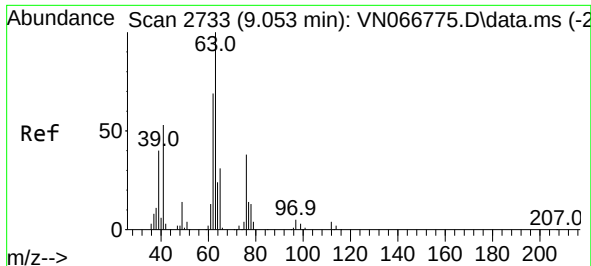


#43
Isopropyl Acetate
Concen: 3.36 ug/l
RT: 8.093 min Scan# 2375
Delta R.T. 0.001 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50



Tgt Ion: 43 Resp: 33197
Ion Ratio Lower Upper
43 100
61 19.9 22.5 33.7#
87 12.7 11.1 16.7

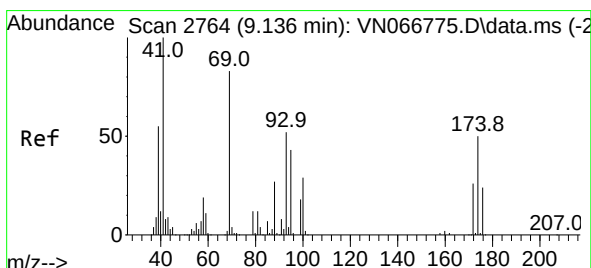
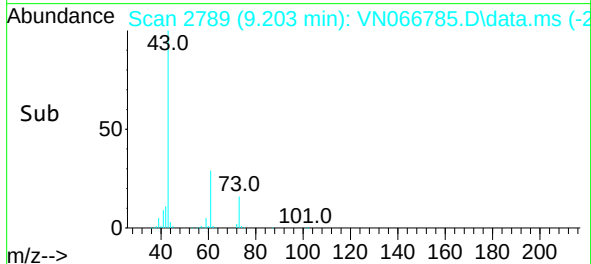
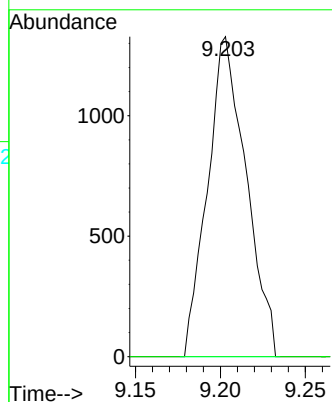
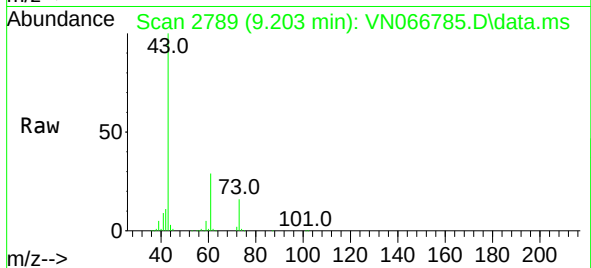




#45
1,2-Dichloropropane
Concen: 0.43 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

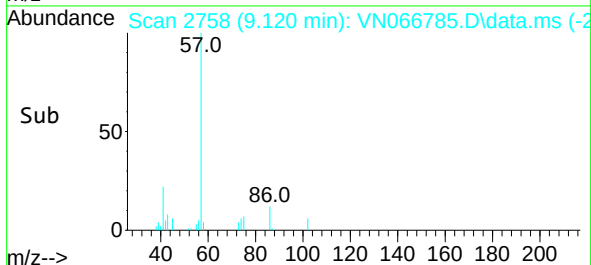
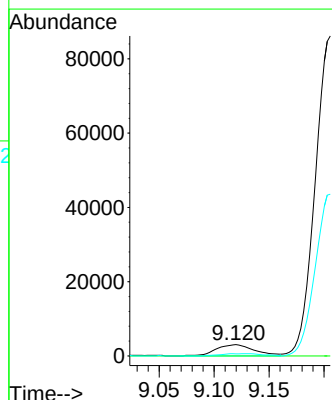
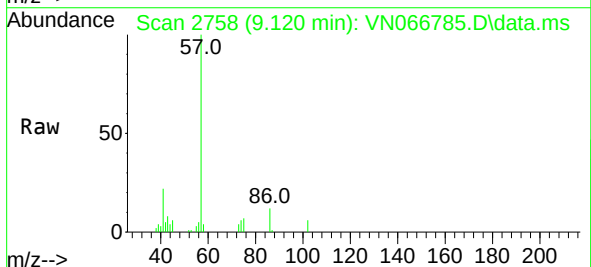
Instrument :
MSVOA_N
ClientSampled :

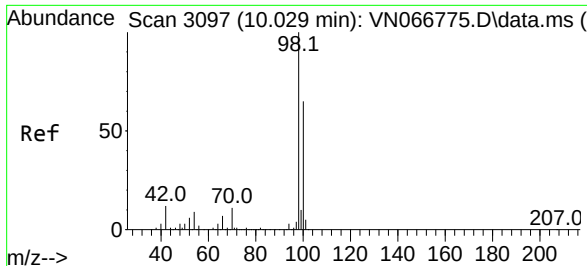
Tgt Ion: 63 Resp: 2097
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.72 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion: 41 Resp: 7423
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

