

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066809.D
 Acq On : 28 Apr 2021 13:59
 Operator : JC/MD
 Sample : M2136-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 04:29:26 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)

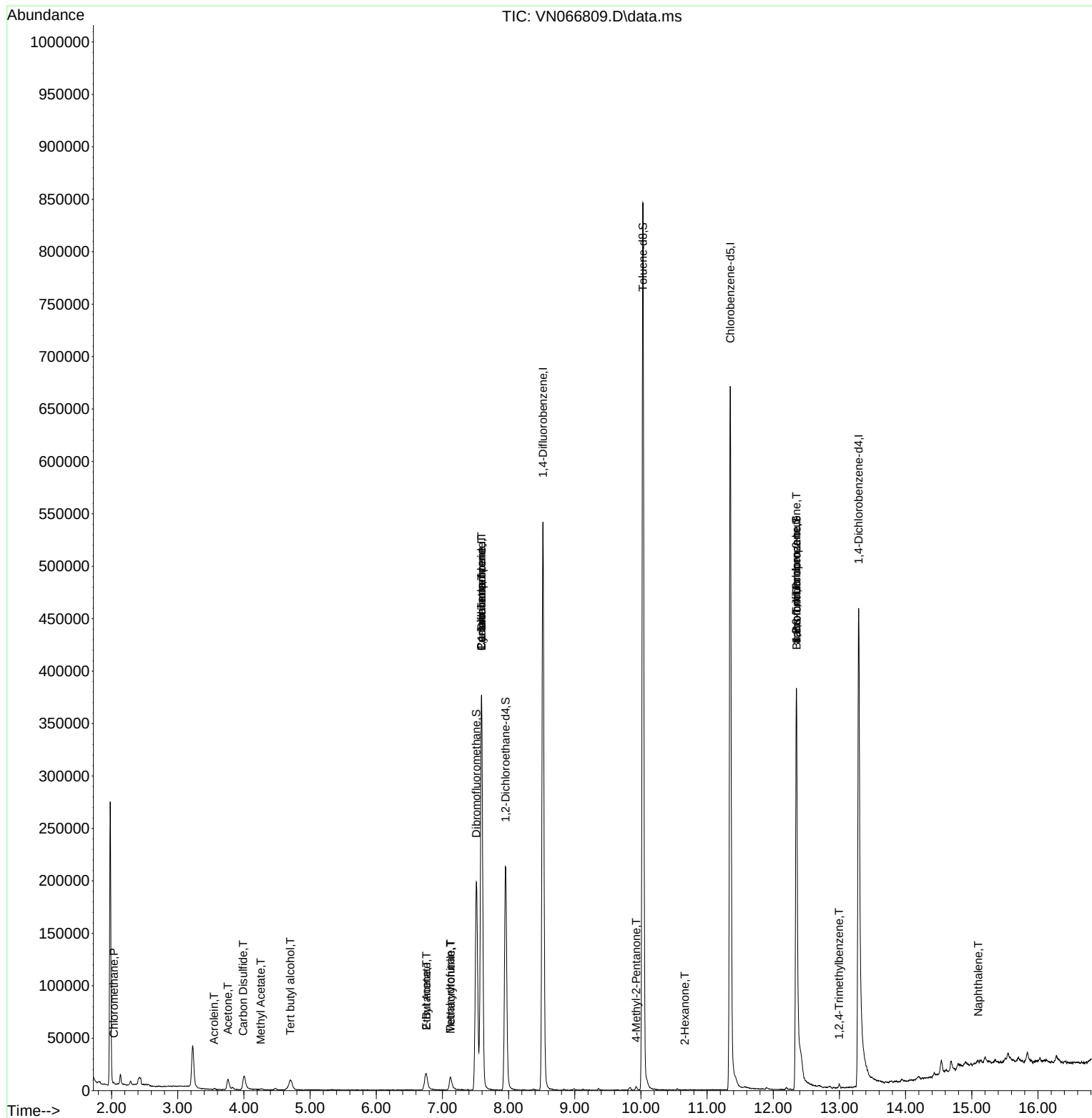
Internal Standards						
1) Pentafluorobenzene	7.591	168	343547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	514737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	449573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	189719	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	186860	42.33	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.66%		
35) Dibromofluoromethane	7.513	113	159292	50.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.26%		
50) Toluene-d8	10.029	98	615570	49.36	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.72%		
62) 4-Bromofluorobenzene	12.349	95	191358	45.35	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.70%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.037	50	1089	0.22	ug/l #	88
11) Tert butyl alcohol	4.702	59	21216	31.17	ug/l #	80
13) Acrolein	3.549	56	349	0.61	ug/l #	4
16) Acetone	3.758	43	17119	10.28	ug/l	100
17) Carbon Disulfide	3.986	76	3667	0.35	ug/l #	94
18) Methyl Acetate	4.255	43	815	1.29	ug/l #	51
25) 2-Butanone	6.760	43	19327	8.26	ug/l	100
29) Tetrahydrofuran	7.119	42	511	0.32	ug/l #	52
31) Cyclohexane	7.591	56	5628	0.82	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	22614	4.73	ug/l #	48
37) Ethyl Acetate	6.760	43	19327	3.80	ug/l #	69
38) Carbon Tetrachloride	7.591	117	28692	6.26	ug/l #	17
41) Methacrylonitrile	7.127	41	2937	1.27	ug/l #	100
51) 4-Methyl-2-Pentanone	9.930	43	2814	0.64	ug/l #	86
59) 2-Hexanone	10.664	43	269	19.61	ug/l #	23
71) Bromoform	12.351	173	858	0.35	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	77543	19.39	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	77543	53.59	ug/l #	12
84) 1,2,4-Trimethylbenzene	12.995	105	2516	0.23	ug/l	94
95) Naphthalene	15.098	128	4004	0.48	ug/l #	86

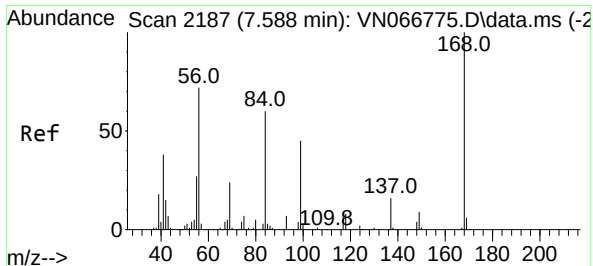
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

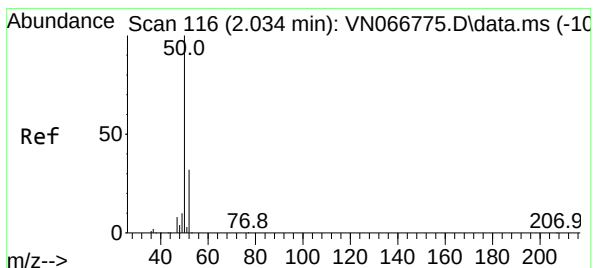
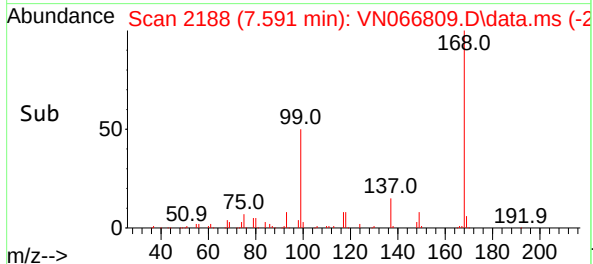
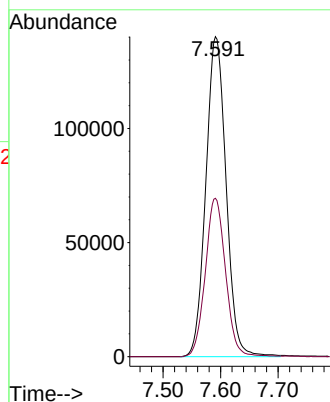
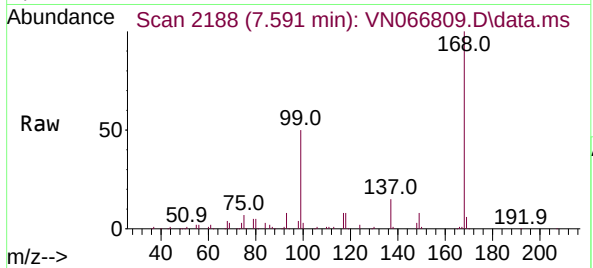




