

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
 Data File : VN066620.D
 Acq On : 15 Apr 2021 18:42
 Operator : JC/MD
 Sample : M2034-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 07:53:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

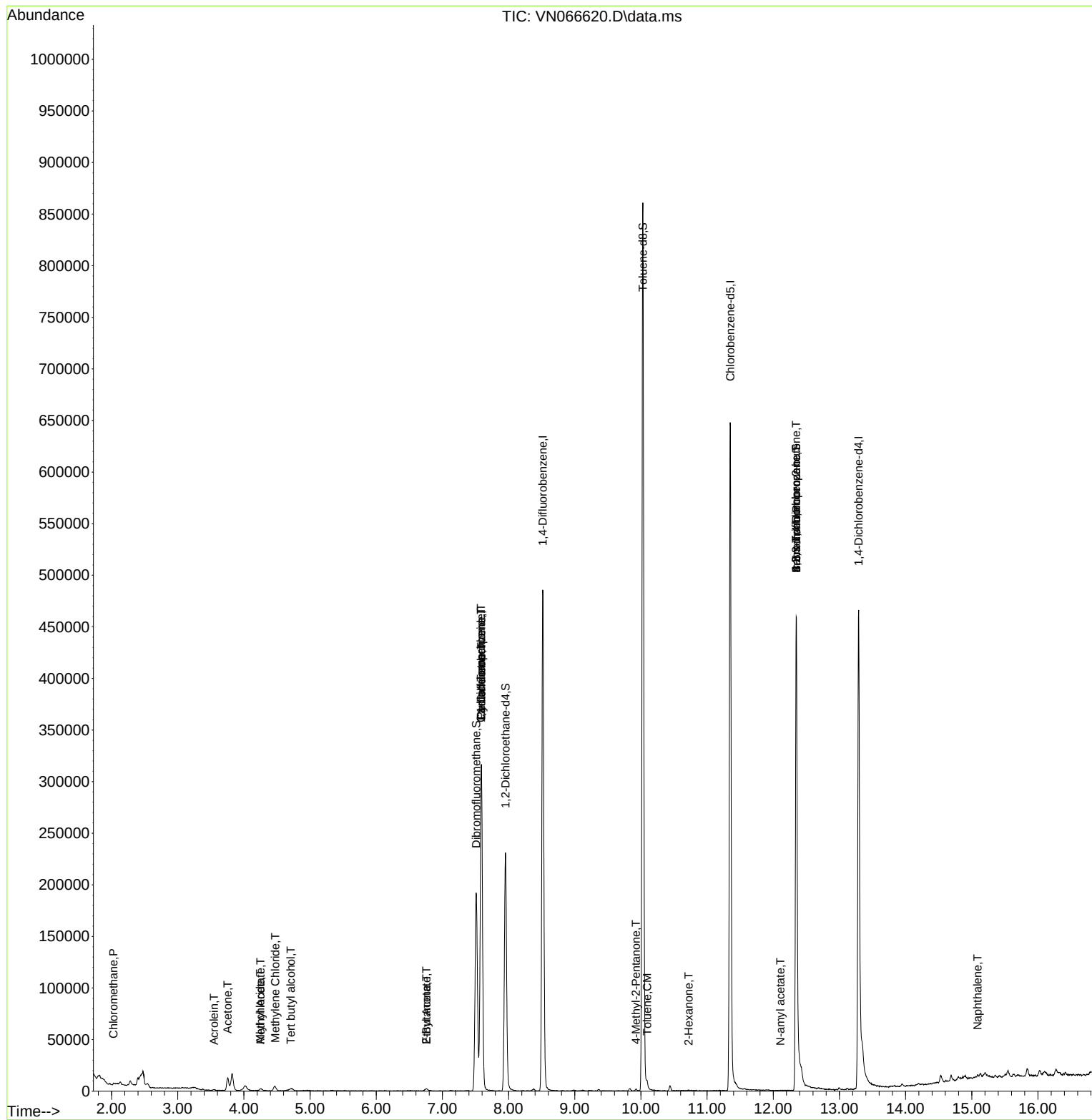
Internal Standards						
1) Pentafluorobenzene	7.588	168	269236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	428134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	382545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	159391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	195681	48.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 96.36%			
35) Dibromofluoromethane	7.510	113	151949	51.18	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.36%			
50) Toluene-d8	10.029	98	596312	51.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.48%			
62) 4-Bromofluorobenzene	12.346	95	192265	46.99	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.98%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.028	50	1502	0.31	ug/l	93
11) Tert butyl alcohol	4.708	59	1669	2.56	ug/l #	93
13) Acrolein	3.546	56	917	2.64	ug/l	96
14) Allyl chloride	4.246	41	271	0.23	ug/l #	25
16) Acetone	3.756	43	20297	5.67	ug/l	99
18) Methyl Acetate	4.249	43	3154	0.72	ug/l #	74
20) Methylene Chloride	4.474	84	3160	0.82	ug/l	98
25) 2-Butanone	6.757	43	3616	1.51	ug/l #	84
31) Cyclohexane	7.588	56	5796	0.99	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	20671	4.79	ug/l #	48
37) Ethyl Acetate	6.757	43	3616	0.74	ug/l #	68
38) Carbon Tetrachloride	7.585	117	24723	6.12	ug/l #	16
51) 4-Methyl-2-Pentanone	9.927	43	1575	0.33	ug/l #	75
52) Toluene	10.093	92	2312	0.28	ug/l	99
59) 2-Hexanone	10.721	43	142	4.91	ug/l #	23
71) Bromoform	12.349	173	1362	0.60	ug/l #	1
74) N-amyl acetate	12.107	43	74	9.74	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	97783	26.23	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	97783	80.91	ug/l #	12
95) Naphthalene	15.087	128	4312	0.53	ug/l #	77

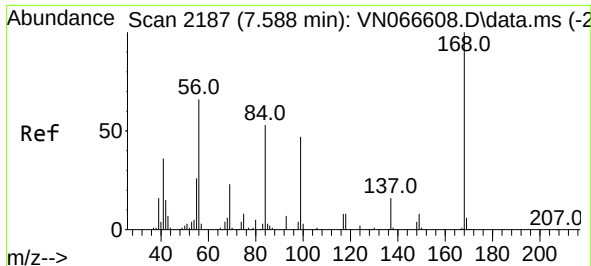
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

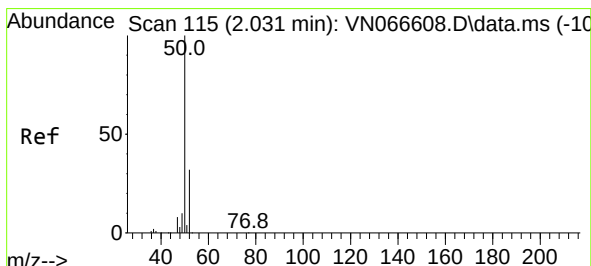
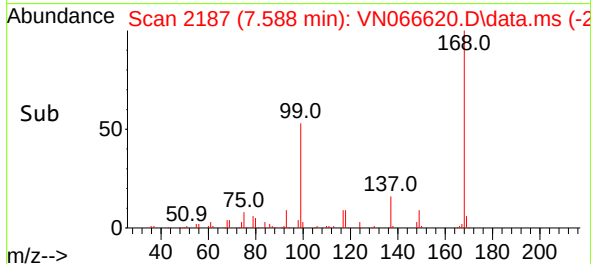
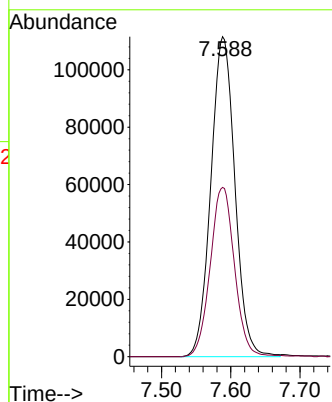
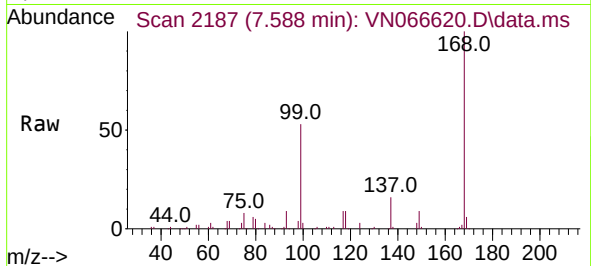