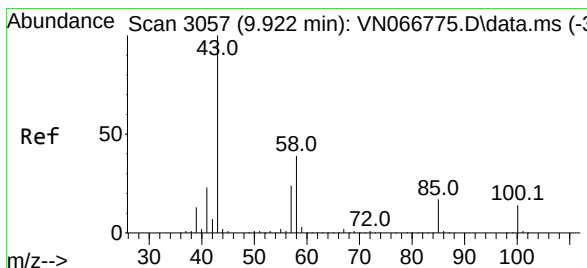
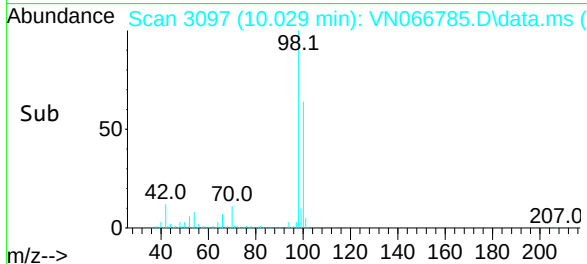
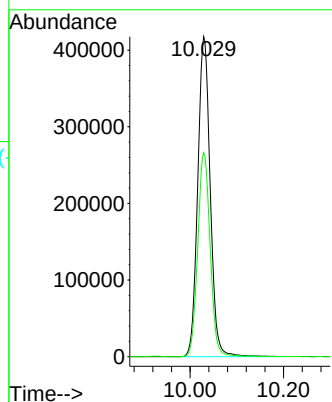
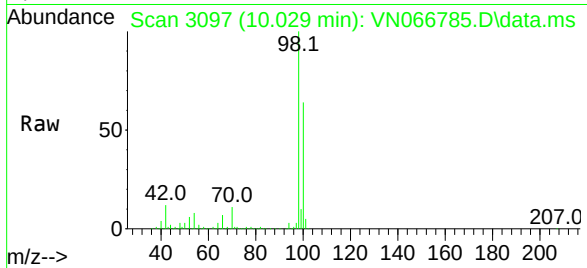




#50
Toluene-d8
Concen: 50.71 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

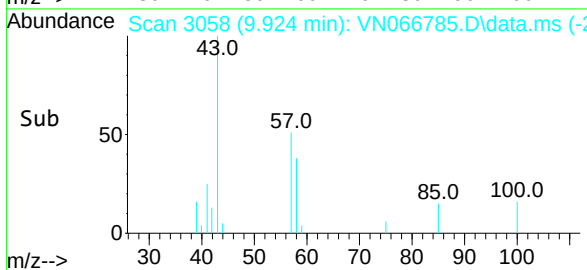
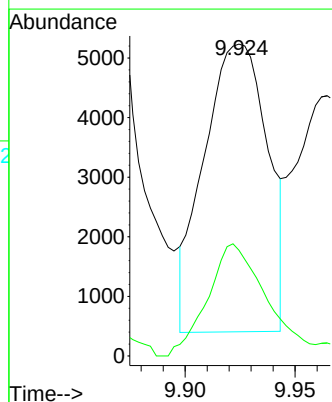
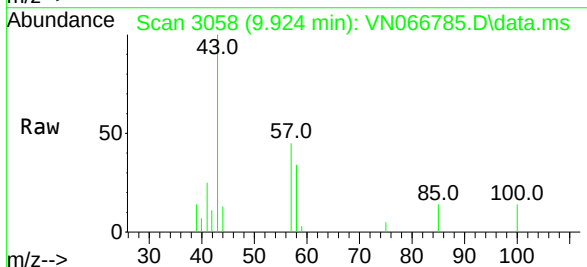
Instrument :
MSVOA_N
ClientSampled :

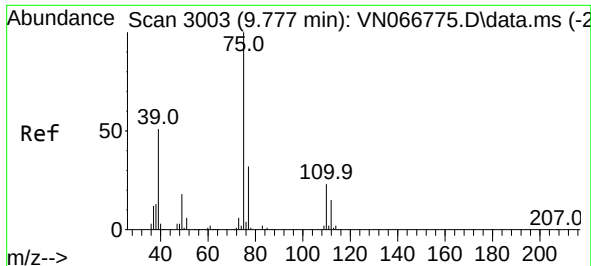
Tgt Ion: 98 Resp: 773541
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.81 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

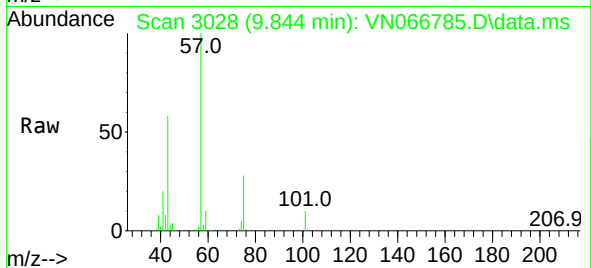
Tgt Ion: 43 Resp: 9716
Ion Ratio Lower Upper
43 100
58 35.9 32.5 48.7