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

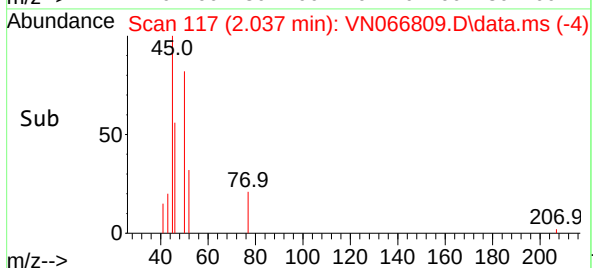
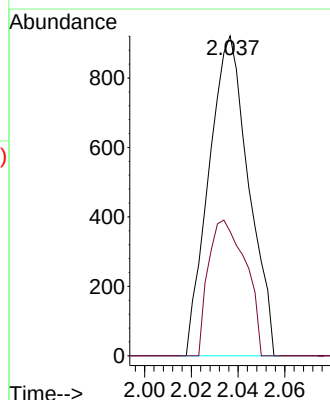
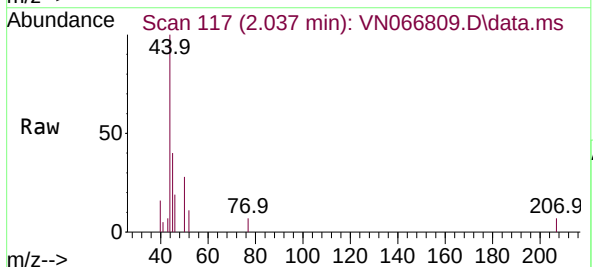
Instrument :
MSVOA_N
ClientSampled :

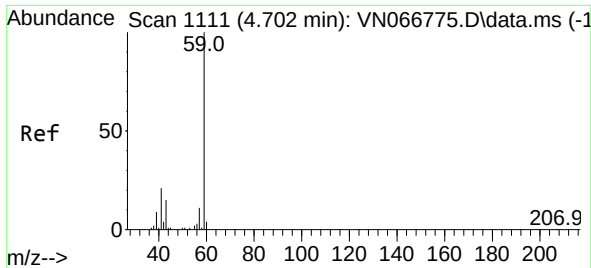
Tgt Ion:168 Resp: 343547
Ion Ratio Lower Upper
168 100
99 49.5 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion: 50 Resp: 1089
Ion Ratio Lower Upper
50 100
52 38.9 25.8 38.8#

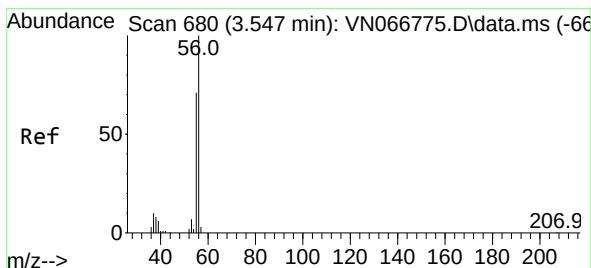
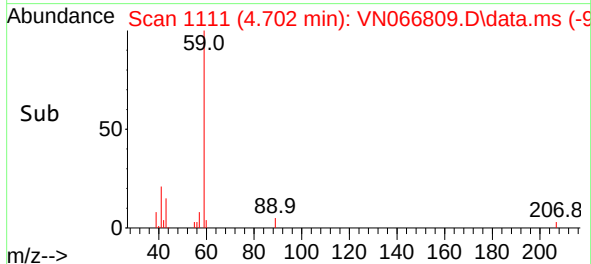
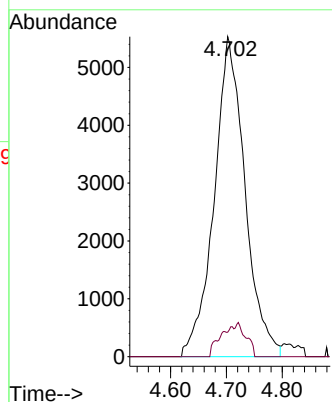
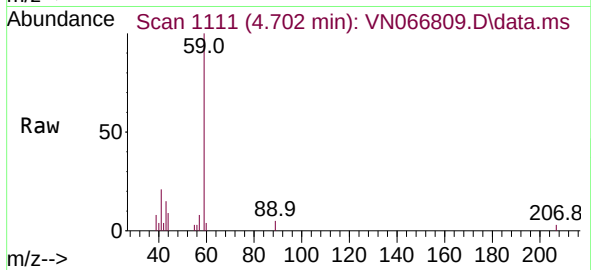




#11
Tert butyl alcohol
Concen: 31.17 ug/l
RT: 4.702 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

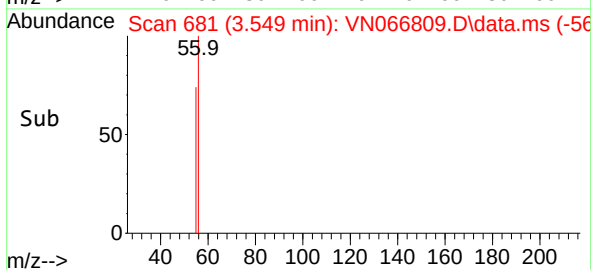
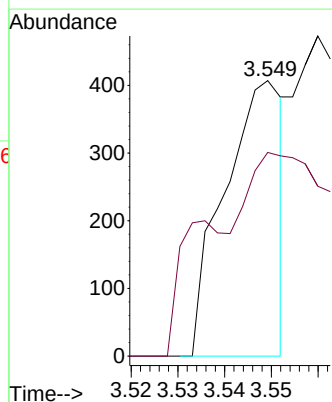
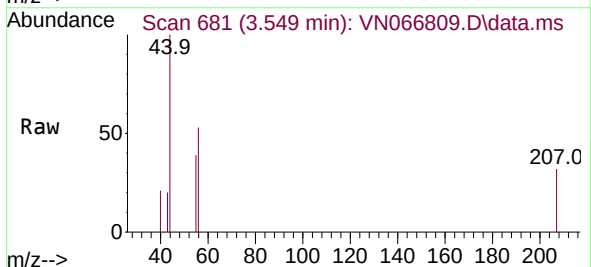
Instrument :
MSVOA_N
ClientSampled :

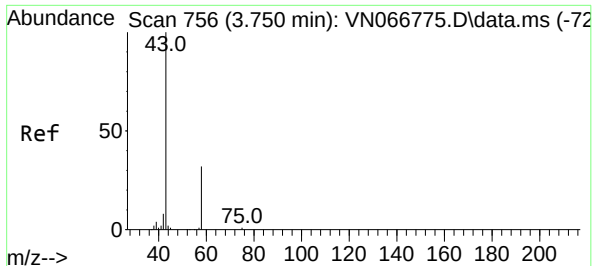
Tgt Ion: 59 Resp: 21216
Ion Ratio Lower Upper
59 100
57 2.7 8.0 12.0#



#13
Acrolein
Concen: 0.61 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
55 149.0 56.0 84.0#

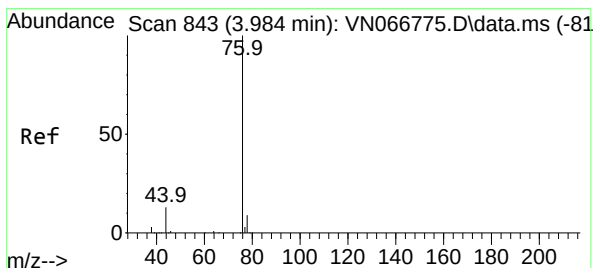
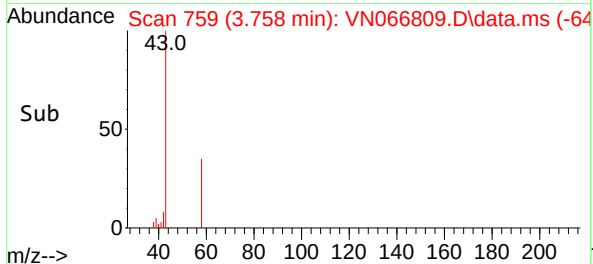
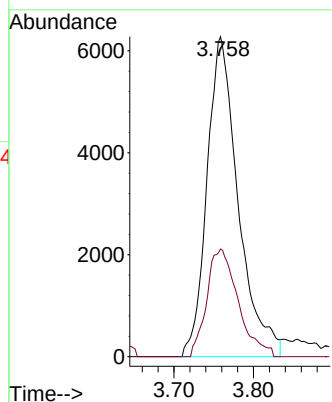
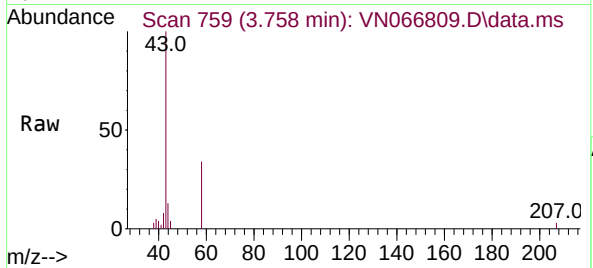




