

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030221\
 Data File : VN066111.D
 Acq On : 2 Mar 2021 20:13
 Operator : JC/MD
 Sample : M1507-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 03:56:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 02 14:05:08 2021
 Response via : Initial Calibration

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

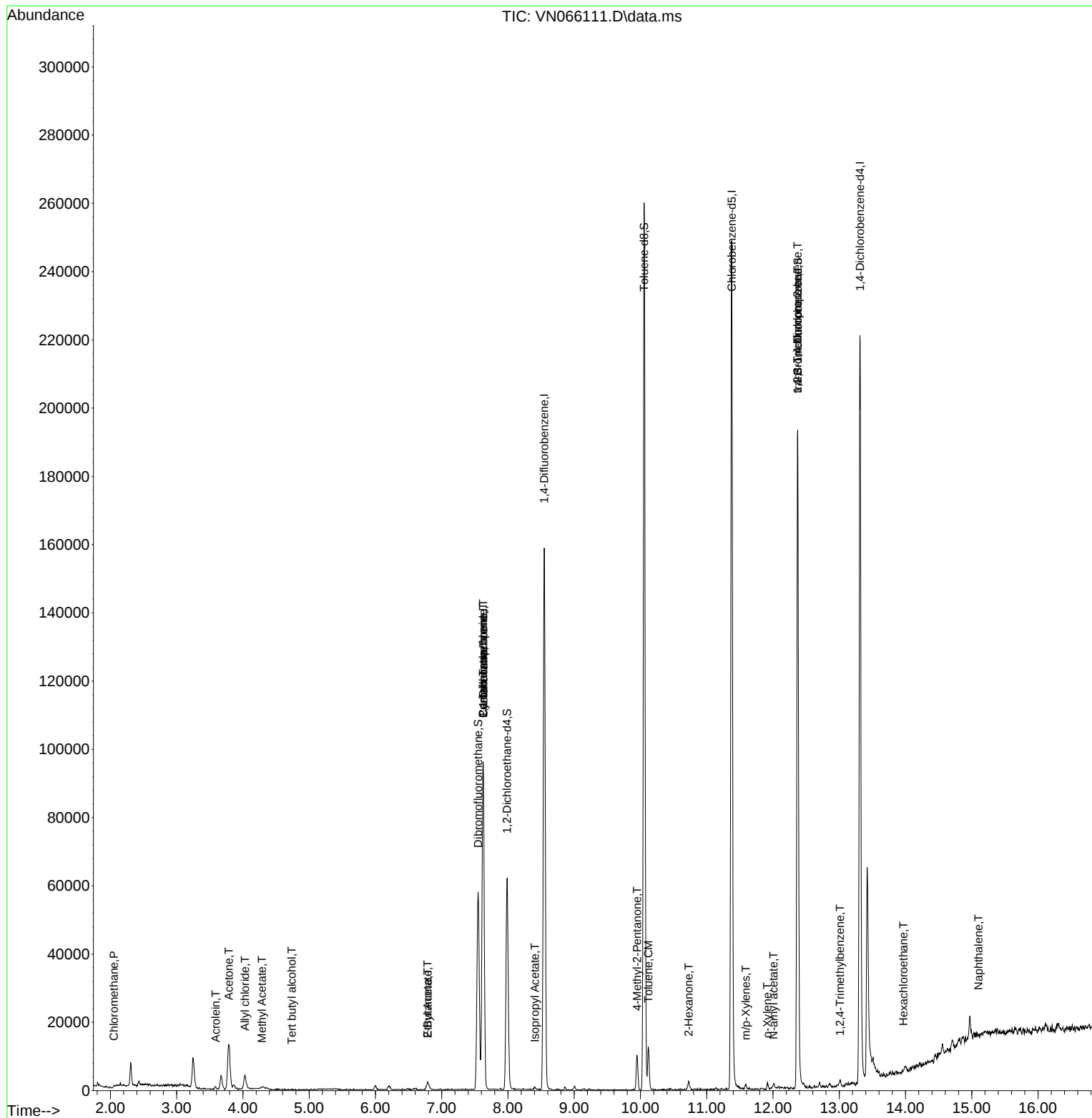
Internal Standards						
1) Pentafluorobenzene	7.624	168	76911	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.547	114	145276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	149840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	62912	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	59156	50.54	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	101.08%		
35) Dibromofluoromethane	7.550	113	45604	49.57	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.14%		
50) Toluene-d8	10.055	98	181347	50.61	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.22%		
62) 4-Bromofluorobenzene	12.373	95	76898	55.72	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.44%		
Target Compounds						Qvalue
3) Chloromethane	2.052	50	442	0.55	ug/l	# 42
11) Tert butyl alcohol	4.737	59	65	0.40	ug/l	# 73
13) Acrolein	3.589	56	666	8.65	ug/l	93
14) Allyl chloride	4.032	41	474	0.39	ug/l	# 55
16) Acetone	3.785	43	24453	69.90	ug/l	93
18) Methyl Acetate	4.287	43	404	0.54	ug/l	# 51
25) 2-Butanone	6.788	43	4207	9.07	ug/l	# 88
31) Cyclohexane	7.627	56	1554	1.11	ug/l	# 31
36) 1,1-Dichloropropene	7.624	75	5918	4.33	ug/l	# 45
37) Ethyl Acetate	6.788	43	4207	3.95	ug/l	# 68
38) Carbon Tetrachloride	7.624	117	8192	5.22	ug/l	# 12
43) Isopropyl Acetate	8.405	43	594	0.30	ug/l	# 53
51) 4-Methyl-2-Pentanone	9.949	43	7261	6.66	ug/l	99
52) Toluene	10.119	92	5847	2.25	ug/l	90
59) 2-Hexanone	10.727	43	2056	2.79	ug/l	85
68) m/p-Xylenes	11.592	106	691	0.32	ug/l	86
69) o-Xylene	11.916	106	480	0.23	ug/l	36
74) N-amyl acetate	12.010	43	1649	4.21	ug/l	# 42
76) 1,2,3-Trichloropropane	12.370	75	40526	29.18	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.370	75	40526	85.84	ug/l	# 12
84) 1,2,4-Trimethylbenzene	13.010	105	1749	0.39	ug/l	91
90) Hexachloroethane	13.968	117	546	0.84	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.257	75	29	Below Cal		# 1
95) Naphthalene	15.103	128	793	0.23	ug/l	# 69