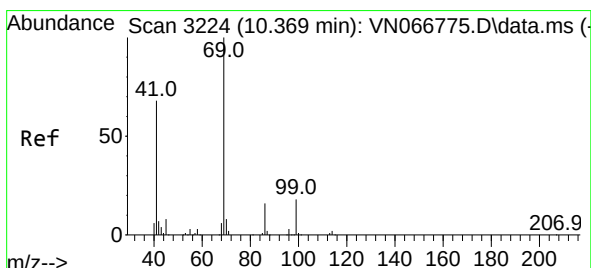
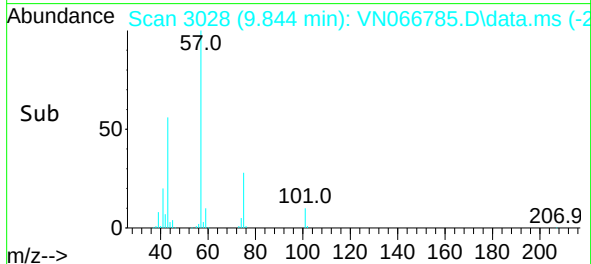
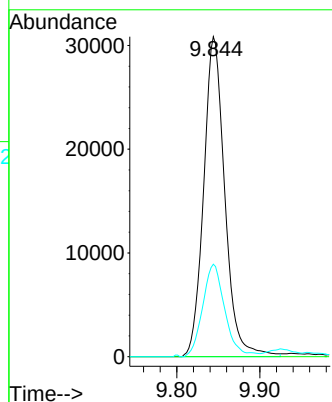


#54
 cis-1,3-Dichloropropene
 Concen: 7.32 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066785.D
 Acq: 27 Apr 2021 16:50

Instrument :
 MSVOA_N
 ClientSampleId :

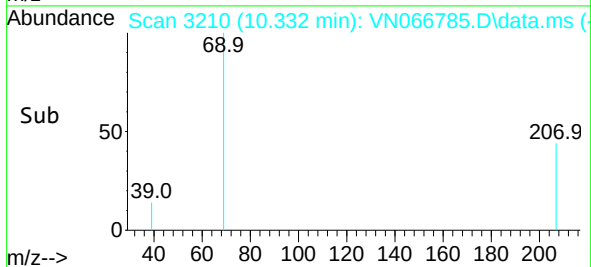
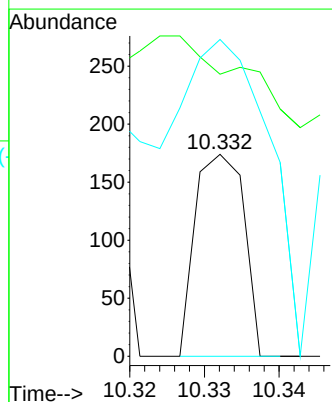
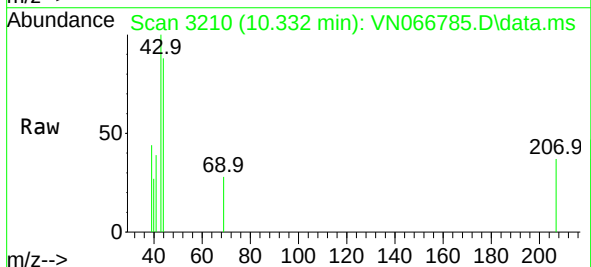


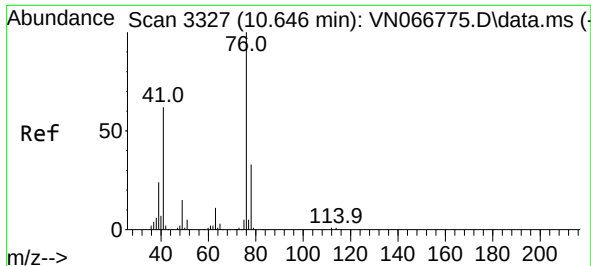
Tgt Ion: 75 Resp: 54454
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 28.9 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.18 ug/l
 RT: 10.332 min Scan# 3210
 Delta R.T. -0.037 min
 Lab File: VN066785.D
 Acq: 27 Apr 2021 16:50