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

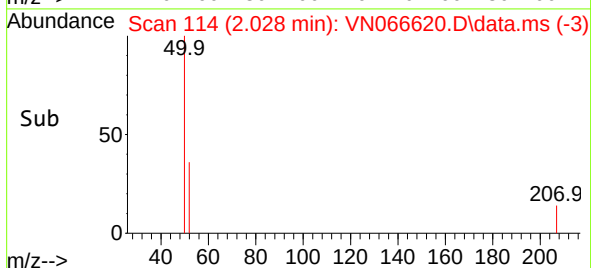
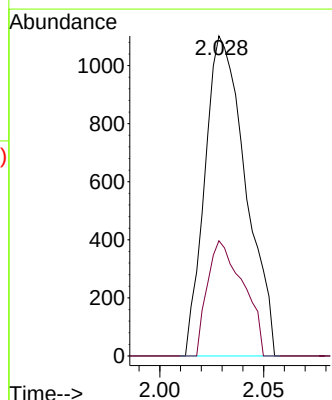
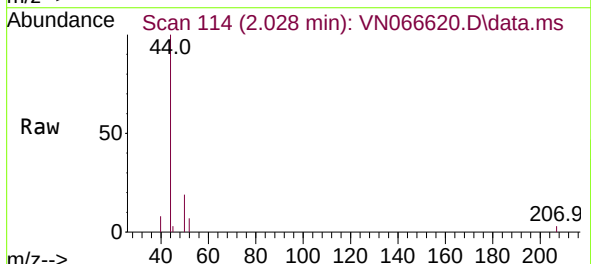
Instrument :
MSVOA_N
ClientSampled :

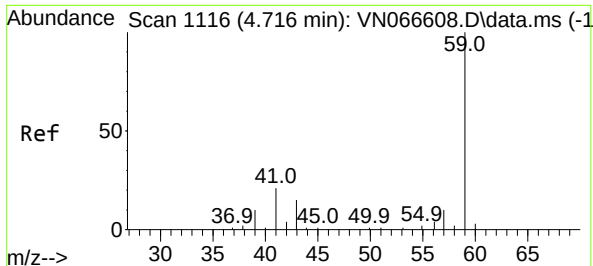
Tgt Ion:168 Resp: 269236
Ion Ratio Lower Upper
168 100
99 52.9 42.6 63.8



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.028 min Scan# 114
Delta R.T. -0.003 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 50 Resp: 1502
Ion Ratio Lower Upper
50 100
52 36.0 25.8 38.8



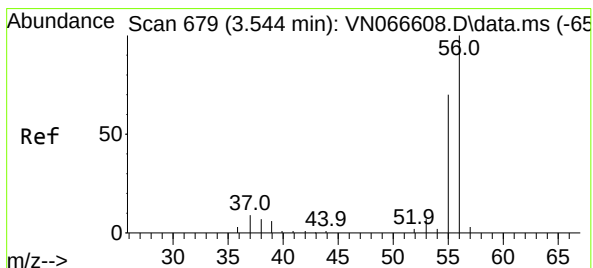
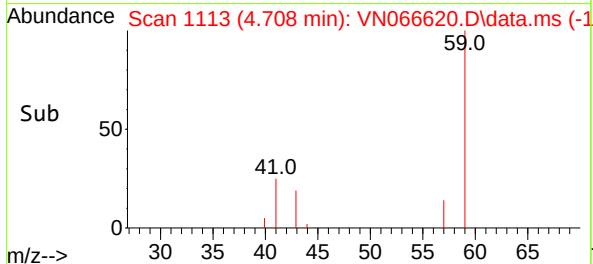
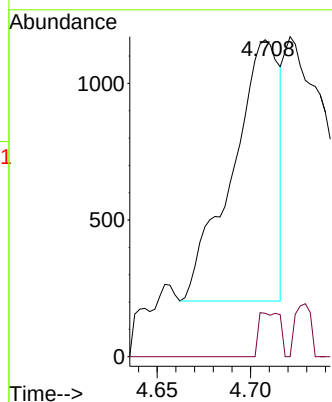
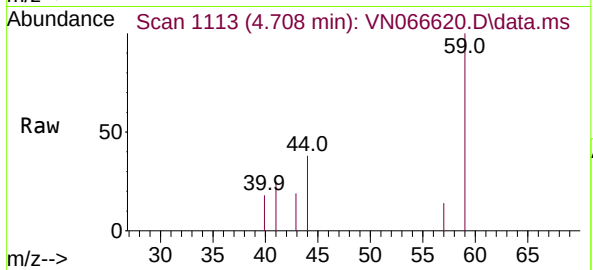


#11

Tert butyl alcohol
Concen: 2.56 ug/l
RT: 4.708 min Scan# 1113
Delta R.T. -0.008 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Instrument :
MSVOA_N
ClientSampled :

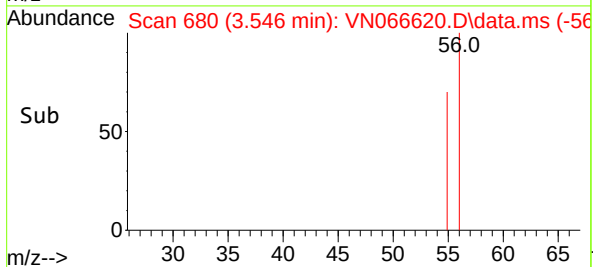
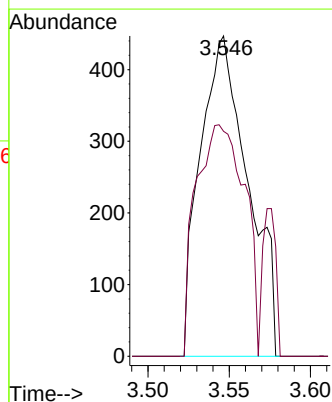
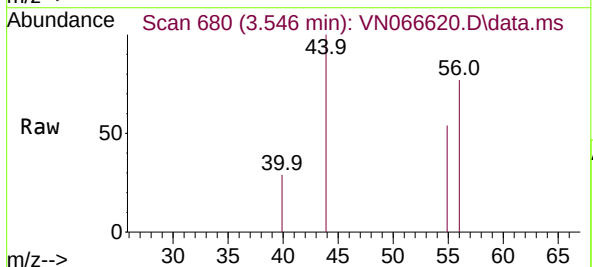
Tgt Ion: 59 Resp: 1669
Ion Ratio Lower Upper
59 100
57 7.5 8.0 12.0#

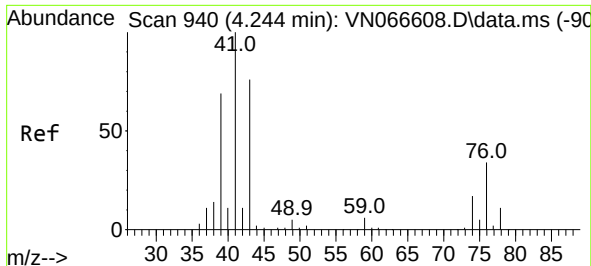


#13

Acrolein
Concen: 2.64 ug/l
RT: 3.546 min Scan# 680
Delta R.T. 0.002 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 56 Resp: 917
Ion Ratio Lower Upper
56 100
55 73.3 56.0 84.0





#14

Allyl chloride

Concen: 0.23 ug/l

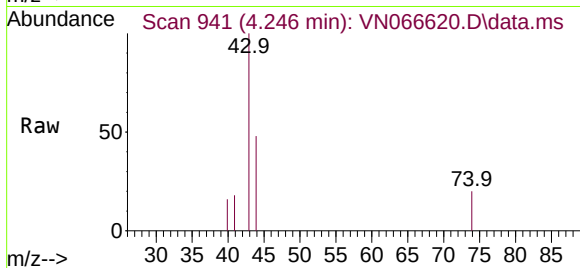
RT: 4.246 min Scan# 941

Delta R.T. 0.002 min

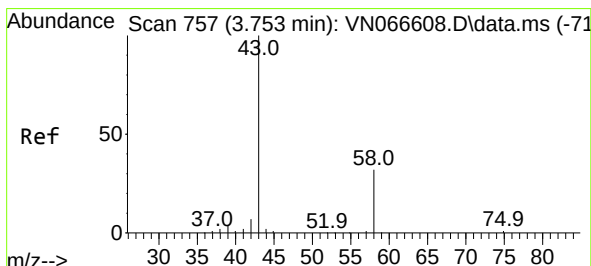
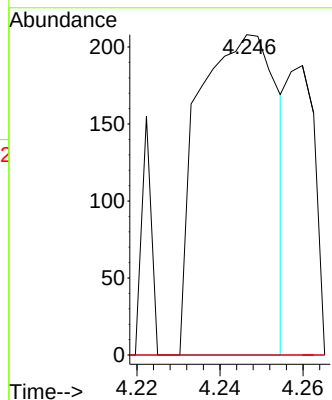
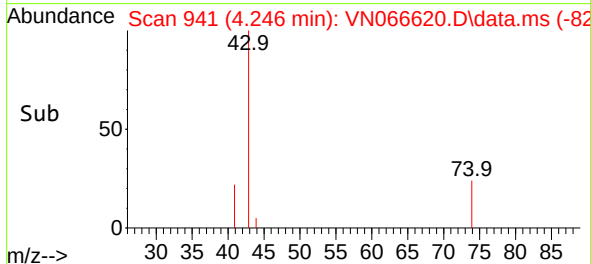
Lab File: VN066620.D

