

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030121\
 Data File : VN066082.D
 Acq On : 1 Mar 2021 17:29
 Operator : JC/MD
 Sample : M1489-06 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41129

Quant Time: Mar 01 21:44:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

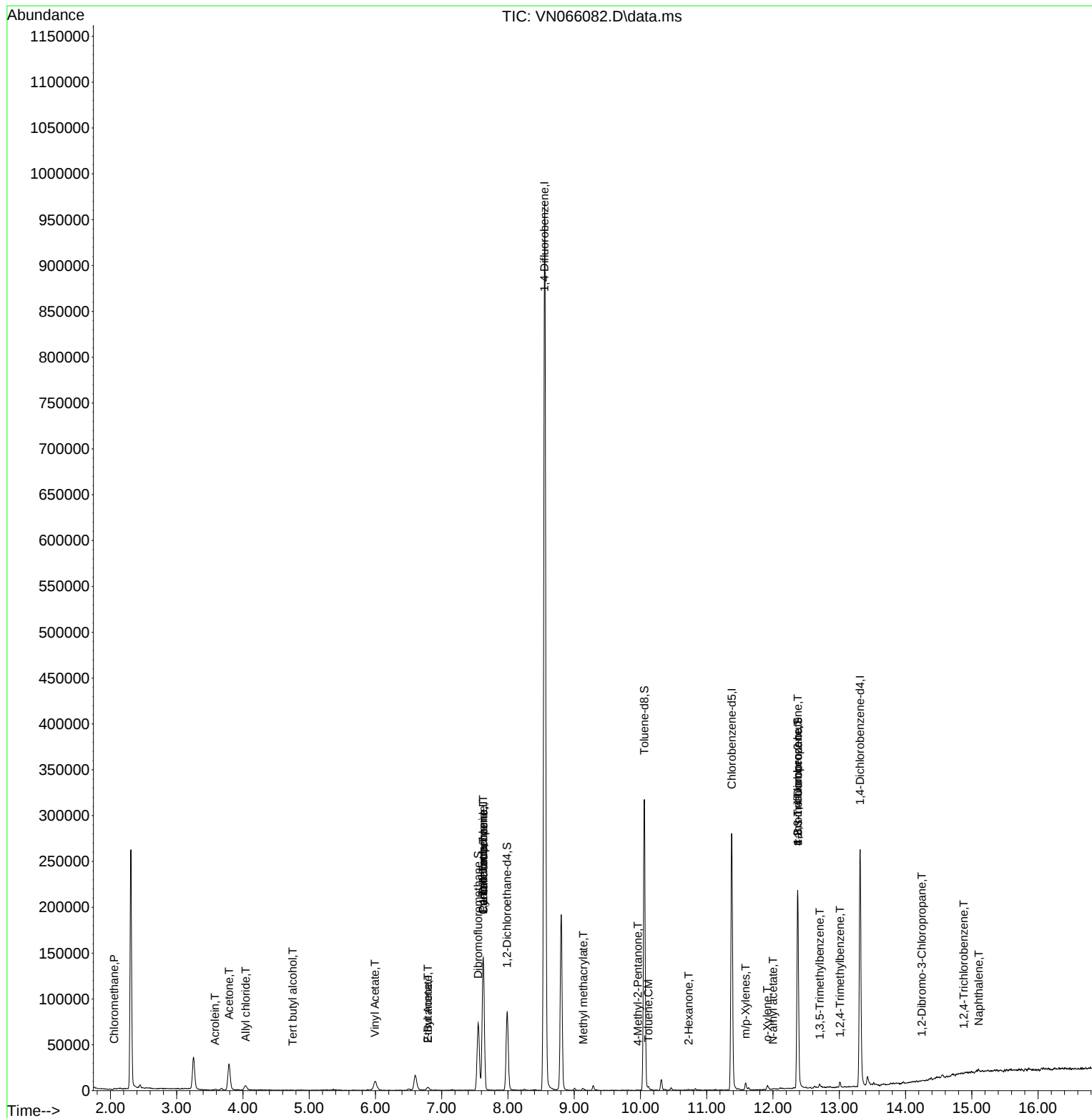
Internal Standards						
1) Pentafluorobenzene	7.627	168	115024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	186164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	171758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	75411	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	79225	49.25	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.50%		
35) Dibromofluoromethane	7.550	113	56845	49.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.68%		
50) Toluene-d8	10.058	98	224940	47.56	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.12%		
62) 4-Bromofluorobenzene	12.373	95	84979	47.86	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.72%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	689	0.37	ug/l #	42
11) Tert butyl alcohol	4.753	59	200	0.89	ug/l #	73
13) Acrolein	3.576	56	358	1.75	ug/l #	69
14) Allyl chloride	4.042	41	734	0.33	ug/l #	72
16) Acetone	3.788	43	48772	95.53	ug/l	94
23) Vinyl Acetate	5.991	43	2446	0.71	ug/l #	71
25) 2-Butanone	6.791	43	5672	7.12	ug/l #	87
31) Cyclohexane	7.624	56	2207	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	9001	4.90	ug/l #	49
37) Ethyl Acetate	6.791	43	5672	3.42	ug/l #	68
38) Carbon Tetrachloride	7.624	117	11783	6.91	ug/l #	17
48) Methyl methacrylate	9.135	41	611	0.46	ug/l #	20
51) 4-Methyl-2-Pentanone	9.958	43	389	0.24	ug/l #	35
52) Toluene	10.119	92	1522	0.44	ug/l	90
59) 2-Hexanone	10.727	43	787	0.69	ug/l	90
68) m/p-Xylenes	11.588	106	2659	1.10	ug/l	95
69) o-Xylene	11.916	106	1405	0.60	ug/l	85
74) N-amyl acetate	12.000	43	506	0.24	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	43873	24.22	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	2119	0.41	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.373	75	43873	77.18	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	4175	0.80	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.244	75	298	1.67	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.878	180	30	2.48	ug/l #	13
95) Naphthalene	15.106	128	2774	3.65	ug/l #	82

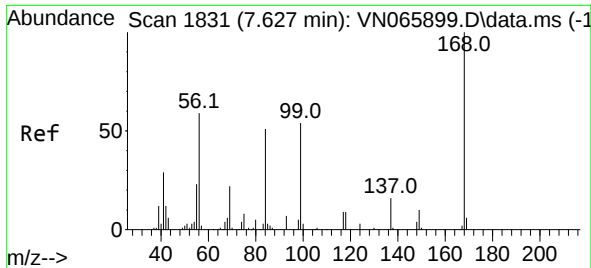
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

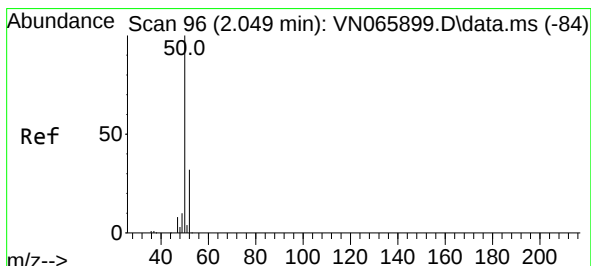
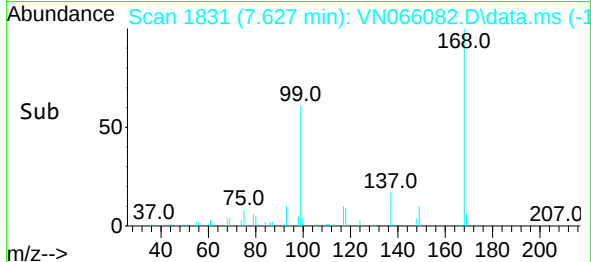
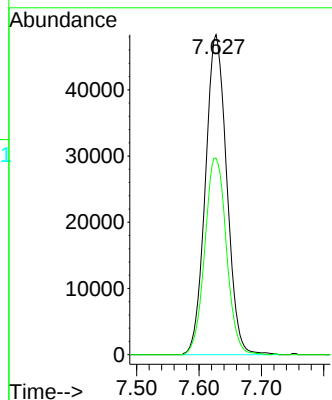
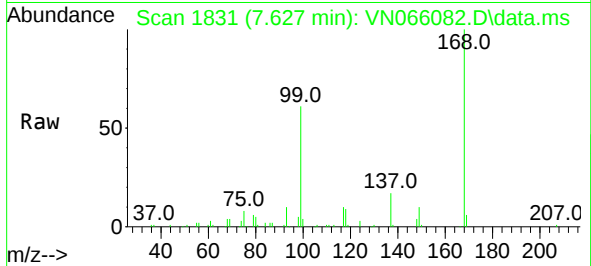




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

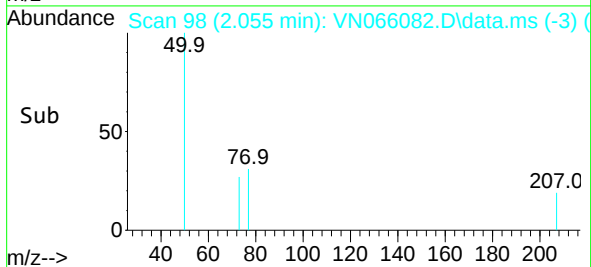
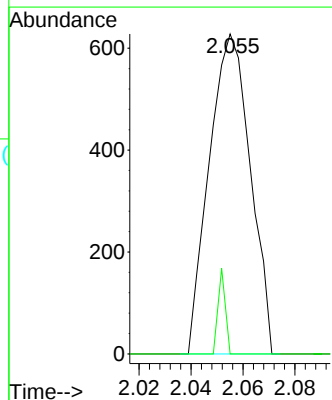
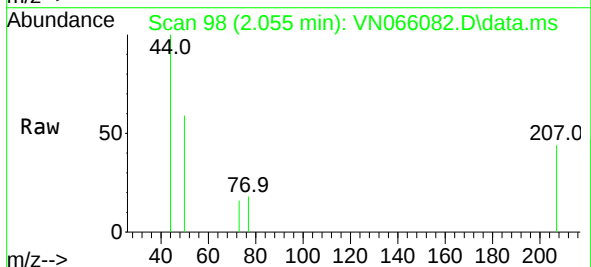
Instrument :
MSVOA_N
ClientSampled :
41129