Tgt Ion: 69 Resp: 79
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

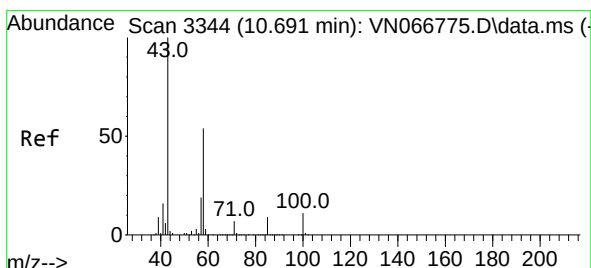
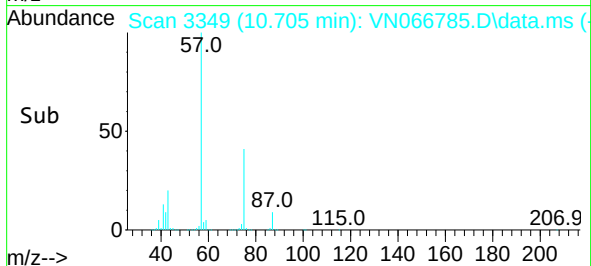
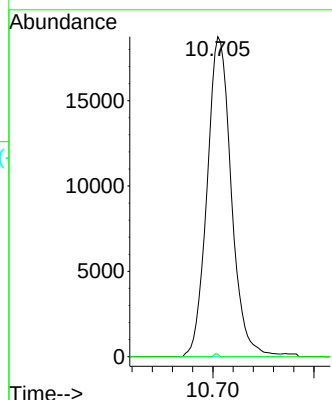
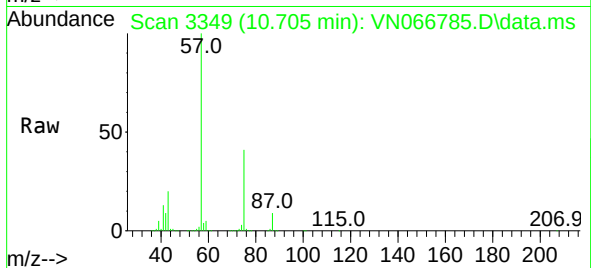




#57
1,3-Dichloropropane
Concen: 4.34 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

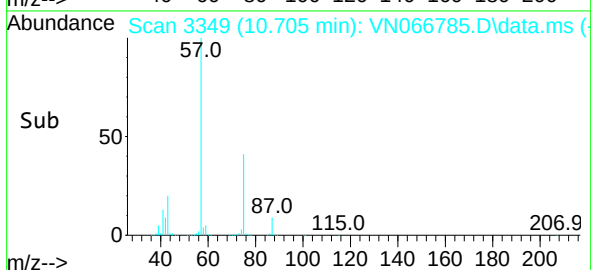
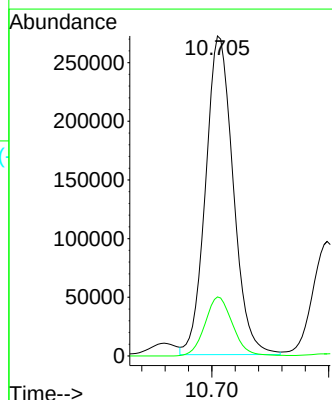
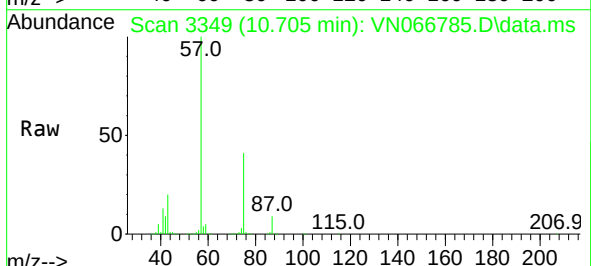
Instrument :
MSVOA_N
ClientSampled :

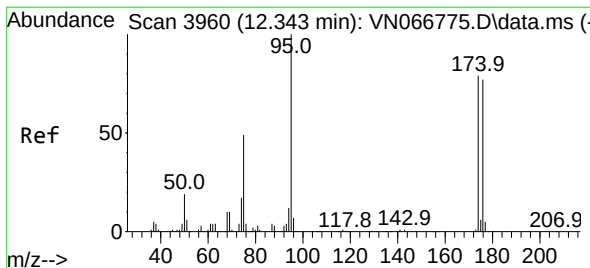
Tgt Ion: 76 Resp: 31187
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 116.79 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.014 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion: 43 Resp: 445495
Ion Ratio Lower Upper
43 100
58 18.7 28.1 84.3#