Acq: 15 Apr 2021 18:42

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	41	Resp:	271
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.4#
76	0.0	28.9	43.3#



#16

Acetone

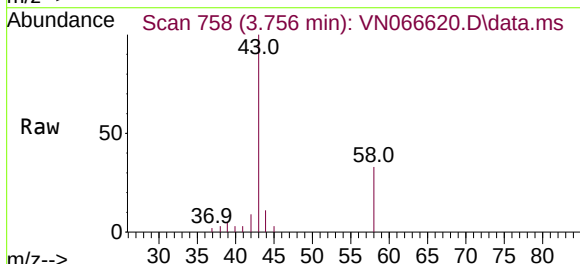
Concen: 5.67 ug/l

RT: 3.756 min Scan# 758

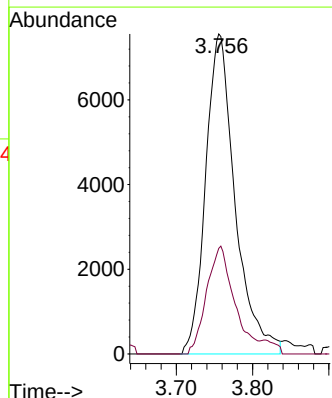
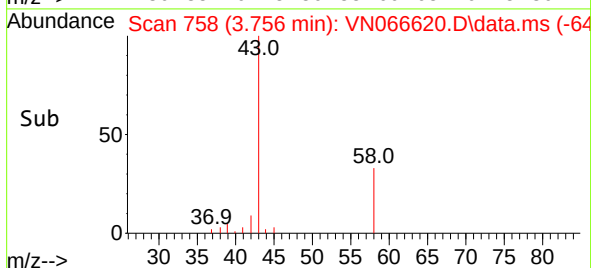
Delta R.T. 0.003 min

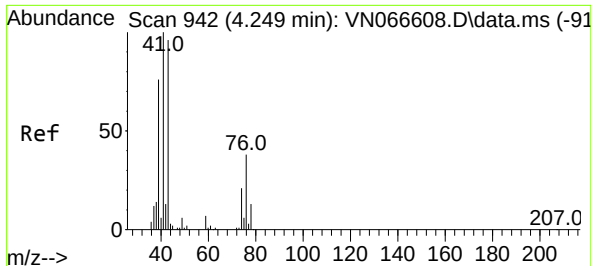
Lab File: VN066620.D

Acq: 15 Apr 2021 18:42



Tgt Ion:	43	Resp:	20297
Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.0	40.6





#18

Methyl Acetate

Concen: 0.72 ug/l

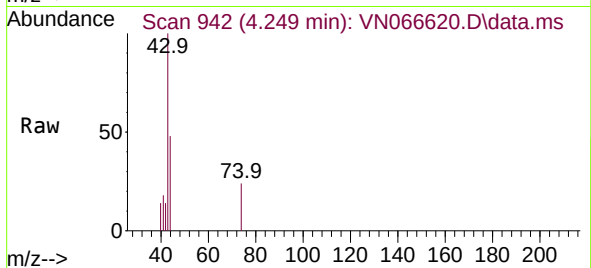
RT: 4.249 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN066620.D

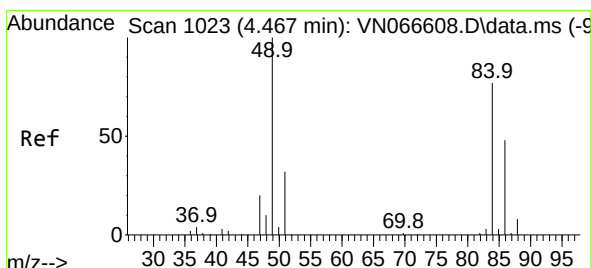
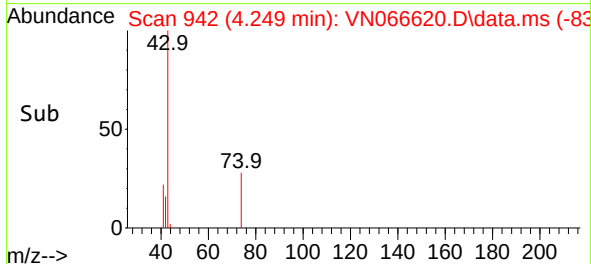
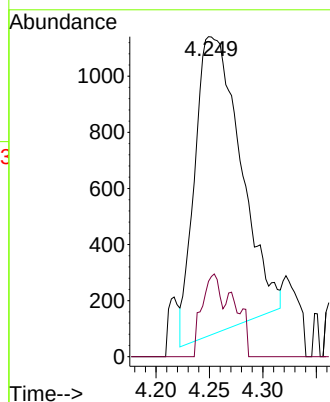
Acq: 15 Apr 2021 18:42

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 43 Resp: 3154

Ion	Ratio	Lower	Upper
43	100		
74	11.4	19.5	29.3#



#20

Methylene Chloride

Concen: 0.82 ug/l

RT: 4.474 min Scan# 1026

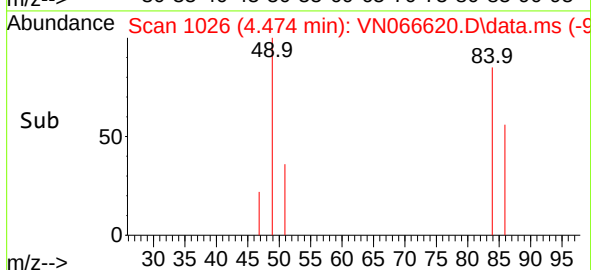
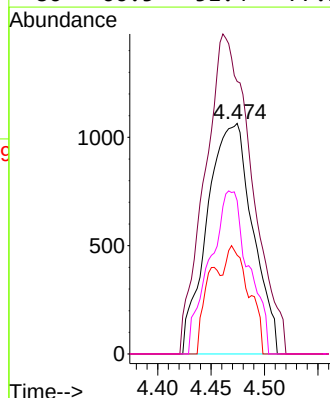
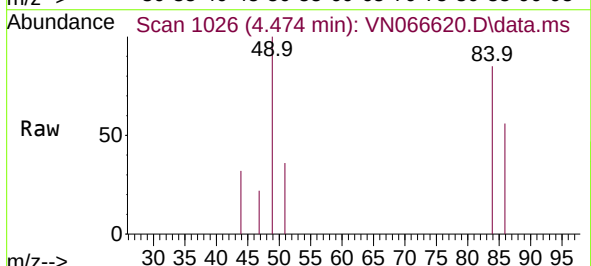
Delta R.T. 0.007 min

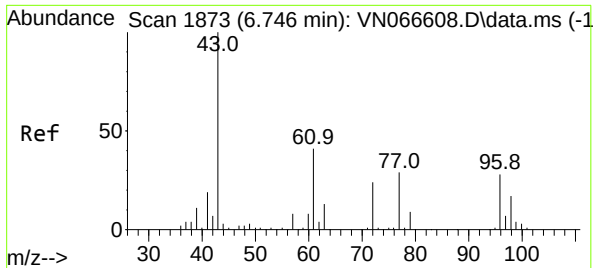
Lab File: VN066620.D

Acq: 15 Apr 2021 18:42

Tgt Ion: 84 Resp: 3160

Ion	Ratio	Lower	Upper
84	100		
49	118.2	94.6	141.8
51	42.9	29.9	44.9
86	66.5	51.4	77.2