#16
Acetone
Concen: 10.28 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.008 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

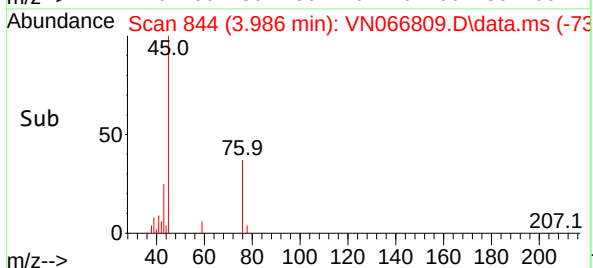
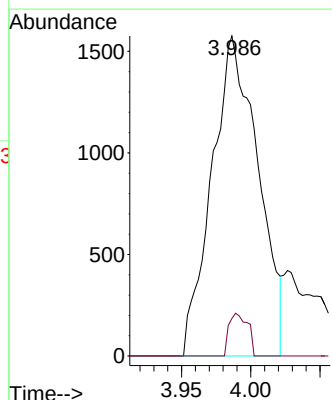
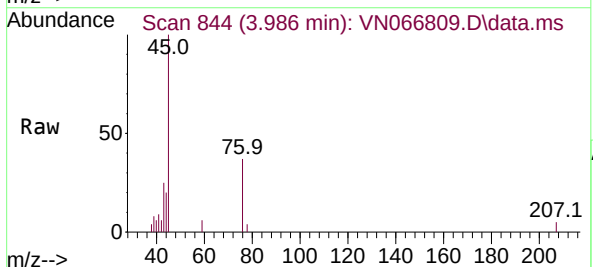
Instrument :
MSVOA_N
ClientSampled :

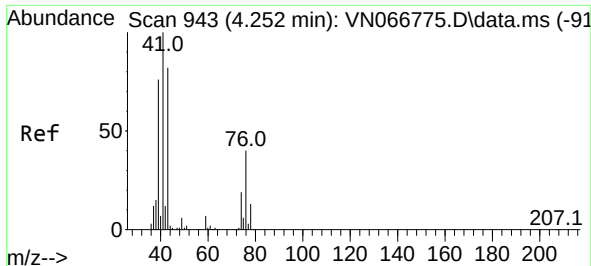
Tgt Ion: 43 Resp: 17119
Ion Ratio Lower Upper
43 100
58 33.6 27.0 40.6



#17
Carbon Disulfide
Concen: 0.35 ug/l
RT: 3.986 min Scan# 844
Delta R.T. 0.002 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

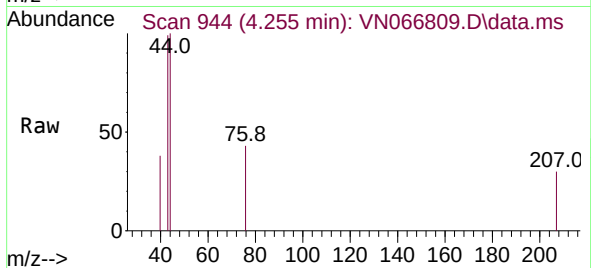
Tgt Ion: 76 Resp: 3667
Ion Ratio Lower Upper
76 100
78 11.7 7.8 11.6#



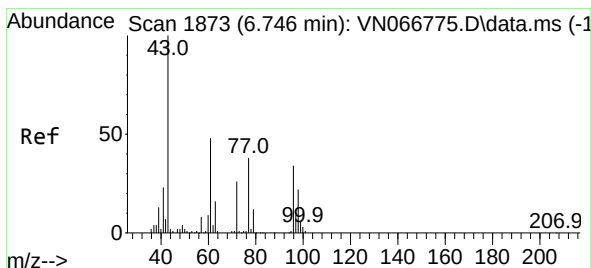
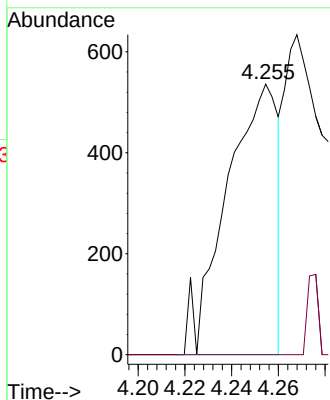
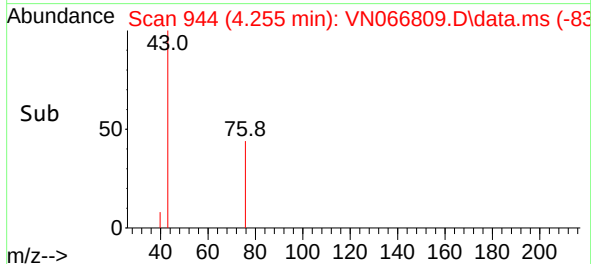


#18
Methyl Acetate
Concen: 1.29 ug/l
RT: 4.255 min Scan# 944
Delta R.T. 0.003 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

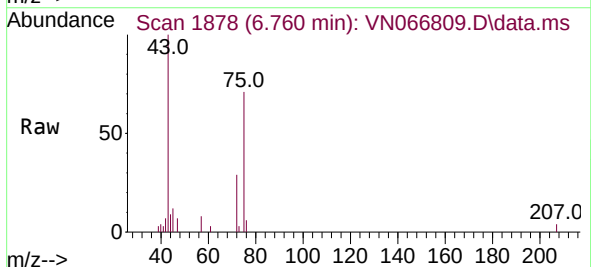
Instrument :
MSVOA_N
ClientSampled :



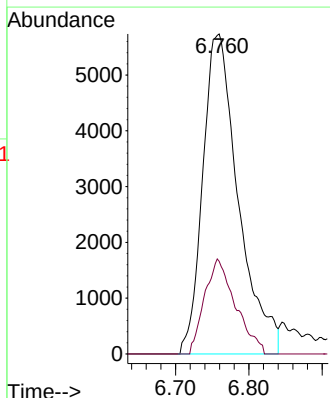
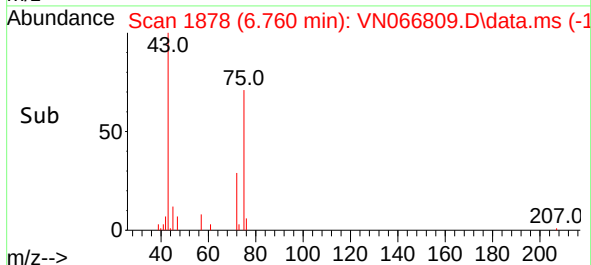
Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#

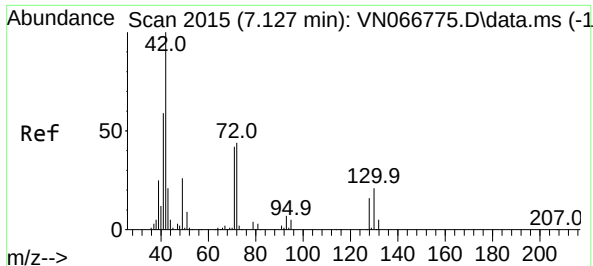


#25
2-Butanone
Concen: 8.26 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59



Tgt Ion: 43 Resp: 19327
Ion Ratio Lower Upper
43 100
72 29.0 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.32 ug/l