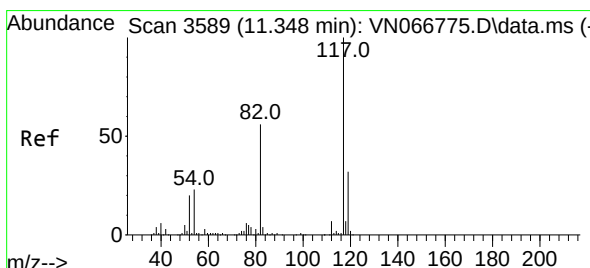
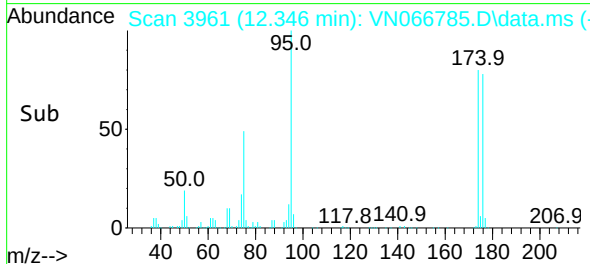
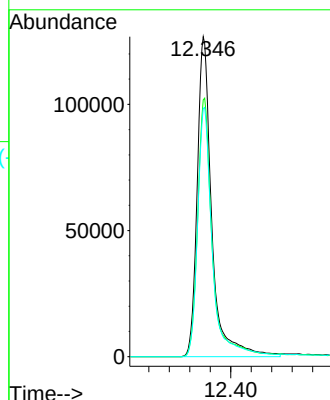
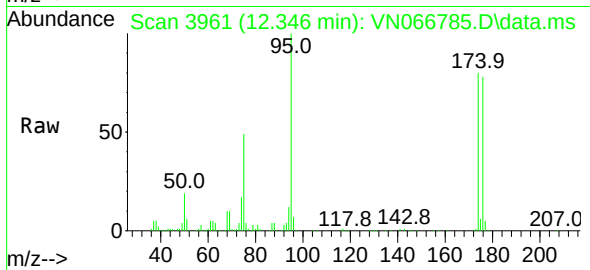




#62
4-Bromofluorobenzene
Concen: 48.55 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

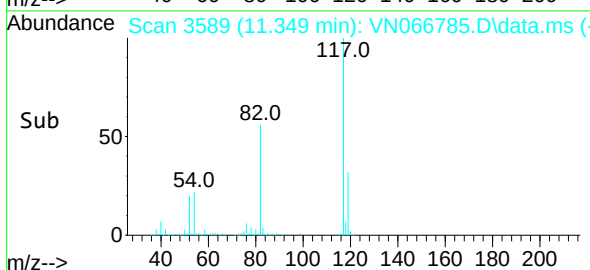
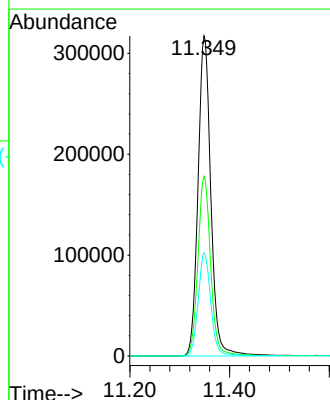
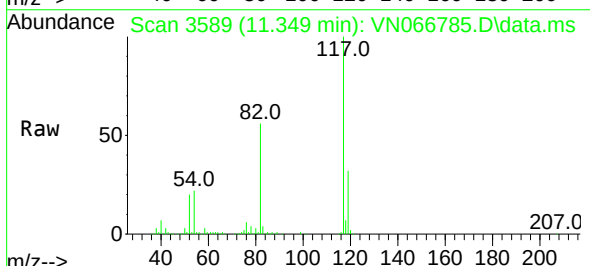
Instrument :
MSVOA_N
ClientSampleId :

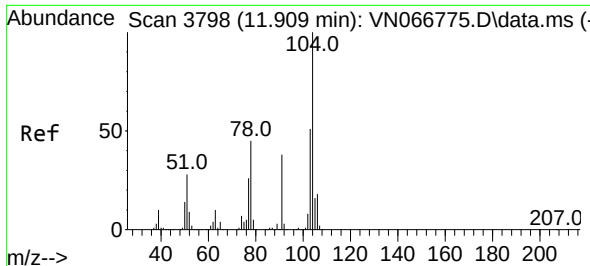
Tgt Ion: 95 Resp: 250571
Ion Ratio Lower Upper
95 100
174 81.4 0.0 169.0
176 78.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. 0.001 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion: 117 Resp: 567385
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 32.3 26.1 39.1

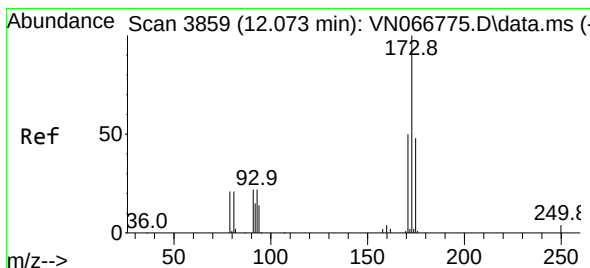
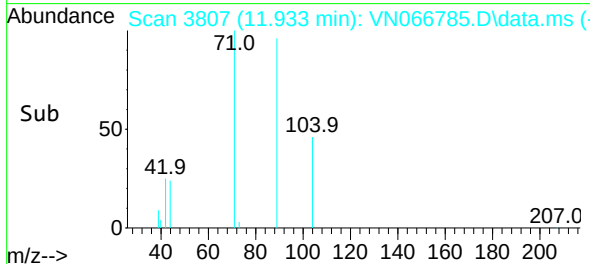
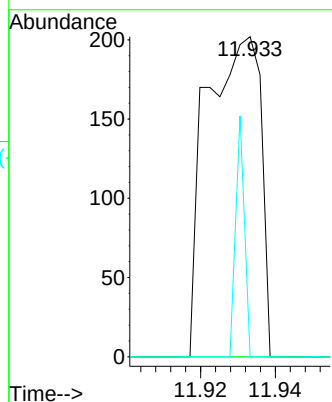
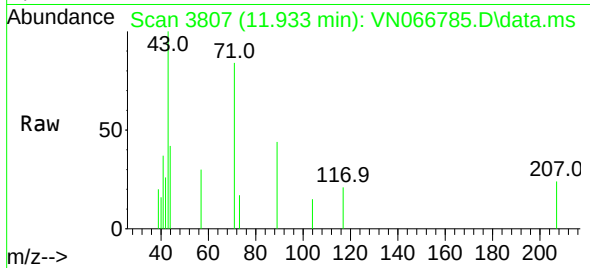