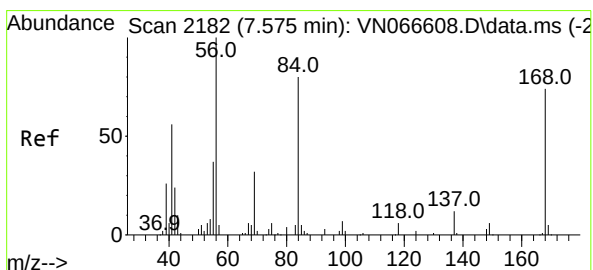
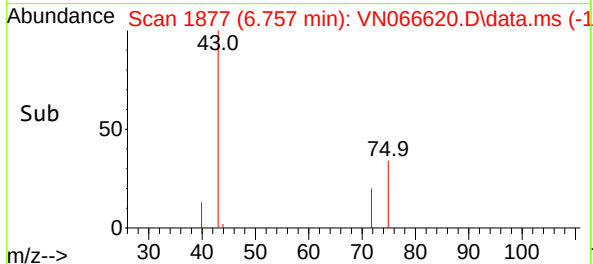
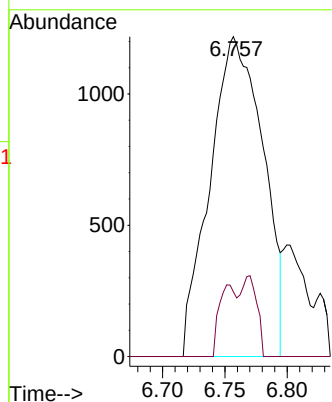
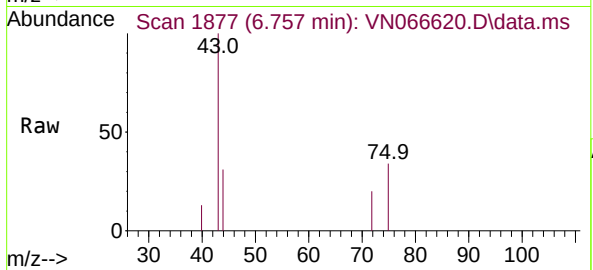




#25
2-Butanone
Concen: 1.51 ug/l
RT: 6.757 min Scan# 1877
Delta R.T. 0.011 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

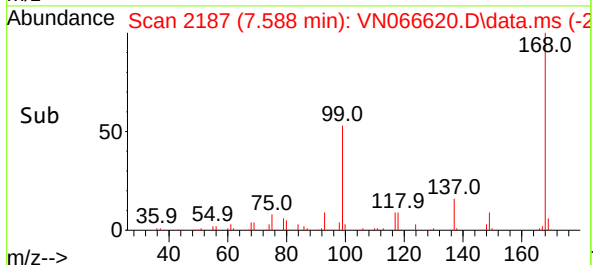
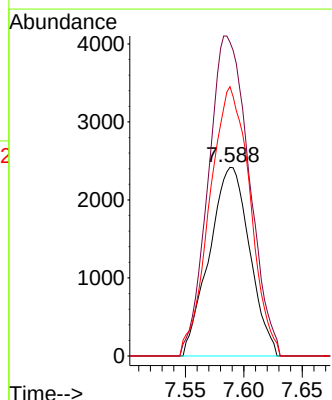
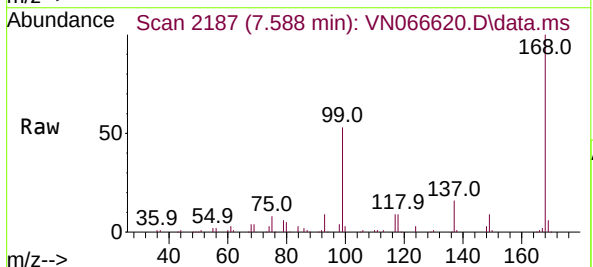
Instrument :
MSVOA_N
ClientSampled :

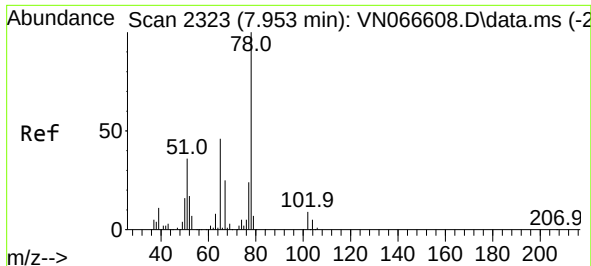
Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
72 20.3 23.1 34.7#



#31
Cyclohexane
Concen: 0.99 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.013 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 56 Resp: 5796
Ion Ratio Lower Upper
56 100
69 166.3 26.6 39.8#
84 142.7 70.4 105.6#

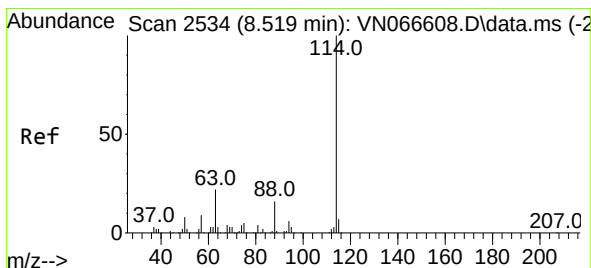
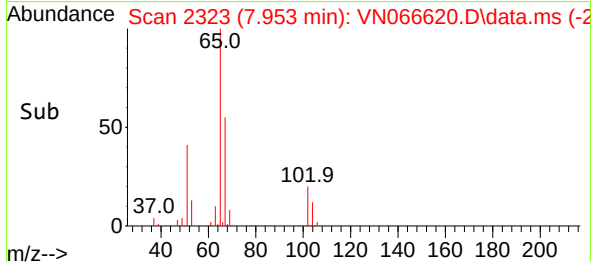
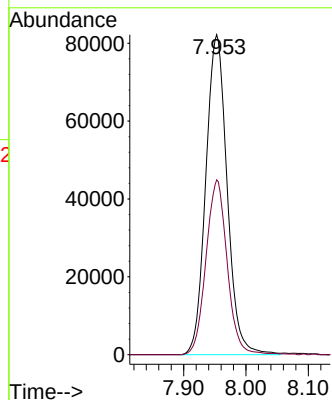
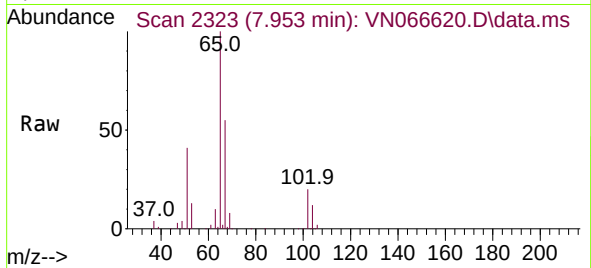




#33
 1,2-Dichloroethane-d4
 Concen: 48.18 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066620.D
 Acq: 15 Apr 2021 18:42

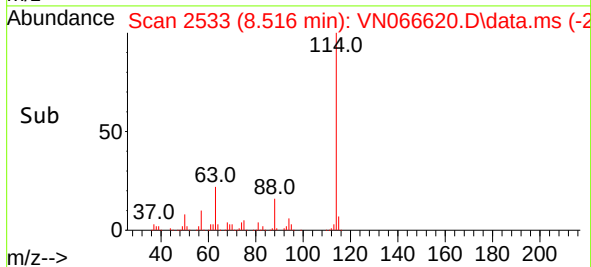
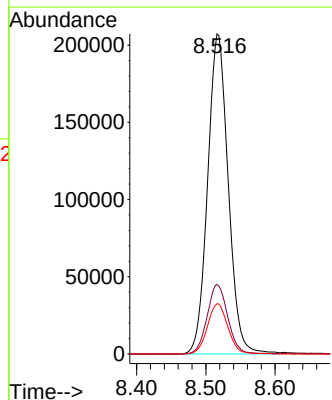
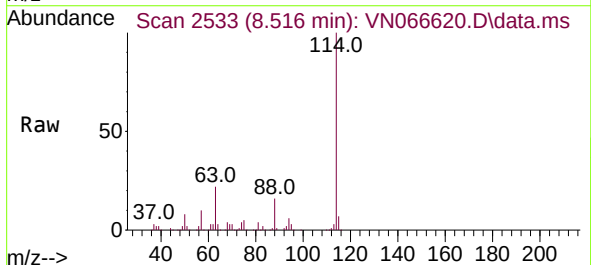
Instrument :
 MSVOA_N
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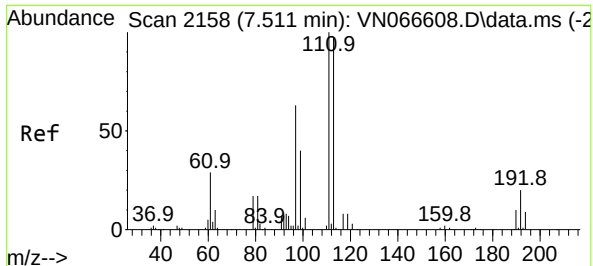
Tgt Ion: 65 Resp: 195681
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.516 min Scan# 2533
 Delta R.T. -0.003 min
 Lab File: VN066620.D
 Acq: 15 Apr 2021 18:42