RT: 7.119 min Scan# 2012

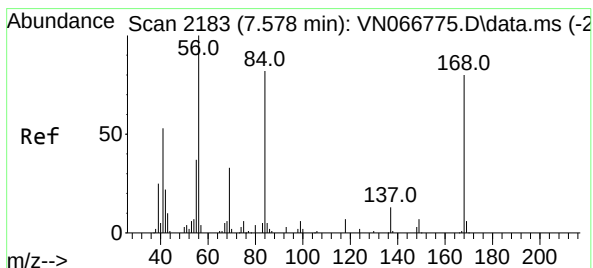
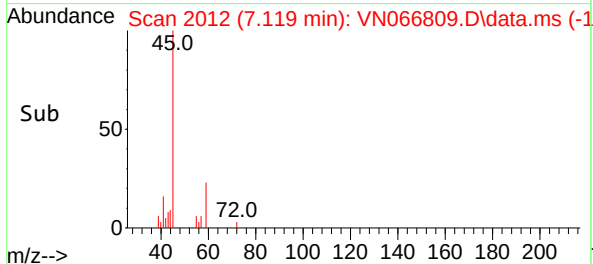
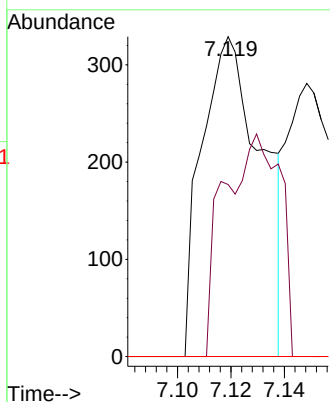
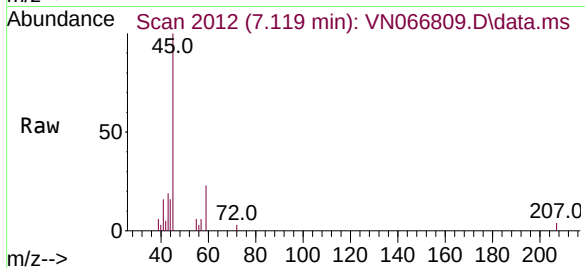
Delta R.T. -0.008 min

Lab File: VN066809.D

Acq: 28 Apr 2021 13:59

Tgt Ion: 42	Resp: 511
Ion Ratio	Lower Upper
42	100
72	65.8 36.6 55.0#
71	0.0 34.3 51.5#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.82 ug/l

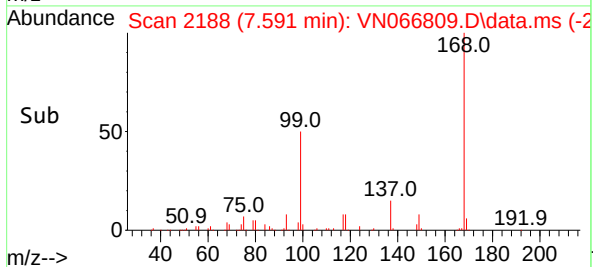
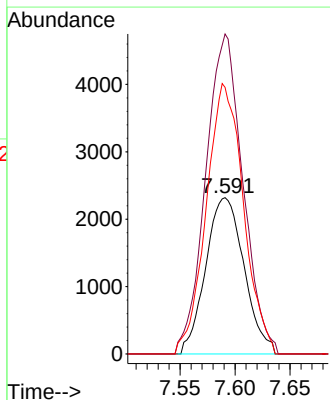
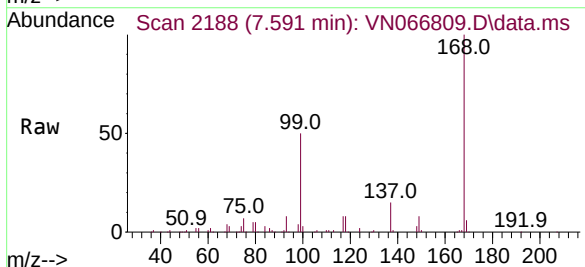
RT: 7.591 min Scan# 2188

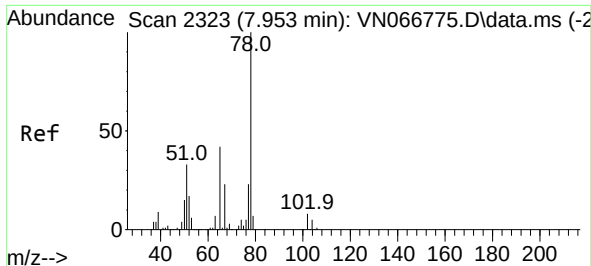
Delta R.T. 0.013 min

Lab File: VN066809.D

Acq: 28 Apr 2021 13:59

Tgt Ion: 56	Resp: 5628
Ion Ratio	Lower Upper
56	100
69	204.6 26.6 39.8#
84	170.4 70.4 105.6#

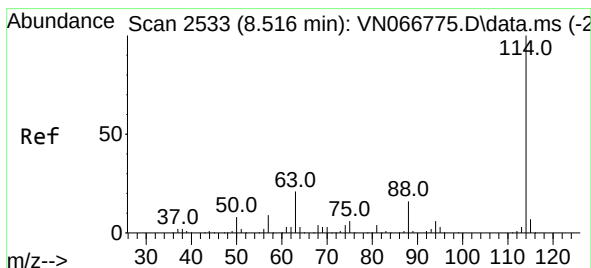
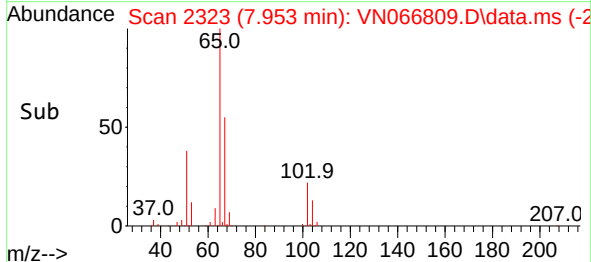
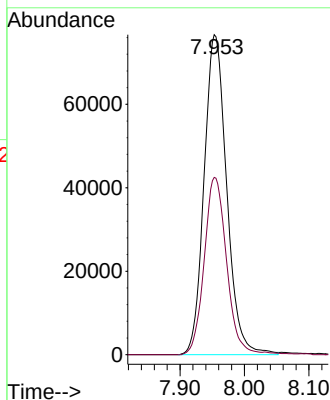
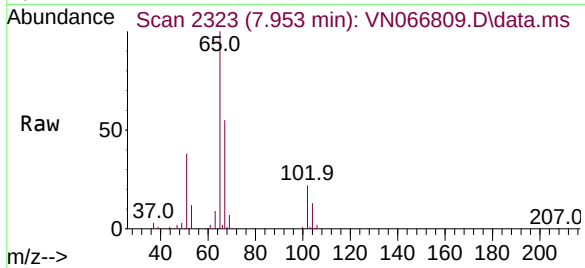




#33
 1,2-Dichloroethane-d4
 Concen: 42.33 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066809.D
 Acq: 28 Apr 2021 13:59

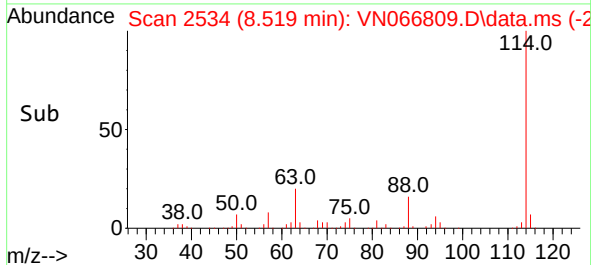
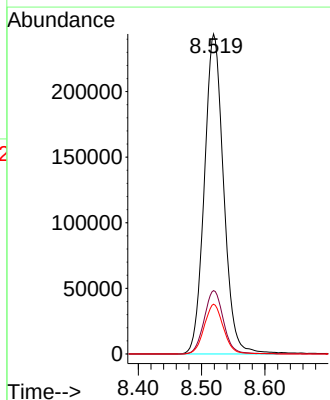
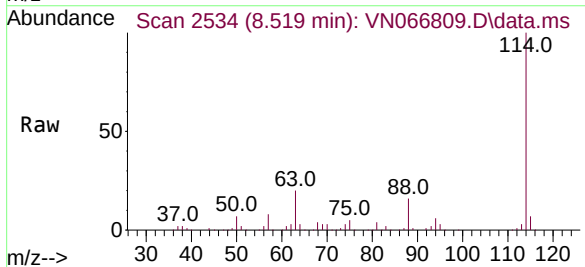
Instrument :
 MSVOA_N
 ClientSampled :

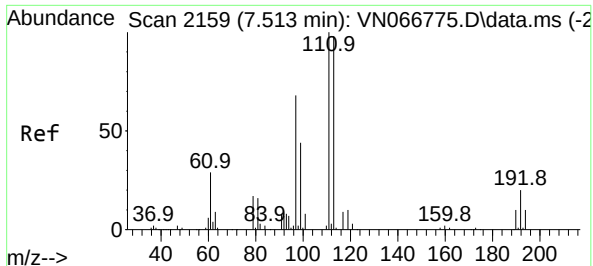
Tgt Ion: 65 Resp: 186860
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066809.D
 Acq: 28 Apr 2021 13:59

Tgt Ion: 114 Resp: 514737
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.6 0.0 30.6