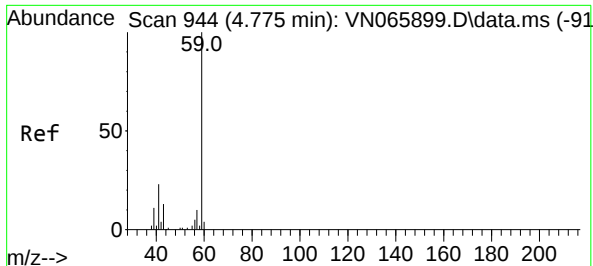
Tgt Ion:168 Resp: 115024
Ion Ratio Lower Upper
168 100
99 61.4 42.6 63.8



#3
Chloromethane
Concen: 0.37 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion: 50 Resp: 689
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



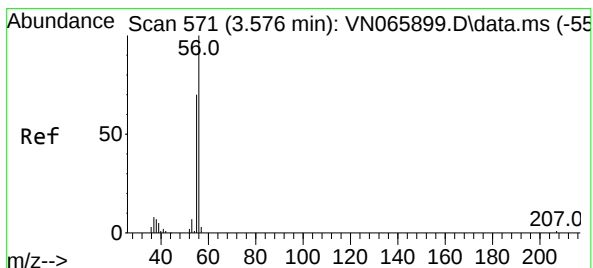
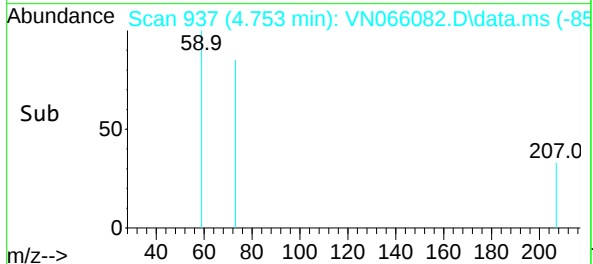
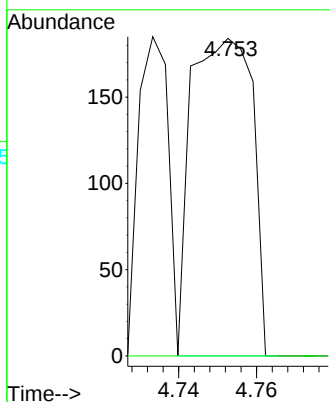
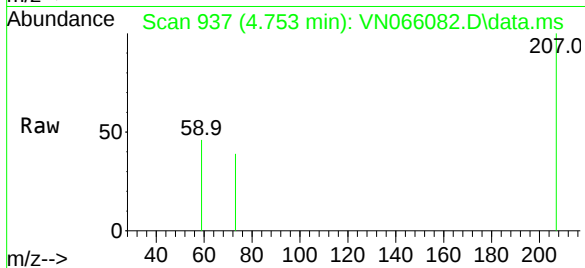


#11

Tert butyl alcohol
Concen: 0.89 ug/l
RT: 4.753 min Scan# 937
Delta R.T. -0.022 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Instrument :
MSVOA_N
ClientSampled :
41129

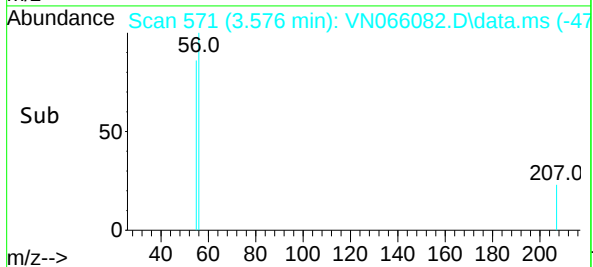
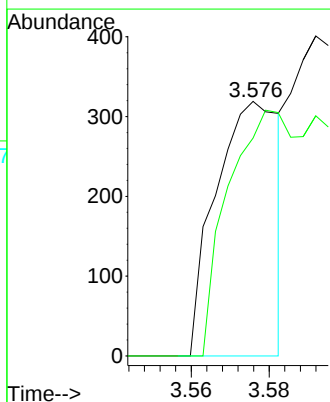
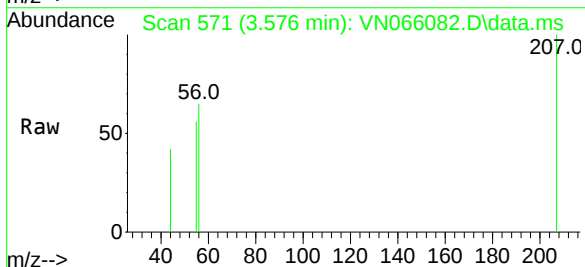
Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

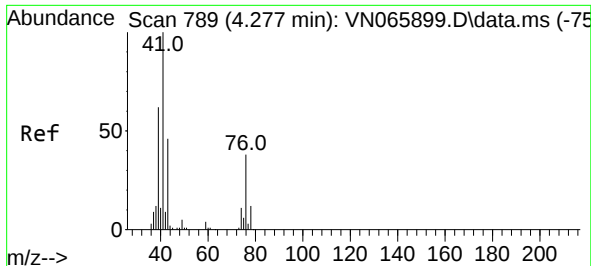


#13

Acrolein
Concen: 1.75 ug/l
RT: 3.576 min Scan# 571
Delta R.T. -0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

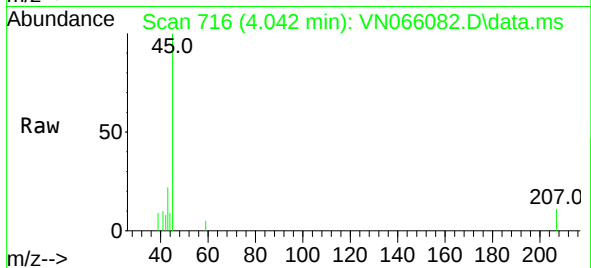
Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 95.8 56.0 84.0#



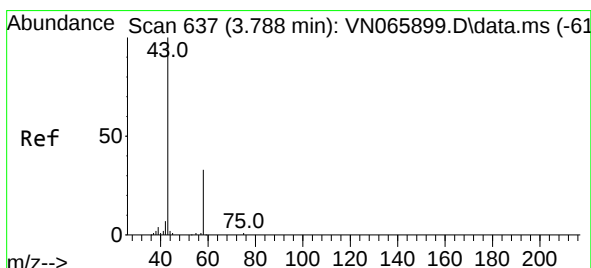
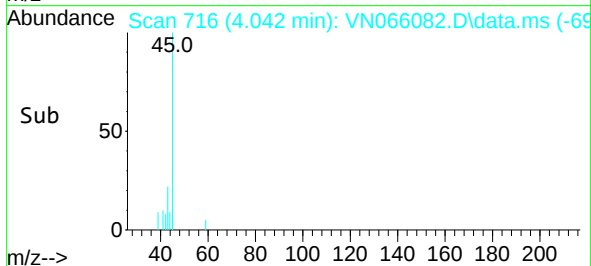
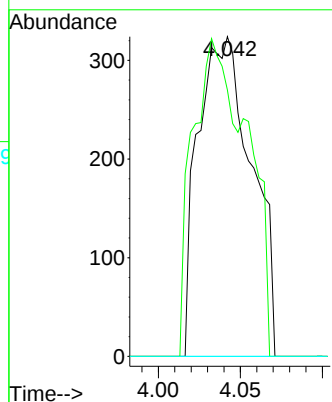


#14
 Allyl chloride
 Concen: 0.33 ug/l
 RT: 4.042 min Scan# 716
 Delta R.T. -0.235 min
 Lab File: VN066082.D
 Acq: 1 Mar 2021 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 41129

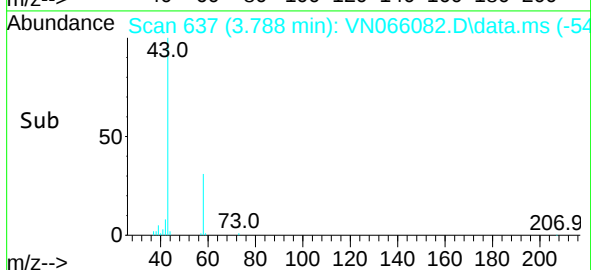
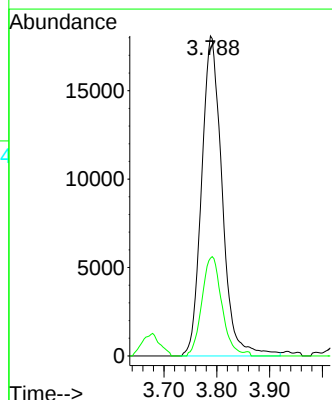
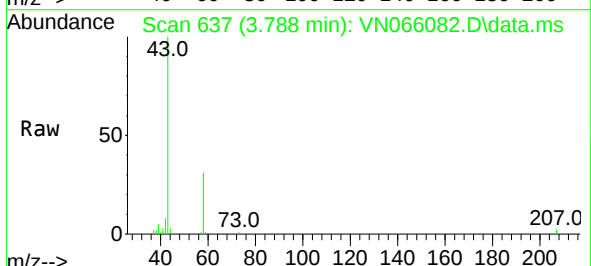


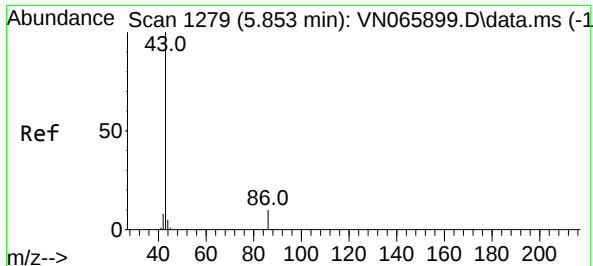
Tgt Ion: 41 Resp: 734
 Ion Ratio Lower Upper
 41 100
 39 74.5 53.0 79.4
 76 0.0 28.9 43.3#



