

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066862.D
 Acq On : 29 Apr 2021 15:19
 Operator : JC/MD
 Sample : M2138-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:15:09 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)

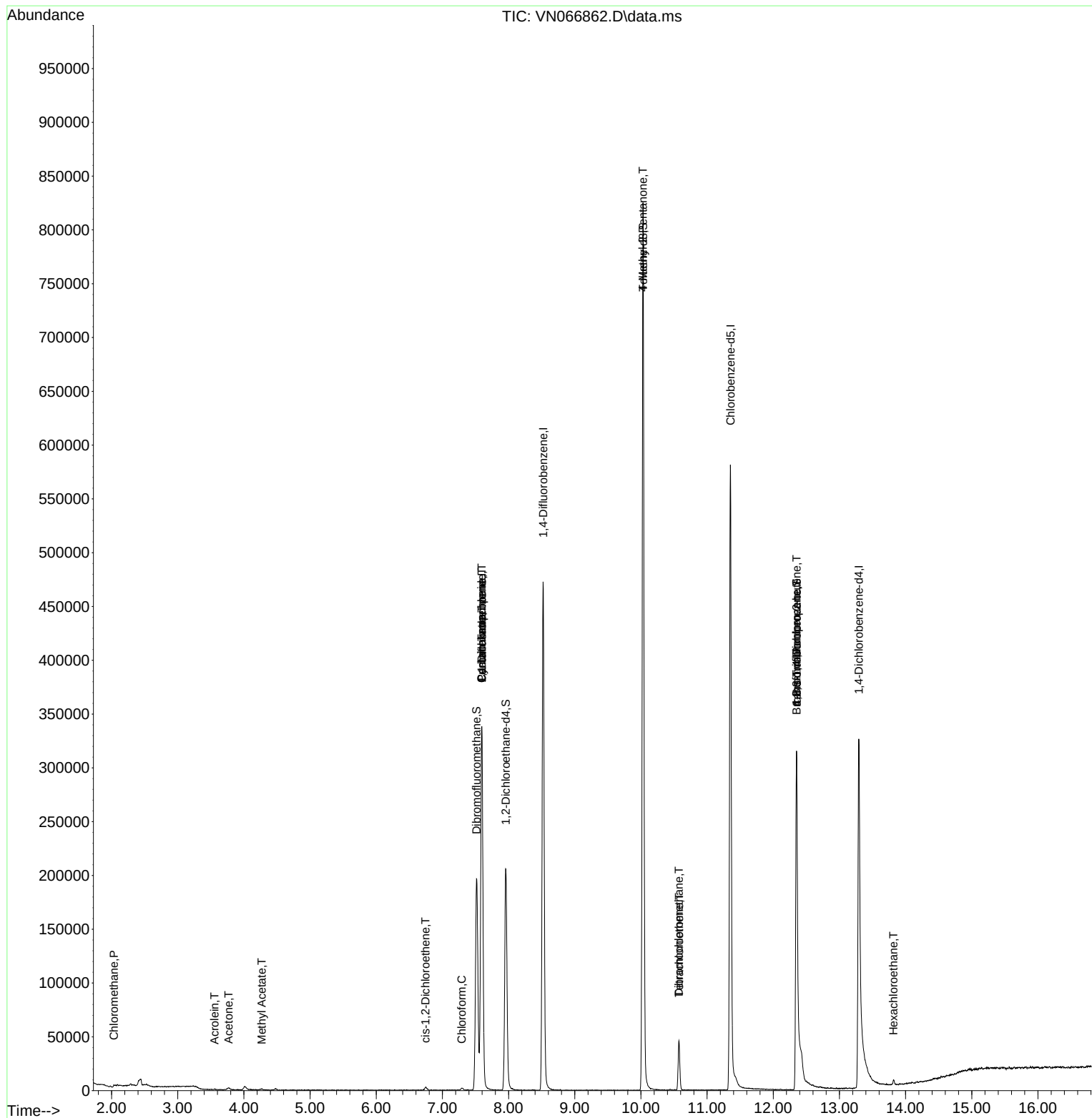
Internal Standards						
1) Pentafluorobenzene	7.596	168	304775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.522	114	462269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.354	117	391963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.293	152	162166	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.958	65	178206	45.51	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.02%		
35) Dibromofluoromethane	7.516	113	158293	55.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	110.94%		
50) Toluene-d8	10.032	98	594181	53.05	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.10%		
62) 4-Bromofluorobenzene	12.351	95	165640	43.71	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.42%		
Target Compounds						
						Qvalue
3) Chloromethane	2.037	50	900	0.21	ug/l	98
13) Acrolein	3.555	56	286	0.57	ug/l	98
16) Acetone	3.766	43	3654	2.47	ug/l	96
18) Methyl Acetate	4.268	43	2420	1.71	ug/l #	68
27) cis-1,2-Dichloroethene	6.743	96	1649	0.43	ug/l	71
30) Chloroform	7.293	83	1306	0.21	ug/l	99
31) Cyclohexane	7.594	56	4843	0.80	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	19562	4.55	ug/l #	48
38) Carbon Tetrachloride	7.594	117	26014	6.32	ug/l #	18
51) 4-Methyl-2-Pentanone	10.029	43	1955	0.50	ug/l #	1
60) Dibromochloromethane	10.573	129	10479	3.12	ug/l #	11
64) Tetrachloroethene	10.576	164	11634	4.49	ug/l	97
71) Bromoform	12.354	173	908	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.351	75	65661	19.21	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.351	75	65661	53.16	ug/l #	12
90) Hexachloroethane	13.816	117	1234	0.62	ug/l	88

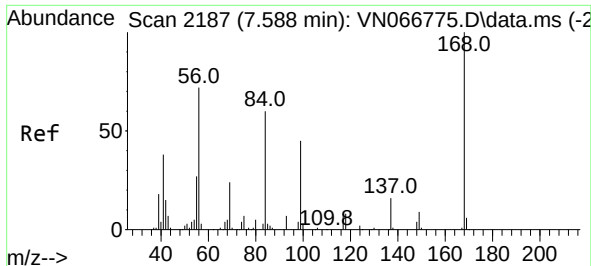
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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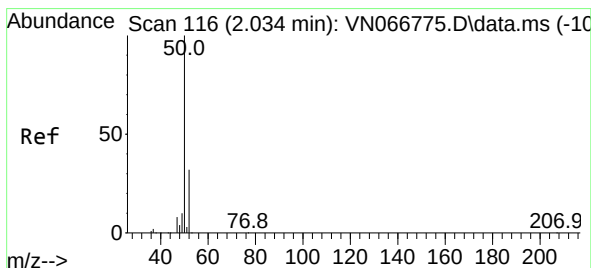
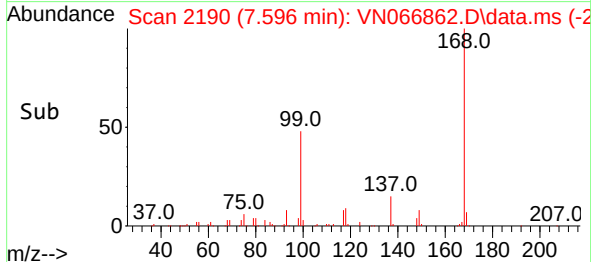
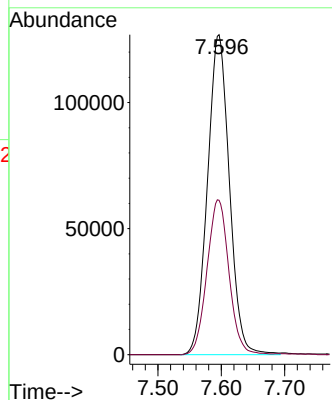
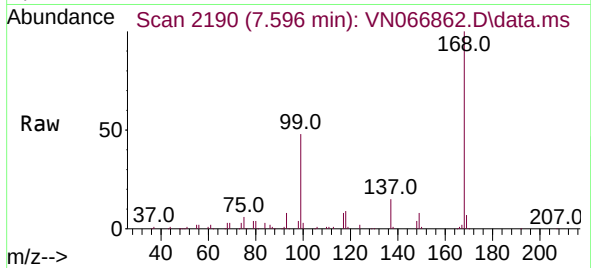