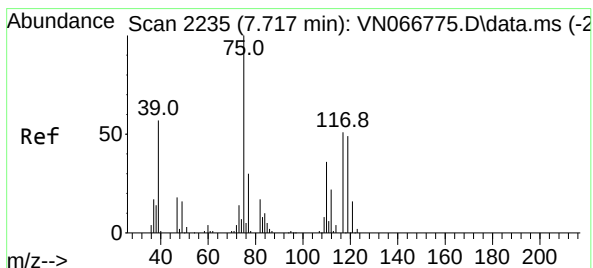
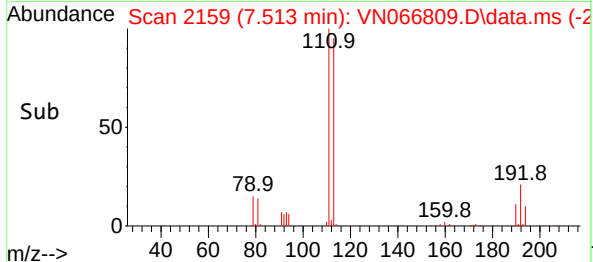
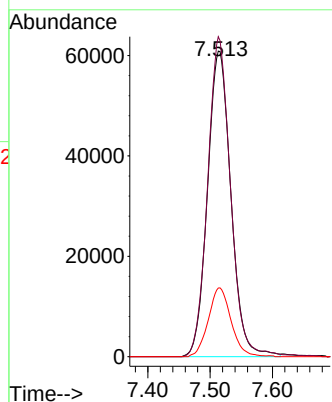
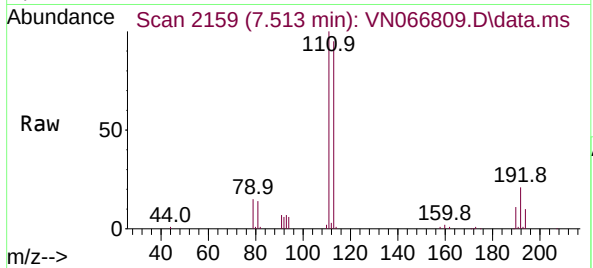




#35
Dibromofluoromethane
Concen: 50.13 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

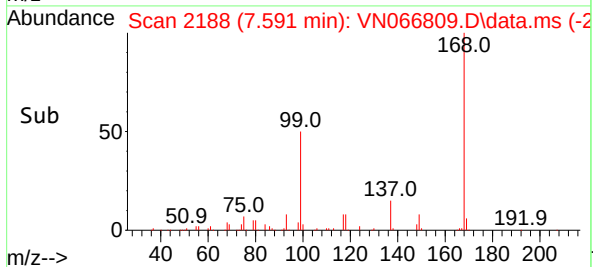
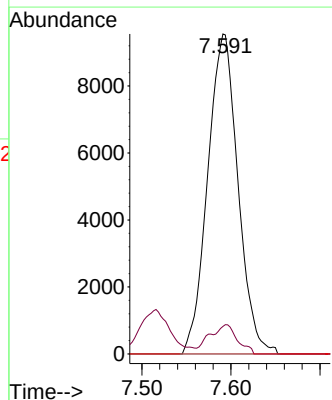
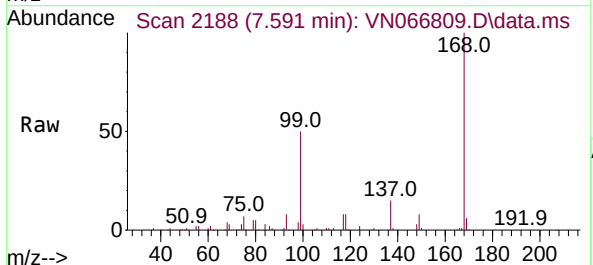
Instrument :
MSVOA_N
ClientSampled :

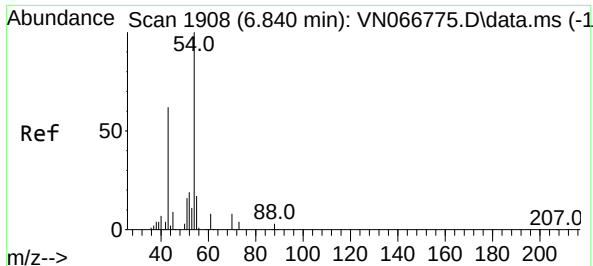
Tgt Ion:113 Resp: 159292
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.2
192 21.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion: 75 Resp: 22614
Ion Ratio Lower Upper
75 100
110 8.3 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 3.80 ug/l

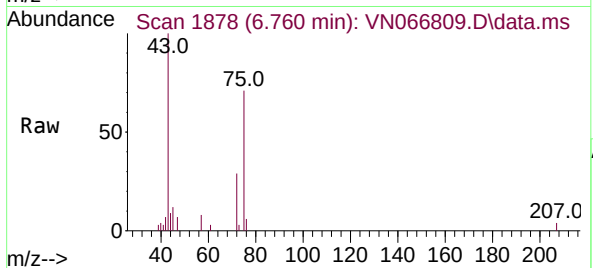
RT: 6.760 min Scan# 1878

Delta R.T. -0.080 min

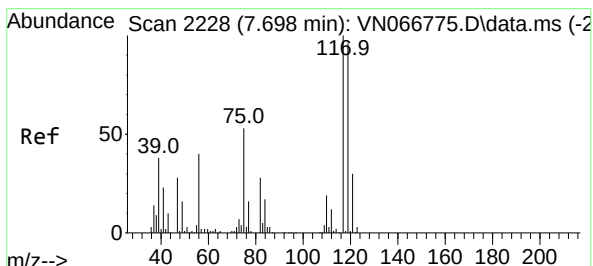
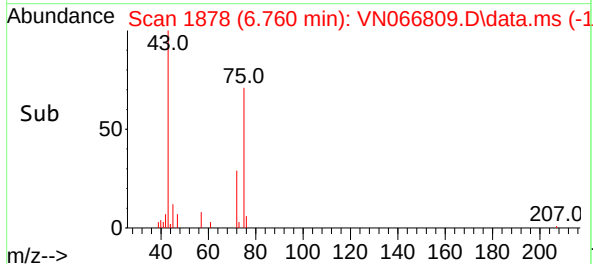
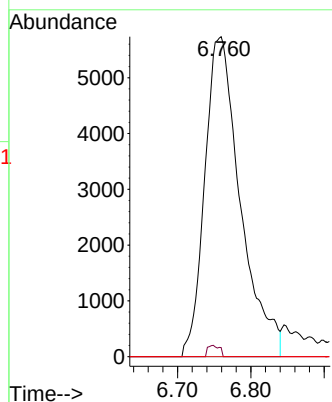
Lab File: VN066809.D

Acq: 28 Apr 2021 13:59

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	19327
Ion	Ratio	Lower	Upper
43	100		
61	1.2	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.26 ug/l

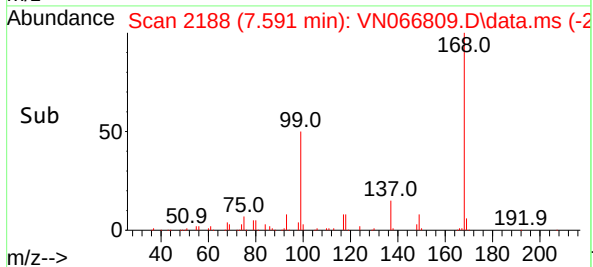
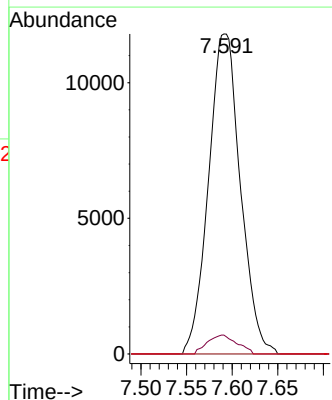
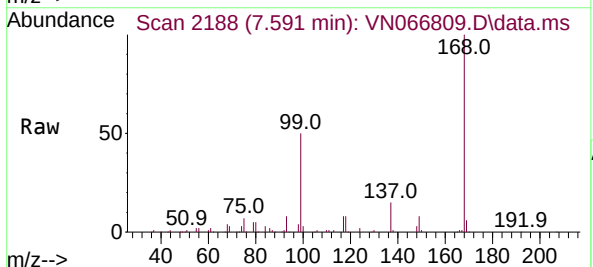
RT: 7.591 min Scan# 2188