#16
 Acetone
 Concen: 95.53 ug/l
 RT: 3.788 min Scan# 637
 Delta R.T. 0.000 min
 Lab File: VN066082.D
 Acq: 1 Mar 2021 17:29

Tgt Ion: 43 Resp: 48772
 Ion Ratio Lower Upper
 43 100
 58 30.6 27.0 40.6

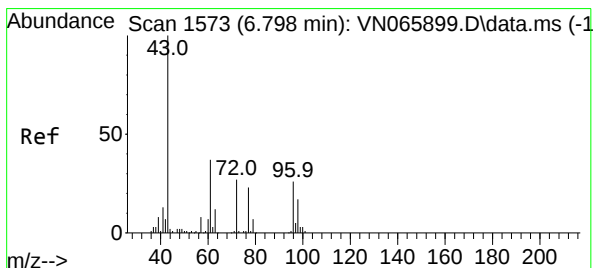
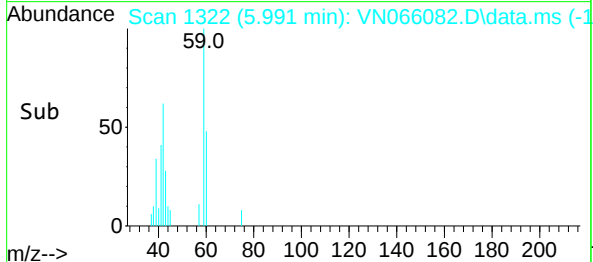
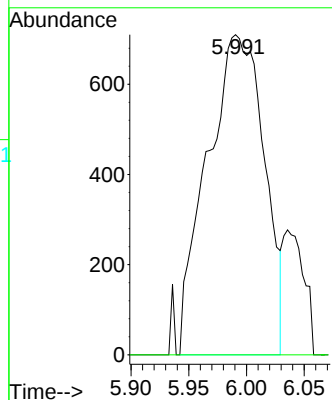
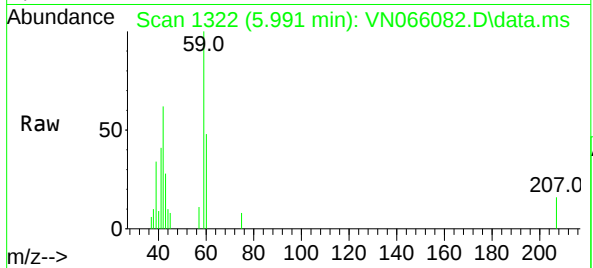




#23
 Vinyl Acetate
 Concen: 0.71 ug/l
 RT: 5.991 min Scan# 1322
 Delta R.T. 0.138 min
 Lab File: VN066082.D
 Acq: 1 Mar 2021 17:29

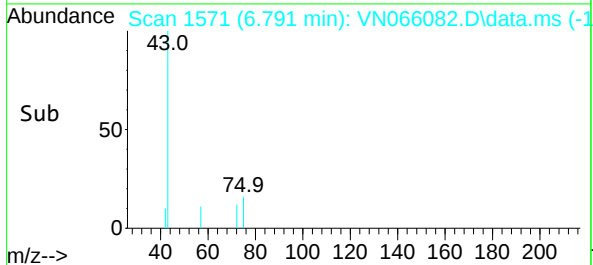
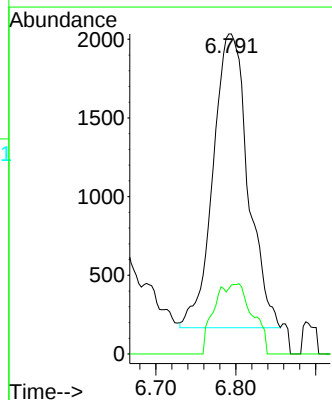
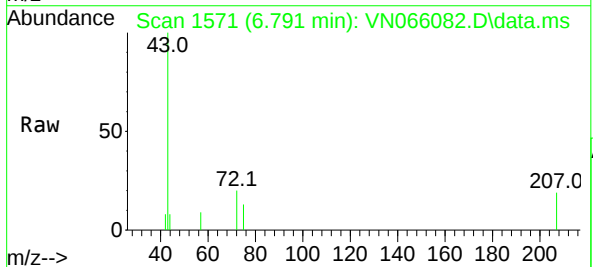
Instrument :
 MSVOA_N
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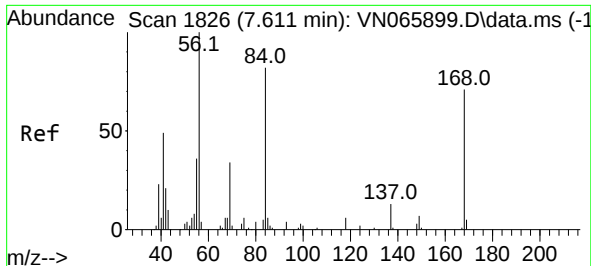
Tgt Ion: 43 Resp: 2446
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 7.12 ug/l
 RT: 6.791 min Scan# 1571
 Delta R.T. -0.007 min
 Lab File: VN066082.D
 Acq: 1 Mar 2021 17:29

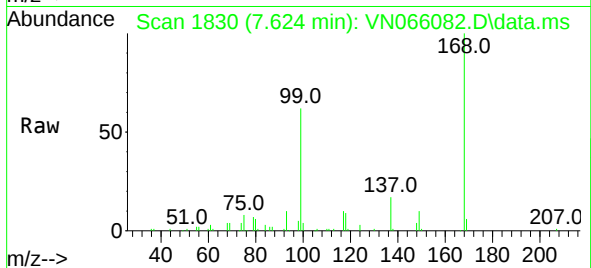
Tgt Ion: 43 Resp: 5672
 Ion Ratio Lower Upper
 43 100
 72 22.2 23.1 34.7#



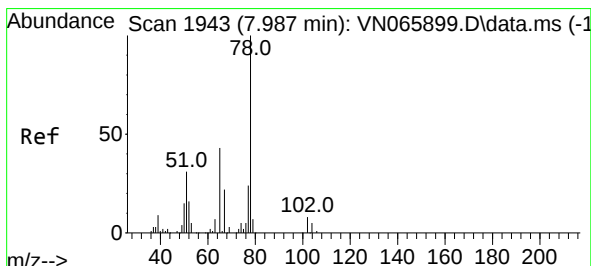
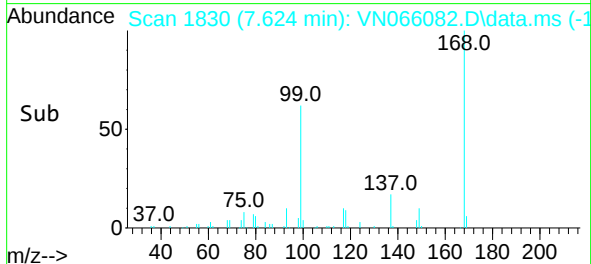
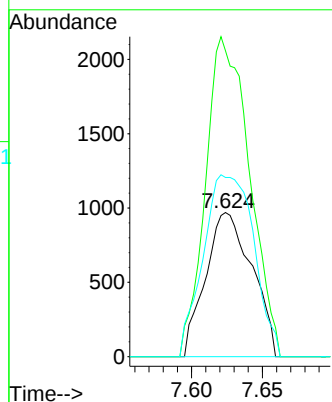


#31
Cyclohexane
Concen: 0.92 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Instrument :
MSVOA_N
ClientSampled :
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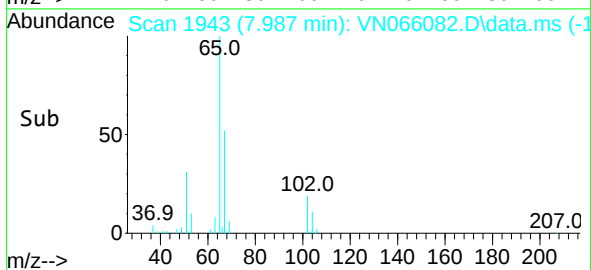
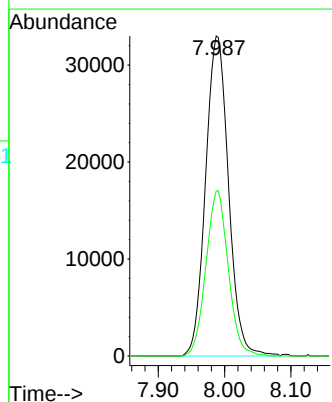
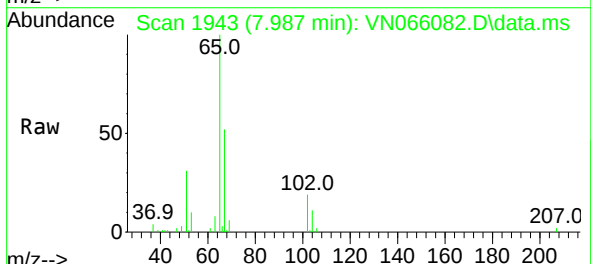


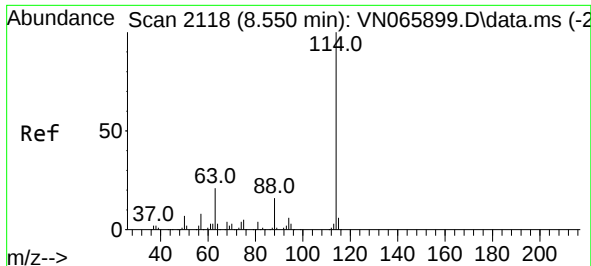
Tgt Ion: 56 Resp: 2207
Ion Ratio Lower Upper
56 100
69 212.2 26.6 39.8#
84 124.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.25 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion: 65 Resp: 79225
Ion Ratio Lower Upper
65 100
67 50.3 0.0 107.2