#70
Styrene
Concen: 3.06 ug/l
RT: 11.933 min Scan# 3807
Delta R.T. 0.024 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

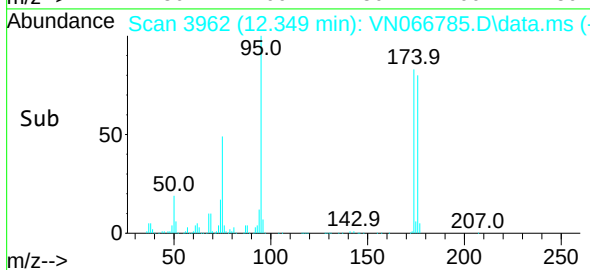
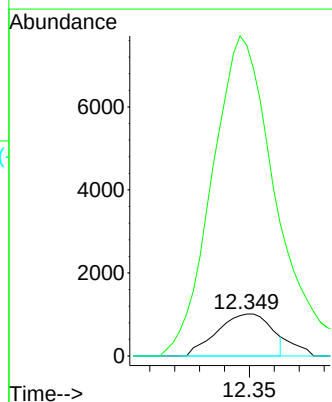
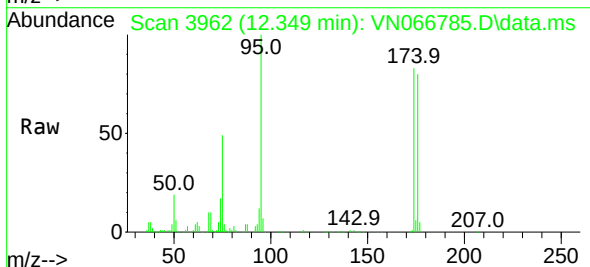
Instrument :
MSVOA_N
ClientSampled :

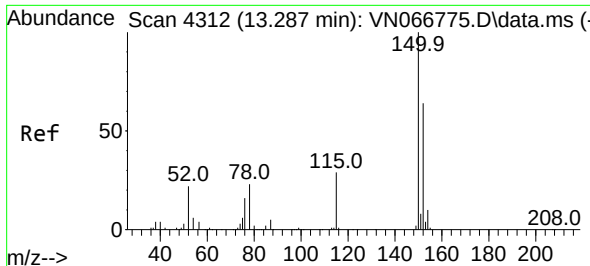
Tgt Ion:104 Resp: 203
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 11.8 44.5 66.7#



#71
Bromoform
Concen: 0.50 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion:173 Resp: 1530
Ion Ratio Lower Upper
173 100
175 779.6 23.8 71.2#
254 0.0 0.0 0.0

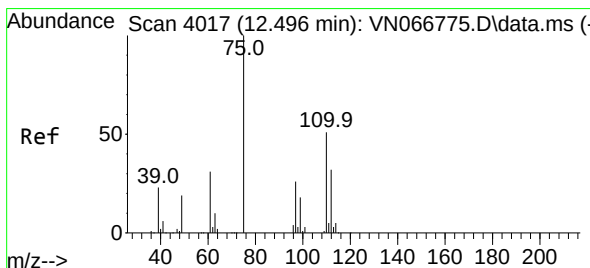
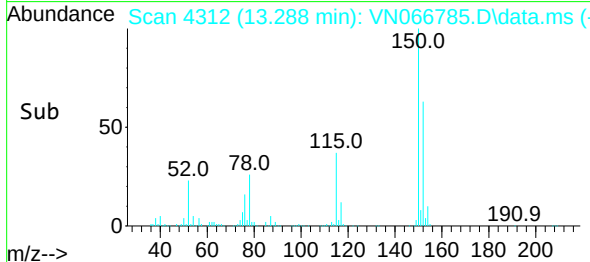
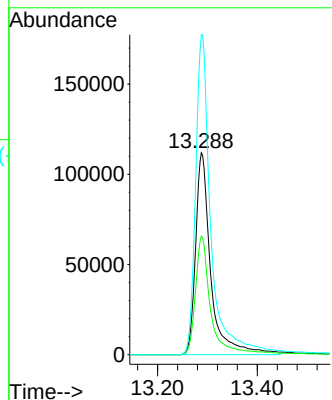
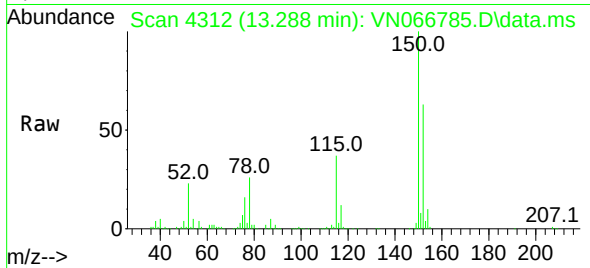