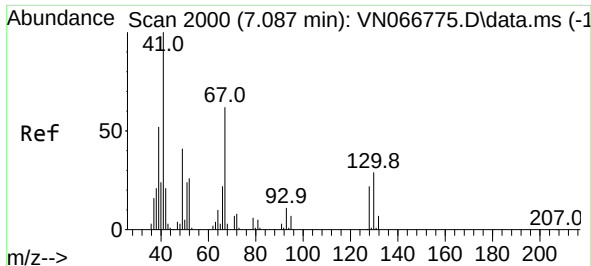
Delta R.T. -0.107 min

Lab File: VN066809.D

Acq: 28 Apr 2021 13:59

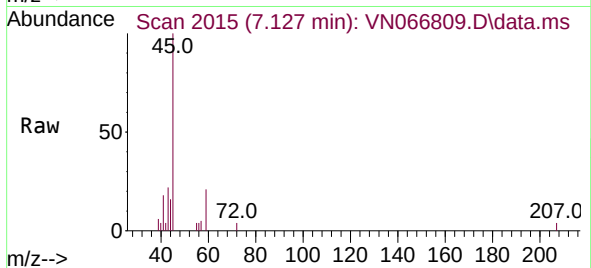
Tgt Ion:	117	Resp:	28692
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.0	114.0#
121	0.0	24.5	36.7#



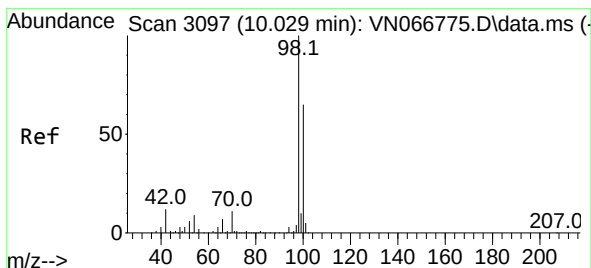
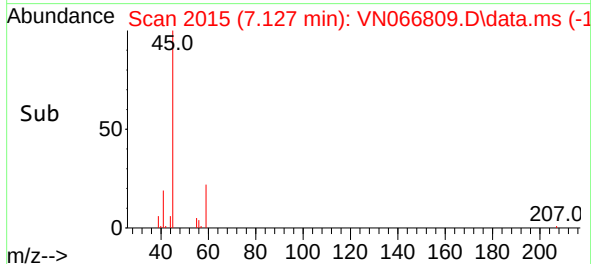
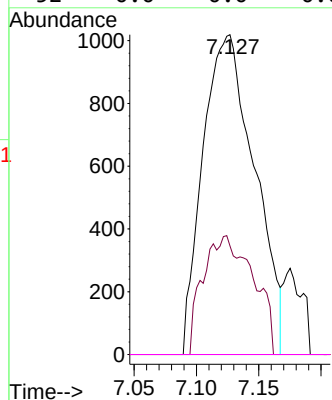


#41
Methacrylonitrile
Concen: 1.27 ug/l
RT: 7.127 min Scan# 2015
Delta R.T. 0.040 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Instrument :
MSVOA_N
ClientSampled :

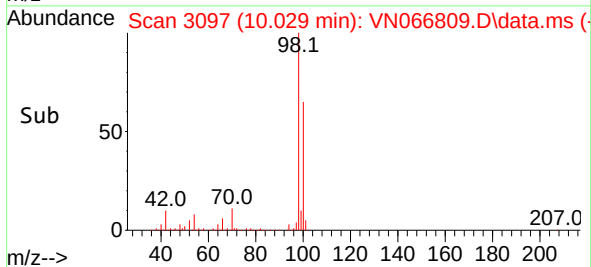
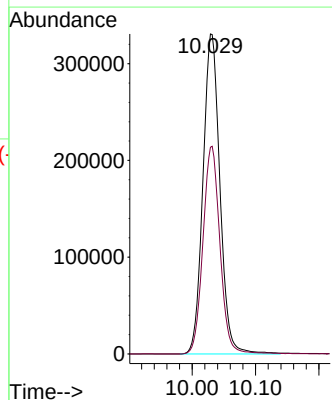
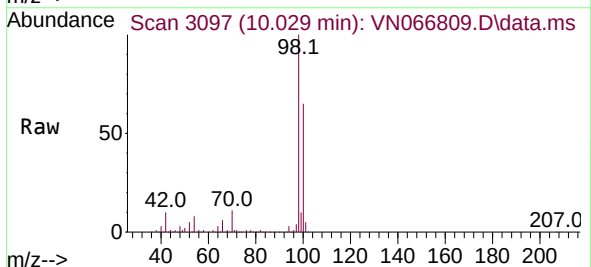


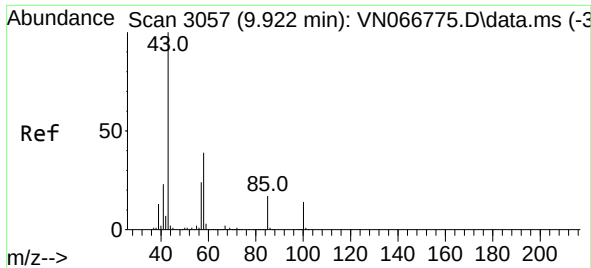
Tgt Ion: 41	Resp: 2937
Ion Ratio	Lower Upper
41 100	
39 36.2	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 49.36 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion: 98	Resp: 615570
Ion Ratio	Lower Upper
98 100	
100 65.0	50.5 75.7

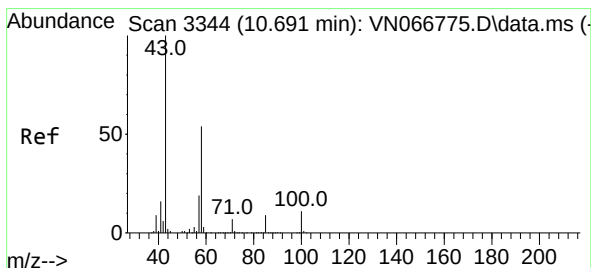
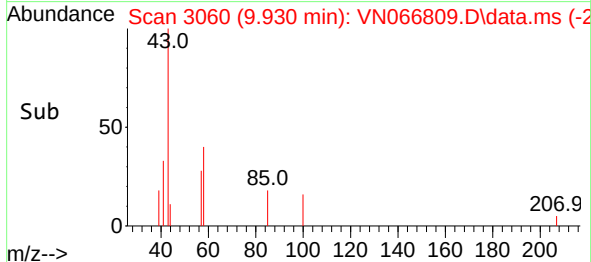
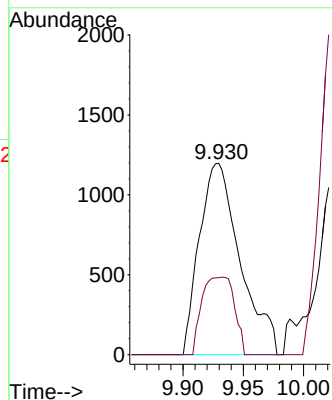
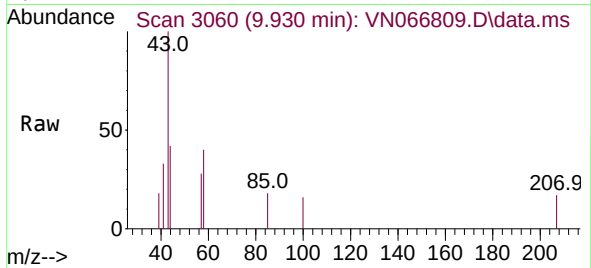




#51
4-Methyl-2-Pentanone
Concen: 0.64 ug/l
RT: 9.930 min Scan# 3060
Delta R.T. 0.008 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

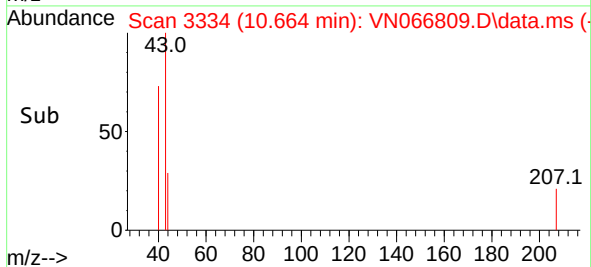
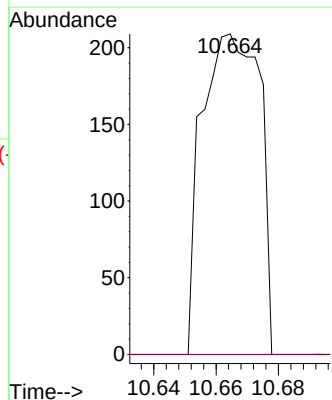
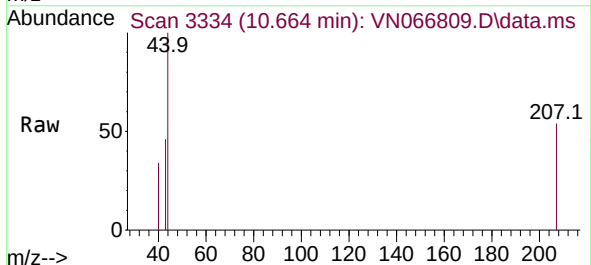
Instrument :
MSVOA_N
ClientSampled :