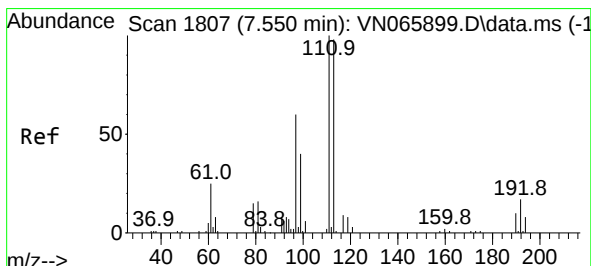
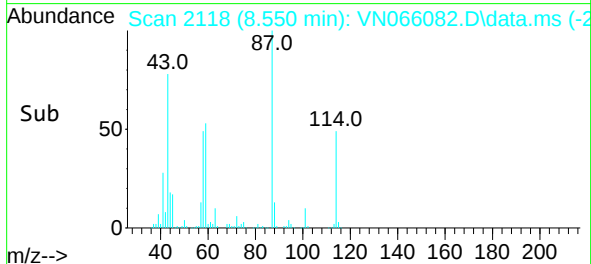
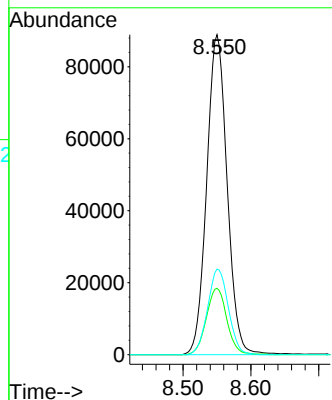
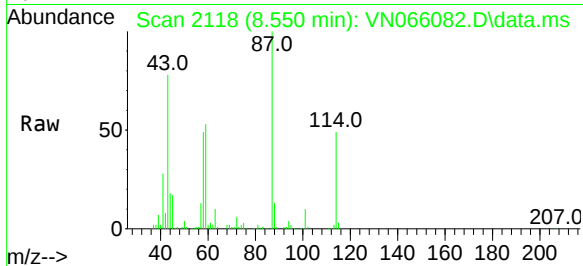




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

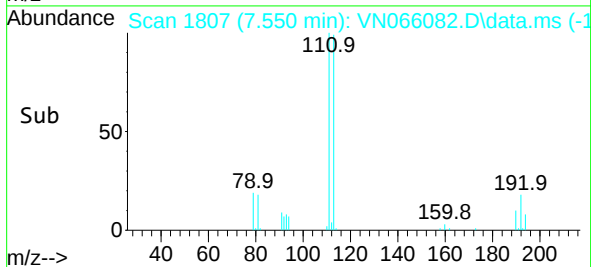
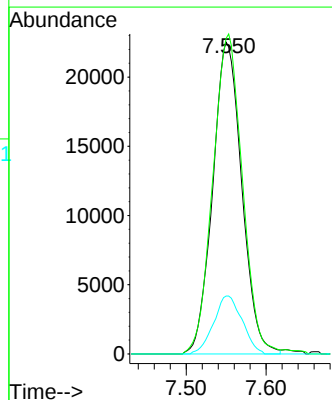
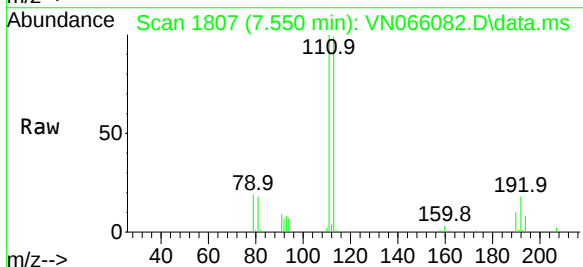
Instrument :
MSVOA_N
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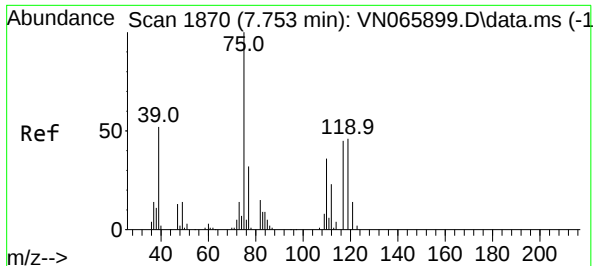
Tgt Ion:114 Resp: 186164
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.6
88 26.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.34 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

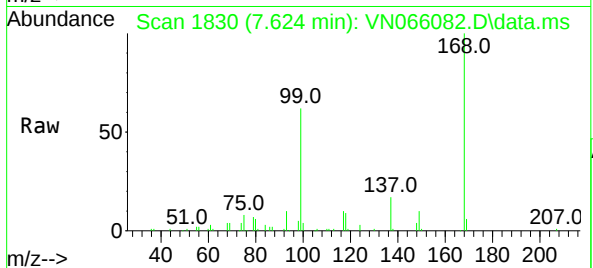
Tgt Ion:113 Resp: 56845
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 18.2 15.4 23.0



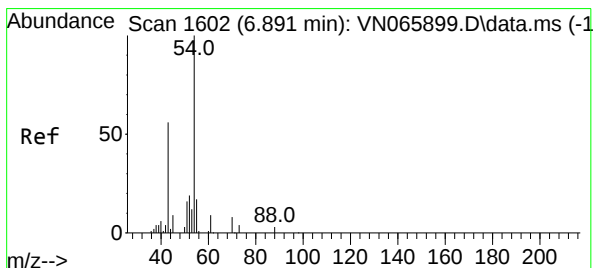
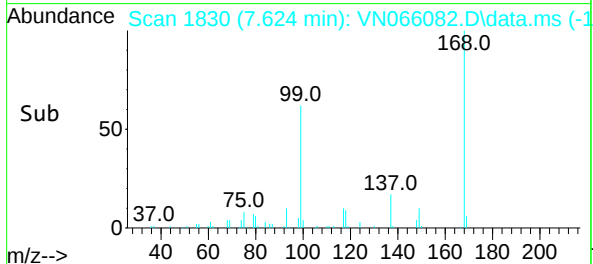
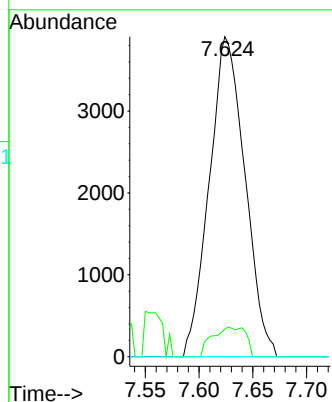


#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Instrument :
MSVOA_N
ClientSampled :
41129

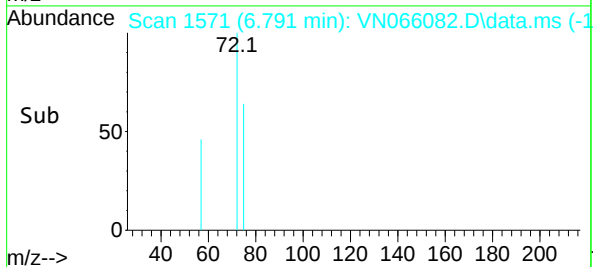
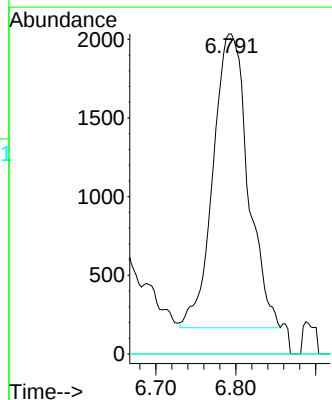
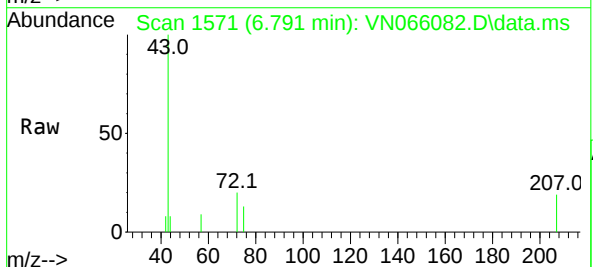


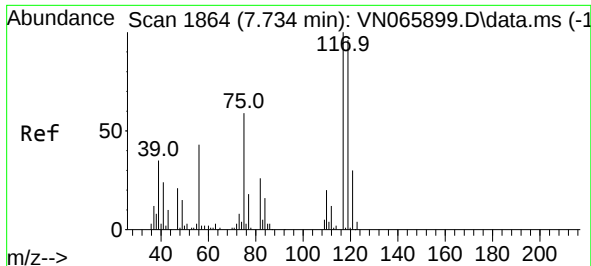
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#



#37
Ethyl Acetate
Concen: 3.42 ug/l
RT: 6.791 min Scan# 1571
Delta R.T. -0.100 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

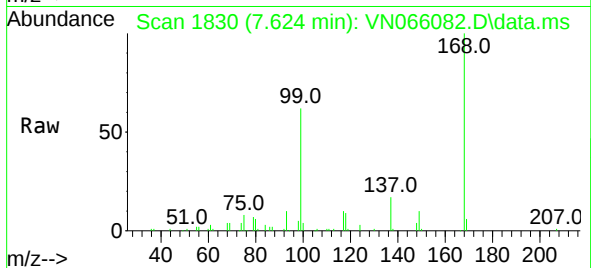
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



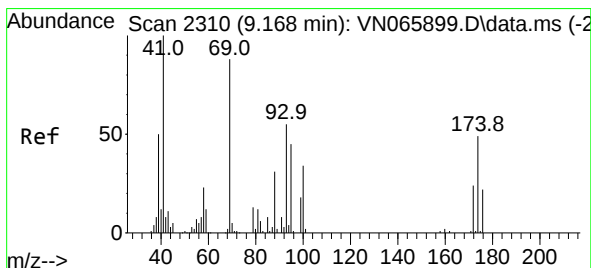
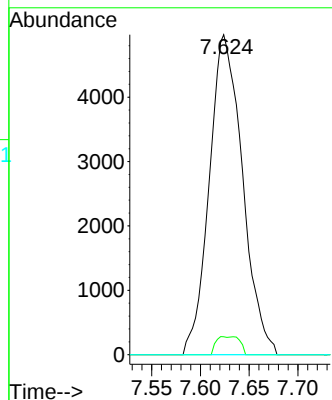
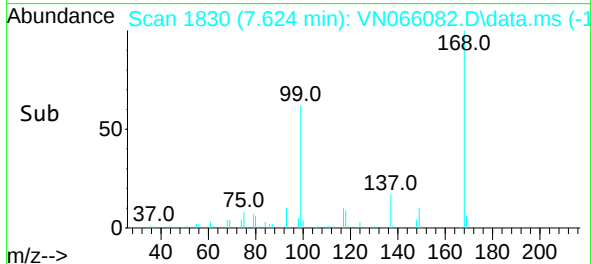