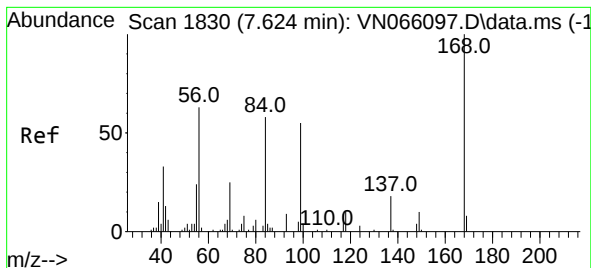
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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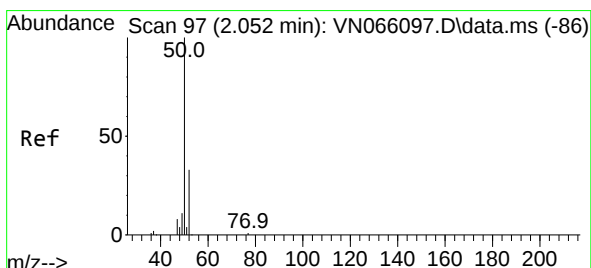
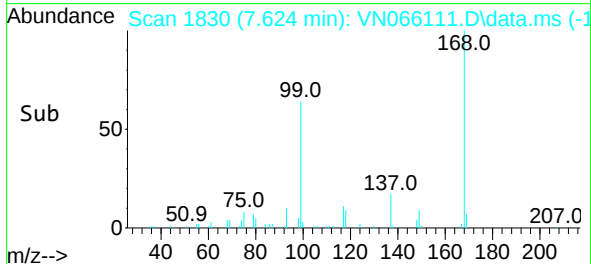
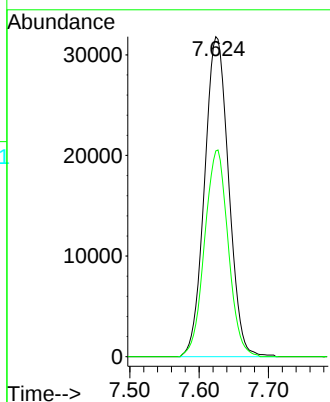
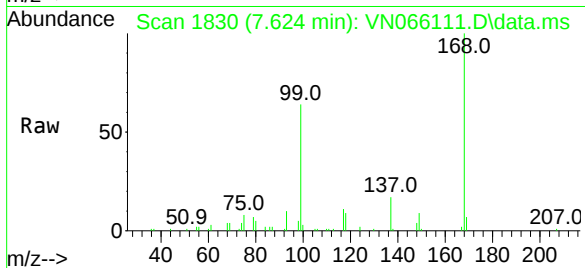