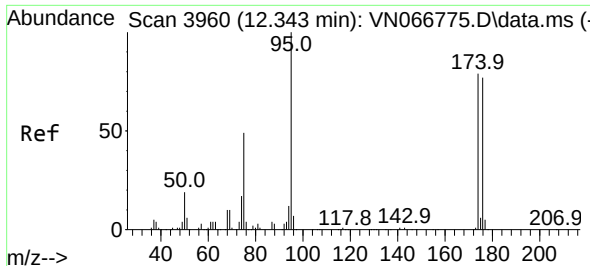
Tgt Ion: 43 Resp: 2814
Ion Ratio Lower Upper
43 100
58 32.1 32.5 48.7#



#59
2-Hexanone
Concen: 19.61 ug/l
RT: 10.664 min Scan# 3334
Delta R.T. -0.027 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

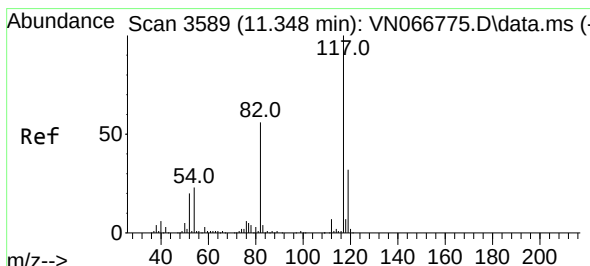
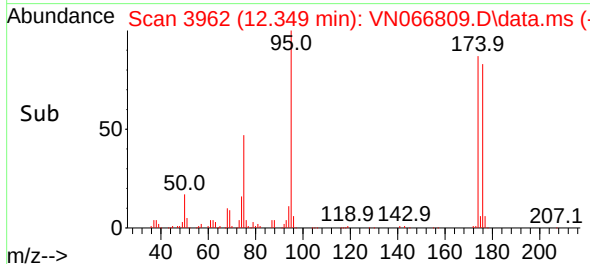
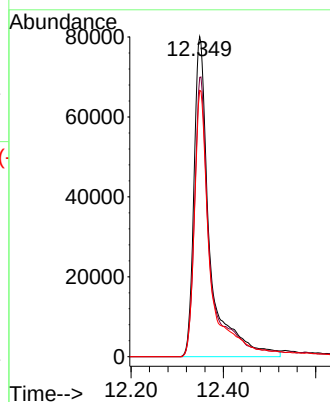
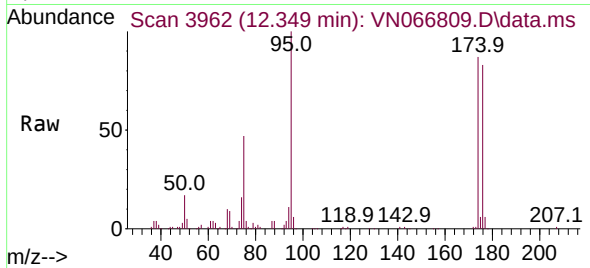




#62
4-Bromofluorobenzene
Concen: 45.35 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

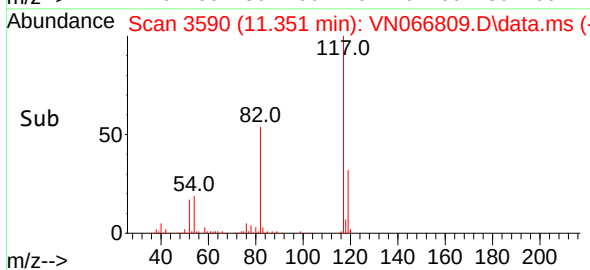
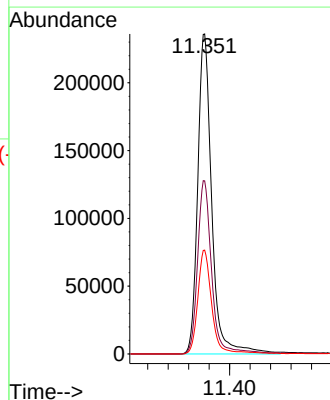
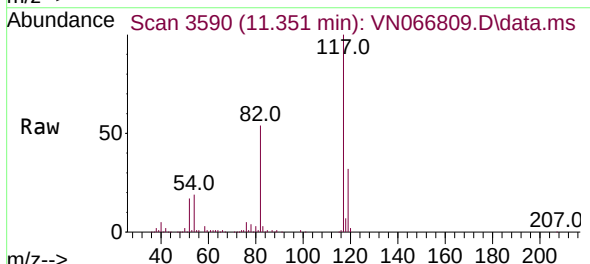
Instrument :
MSVOA_N
ClientSampled :

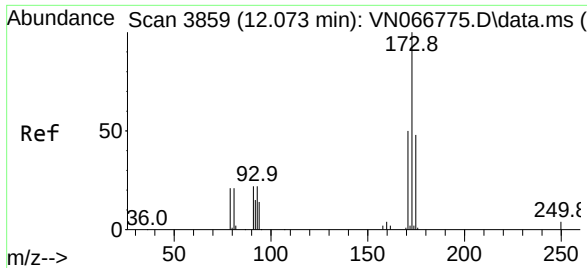
Tgt Ion: 95 Resp: 191358
Ion Ratio Lower Upper
95 100
174 85.0 0.0 169.0
176 81.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion: 117 Resp: 449573
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.4 26.1 39.1

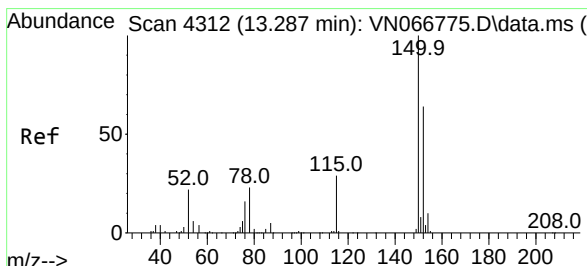
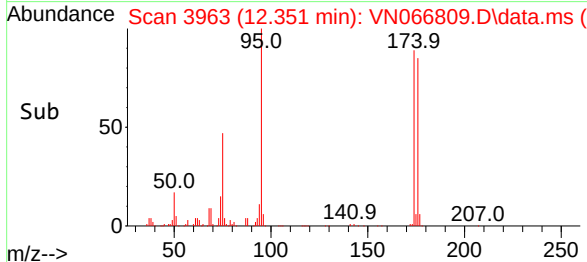
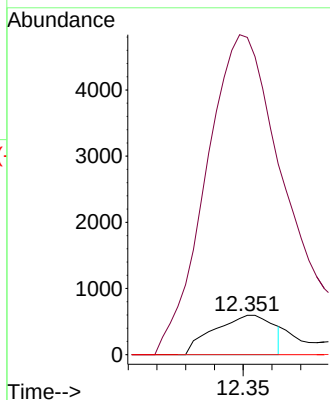
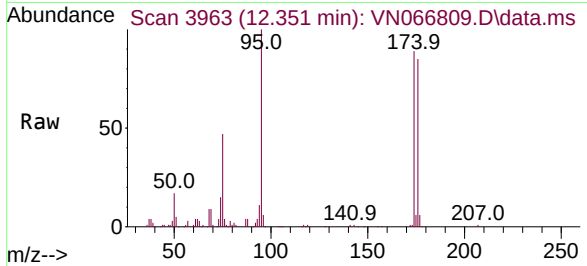




#71
Bromoform
Concen: 0.35 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.278 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

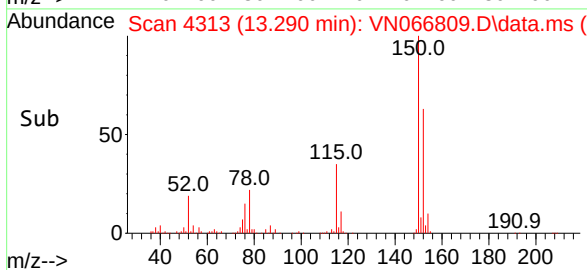
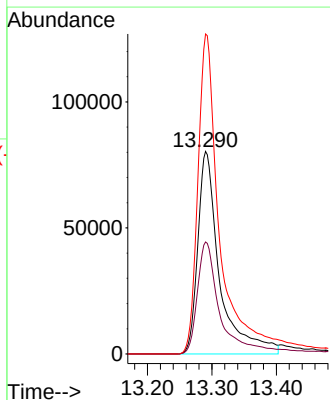
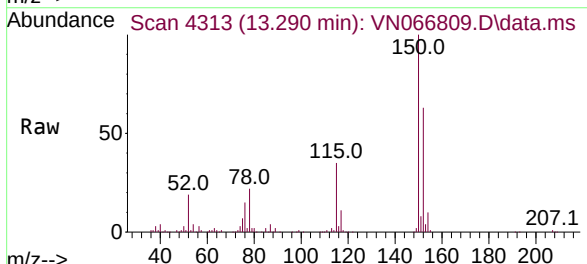
Instrument :
MSVOA_N
ClientSampleId :

