

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066745.D
 Acq On : 23 Apr 2021 18:10
 Operator : JC/MD
 Sample : PB135928ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 09:12:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

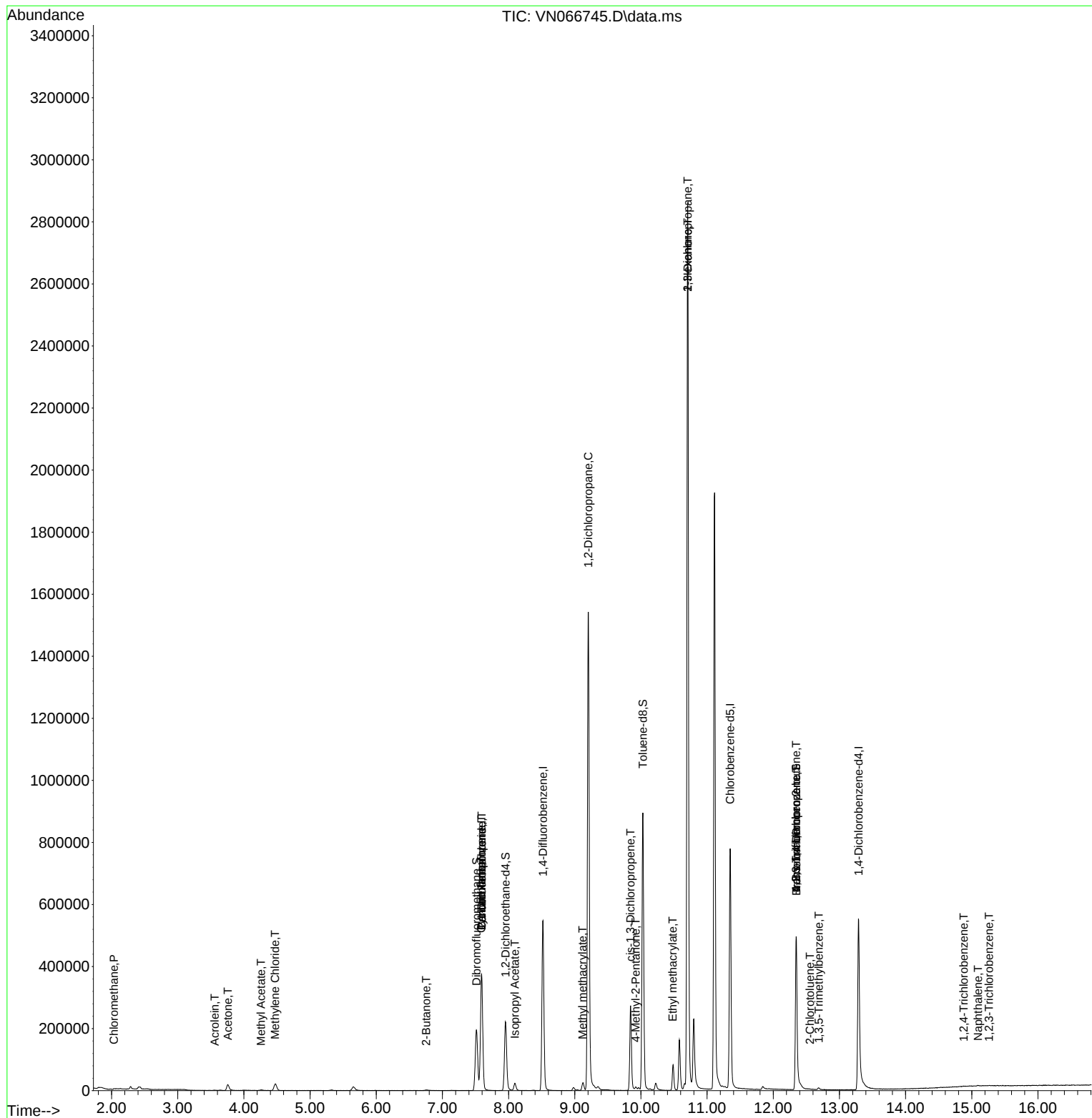
Internal Standards						
1) Pentafluorobenzene	7.594	168	330180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	508077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	473402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	198816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	191339	47.43	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 94.86%			
35) Dibromofluoromethane	7.516	113	159670	50.18	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.36%			
50) Toluene-d8	10.029	98	630569	50.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.64%			
62) 4-Bromofluorobenzene	12.346	95	202531	47.66	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.32%			
Target Compounds					Qvalue	
3) Chloromethane	2.037	50	1191	0.22	ug/l	99
13) Acrolein	3.557	56	624	1.10	ug/l	96
16) Acetone	3.759	43	33034	21.88	ug/l	100
18) Methyl Acetate	4.260	43	4127	0.99	ug/l #	64
20) Methylene Chloride	4.472	84	16791	3.74	ug/l	98
25) 2-Butanone	6.754	43	4876	2.25	ug/l	90
31) Cyclohexane	7.588	56	5964	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	22922	4.85	ug/l #	48
38) Carbon Tetrachloride	7.594	117	28340	6.30	ug/l #	16
43) Isopropyl Acetate	8.095	43	30175	3.81	ug/l #	86
45) 1,2-Dichloropropane	9.203	63	1952	0.47	ug/l #	44
48) Methyl methacrylate	9.117	41	6765	1.95	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	7810	1.76	ug/l	96
54) cis-1,3-Dichloropropene	9.844	75	52406	8.59	ug/l #	60
56) Ethyl methacrylate	10.482	69	562	3.24	ug/l #	1
57) 1,3-Dichloropropane	10.708	76	29915	5.03	ug/l #	43
59) 2-Hexanone	10.708	43	413414	132.64	ug/l #	50
71) Bromoform	12.349	173	1307	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	97395	22.89	ug/l #	100
79) 2-Chlorotoluene	12.555	91	185	0.95	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.687	105	3931	0.33	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.346	75	97395	67.89	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.878	180	175	2.05	ug/l #	48
95) Naphthalene	15.093	128	2229	2.08	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.259	180	304	1.44	ug/l #	41

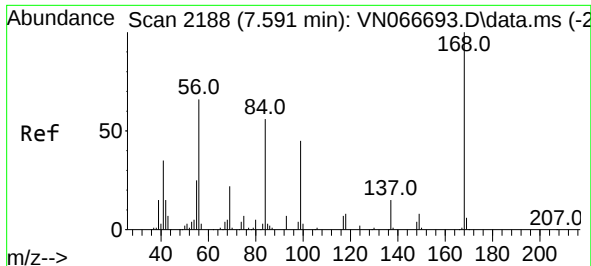
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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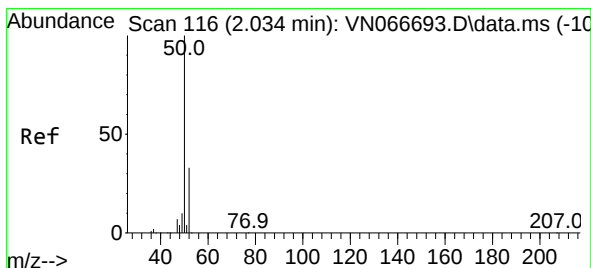
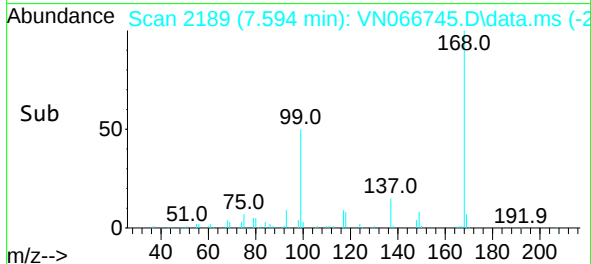
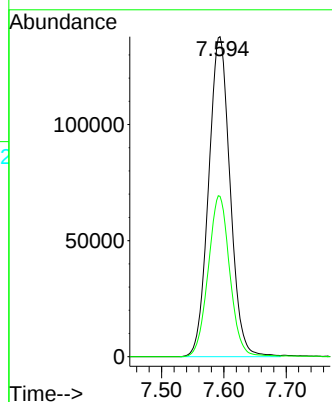
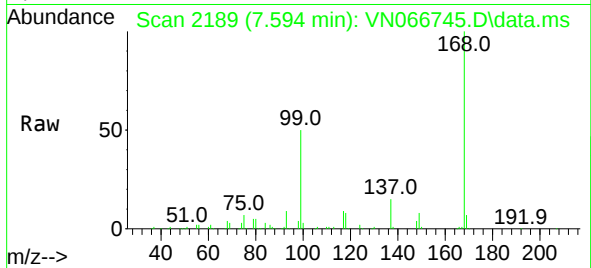




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

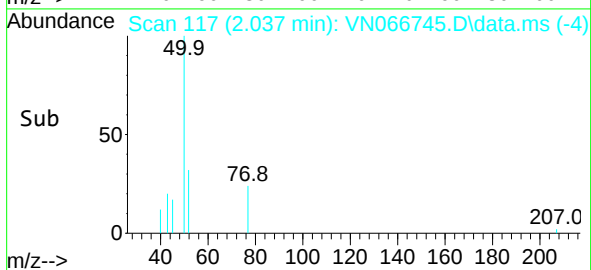
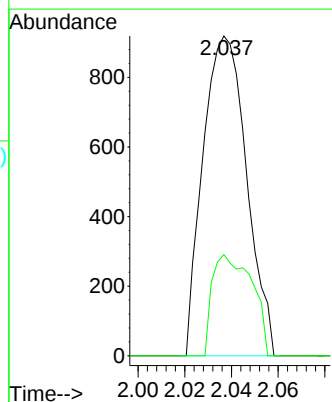
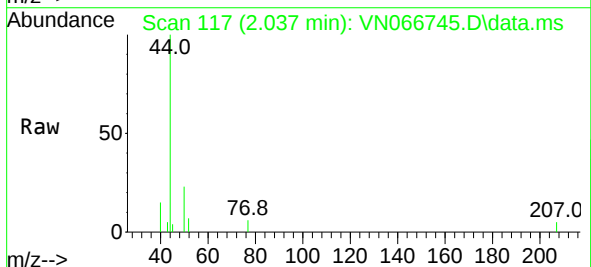
Instrument :
MSVOA_N
ClientSampled :