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.596 min Scan# 2190
Delta R.T. 0.008 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

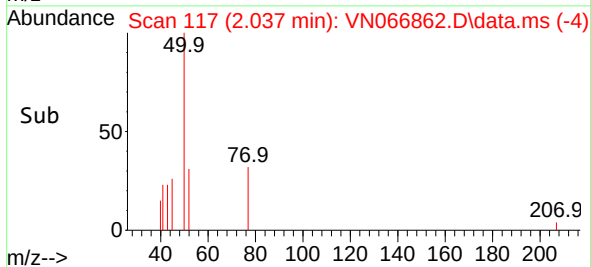
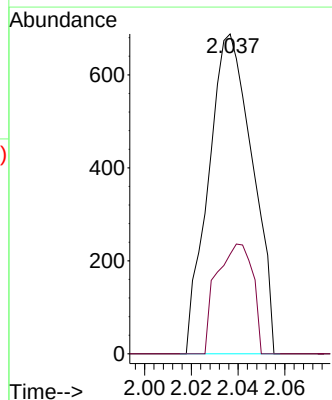
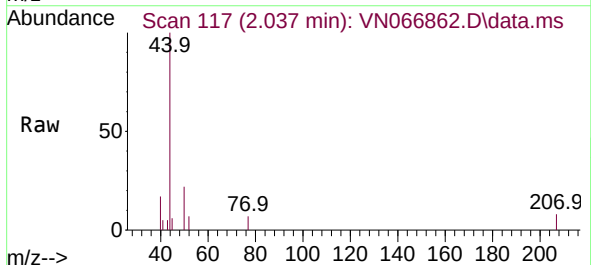
Instrument :
MSVOA_N
ClientSampled :

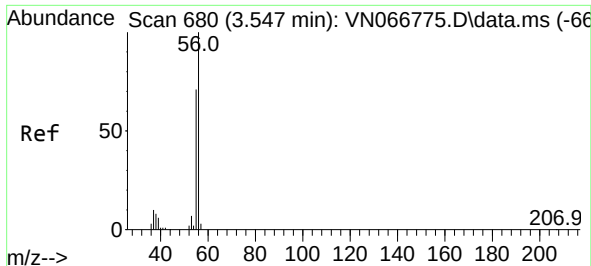
Tgt Ion:168 Resp: 304775
Ion Ratio Lower Upper
168 100
99 48.3 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Tgt Ion: 50 Resp: 900
Ion Ratio Lower Upper
50 100
52 31.1 25.8 38.8

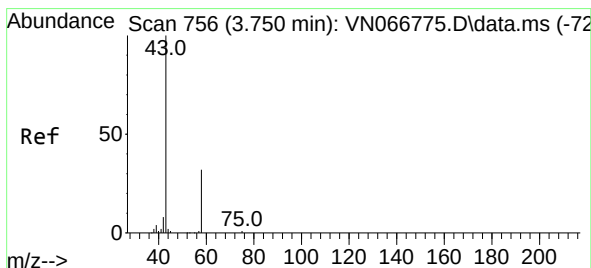
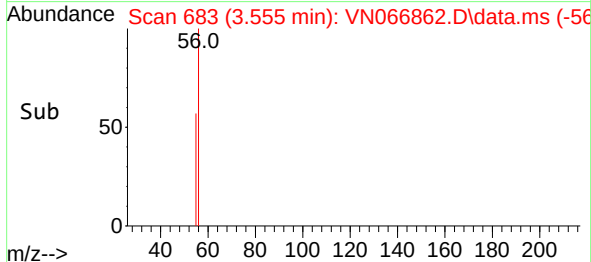
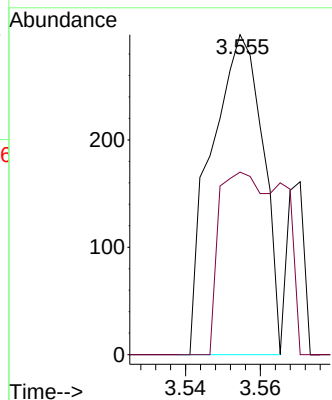
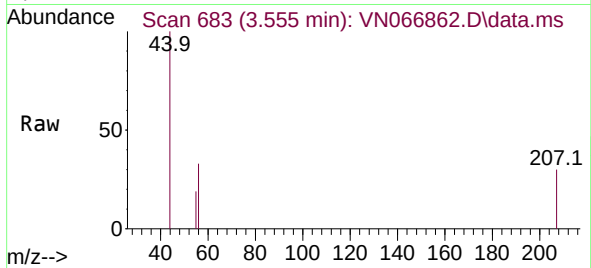




#13
Acrolein
Concen: 0.57 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

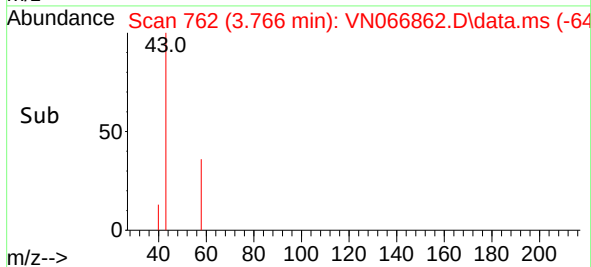
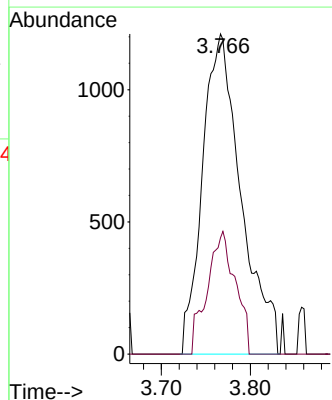
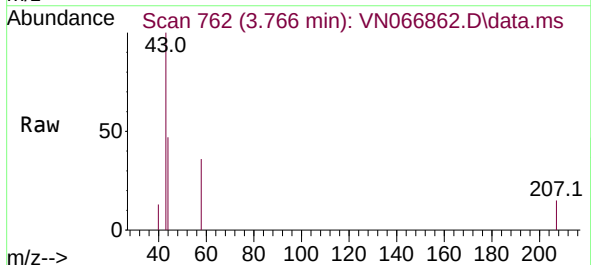
Instrument :
MSVOA_N
ClientSampled :

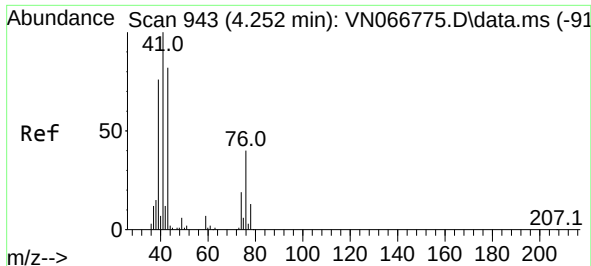
Tgt Ion: 56 Resp: 286
Ion Ratio Lower Upper
56 100
55 71.7 56.0 84.0