#38
Carbon Tetrachloride
Concen: 6.91 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

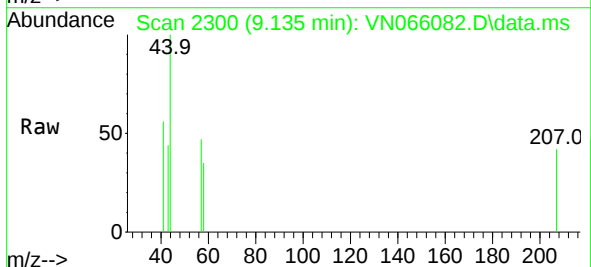
Instrument :
MSVOA_N
ClientSampled :
41129



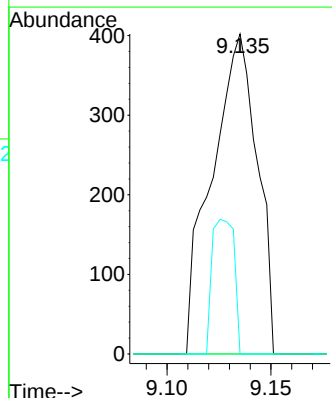
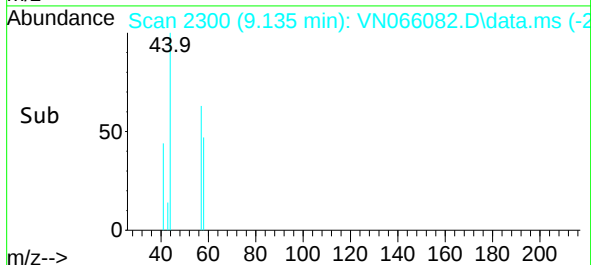
Tgt Ion: 117 Resp: 11783
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#

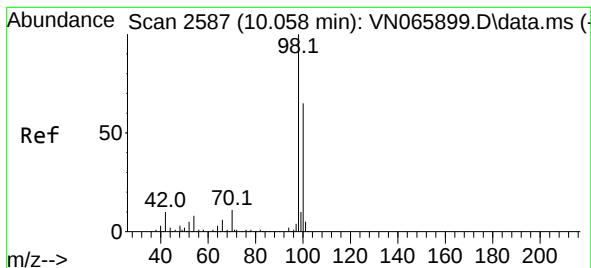


#48
Methyl methacrylate
Concen: 0.46 ug/l
RT: 9.135 min Scan# 2300
Delta R.T. -0.033 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29



Tgt Ion: 41 Resp: 611
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 20.5 46.6 69.8#

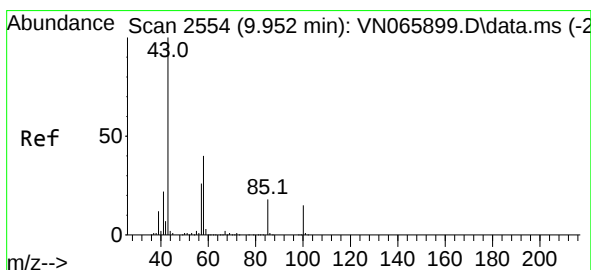
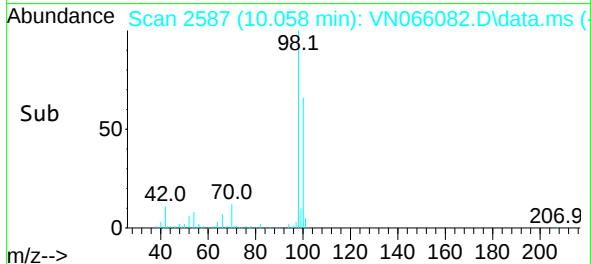
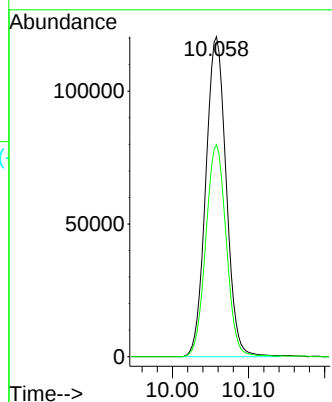
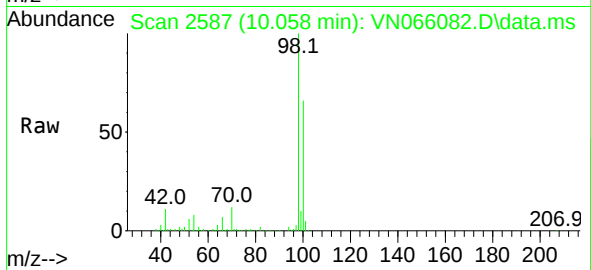




#50
Toluene-d8
Concen: 47.56 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

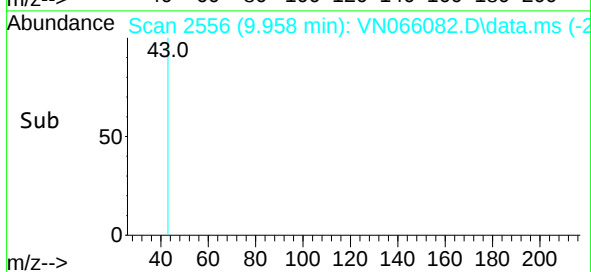
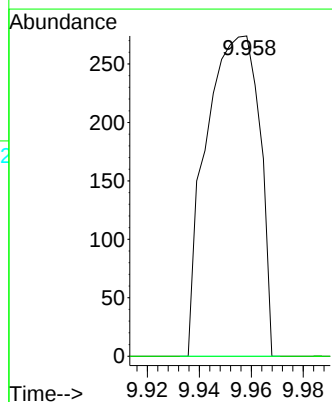
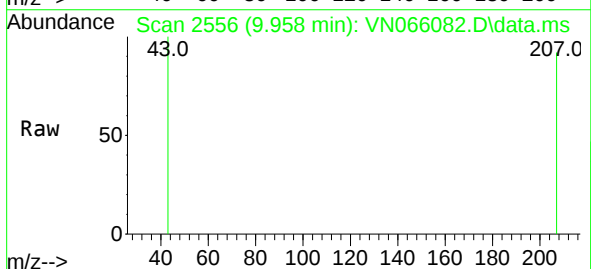
Instrument :
MSVOA_N
ClientSampled :
41129

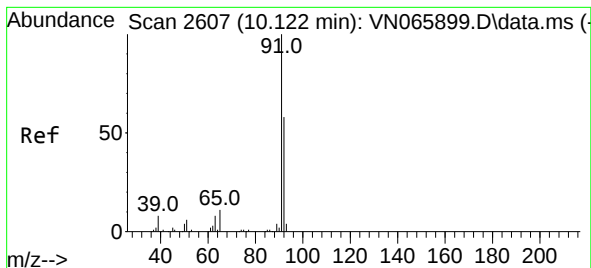
Tgt Ion: 98 Resp: 224940
Ion Ratio Lower Upper
98 100
100 66.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.006 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#





#52

Toluene

Concen: 0.44 ug/l

RT: 10.119 min Scan# 2606

Delta R.T. -0.003 min

Lab File: VN066082.D

Acq: 1 Mar 2021 17:29

Tgt Ion: 92 Resp: 1522

Ion Ratio Lower Upper

92 100

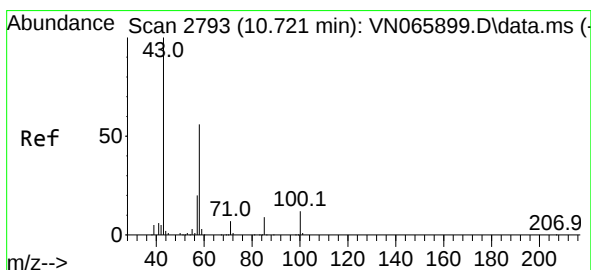
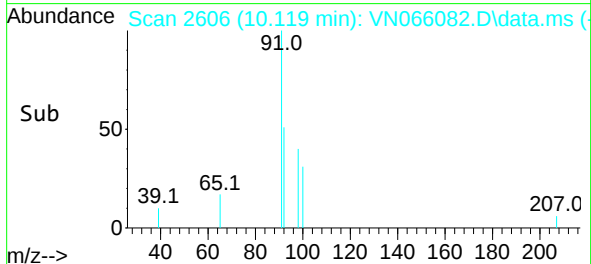
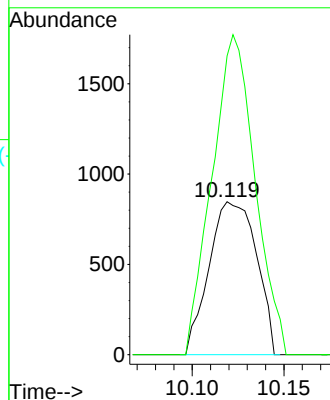
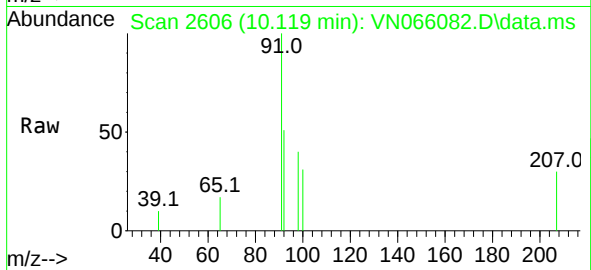
91 189.8 140.7 211.1

Instrument :

MSVOA_N

ClientSampled :