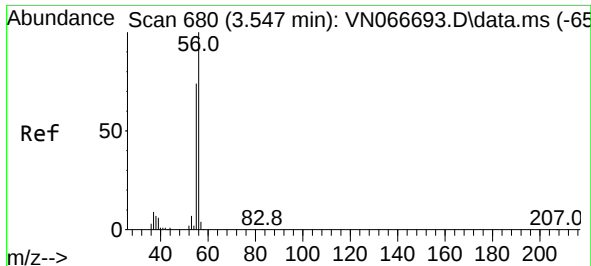
Tgt Ion:168 Resp: 330180
Ion Ratio Lower Upper
168 100
99 50.1 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion: 50 Resp: 1191
Ion Ratio Lower Upper
50 100
52 31.7 25.8 38.8

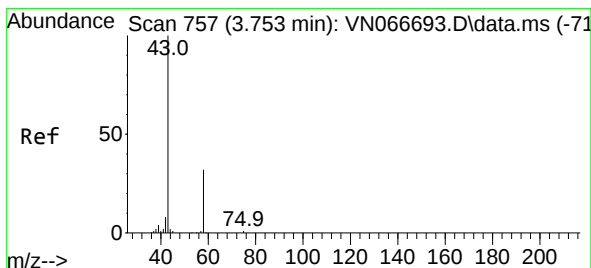
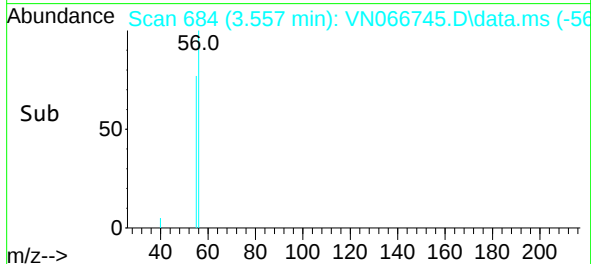
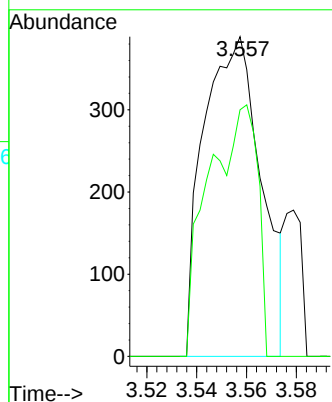
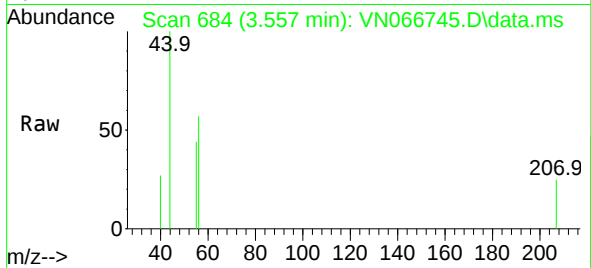




#13
Acrolein
Concen: 1.10 ug/l
RT: 3.557 min Scan# 684
Delta R.T. 0.010 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

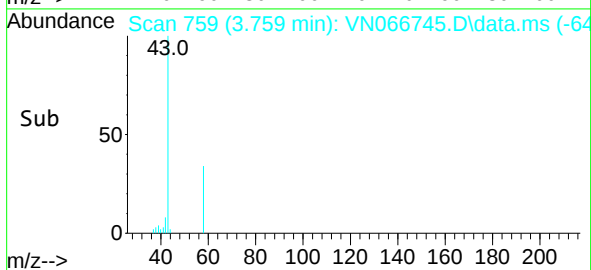
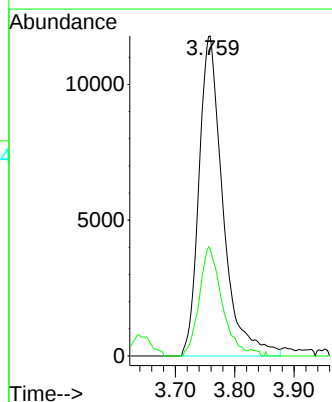
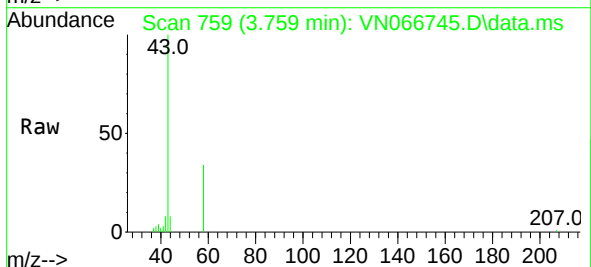
Instrument :
MSVOA_N
ClientSampleId :

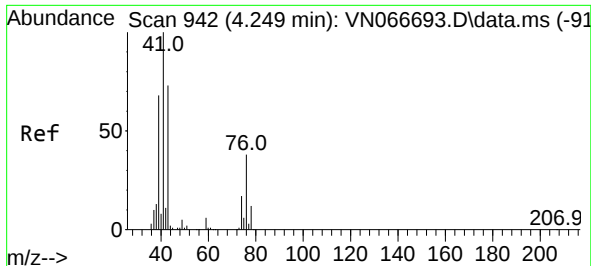
Tgt Ion: 56 Resp: 624
Ion Ratio Lower Upper
56 100
55 67.0 56.0 84.0



#16
Acetone
Concen: 21.88 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.006 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

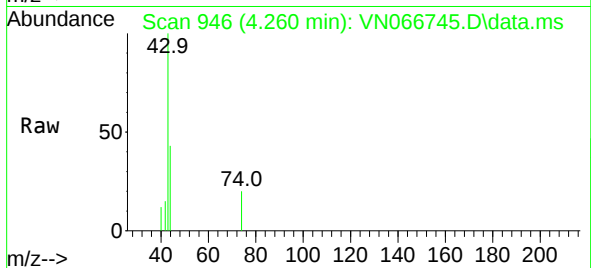
Tgt Ion: 43 Resp: 33034
Ion Ratio Lower Upper
43 100
58 33.5 27.0 40.6



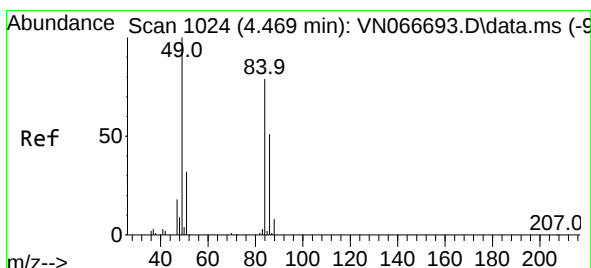
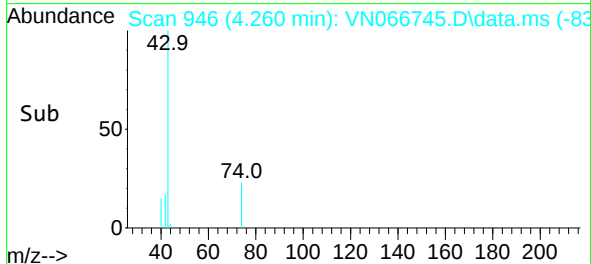
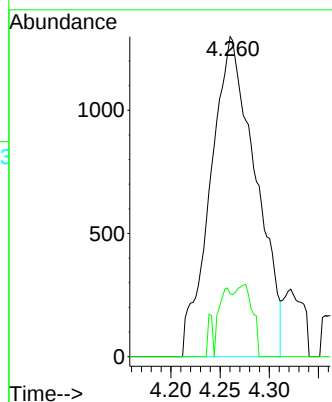


#18
Methyl Acetate
Concen: 0.99 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

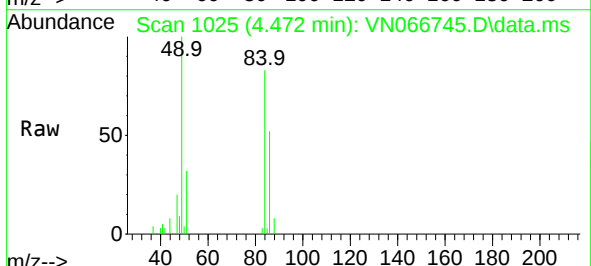
Instrument :
MSVOA_N
ClientSampled :



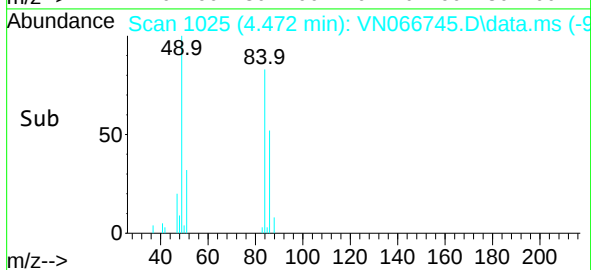
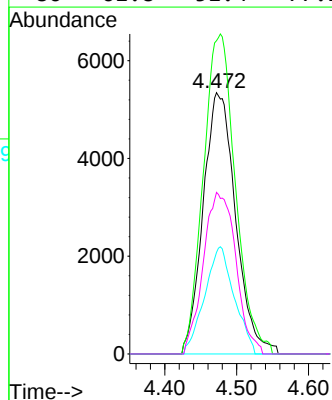
Tgt Ion: 43 Resp: 4127
Ion Ratio Lower Upper
43 100
74 6.5 19.5 29.3#

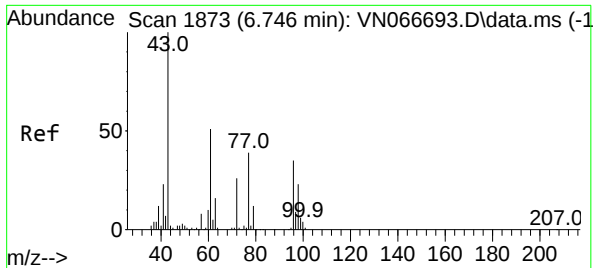


#20
Methylene Chloride
Concen: 3.74 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10