#16
Acetone
Concen: 2.47 ug/l
RT: 3.766 min Scan# 762
Delta R.T. 0.016 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

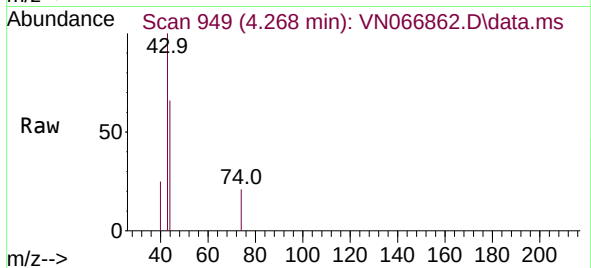
Tgt Ion: 43 Resp: 3654
Ion Ratio Lower Upper
43 100
58 36.3 27.0 40.6



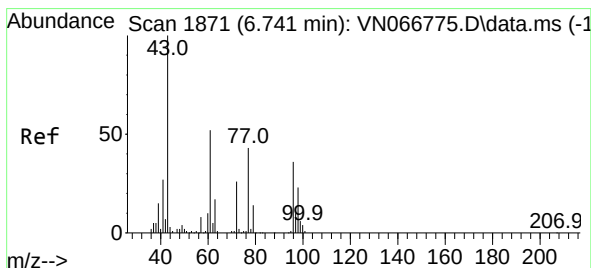
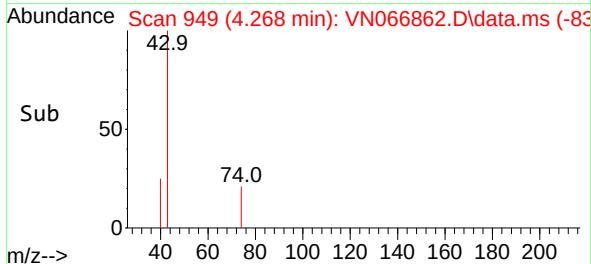
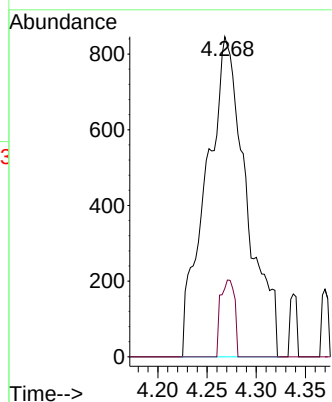


#18
Methyl Acetate
Concen: 1.71 ug/l
RT: 4.268 min Scan# 949
Delta R.T. 0.016 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Instrument :
MSVOA_N
ClientSampled :

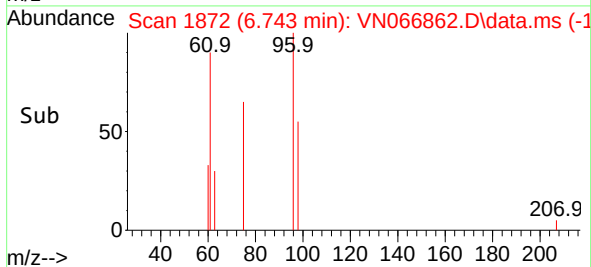
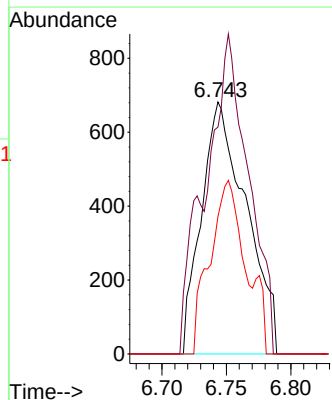
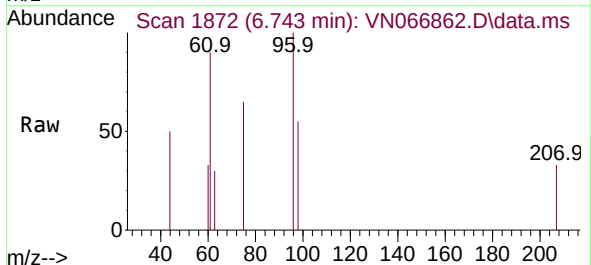


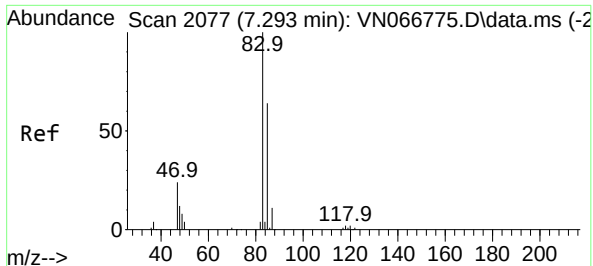
Tgt Ion: 43 Resp: 2420
Ion Ratio Lower Upper
43 100
74 8.3 19.5 29.3#



#27
cis-1,2-Dichloroethene
Concen: 0.43 ug/l
RT: 6.743 min Scan# 1872
Delta R.T. 0.002 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Tgt Ion: 96 Resp: 1649
Ion Ratio Lower Upper
96 100
61 98.3 0.0 276.8
98 49.8 0.0 129.4





#30

Chloroform

Concen: 0.21 ug/l

RT: 7.293 min Scan# 2077

Delta R.T. 0.000 min

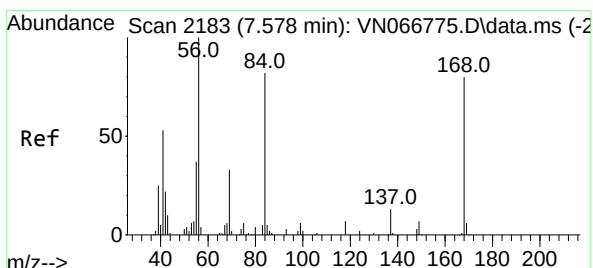
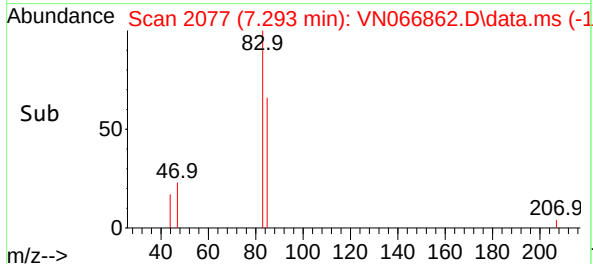
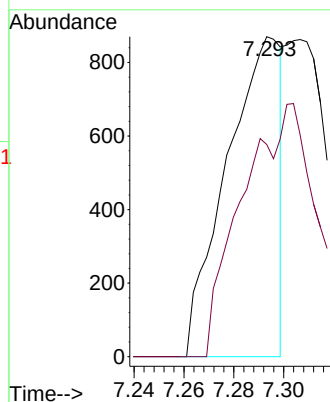
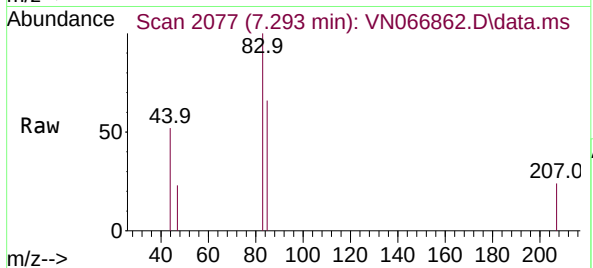
Lab File: VN066862.D