41129



#59

2-Hexanone

Concen: 0.69 ug/l

RT: 10.727 min Scan# 2795

Delta R.T. 0.006 min

Lab File: VN066082.D

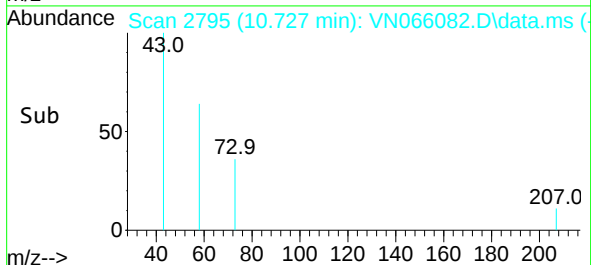
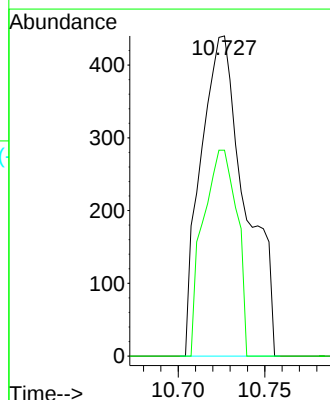
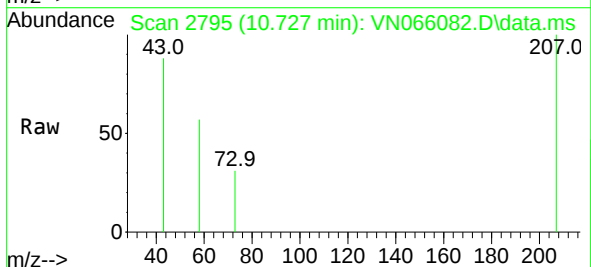
Acq: 1 Mar 2021 17:29

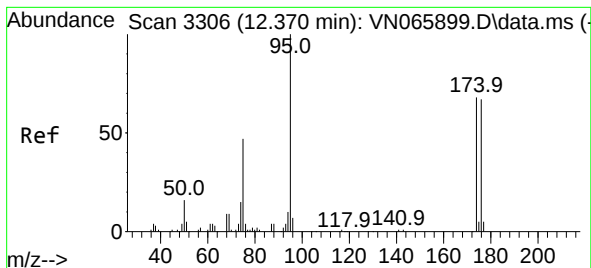
Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

58 48.8 28.1 84.3

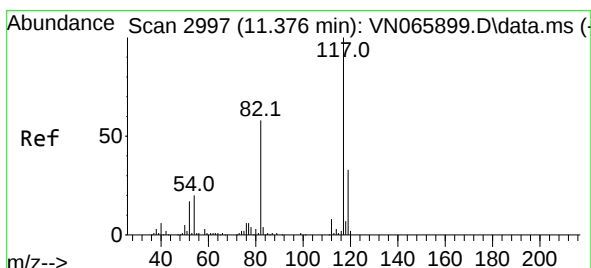
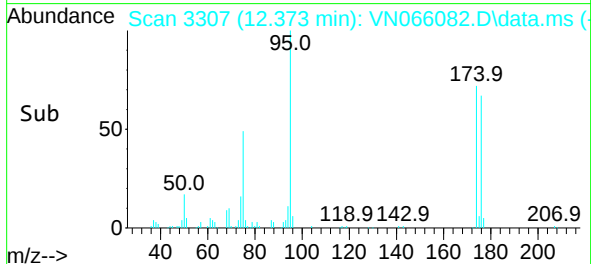
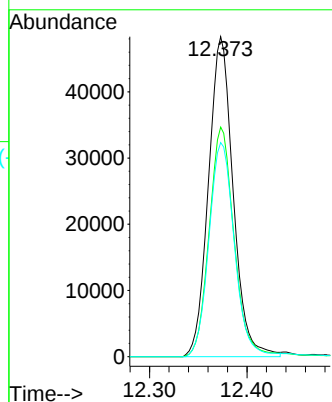
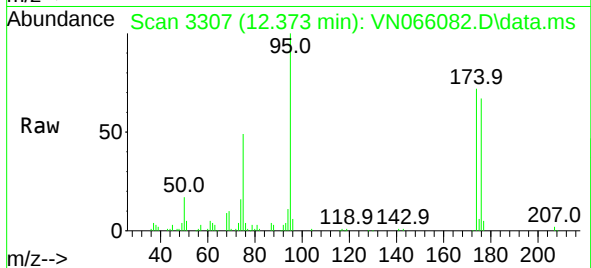




#62
4-Bromofluorobenzene
Concen: 47.86 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

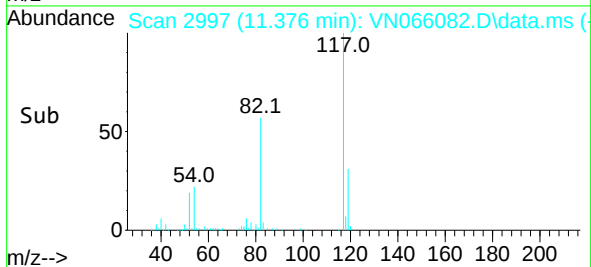
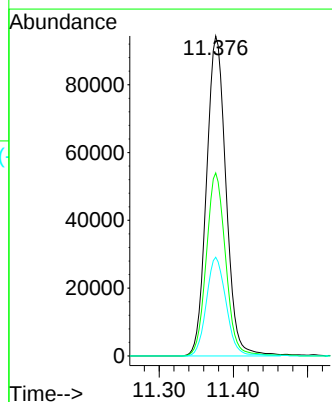
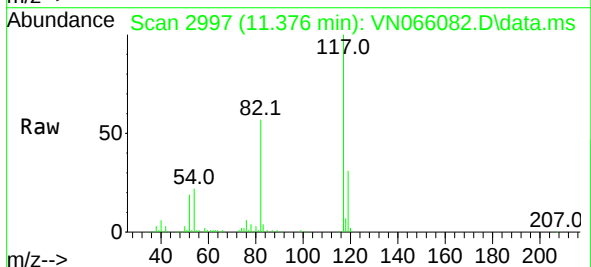
Instrument :
MSVOA_N
ClientSampled :
41129

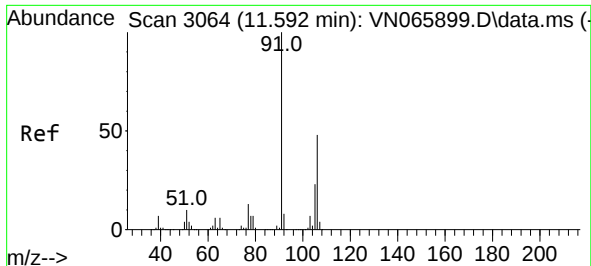
Tgt Ion: 95 Resp: 84979
Ion Ratio Lower Upper
95 100
174 73.3 0.0 169.0
176 70.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion: 117 Resp: 171758
Ion Ratio Lower Upper
117 100
82 57.2 43.7 65.5
119 30.8 26.1 39.1

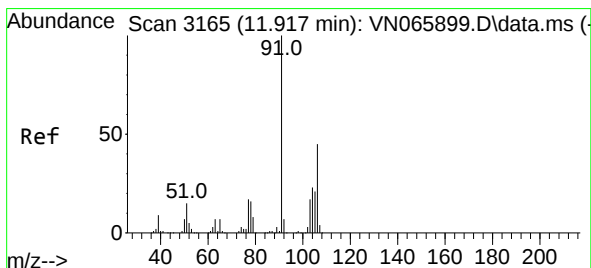
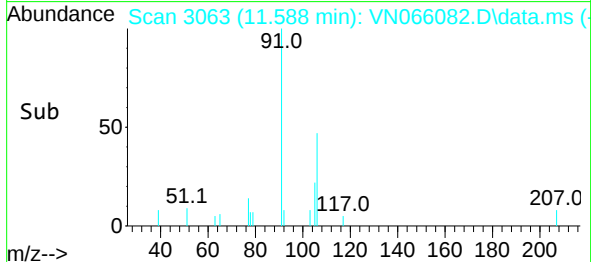
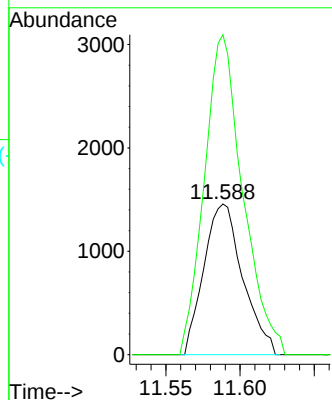
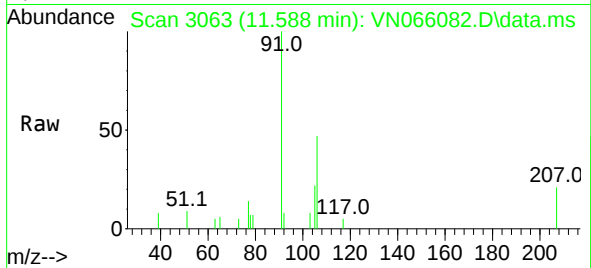




#68
m/p-Xylenes
Concen: 1.10 ug/l
RT: 11.588 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

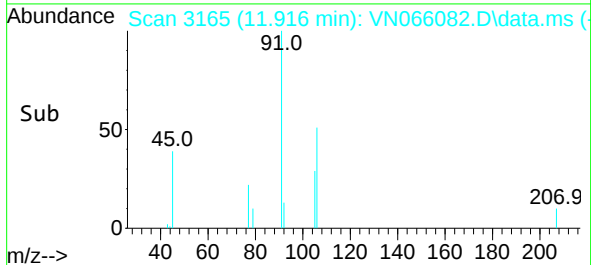
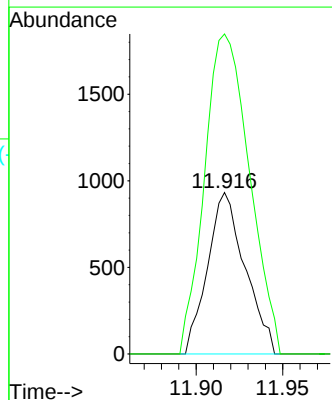
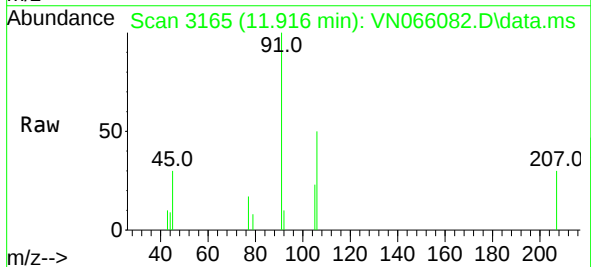
Instrument :
MSVOA_N
ClientSampled :
41129