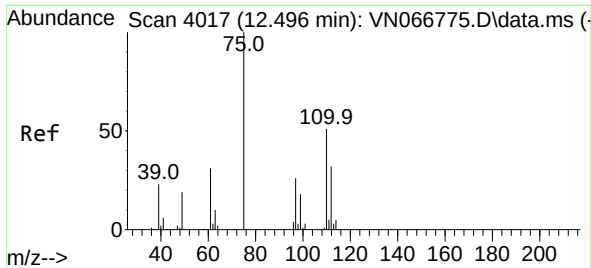
Tgt Ion:173 Resp: 858
Ion Ratio Lower Upper
173 100
175 870.2 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion:152 Resp: 189719
Ion Ratio Lower Upper
152 100
115 58.6 28.5 85.6
150 167.4 0.0 347.6

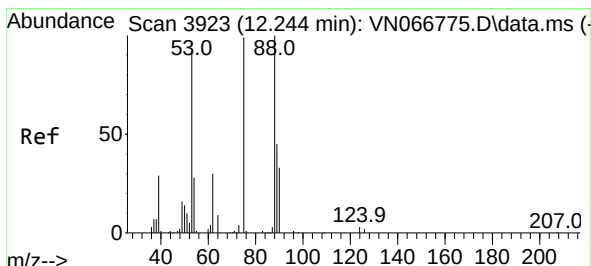
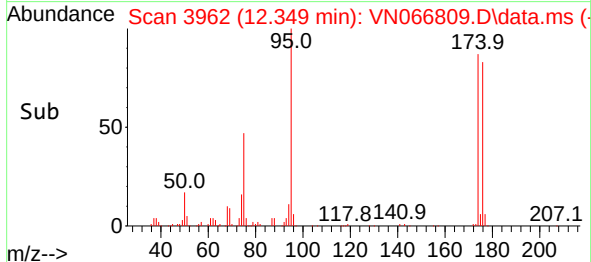
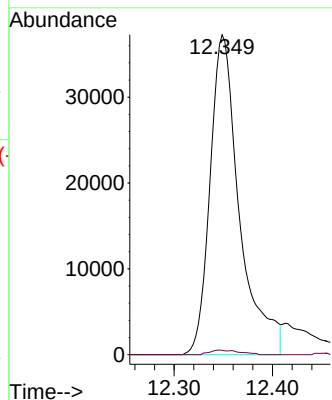
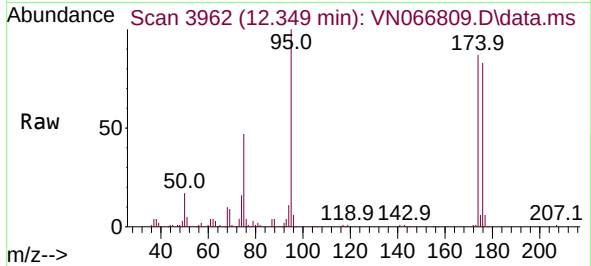




#76
1,2,3-Trichloropropane
Concen: 19.39 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

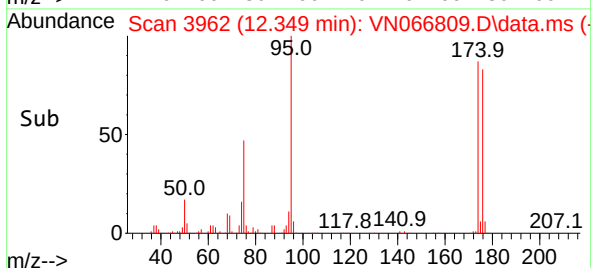
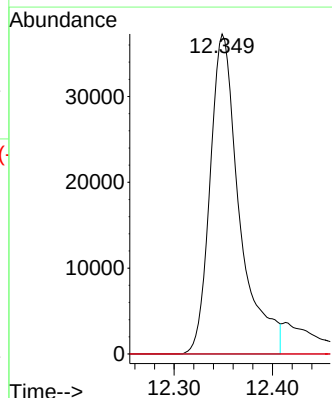
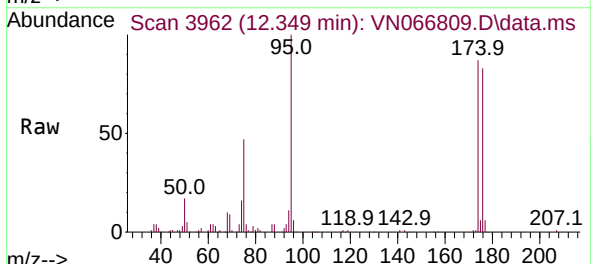
Instrument :
MSVOA_N
ClientSampled :

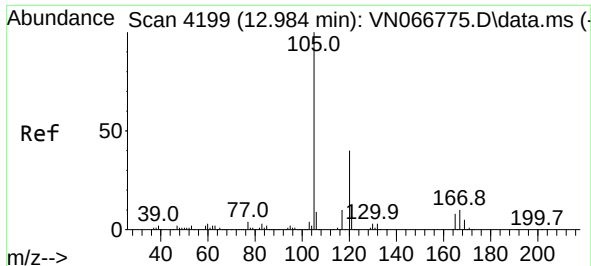
Tgt Ion: 75 Resp: 77543
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.59 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion: 75 Resp: 77543
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

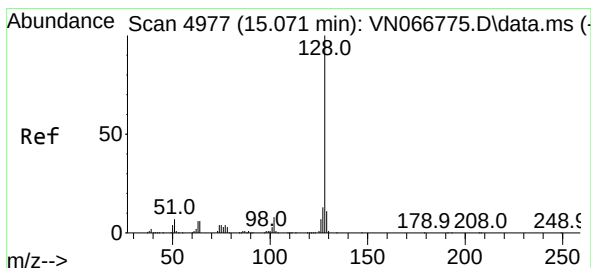
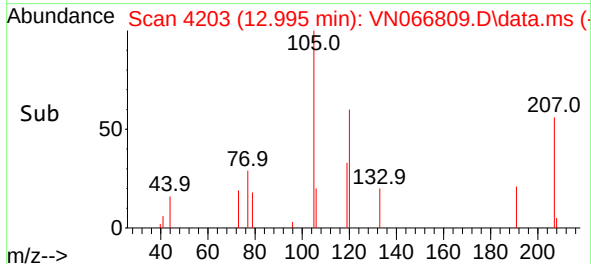
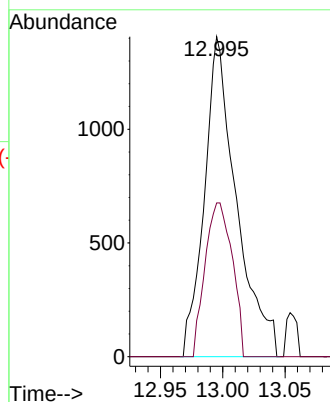
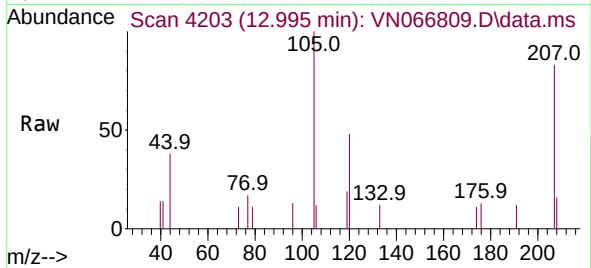




#84
1,2,4-Trimethylbenzene
Concen: 0.23 ug/l
RT: 12.995 min Scan# 4203
Delta R.T. 0.011 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:105 Resp: 2516
Ion Ratio Lower Upper
105 100
120 40.5 22.4 67.0



#95
Naphthalene
Concen: 0.48 ug/l
RT: 15.098 min Scan# 4987
Delta R.T. 0.027 min
Lab File: VN066809.D
Acq: 28 Apr 2021 13:59

Tgt Ion:128 Resp: 4004
Ion Ratio Lower Upper
128 100
127 4.4 10.2 15.2#
129 8.3 8.6 13.0#