Acq: 29 Apr 2021 15:19

Tgt Ion: 83 Resp: 1306

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	78.8

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.80 ug/l

RT: 7.594 min Scan# 2189

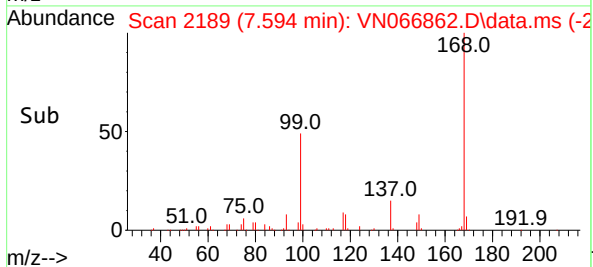
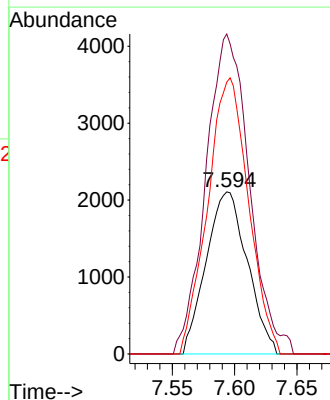
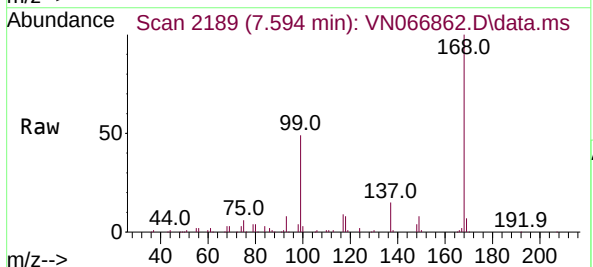
Delta R.T. 0.016 min

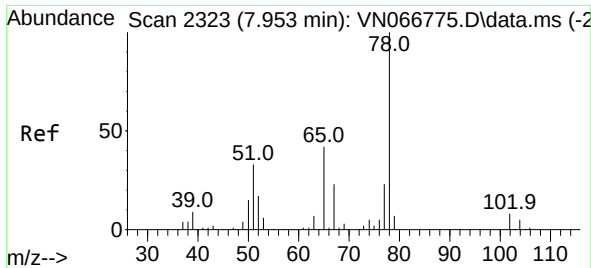
Lab File: VN066862.D

Acq: 29 Apr 2021 15:19

Tgt Ion: 56 Resp: 4843

Ion	Ratio	Lower	Upper
56	100		
69	186.2	26.6	39.8#
84	167.8	70.4	105.6#

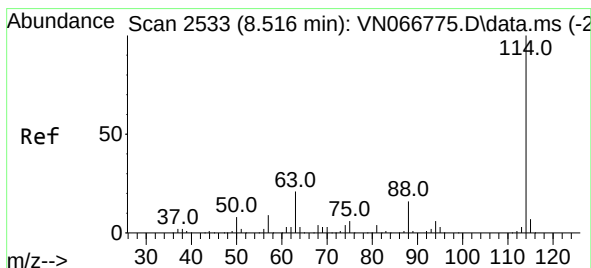
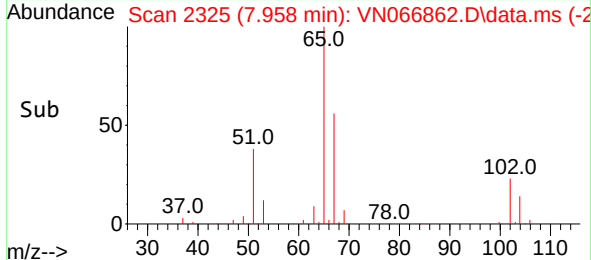
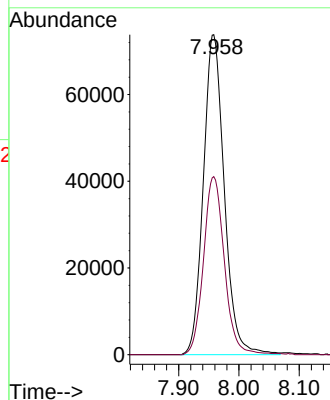
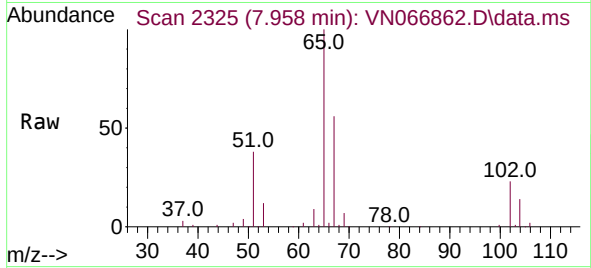




#33
 1,2-Dichloroethane-d4
 Concen: 45.51 ug/l
 RT: 7.958 min Scan# 2325
 Delta R.T. 0.005 min
 Lab File: VN066862.D
 Acq: 29 Apr 2021 15:19

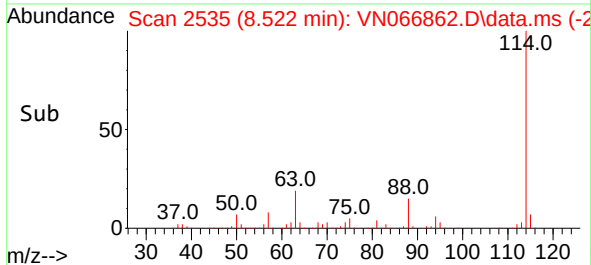
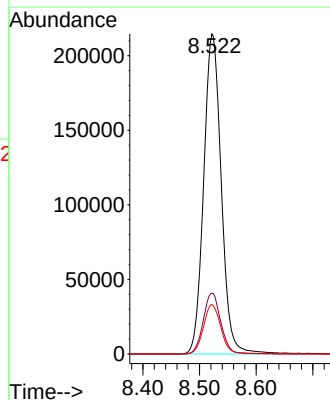
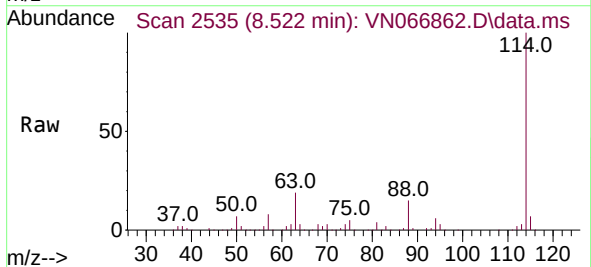
Instrument :
 MSVOA_N
 ClientSampled :

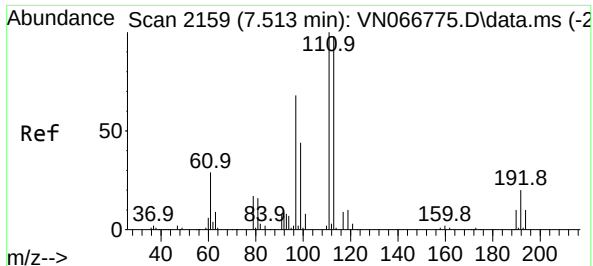
Tgt Ion: 65 Resp: 178206
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.522 min Scan# 2535
 Delta R.T. 0.006 min
 Lab File: VN066862.D
 Acq: 29 Apr 2021 15:19

Tgt Ion: 114 Resp: 462269
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.4 0.0 30.6