Tgt Ion: 84 Resp: 16791
Ion Ratio Lower Upper
84 100
49 119.9 94.6 141.8
51 38.9 29.9 44.9
86 61.8 51.4 77.2

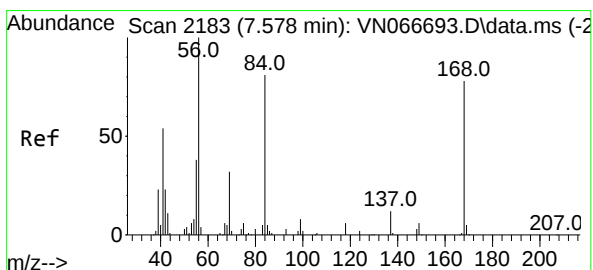
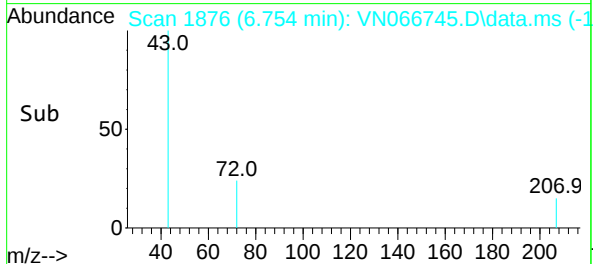
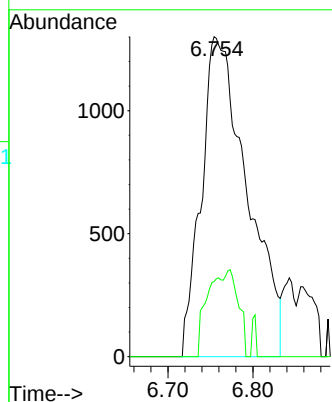
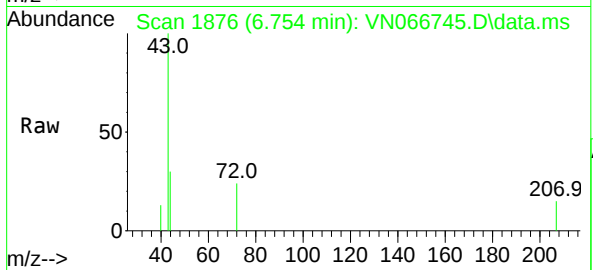




#25
2-Butanone
Concen: 2.25 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

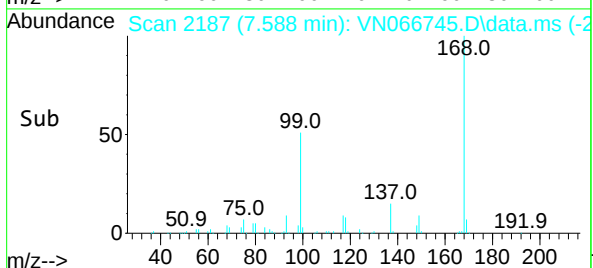
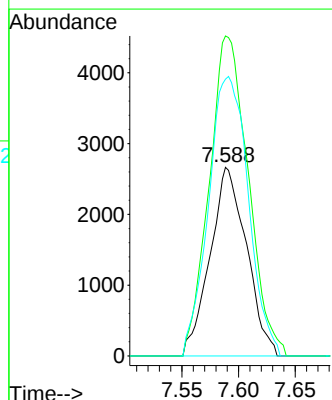
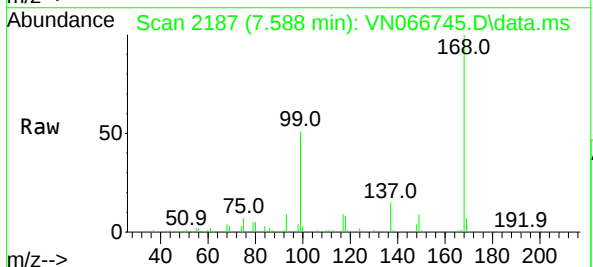
Instrument :
MSVOA_N
ClientSampled :

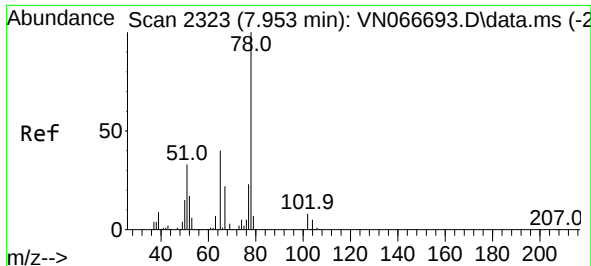
Tgt Ion: 43 Resp: 4876
Ion Ratio Lower Upper
43 100
72 23.5 23.1 34.7



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

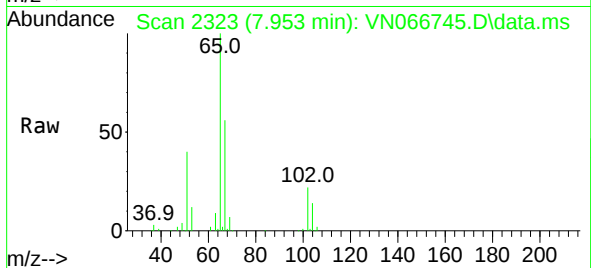
Tgt Ion: 56 Resp: 5964
Ion Ratio Lower Upper
56 100
69 169.6 26.6 39.8#
84 146.7 70.4 105.6#



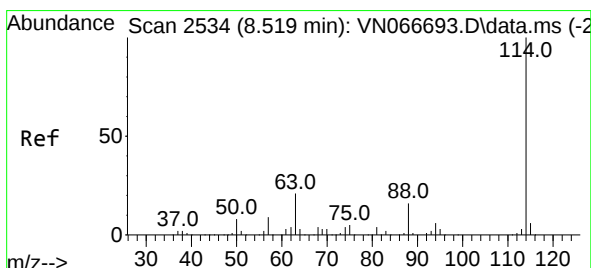
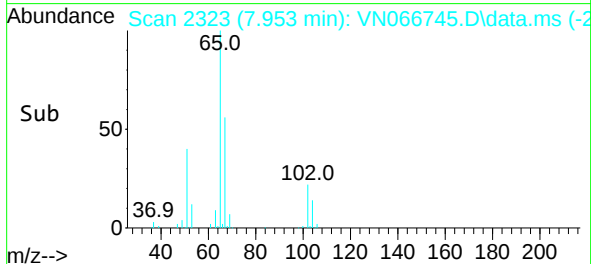
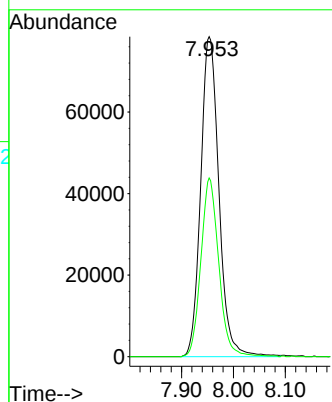


#33
 1,2-Dichloroethane-d4
 Concen: 47.43 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066745.D
 Acq: 23 Apr 2021 18:10

Instrument :
 MSVOA_N
 ClientSampleId :

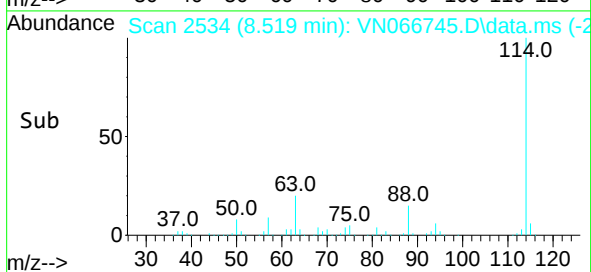
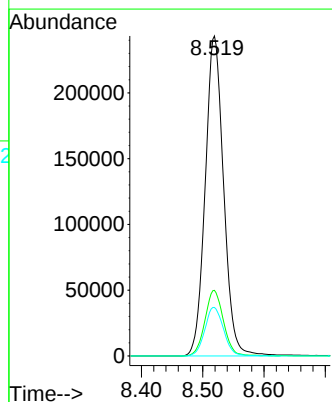
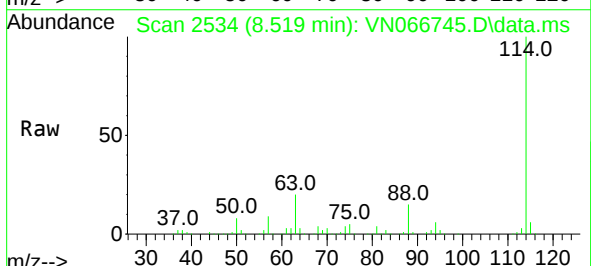


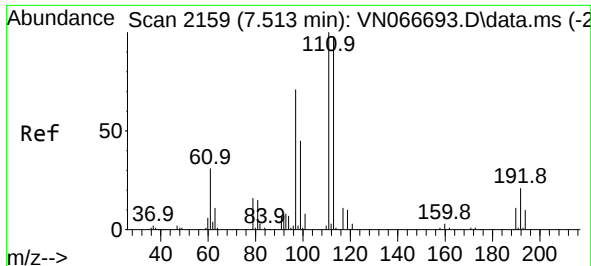
Tgt Ion: 65 Resp: 191339
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.000 min
 Lab File: VN066745.D
 Acq: 23 Apr 2021 18:10

Tgt Ion: 114 Resp: 508077
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.6
 88 15.1 0.0 30.6