Tgt Ion: 114 Resp: 428134
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 38.6
 88 15.7 0.0 30.6

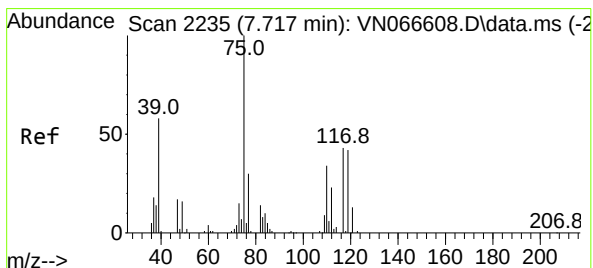
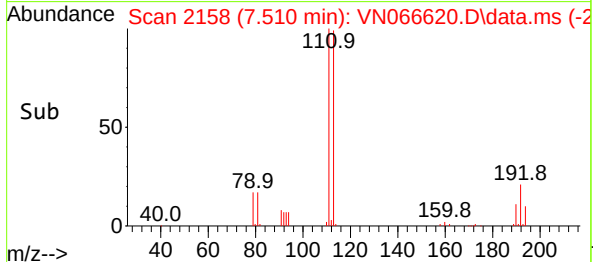
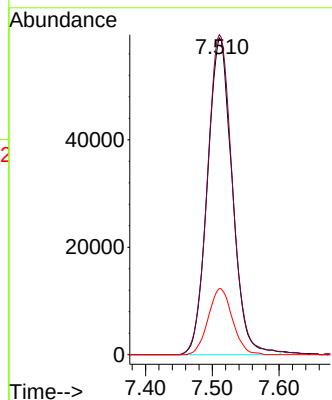
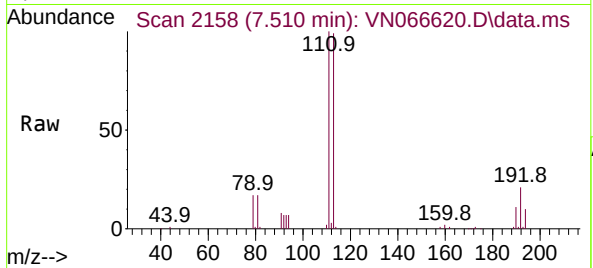




#35
Dibromofluoromethane
Concen: 51.18 ug/l
RT: 7.510 min Scan# 2158
Delta R.T. -0.001 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

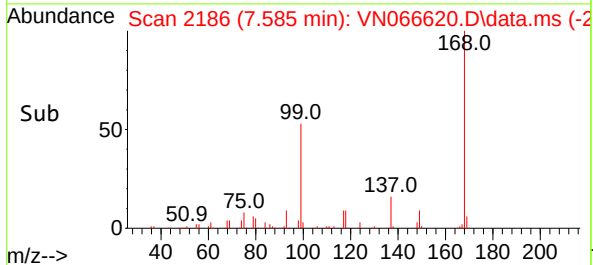
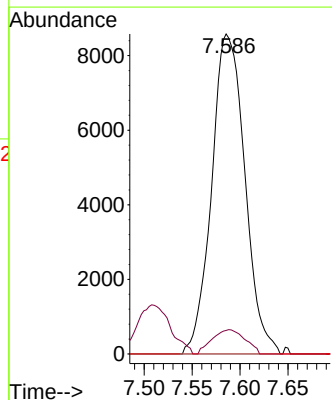
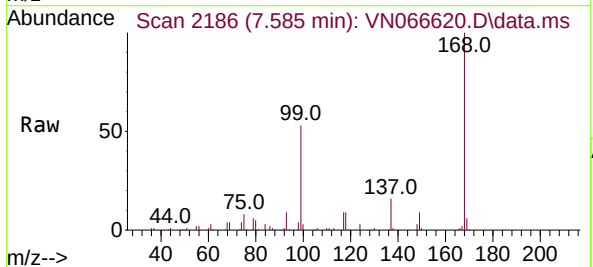
Instrument :
MSVOA_N
ClientSampled :

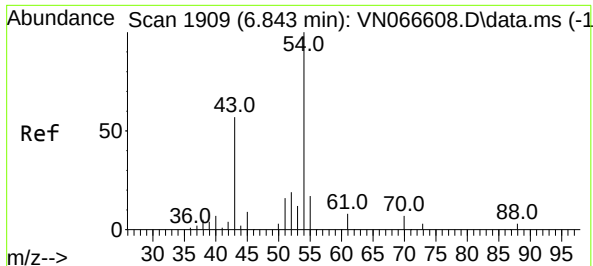
Tgt Ion:113 Resp: 151949
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 20.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.79 ug/l
RT: 7.585 min Scan# 2186
Delta R.T. -0.131 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 75 Resp: 20671
Ion Ratio Lower Upper
75 100
110 7.5 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.74 ug/l

RT: 6.757 min Scan# 1877

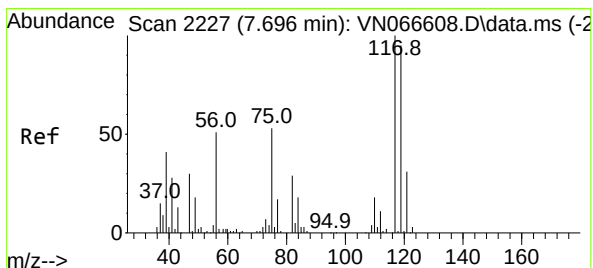
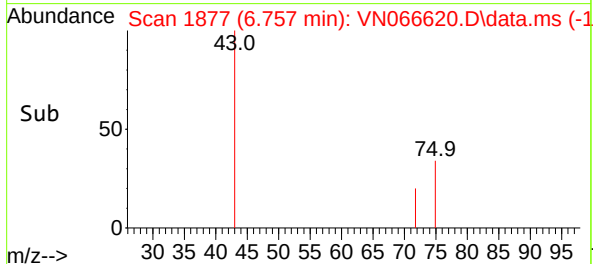
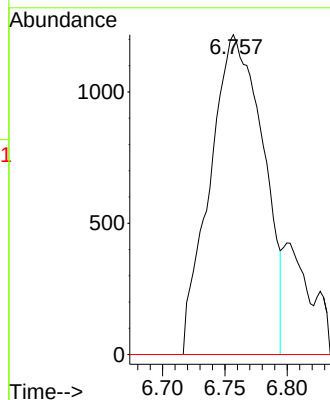
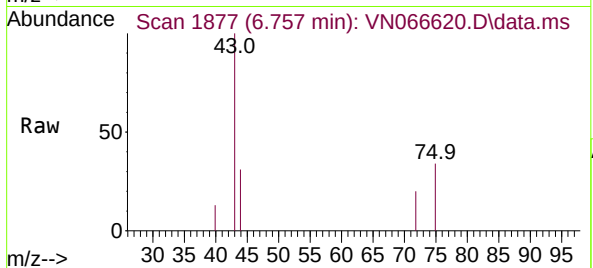
Delta R.T. -0.086 min

Lab File: VN066620.D

Acq: 15 Apr 2021 18:42

Tgt Ion:	43	Resp:	3616
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.12 ug/l

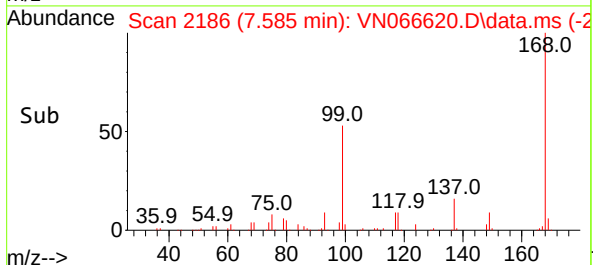
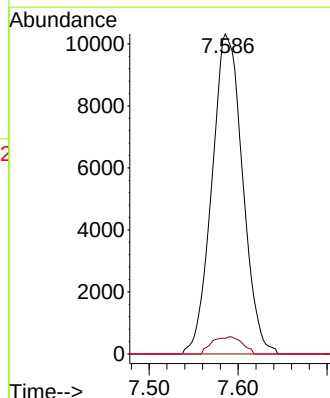
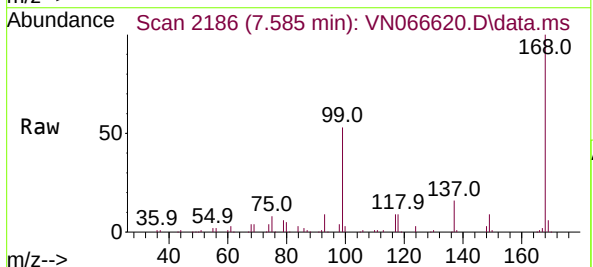
RT: 7.585 min Scan# 2186