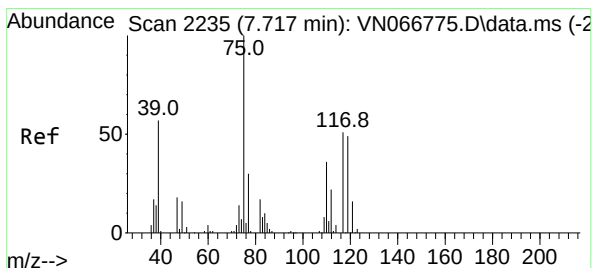
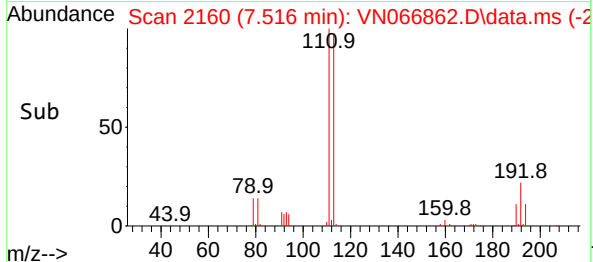
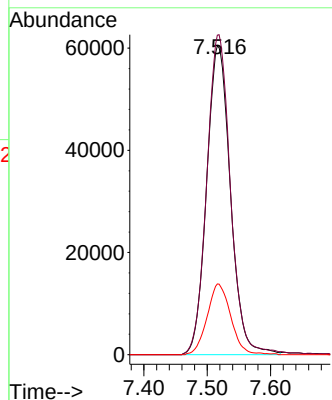
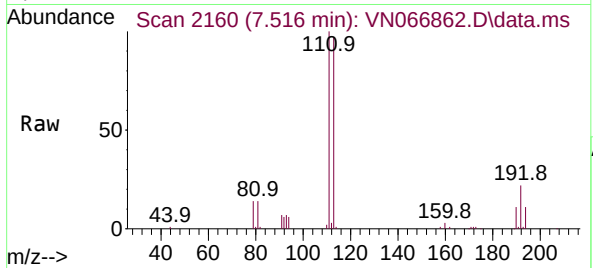




#35
Dibromofluoromethane
Concen: 55.47 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

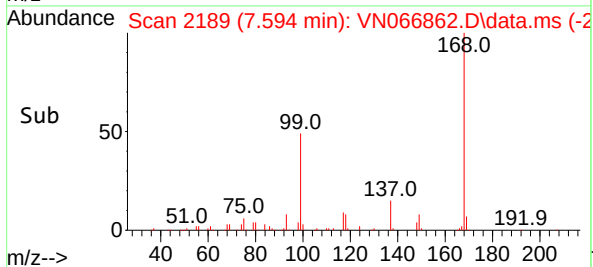
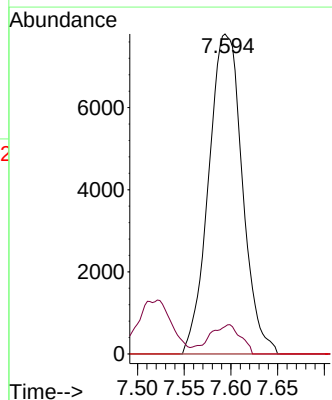
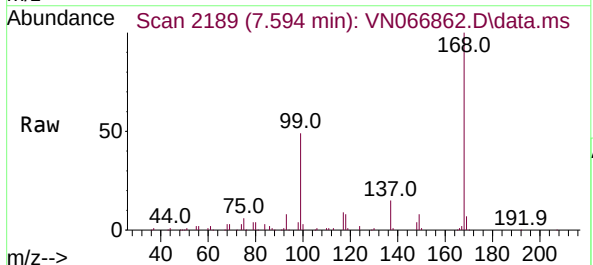
Instrument :
MSVOA_N
ClientSampleId :

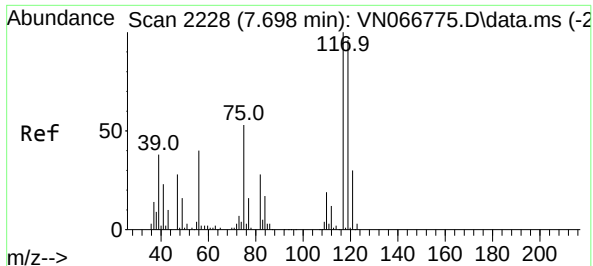
Tgt Ion:113 Resp: 158293
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 22.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.55 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Tgt Ion: 75 Resp: 19562
Ion Ratio Lower Upper
75 100
110 8.4 18.2 54.6#
77 0.0 24.9 37.3#

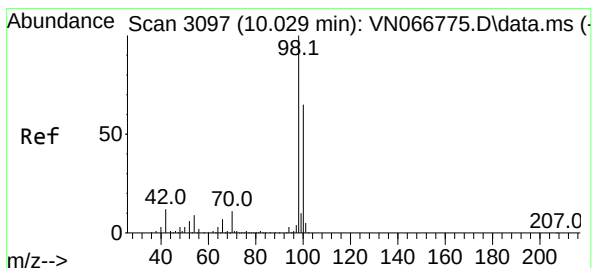
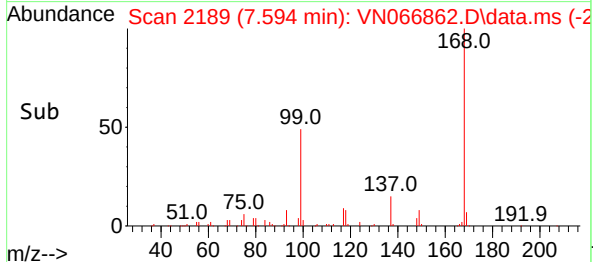
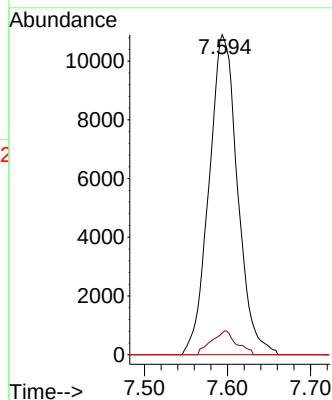
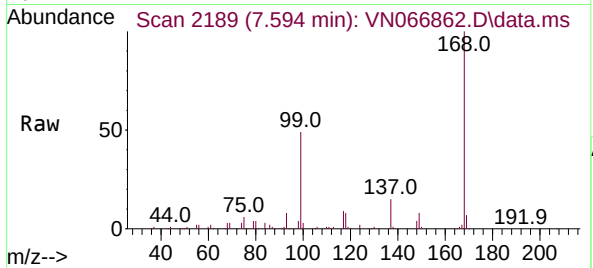




#38
Carbon Tetrachloride
Concen: 6.32 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.104 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

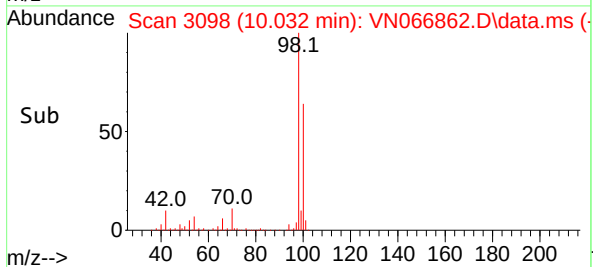
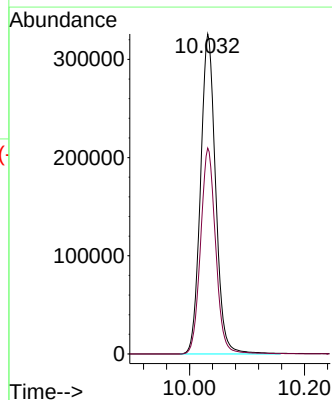
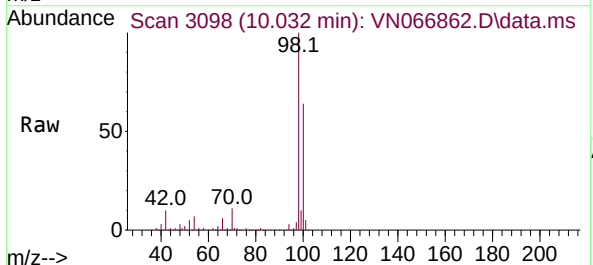
Instrument :
MSVOA_N
ClientSampled :