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. 0.000 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

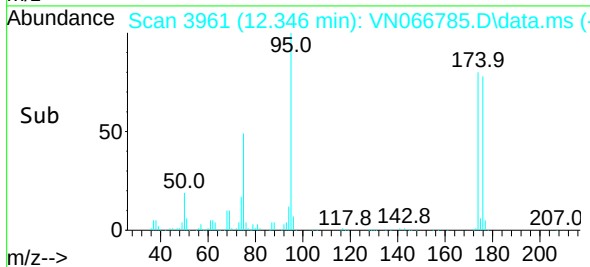
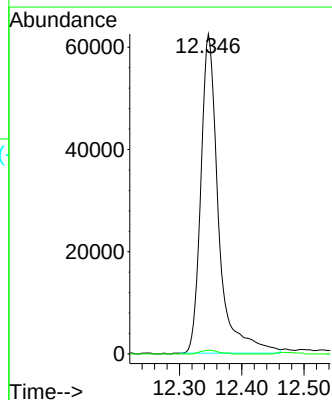
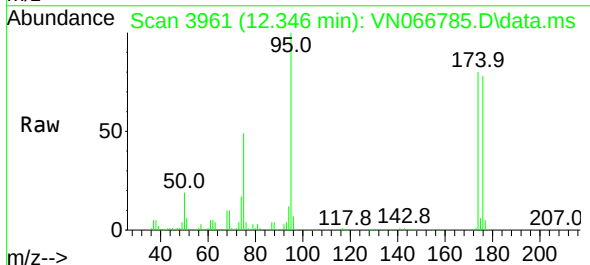
Instrument :
MSVOA_N
ClientSampled :

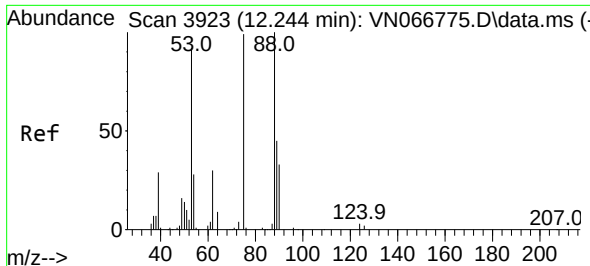
Tgt Ion:152 Resp: 239009
Ion Ratio Lower Upper
152 100
115 57.9 28.5 85.6
150 158.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 24.44 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

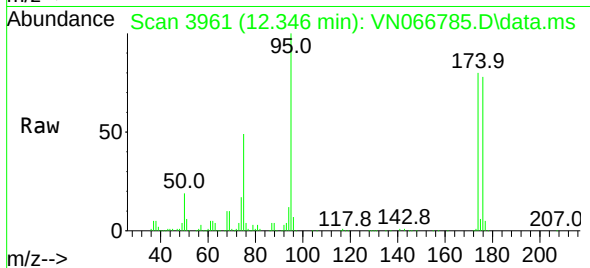
Tgt Ion: 75 Resp: 123136
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



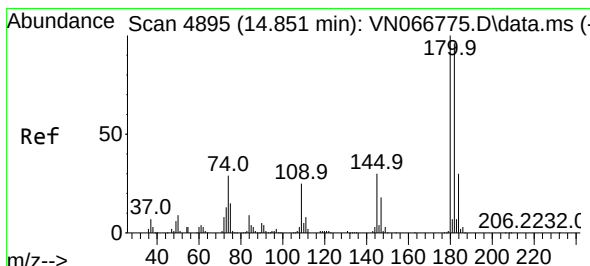
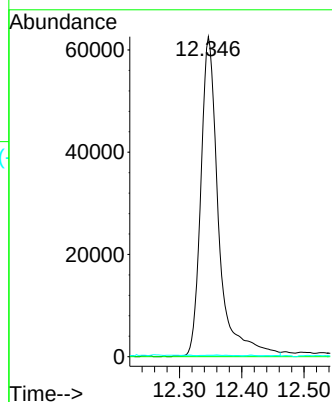
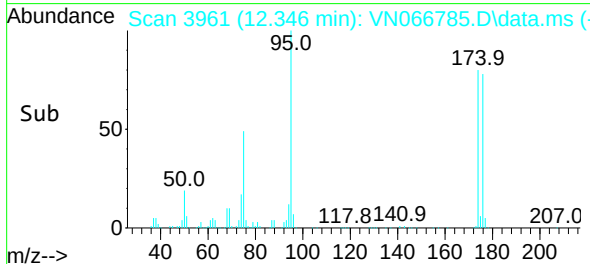


#81
trans-1,4-Dichloro-2-butene
Concen: 65.69 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