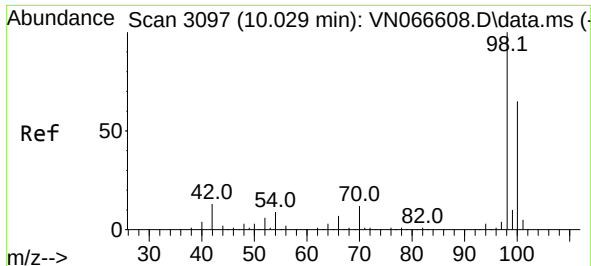
Delta R.T. -0.111 min

Lab File: VN066620.D

Acq: 15 Apr 2021 18:42

Tgt Ion:	117	Resp:	24723
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.0	114.0#
121	0.0	24.5	36.7#

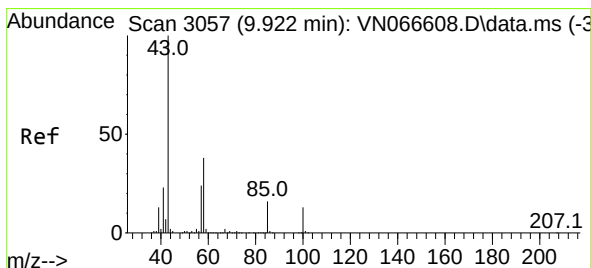
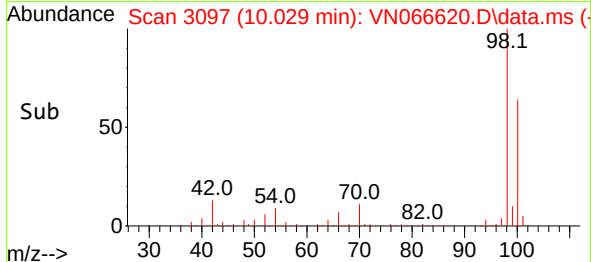
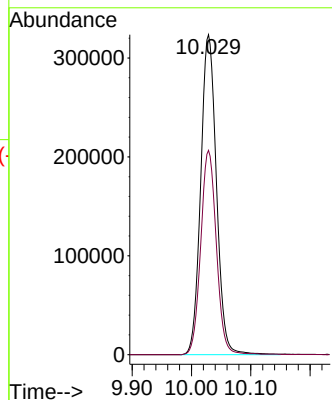
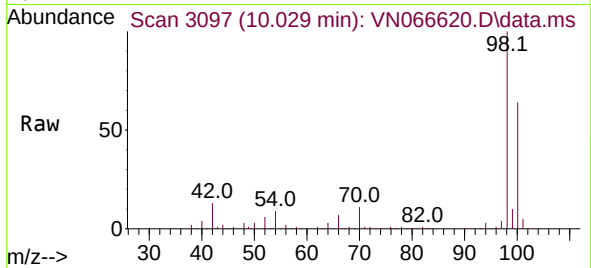




#50
Toluene-d8
Concen: 51.24 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

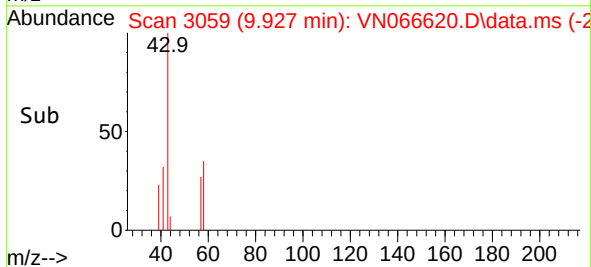
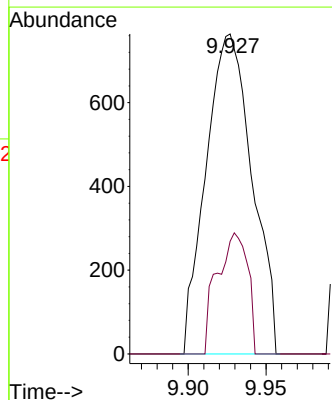
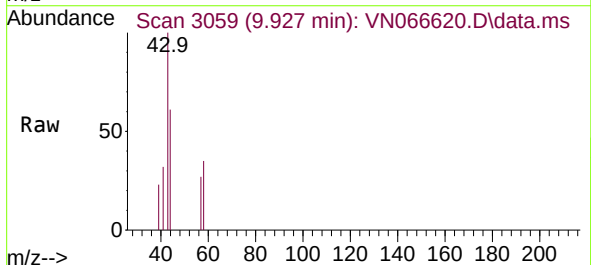
Instrument :
MSVOA_N
ClientSampled :

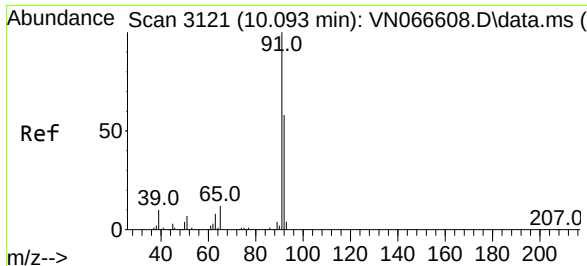
Tgt Ion: 98 Resp: 596312
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.33 ug/l
RT: 9.927 min Scan# 3059
Delta R.T. 0.005 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
58 25.0 32.5 48.7#

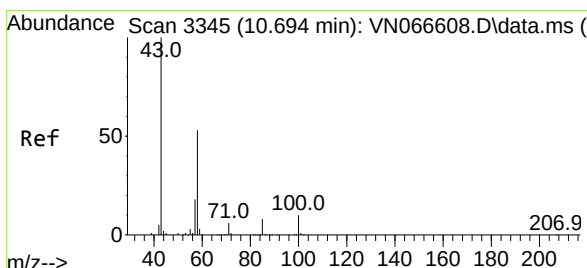
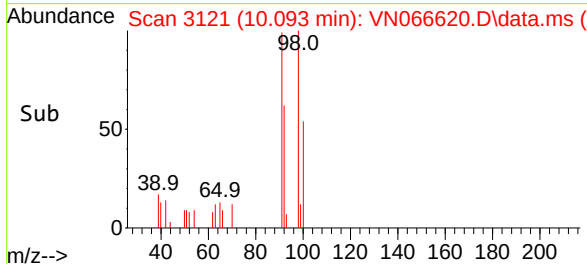
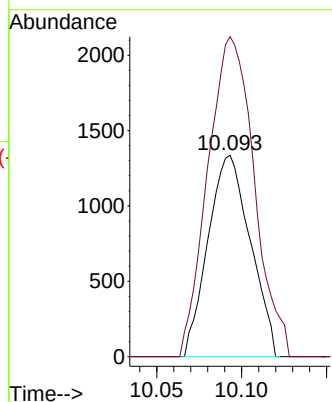
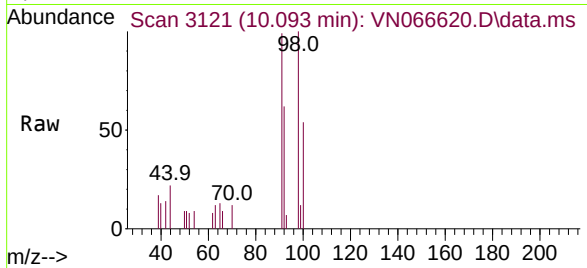




#52
Toluene
Concen: 0.28 ug/l
RT: 10.093 min Scan# 3121
Delta R.T. 0.000 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

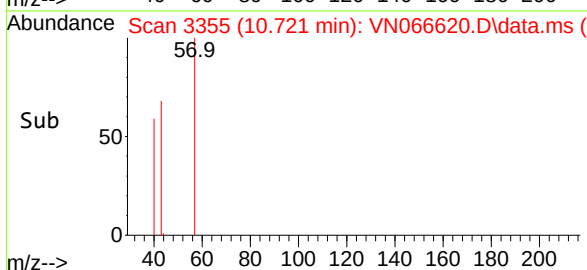
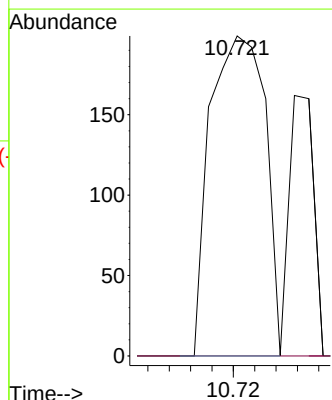
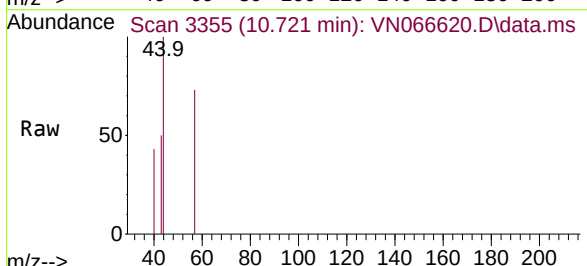
Instrument :
MSVOA_N
ClientSampled :