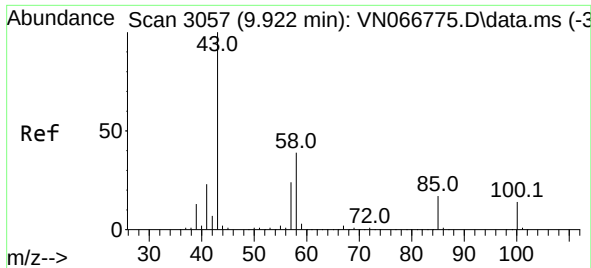
Tgt Ion:117 Resp: 26014
Ion Ratio Lower Upper
117 100
119 6.8 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.05 ug/l
RT: 10.032 min Scan# 3098
Delta R.T. 0.003 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Tgt Ion: 98 Resp: 594181
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7

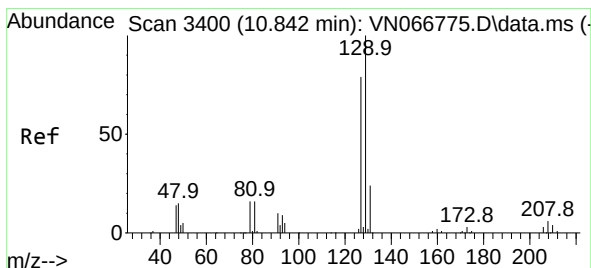
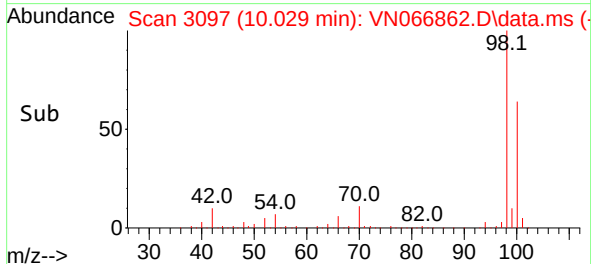
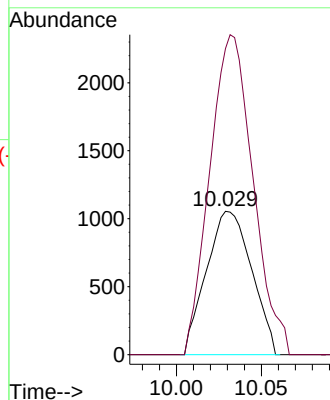
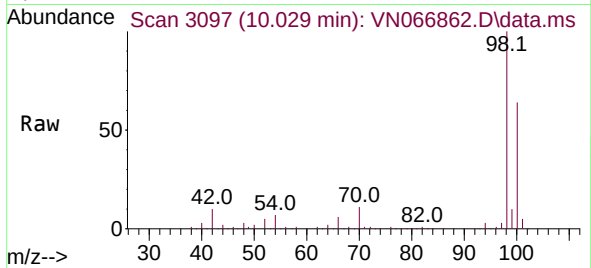




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.107 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

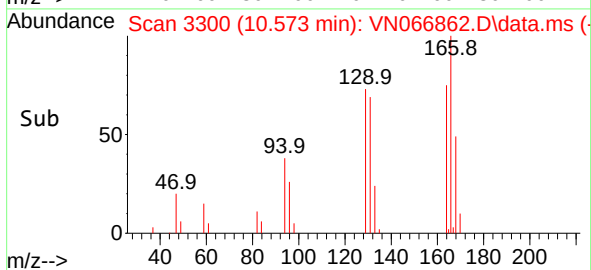
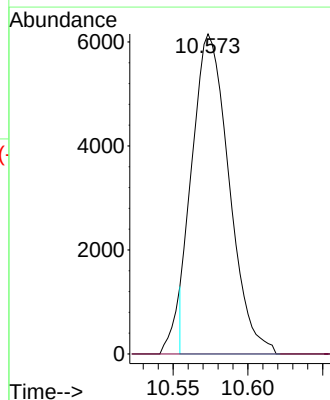
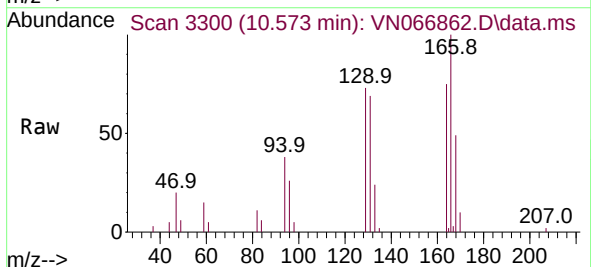
Instrument :
MSVOA_N
ClientSampled :

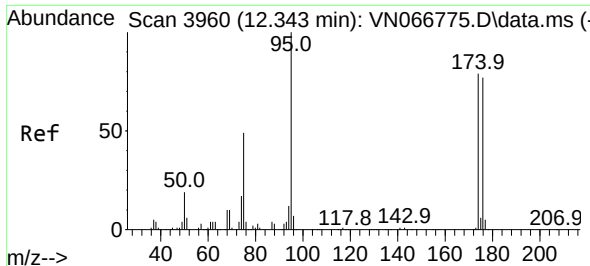
Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
58 213.2 32.5 48.7#



#60
Dibromochloromethane
Concen: 3.12 ug/l
RT: 10.573 min Scan# 3300
Delta R.T. -0.269 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Tgt Ion: 129 Resp: 10479
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

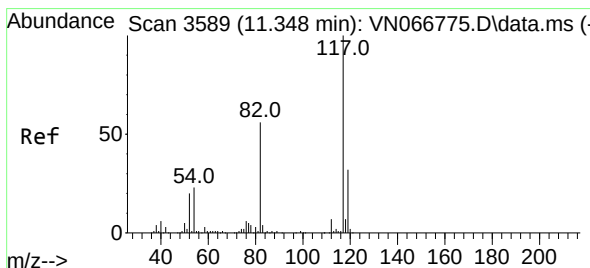
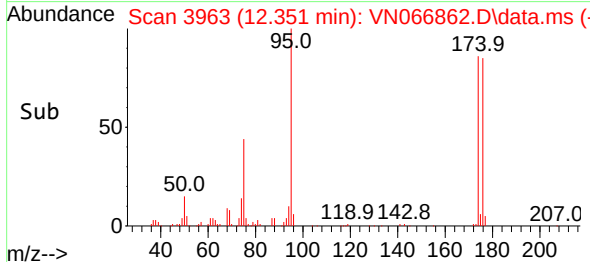
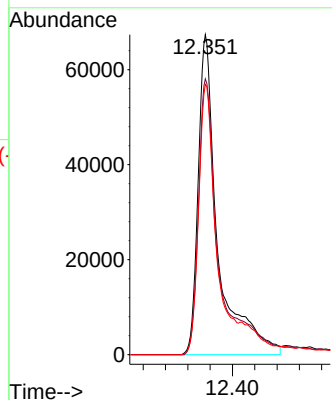
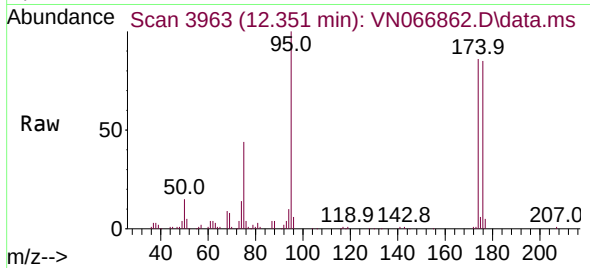