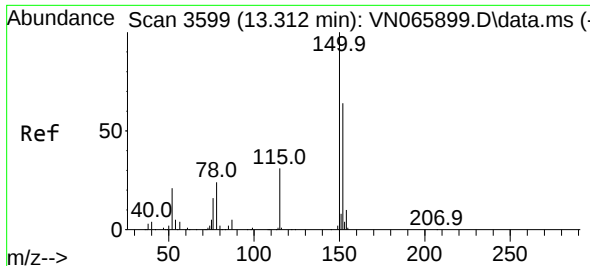
Tgt Ion:106 Resp: 2659
Ion Ratio Lower Upper
106 100
91 209.5 161.4 242.0



#69
o-Xylene
Concen: 0.60 ug/l
RT: 11.916 min Scan# 3165
Delta R.T. -0.001 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion:106 Resp: 1405
Ion Ratio Lower Upper
106 100
91 236.9 106.8 320.4

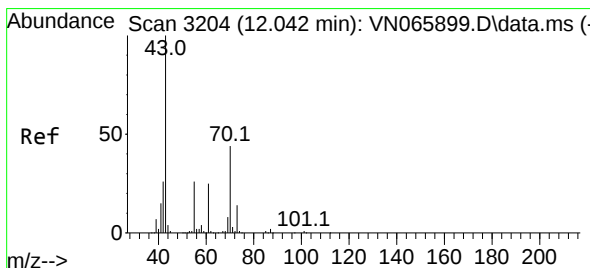
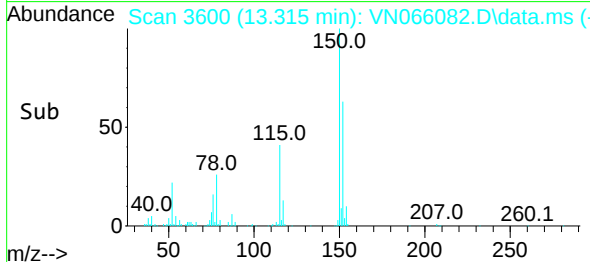
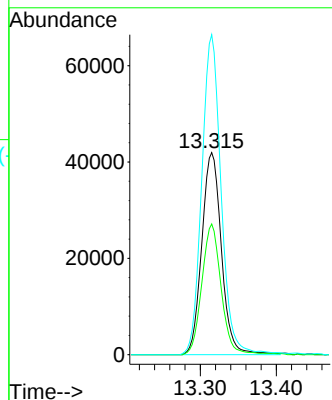
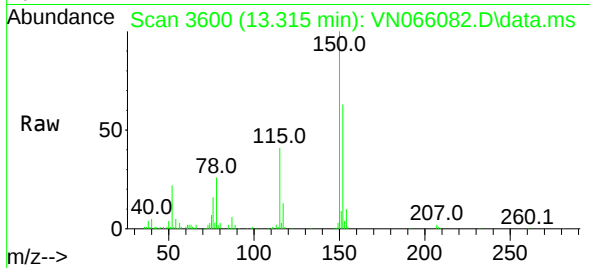




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

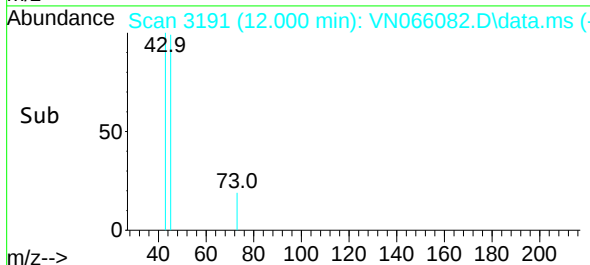
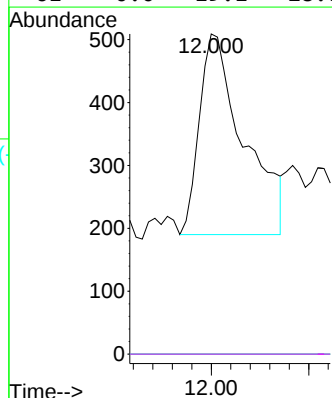
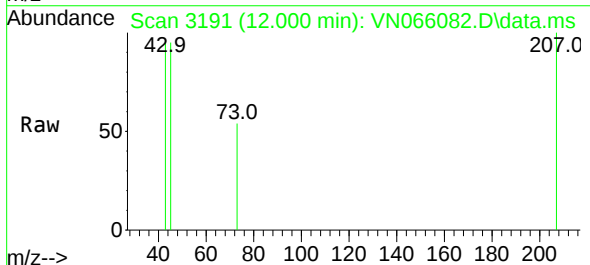
Instrument :
MSVOA_N
ClientSampled :
41129

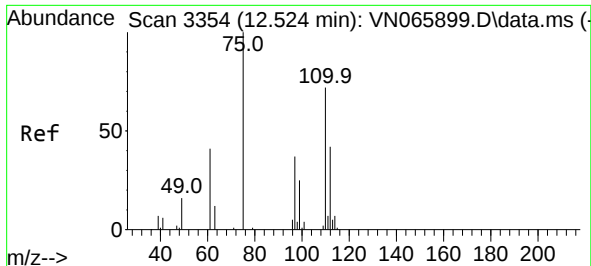
Tgt Ion:152 Resp: 75411
Ion Ratio Lower Upper
152 100
115 63.1 28.5 85.6
150 154.3 0.0 347.6



#74
N-ethyl acetate
Concen: 0.24 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.042 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion: 43 Resp: 506
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#

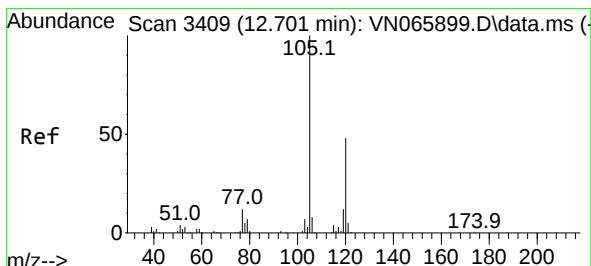
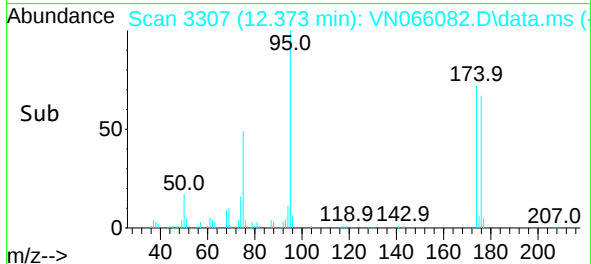
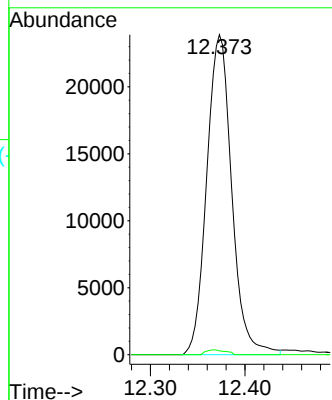
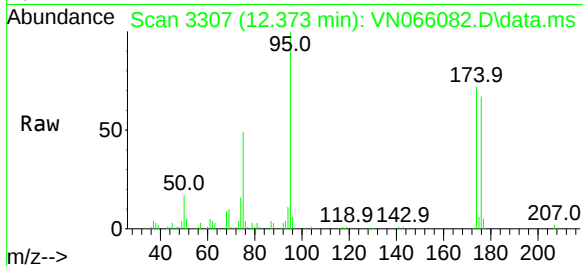




#76
1,2,3-Trichloropropane
Concen: 24.22 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

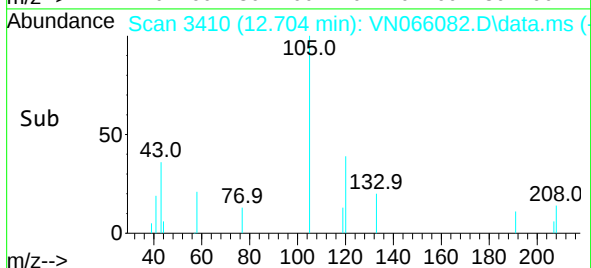
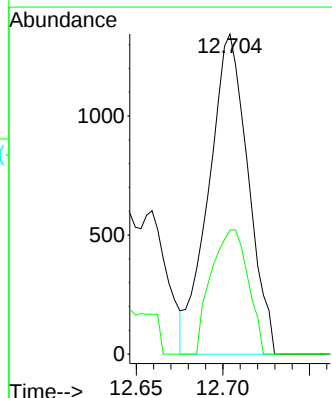
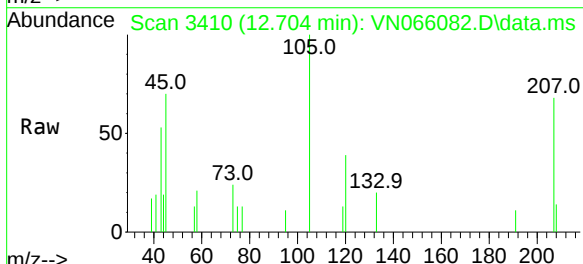
Instrument :
MSVOA_N
ClientSampled :
41129

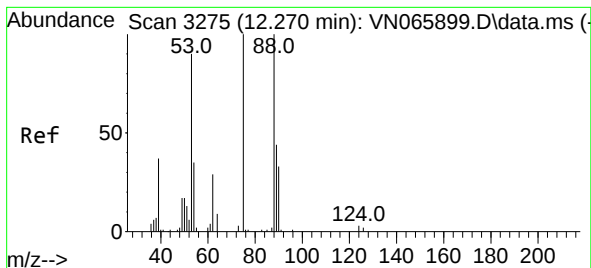
Tgt Ion: 75 Resp: 43873
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.41 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion: 105 Resp: 2119
Ion Ratio Lower Upper
105 100
120 36.4 24.3 72.8