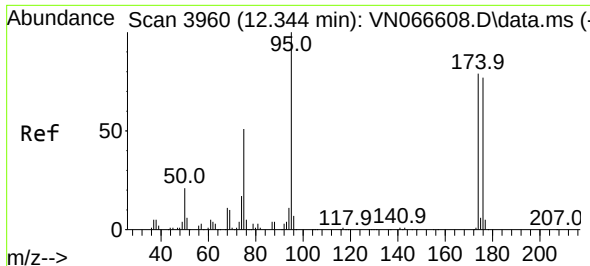
Tgt Ion: 92 Resp: 2312
Ion Ratio Lower Upper
92 100
91 174.2 140.7 211.1



#59
2-Hexanone
Concen: 4.91 ug/l
RT: 10.721 min Scan# 3355
Delta R.T. 0.027 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

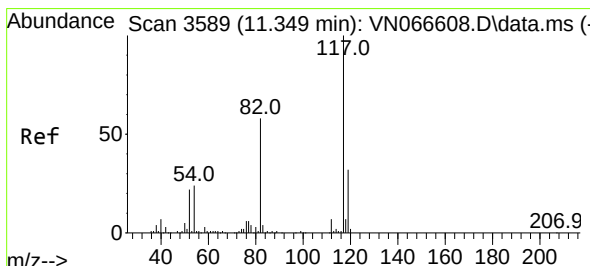
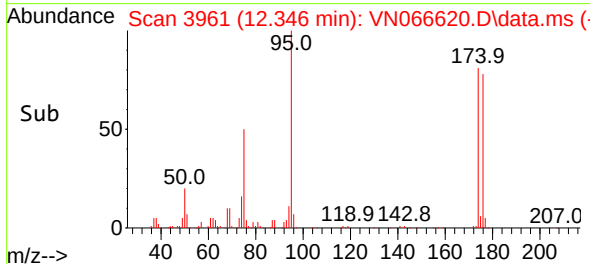
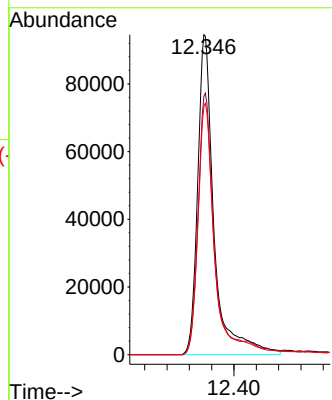
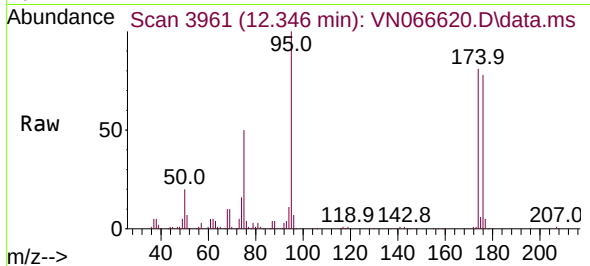




#62
4-Bromofluorobenzene
Concen: 46.99 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

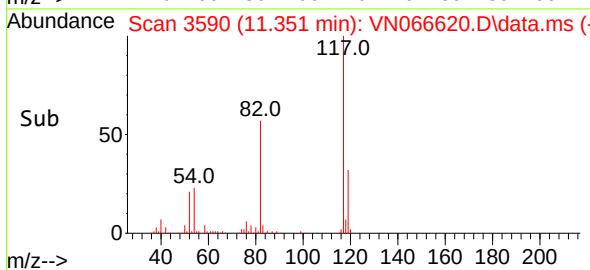
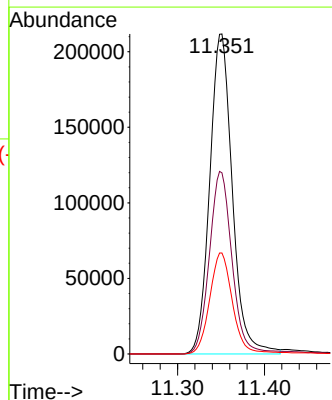
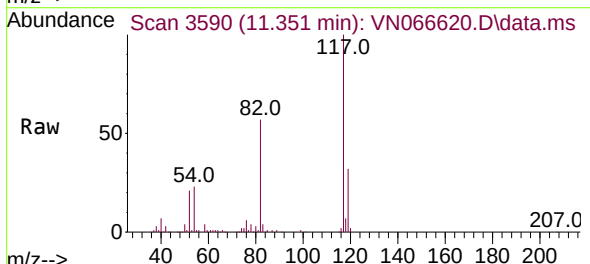
Instrument :
MSVOA_N
ClientSampleId :

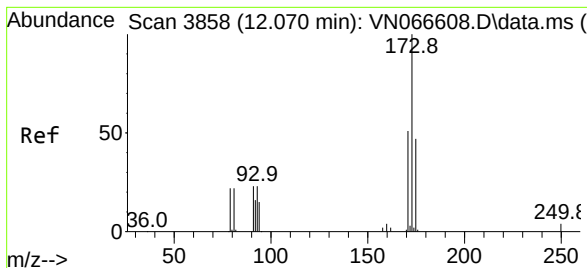
Tgt Ion: 95 Resp: 192265
Ion Ratio Lower Upper
95 100
174 78.3 0.0 169.0
176 80.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.002 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 117 Resp: 382545
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 31.5 26.1 39.1

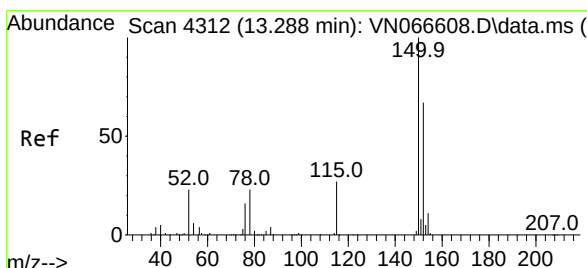
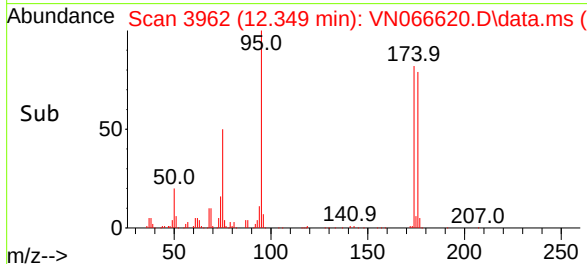
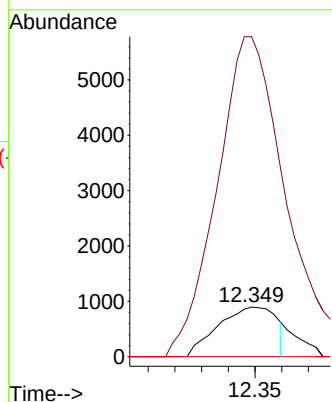
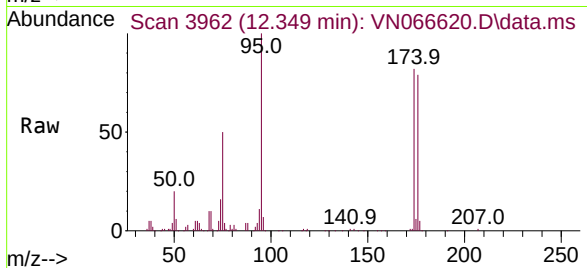




#71
Bromoform
Concen: 0.60 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.279 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