#62
4-Bromofluorobenzene
Concen: 43.71 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.008 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

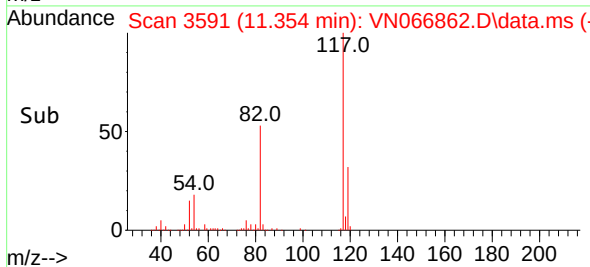
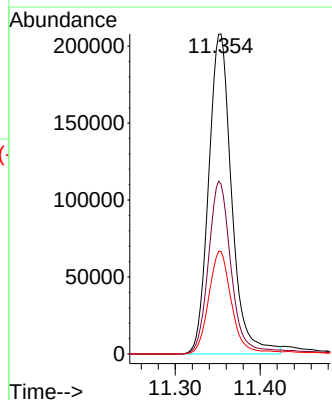
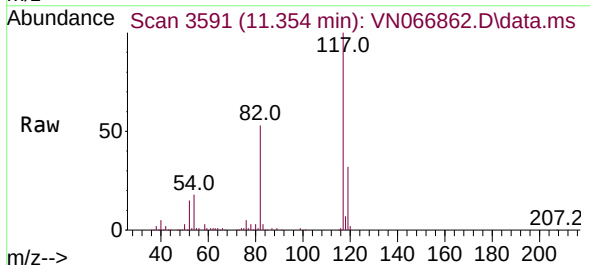
Instrument :
MSVOA_N
ClientSampled :

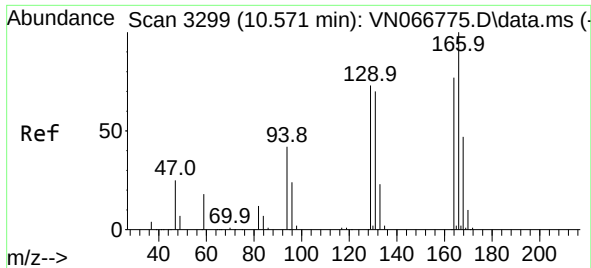
Tgt Ion: 95 Resp: 165640
Ion Ratio Lower Upper
95 100
174 88.4 0.0 169.0
176 73.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.354 min Scan# 3591
Delta R.T. 0.006 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

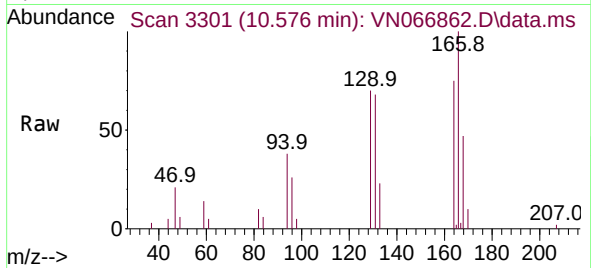
Tgt Ion: 117 Resp: 391963
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.1 26.1 39.1





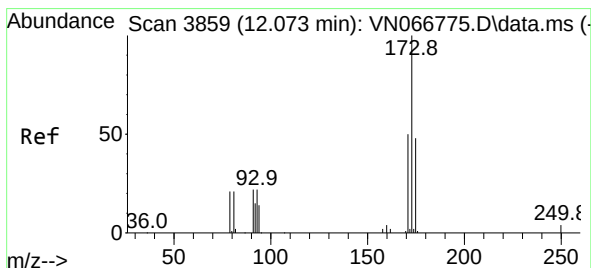
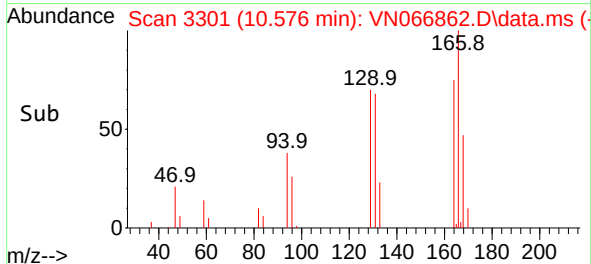
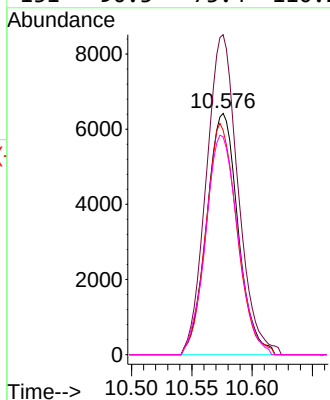
#64
Tetrachloroethene
Concen: 4.49 ug/l
RT: 10.576 min Scan# 3301
Delta R.T. 0.005 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:164 Resp: 11634

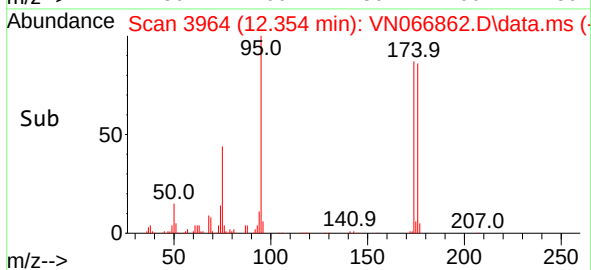
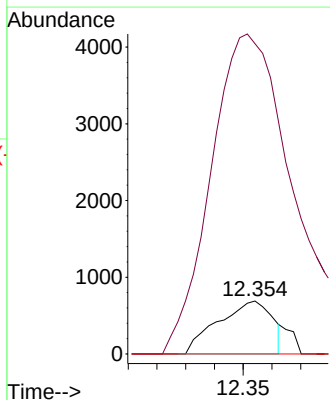
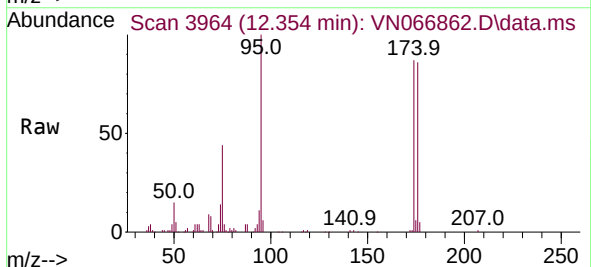
Ion	Ratio	Lower	Upper
164	100		
166	132.6	102.6	154.0
129	93.0	76.2	114.4
131	90.3	73.4	110.2

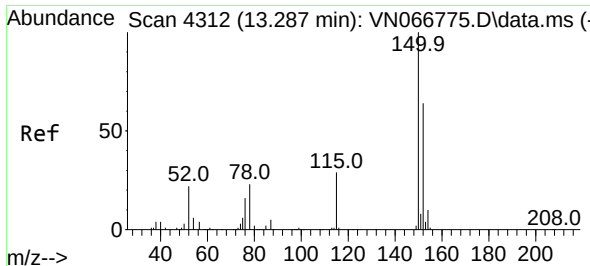


#71
Bromoform
Concen: 0.43 ug/l
RT: 12.354 min Scan# 3964
Delta R.T. 0.281 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