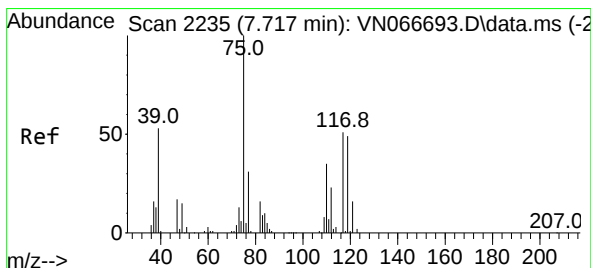
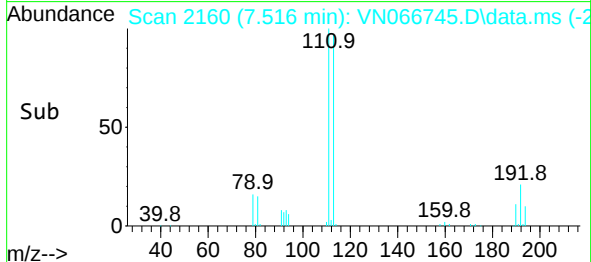
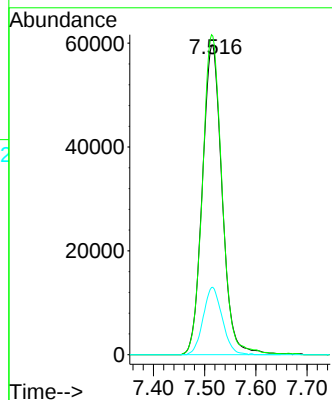
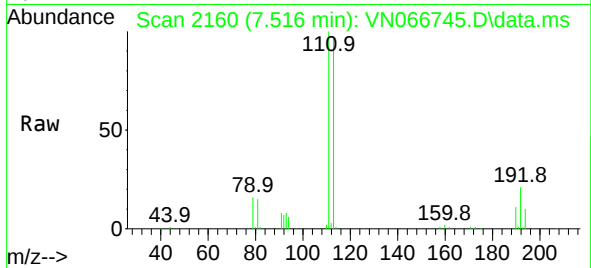




#35
Dibromofluoromethane
Concen: 50.18 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

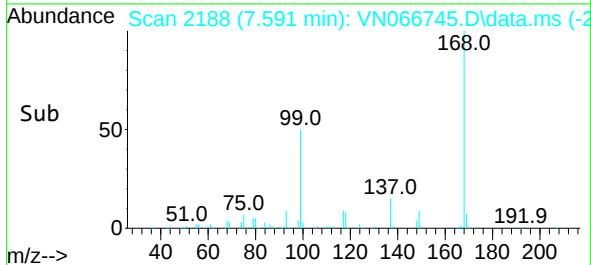
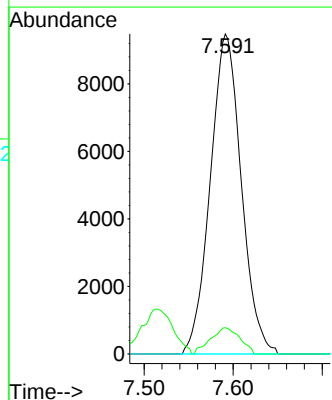
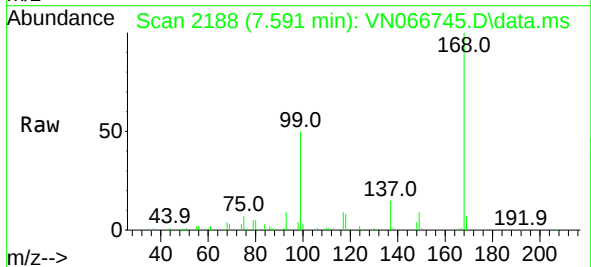
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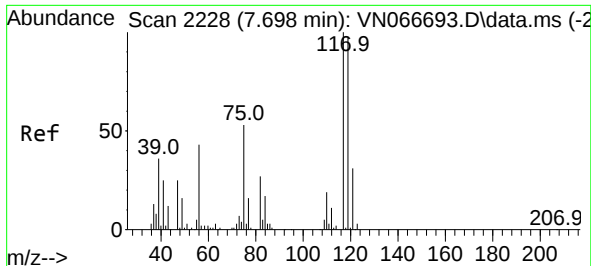
Tgt Ion:113 Resp: 159670
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 21.0 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

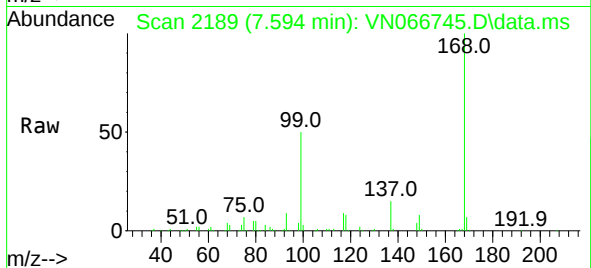
Tgt Ion: 75 Resp: 22922
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#



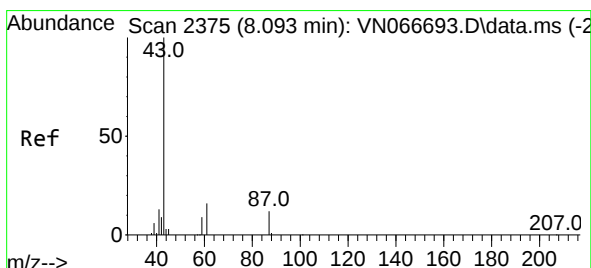
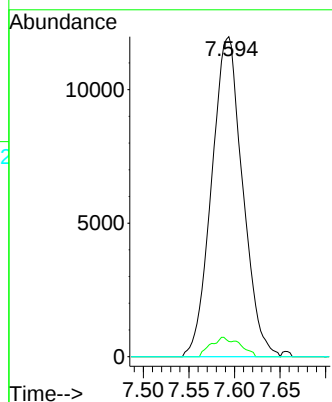
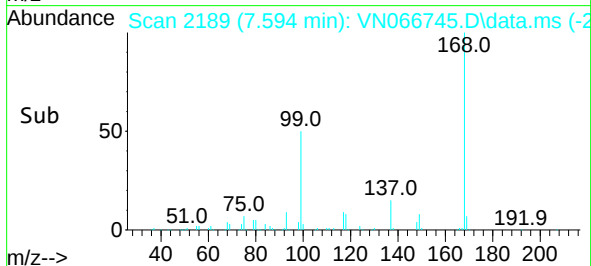


#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.104 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

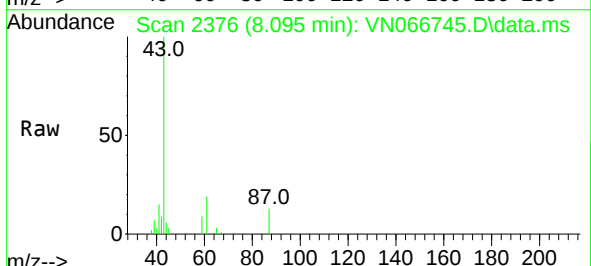
Instrument :
MSVOA_N
ClientSampleId :



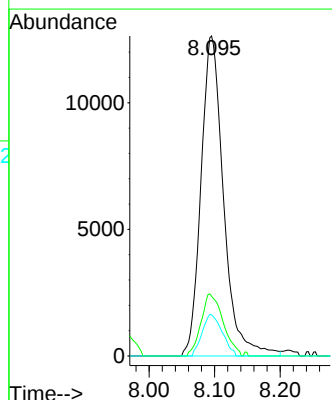
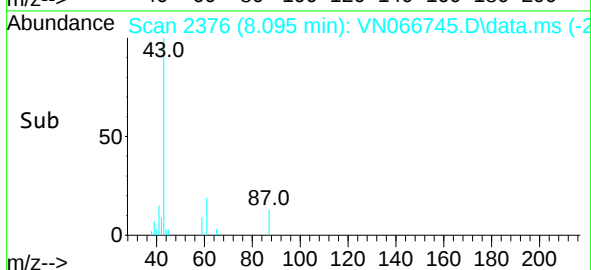
Tgt Ion: 117 Resp: 28340
Ion Ratio Lower Upper
117 100
119 4.7 76.0 114.0#
121 0.0 24.5 36.7#

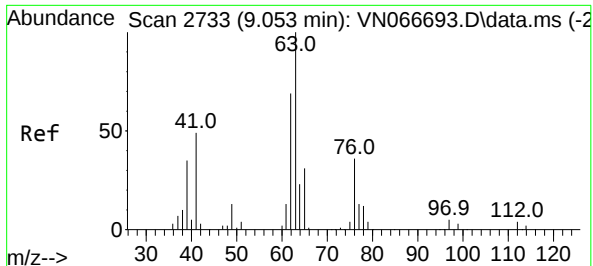


#43
Isopropyl Acetate
Concen: 3.81 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10



Tgt Ion: 43 Resp: 30175
Ion Ratio Lower Upper
43 100
61 18.9 22.5 33.7#
87 11.5 11.1 16.7



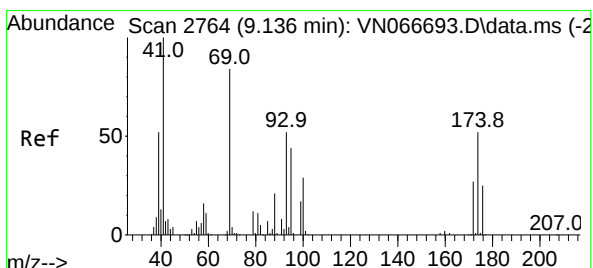
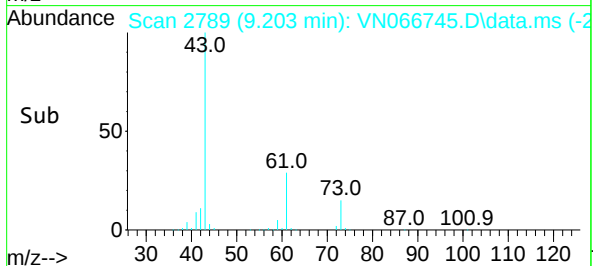
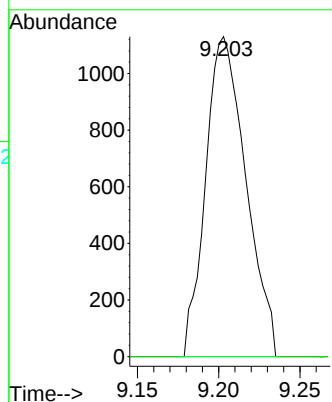
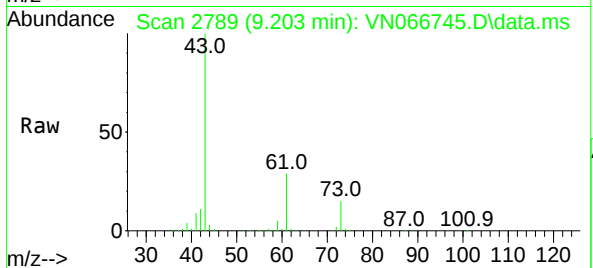