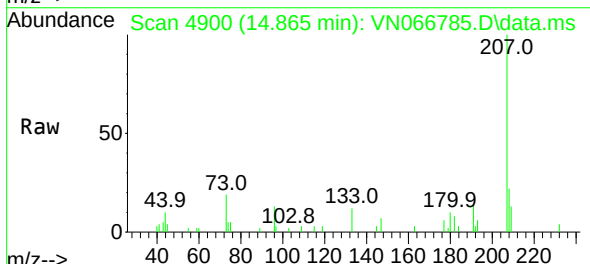
Instrument :
MSVOA_N
ClientSampleId :



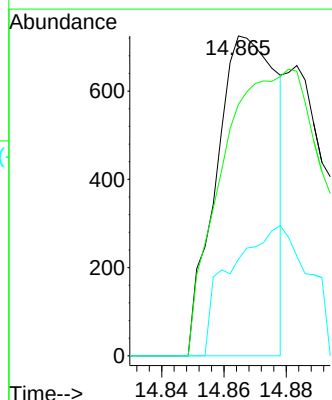
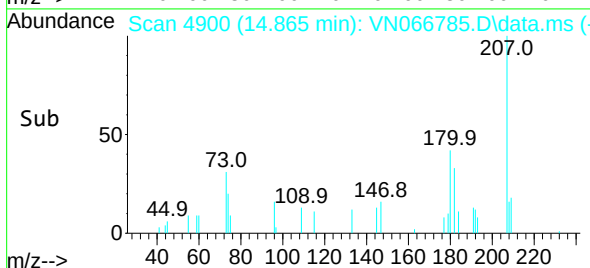
Tgt Ion: 75 Resp: 123136
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#

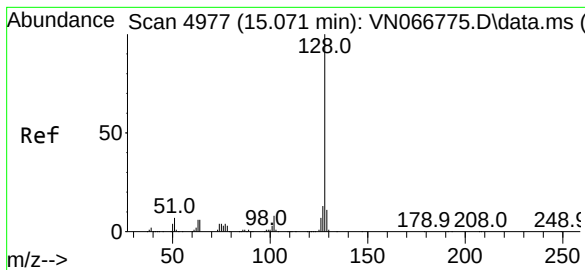


#93
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 14.865 min Scan# 4900
Delta R.T. 0.014 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50



Tgt Ion: 180 Resp: 978
Ion Ratio Lower Upper
180 100
182 154.0 47.3 142.0#
145 51.7 15.6 46.8#

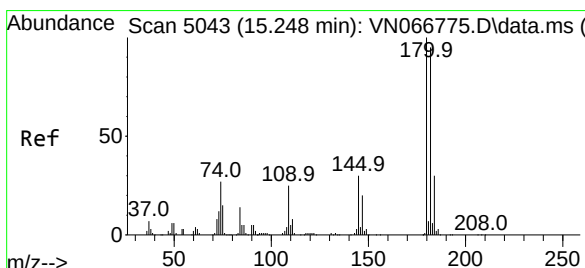
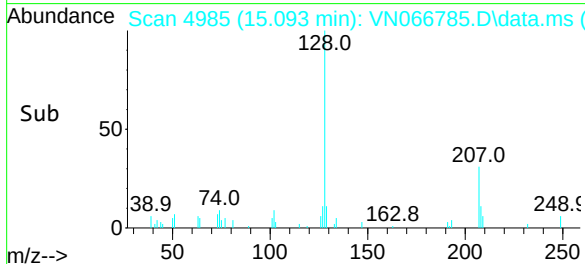
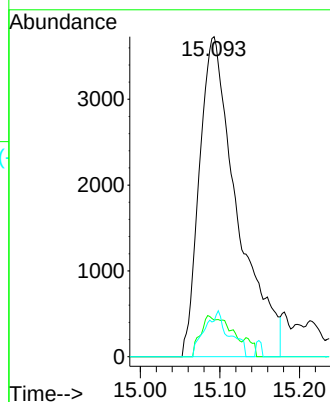
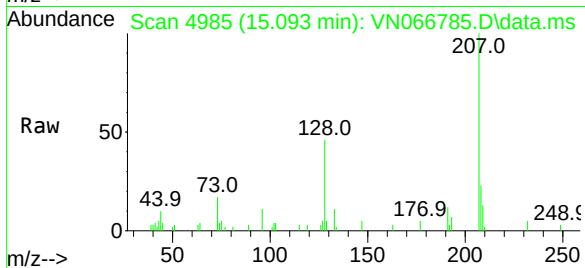




#95
Naphthalene
Concen: 1.16 ug/l
RT: 15.093 min Scan# 4985
Delta R.T. 0.022 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 12265
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.2#
129 9.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.69 ug/l
RT: 15.264 min Scan# 5049
Delta R.T. 0.016 min
Lab File: VN066785.D
Acq: 27 Apr 2021 16:50

Tgt Ion:180 Resp: 2755
Ion Ratio Lower Upper
180 100
182 87.4 47.4 142.3
145 22.9 16.5 49.5