Tgt Ion:173 Resp: 908

Ion	Ratio	Lower	Upper
173	100		
175	694.2	23.8	71.2#
254	0.0	0.0	0.0

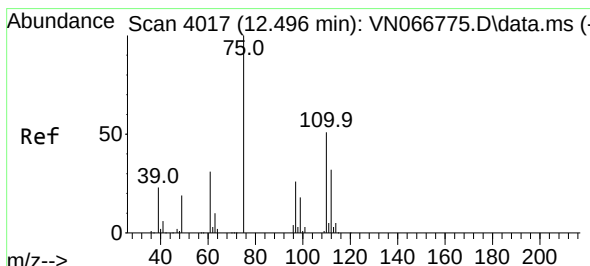
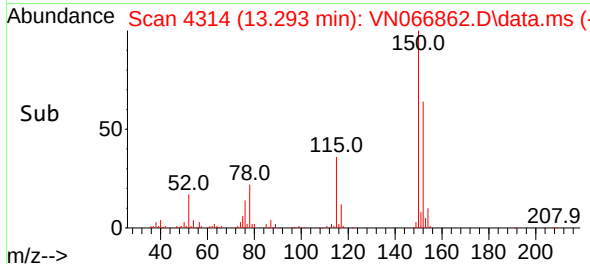
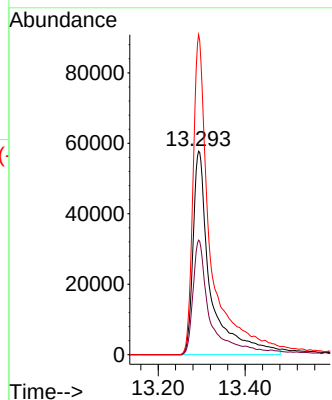
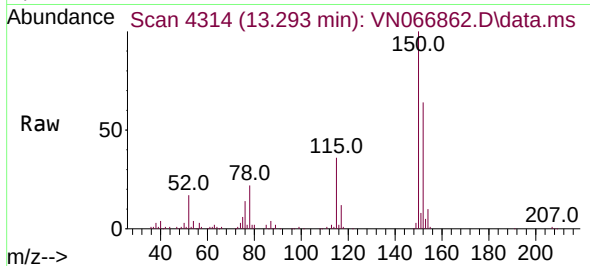




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.293 min Scan# 4314
Delta R.T. 0.005 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

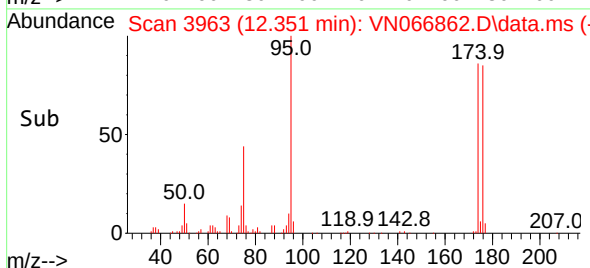
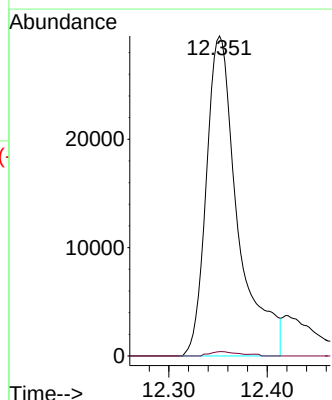
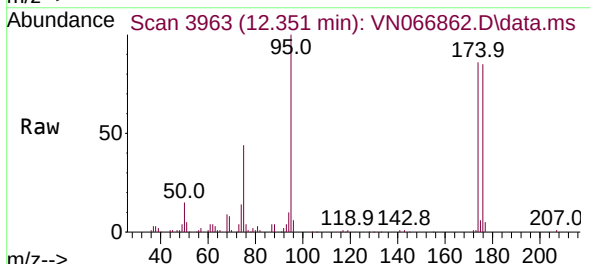
Instrument :
MSVOA_N
ClientSampled :

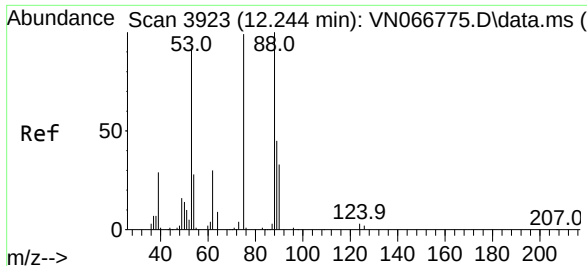
Tgt Ion:152 Resp: 162166
Ion Ratio Lower Upper
152 100
115 51.1 28.5 85.6
150 147.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 19.21 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. -0.145 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

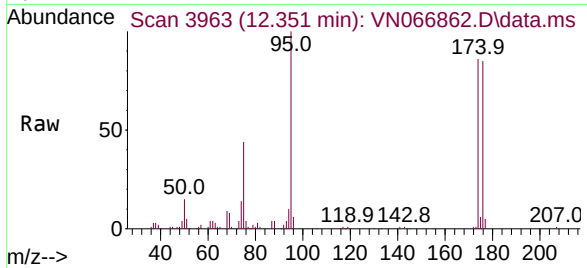
Tgt Ion: 75 Resp: 65661
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



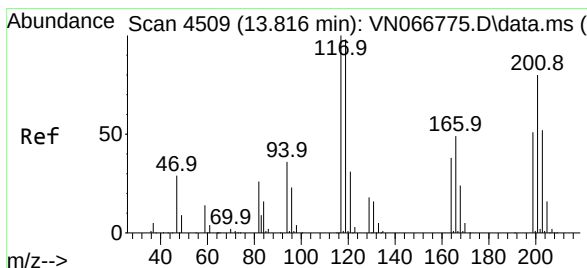
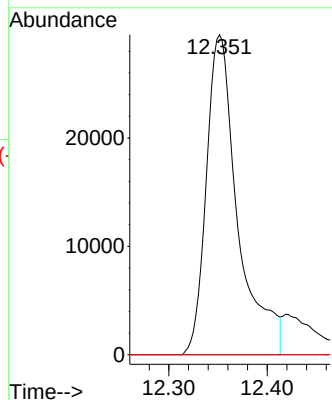
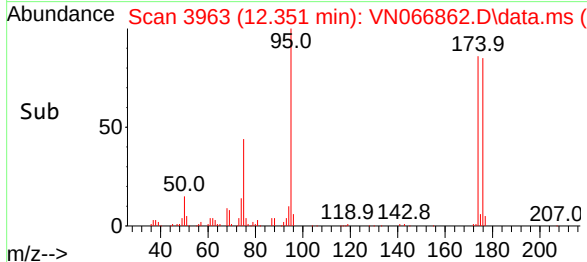


#81
trans-1,4-Dichloro-2-butene
Concen: 53.16 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.107 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19

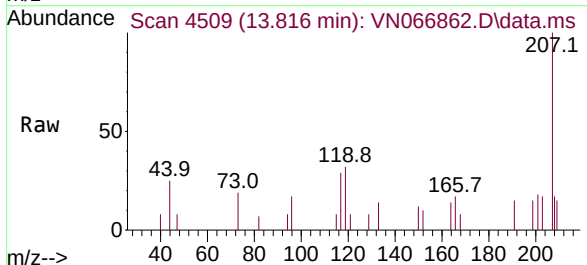
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 75 Resp: 65661
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#90
Hexachloroethane
Concen: 0.62 ug/l
RT: 13.816 min Scan# 4509
Delta R.T. -0.000 min
Lab File: VN066862.D
Acq: 29 Apr 2021 15:19



Tgt Ion: 117 Resp: 1234
Ion Ratio Lower Upper
117 100
201 65.1 37.8 113.3