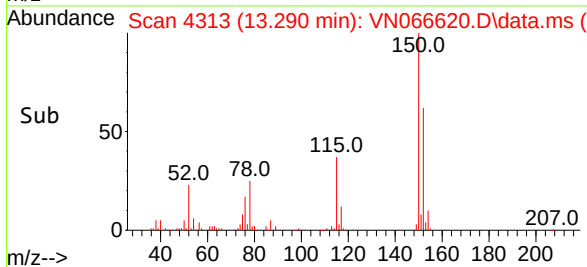
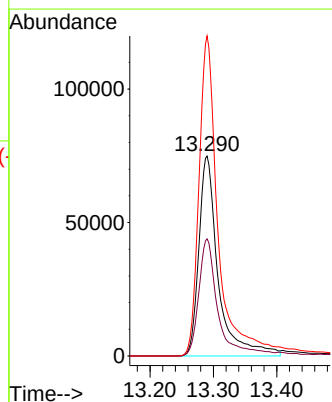
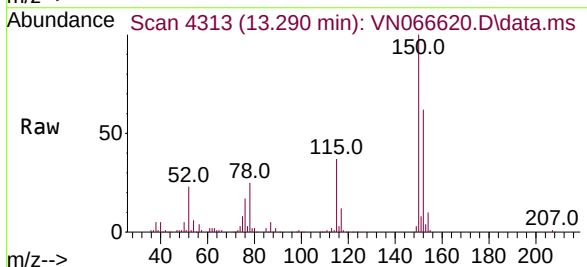
Instrument :
MSVOA_N
ClientSampled :

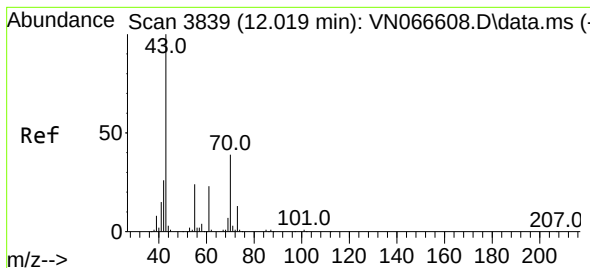
Tgt Ion:173 Resp: 1362
Ion Ratio Lower Upper
173 100
175 620.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

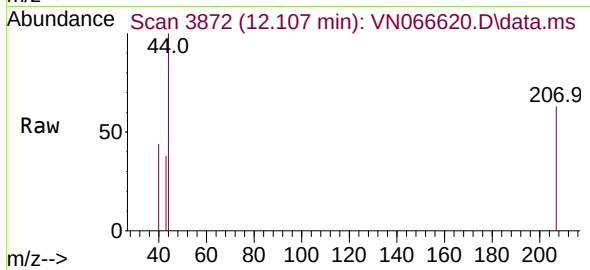
Tgt Ion:152 Resp: 159391
Ion Ratio Lower Upper
152 100
115 57.9 28.5 85.6
150 164.1 0.0 347.6



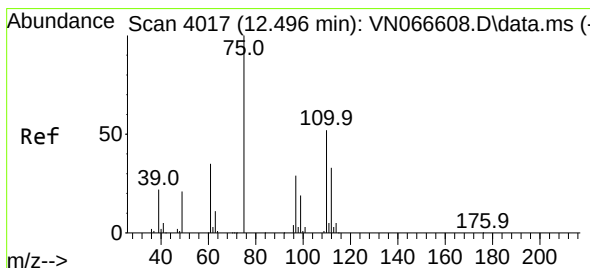
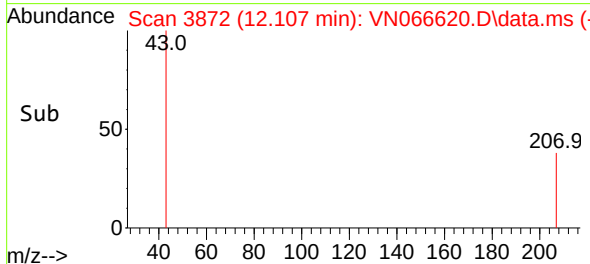
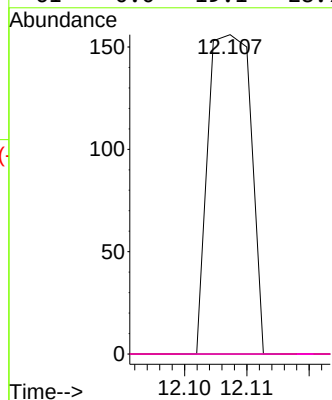


#74
N-amy1 acetate
Concen: 9.74 ug/l
RT: 12.107 min Scan# 3872
Delta R.T. 0.088 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Instrument :
MSVOA_N
ClientSampleId :

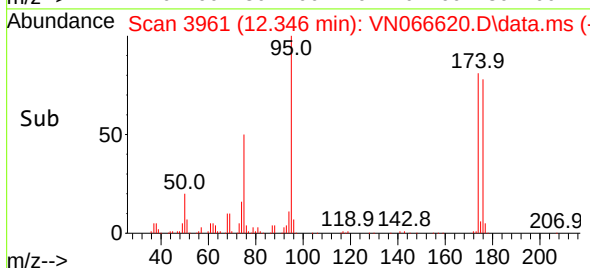
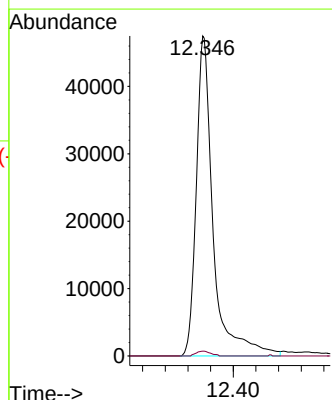
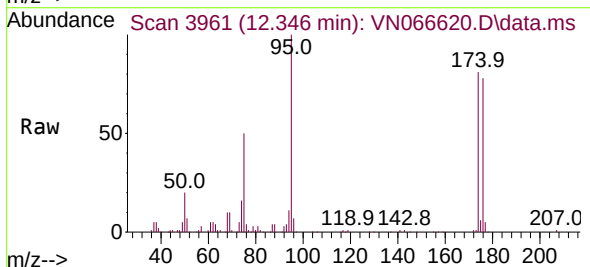


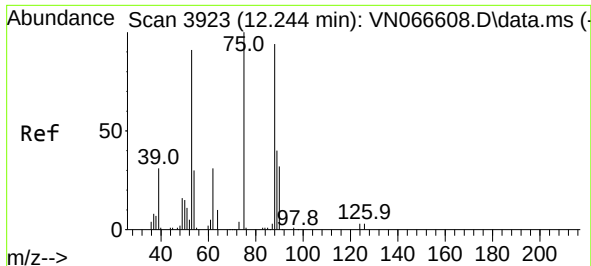
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 26.23 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 75 Resp: 97783
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

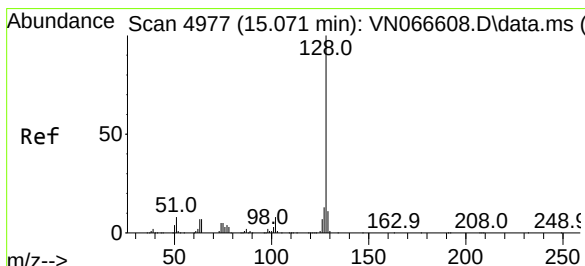
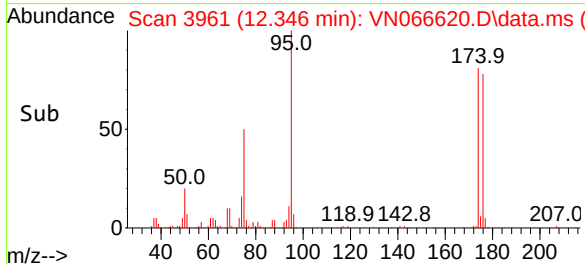
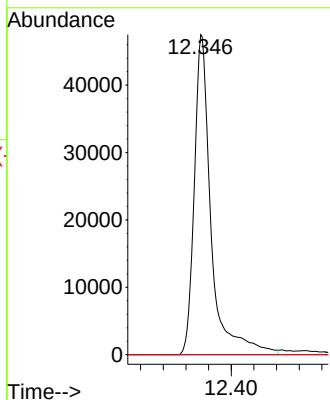
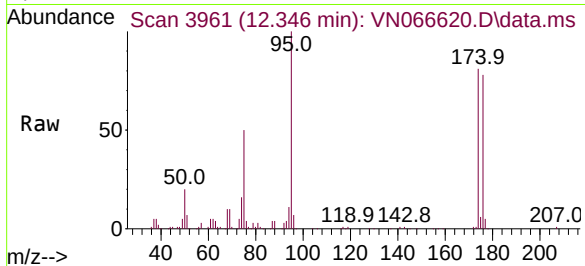




#81
trans-1,4-Dichloro-2-butene
Concen: 80.91 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 97783
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 0.53 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066620.D
Acq: 15 Apr 2021 18:42

Tgt Ion: 128 Resp: 4312
Ion Ratio Lower Upper
128 100
127 2.5 10.2 15.2#
129 3.6 8.6 13.0#