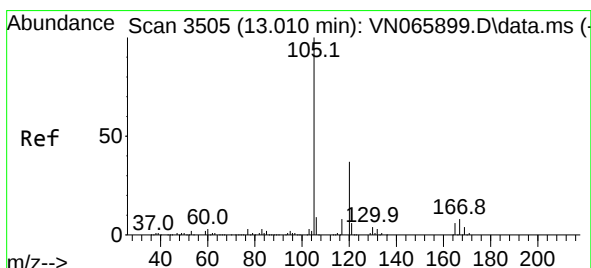
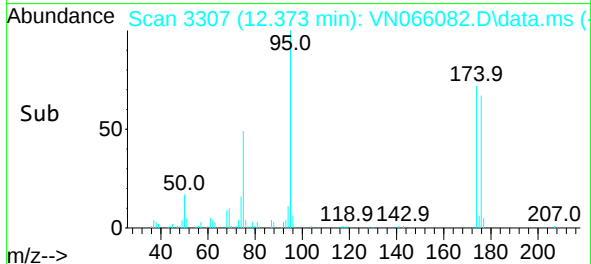
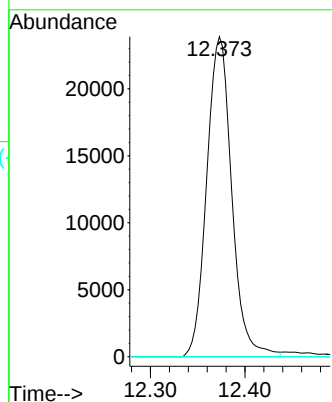
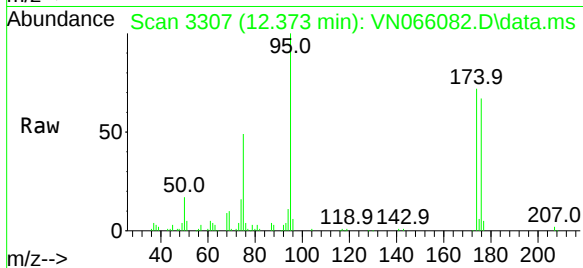




#81
trans-1,4-Dichloro-2-butene
Concen: 77.18 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

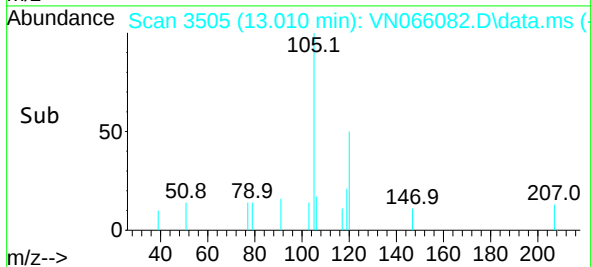
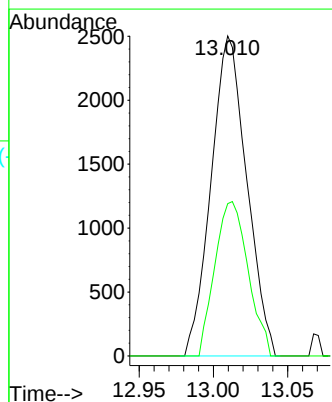
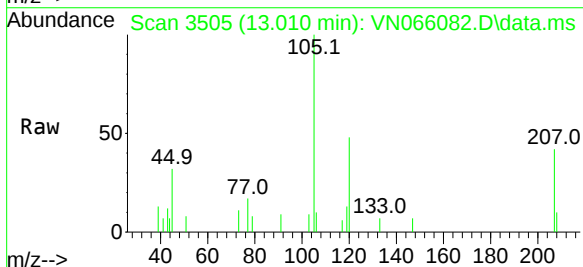
Instrument :
MSVOA_N
ClientSampled :
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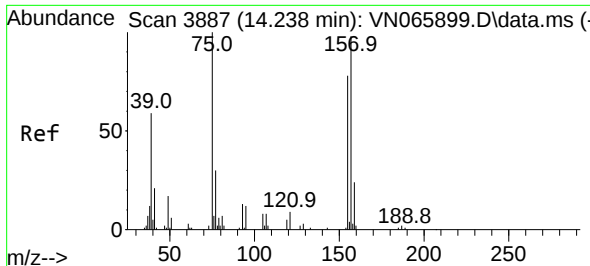
Tgt Ion: 75 Resp: 43873
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.80 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Tgt Ion: 105 Resp: 4175
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.0

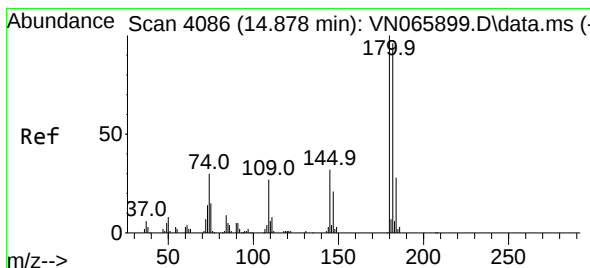
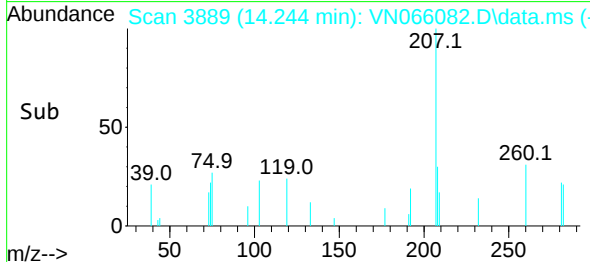
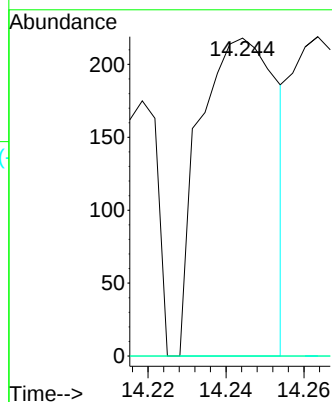
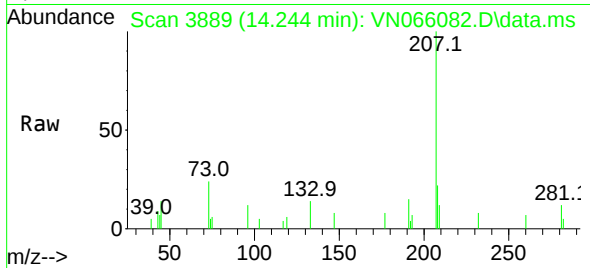




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.67 ug/l
 RT: 14.244 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VN066082.D
 Acq: 1 Mar 2021 17:29

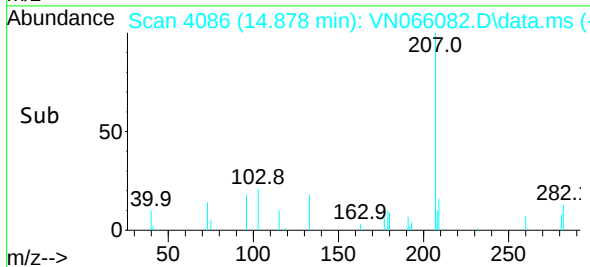
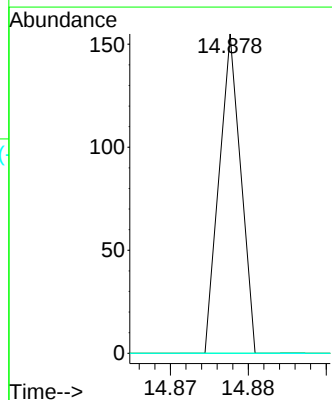
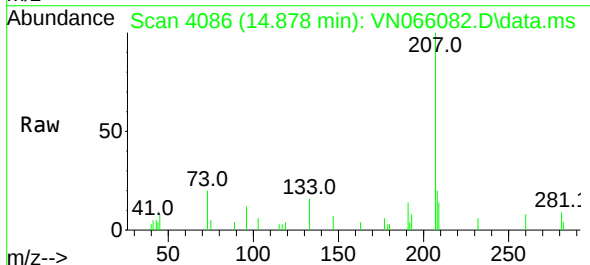
Instrument :
 MSVOA_N
 ClientSampled :
 41129

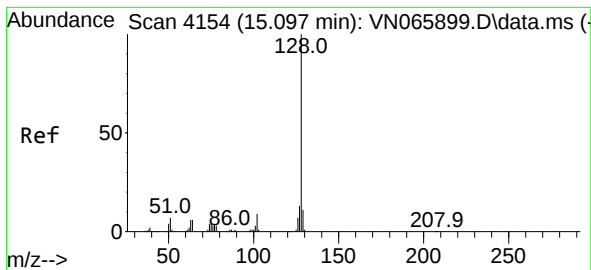
Tgt Ion: 75 Resp: 298
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.48 ug/l
 RT: 14.878 min Scan# 4086
 Delta R.T. -0.000 min
 Lab File: VN066082.D
 Acq: 1 Mar 2021 17:29

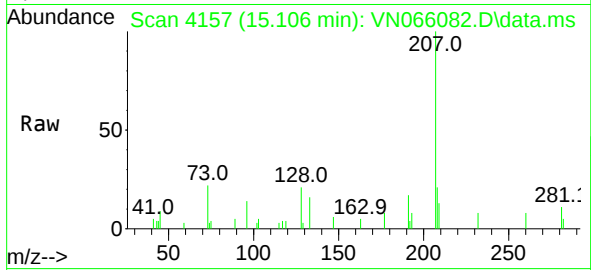
Tgt Ion: 180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 15.6 46.8#





#95
Naphthalene
Concen: 3.65 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.009 min
Lab File: VN066082.D
Acq: 1 Mar 2021 17:29

Instrument :
MSVOA_N
ClientSampleId :
41129



Tgt Ion:128 Resp: 2774
Ion Ratio Lower Upper
128 100
127 5.2 10.2 15.2#
129 4.6 8.6 13.0#