#45

1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Instrument :
MSVOA_N
ClientSampled :

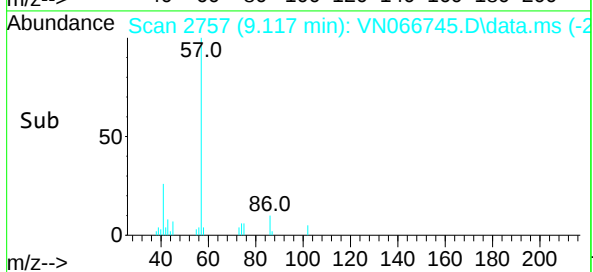
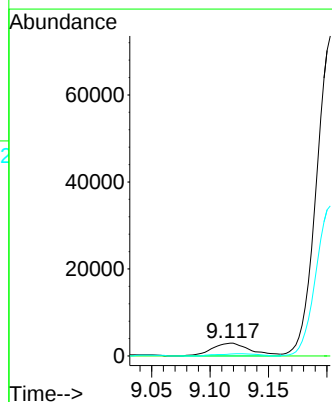
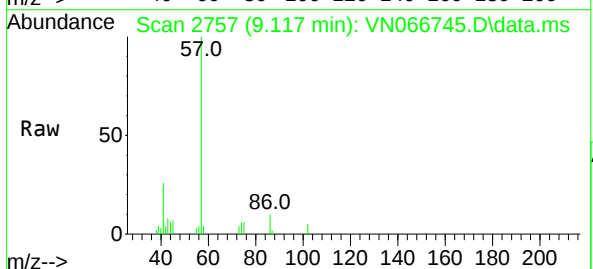
Tgt Ion: 63 Resp: 1952
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

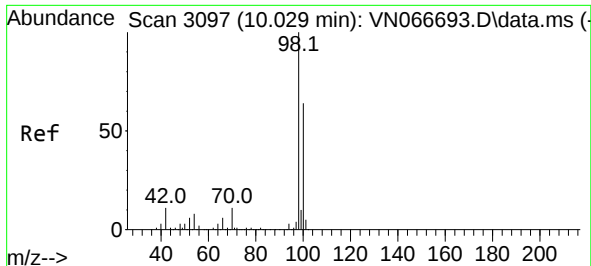


#48

Methyl methacrylate
Concen: 1.95 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion: 41 Resp: 6765
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

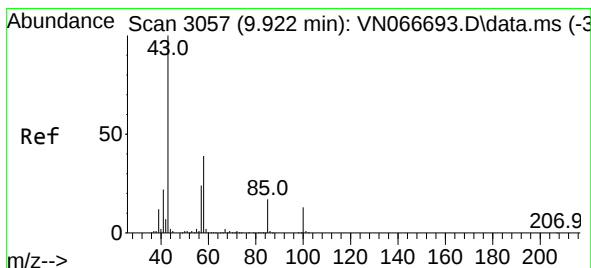
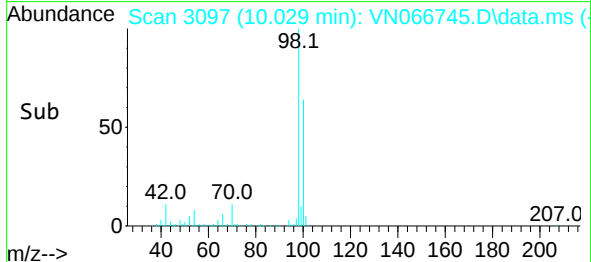
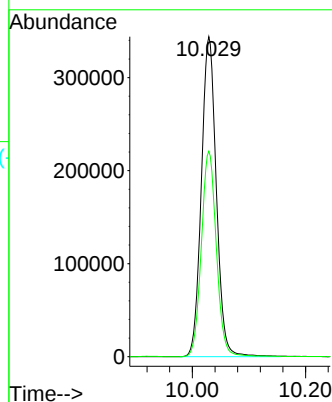
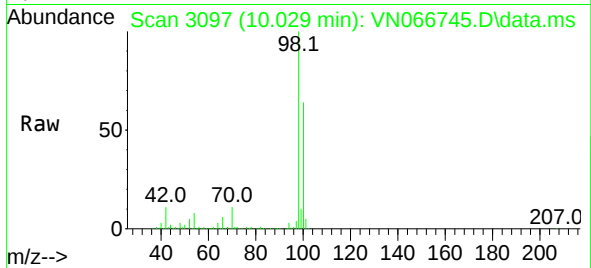




#50
Toluene-d8
Concen: 50.82 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

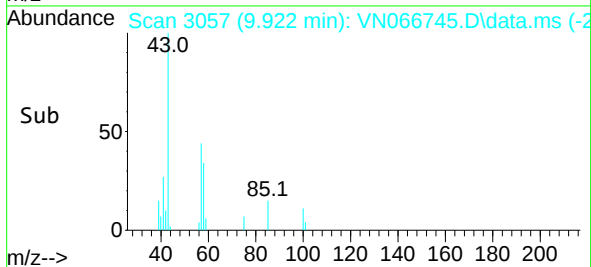
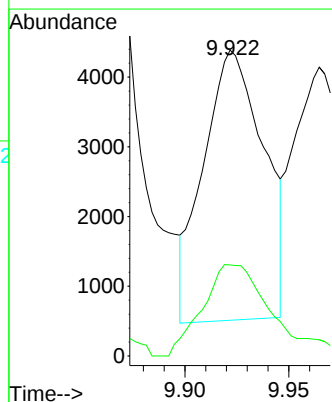
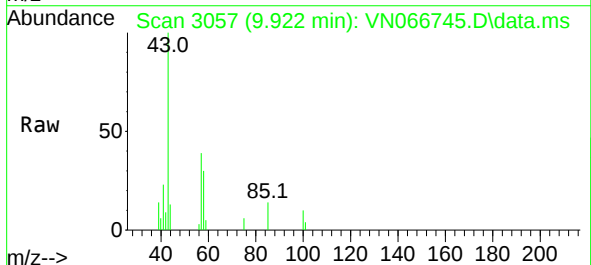
Instrument :
MSVOA_N
ClientSampled :

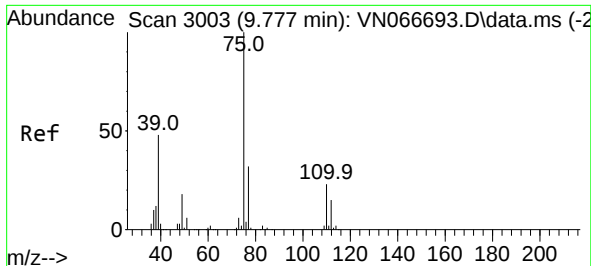
Tgt Ion: 98 Resp: 630569
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.76 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion: 43 Resp: 7810
Ion Ratio Lower Upper
43 100
58 38.4 32.5 48.7

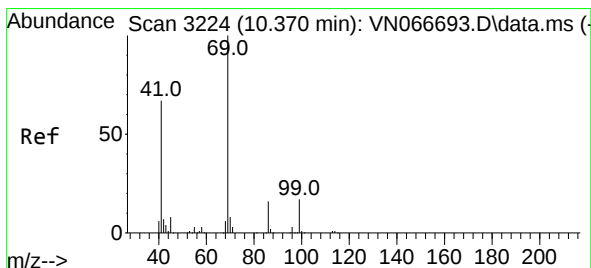
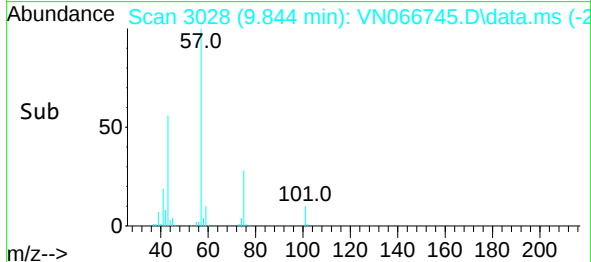
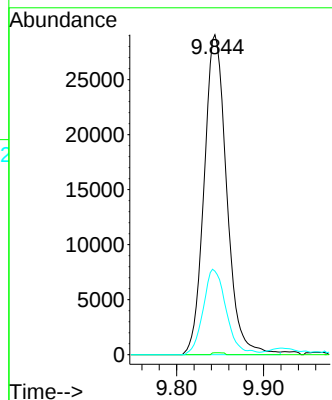
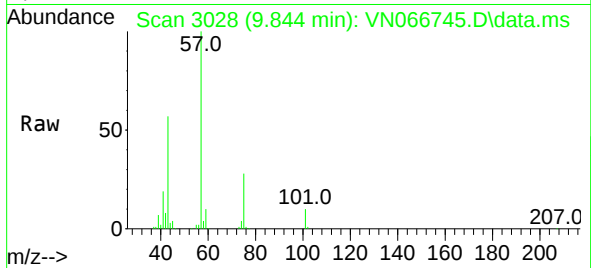




#54
 cis-1,3-Dichloropropene
 Concen: 8.59 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066745.D
 Acq: 23 Apr 2021 18:10

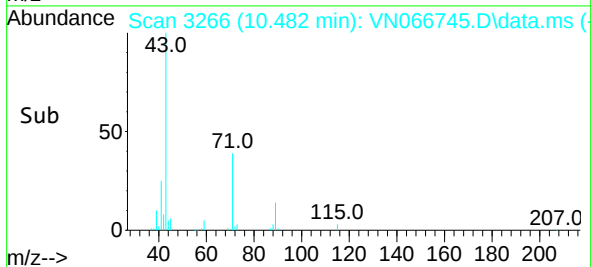
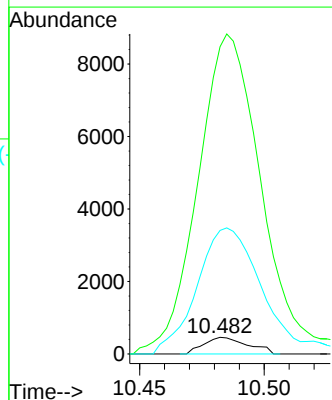
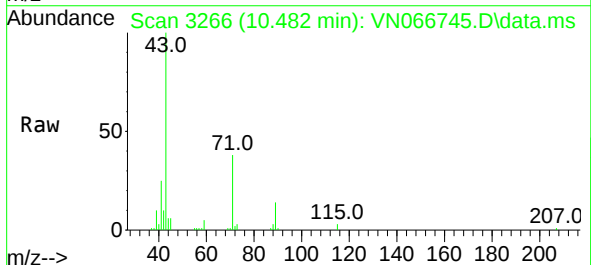
Instrument :
 MSVOA_N
 ClientSampled :

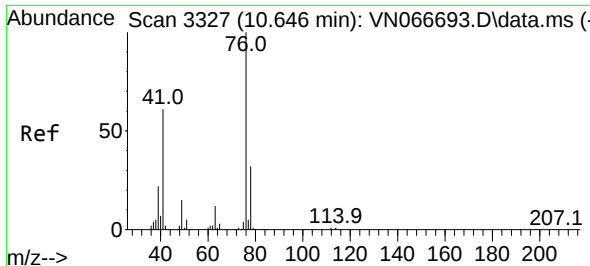
Tgt Ion: 75 Resp: 52406
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.9 37.3#
 39 26.1 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.24 ug/l
 RT: 10.482 min Scan# 3266
 Delta R.T. 0.112 min
 Lab File: VN066745.D
 Acq: 23 Apr 2021 18:10

Tgt Ion: 69 Resp: 562
 Ion Ratio Lower Upper
 69 100
 41 2794.7 49.6 74.4#
 39 1133.5 28.0 42.0#

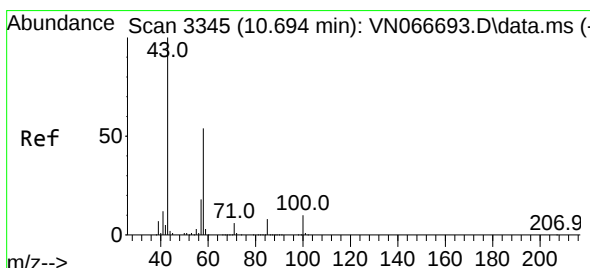
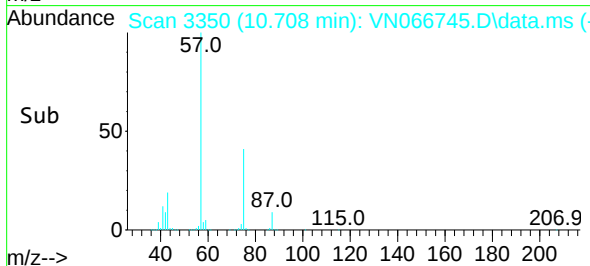
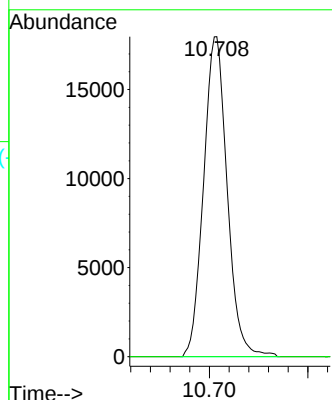
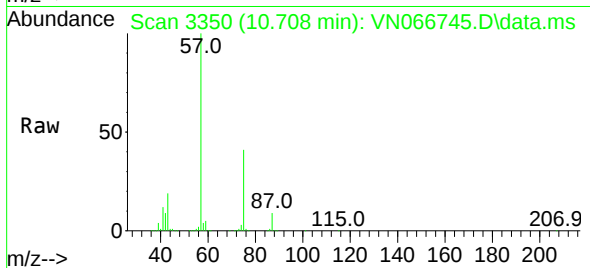




#57
1,3-Dichloropropane
Concen: 5.03 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.062 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

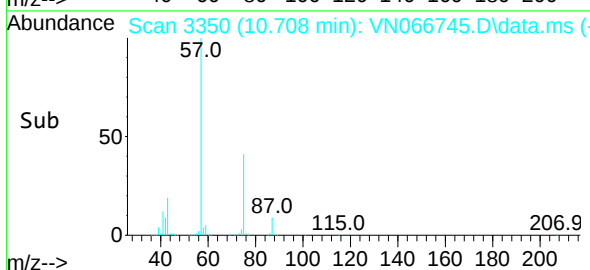
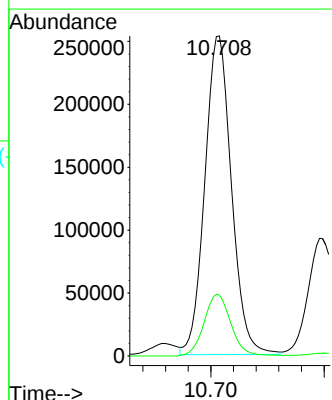
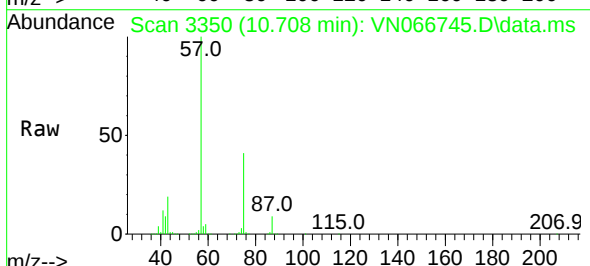
Instrument :
MSVOA_N
ClientSampled :

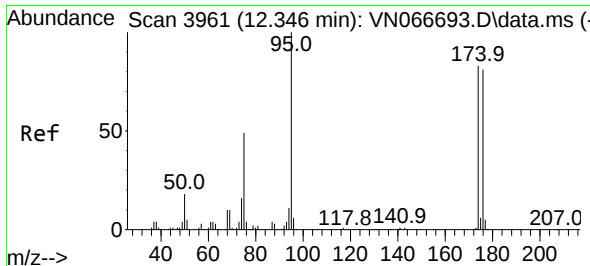
Tgt Ion: 76 Resp: 29915
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 132.64 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.014 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion: 43 Resp: 413414
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#

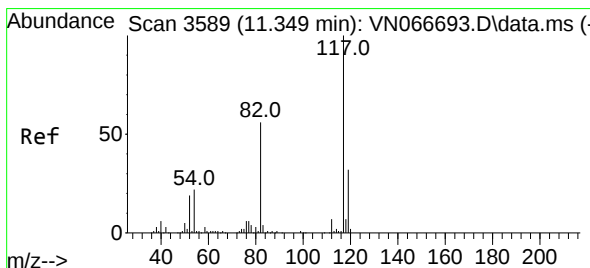
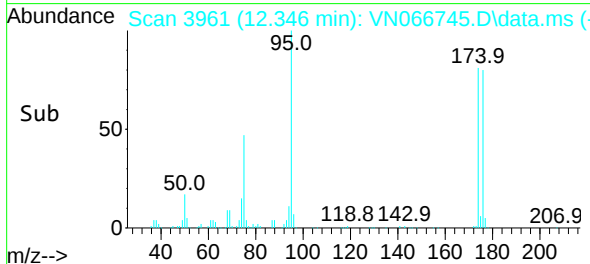
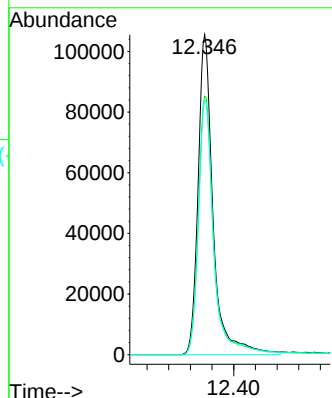
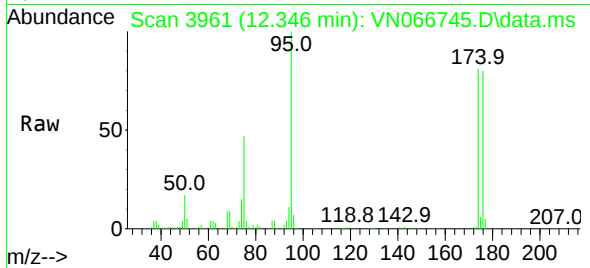




#62
4-Bromofluorobenzene
Concen: 47.66 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

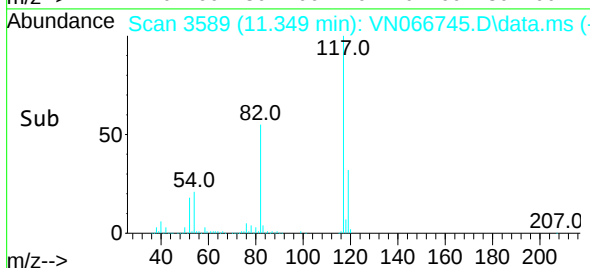
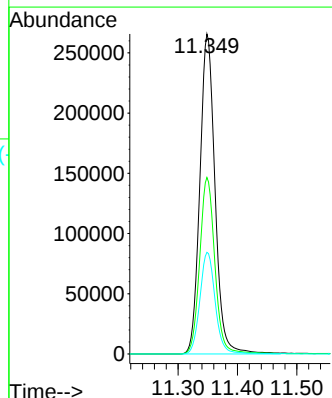
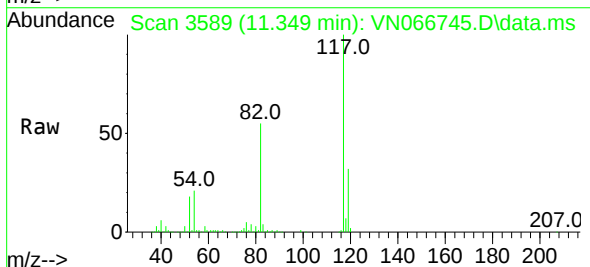
Instrument :
MSVOA_N
ClientSampleId :

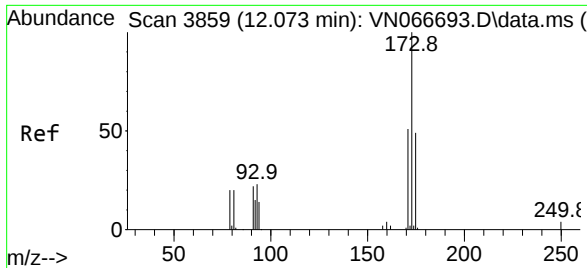
Tgt Ion: 95 Resp: 202531
Ion Ratio Lower Upper
95 100
174 83.2 0.0 169.0
176 81.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion: 117 Resp: 473402
Ion Ratio Lower Upper
117 100
82 55.1 43.7 65.5
119 31.8 26.1 39.1

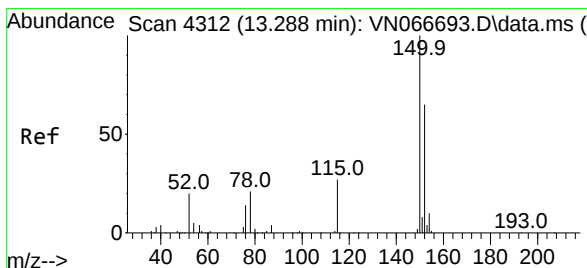
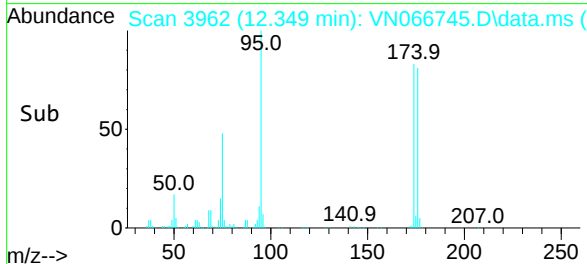
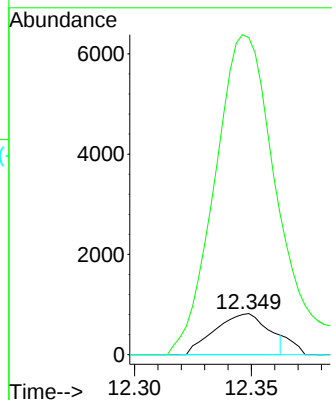
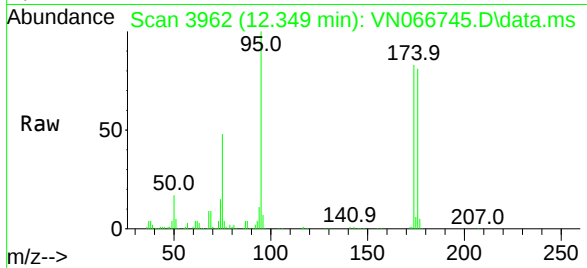




#71
Bromoform
Concen: 0.49 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

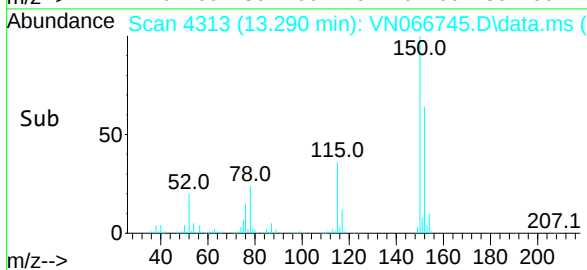
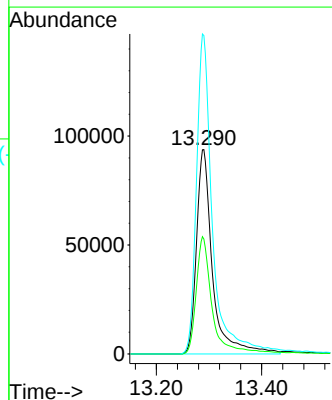
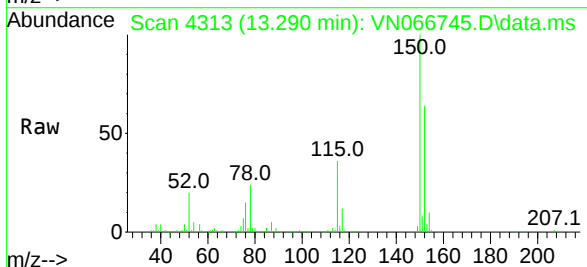
Instrument :
MSVOA_N
ClientSampleId :

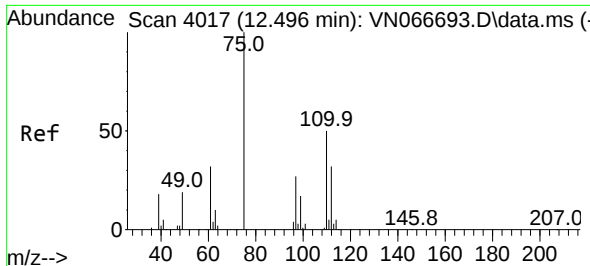
Tgt Ion:173 Resp: 1307
Ion Ratio Lower Upper
173 100
175 791.1 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion:152 Resp: 198816
Ion Ratio Lower Upper
152 100
115 57.2 28.5 85.6
150 153.9 0.0 347.6

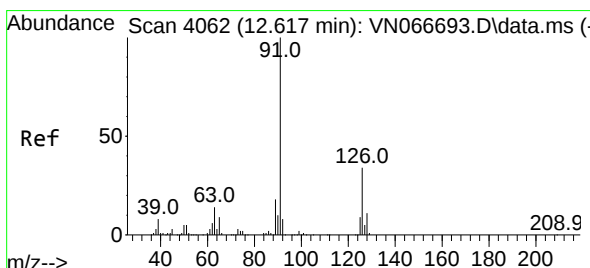
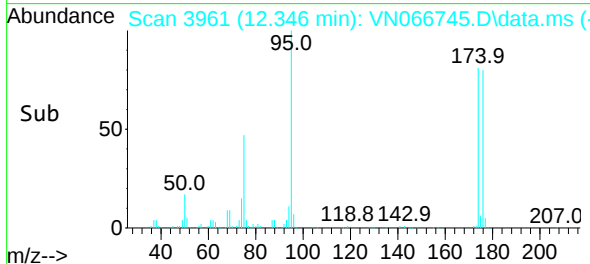
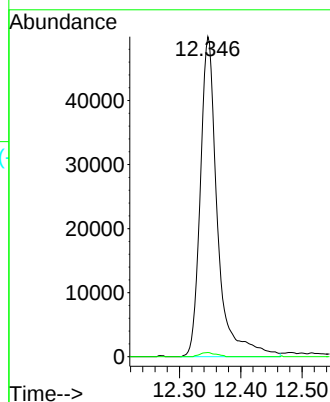
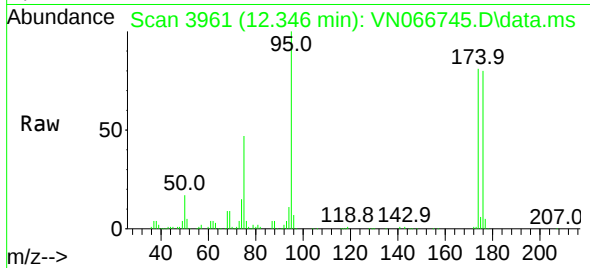




#76
1,2,3-Trichloropropane
Concen: 22.89 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

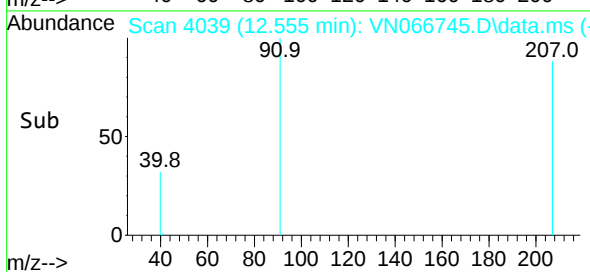
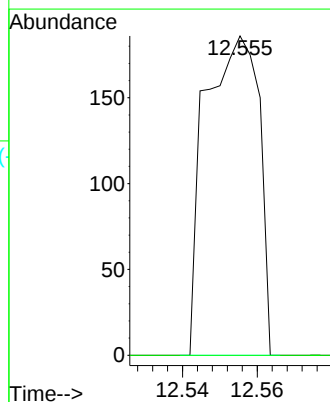
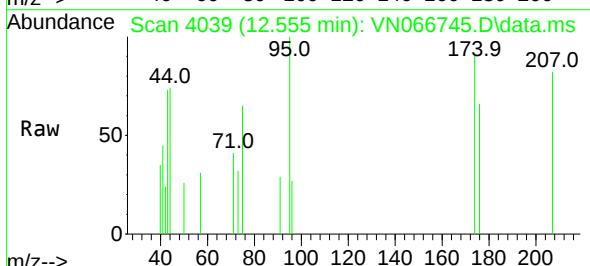
Instrument :
MSVOA_N
ClientSampleId :

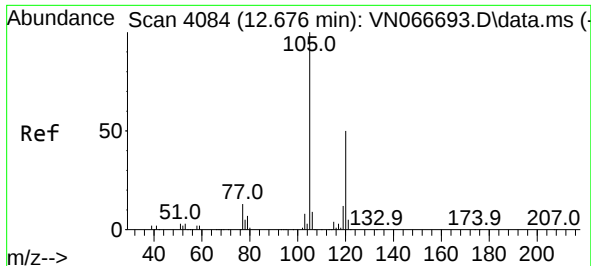
Tgt Ion: 75 Resp: 97395
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.95 ug/l
RT: 12.555 min Scan# 4039
Delta R.T. -0.062 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion: 91 Resp: 185
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

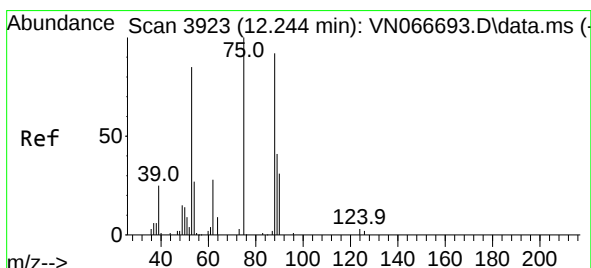
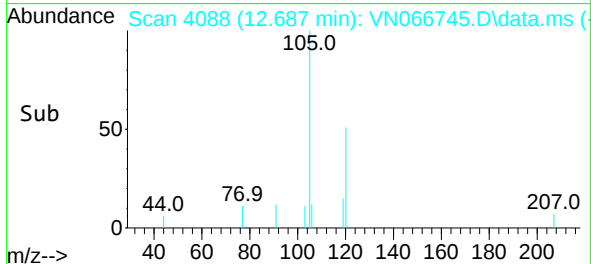
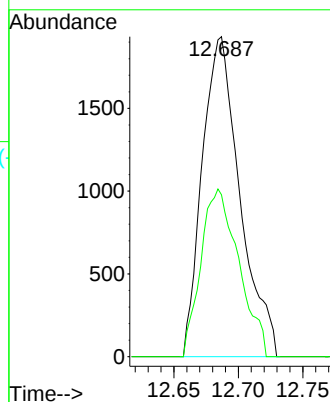
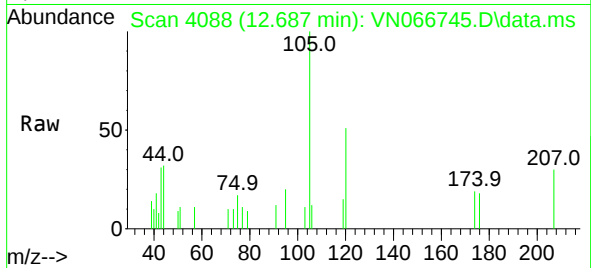




#80
1,3,5-Trimethylbenzene
Concen: 0.33 ug/l
RT: 12.687 min Scan# 4088
Delta R.T. 0.011 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

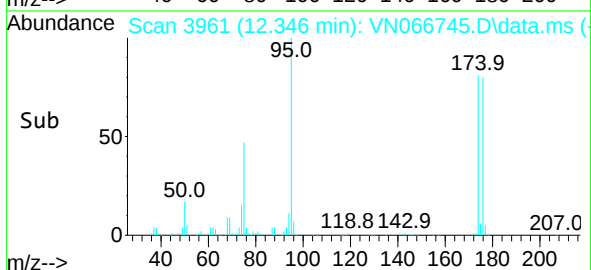
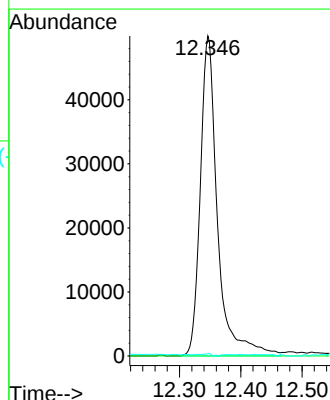
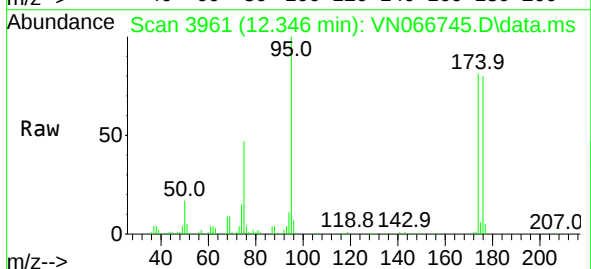
Instrument :
MSVOA_N
ClientSampleId :

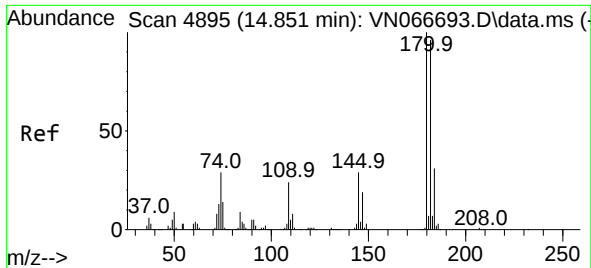
Tgt Ion:105 Resp: 3931
Ion Ratio Lower Upper
105 100
120 52.6 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 67.89 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

Tgt Ion: 75 Resp: 97395
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#

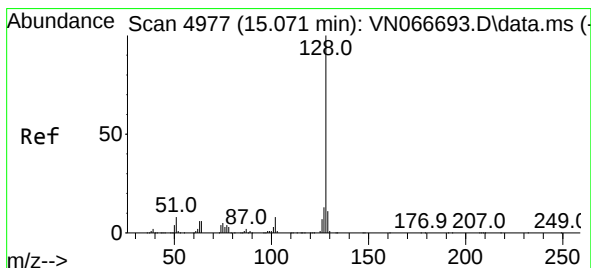
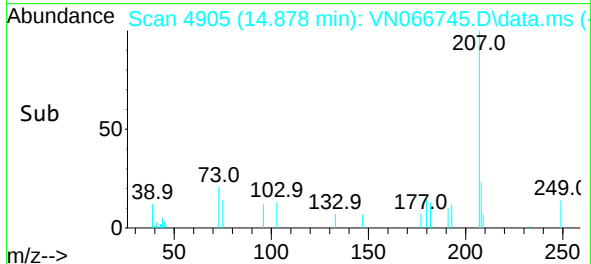
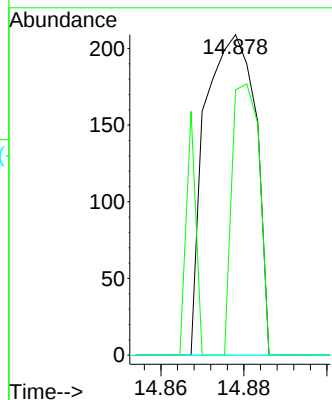
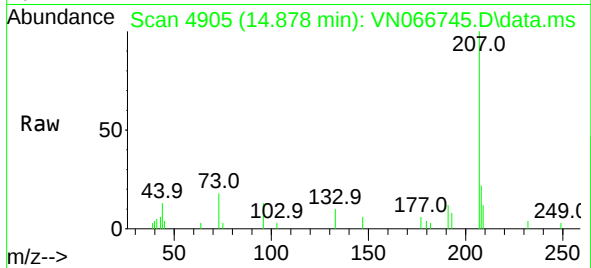




#93
1,2,4-Trichlorobenzene
Concen: 2.05 ug/l
RT: 14.878 min Scan# 4905
Delta R.T. 0.027 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

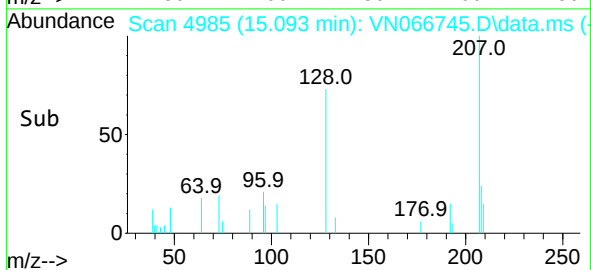
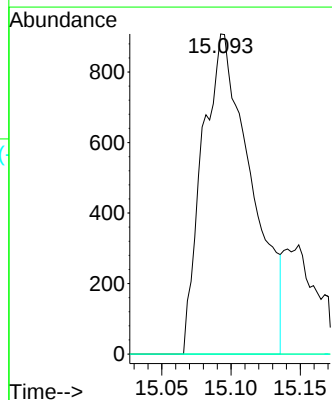
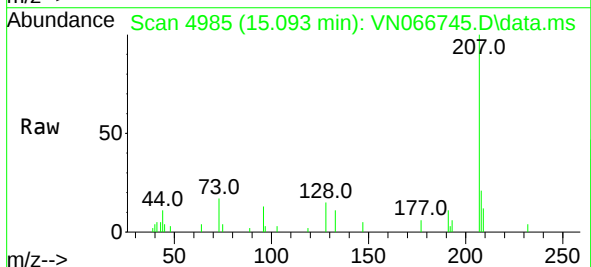
Instrument :
MSVOA_N
ClientSampleId :

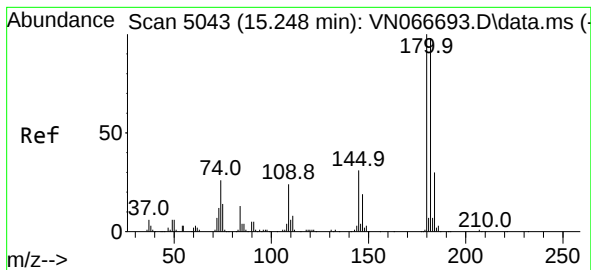
Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 46.3 47.3 142.0#
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 2.08 ug/l
RT: 15.093 min Scan# 4985
Delta R.T. 0.022 min
Lab File: VN066745.D
Acq: 23 Apr 2021 18:10

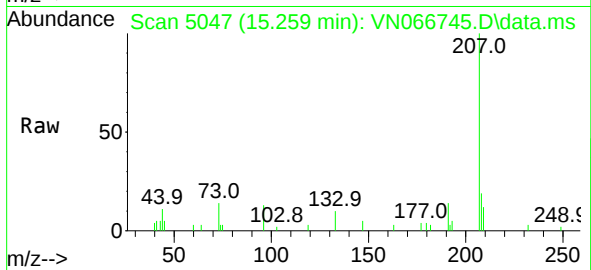
Tgt Ion:128 Resp: 2229
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.44 ug/l
 RT: 15.259 min Scan# 5047
 Delta R.T. 0.011 min
 Lab File: VN066745.D
 Acq: 23 Apr 2021 18:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	304
Ion	Ratio	Lower	Upper
180	100		
182	37.8	47.4	142.3#
145	0.0	16.5	49.5#