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

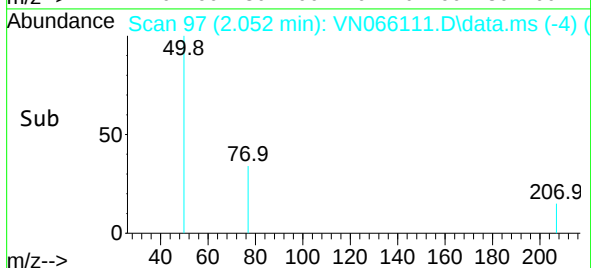
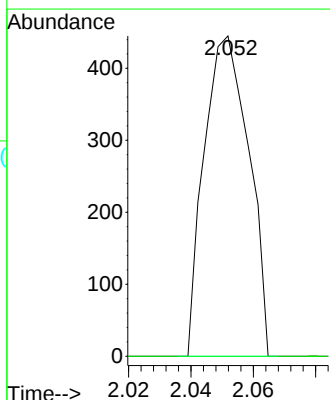
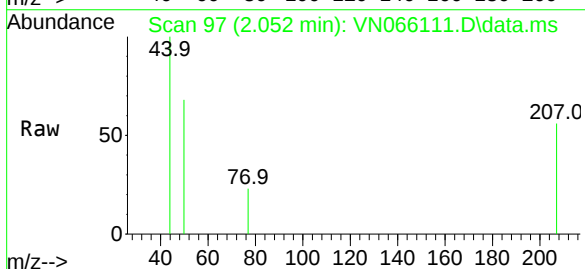
Instrument :
MSVOA_N
ClientSampled :

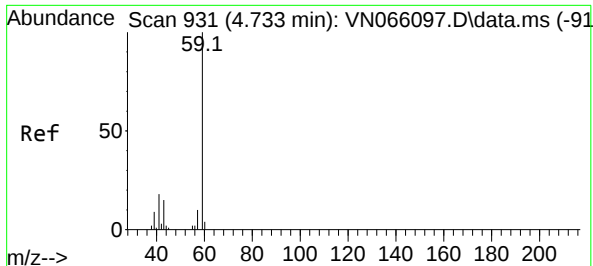
Tgt Ion:168 Resp: 76911
Ion Ratio Lower Upper
168 100
99 64.3 42.6 63.8#



#3
Chloromethane
Concen: 0.55 ug/l
RT: 2.052 min Scan# 97
Delta R.T. -0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

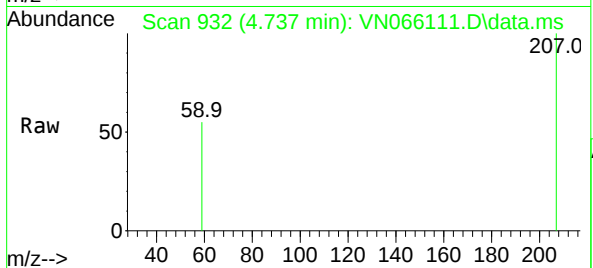
Tgt Ion: 50 Resp: 442
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



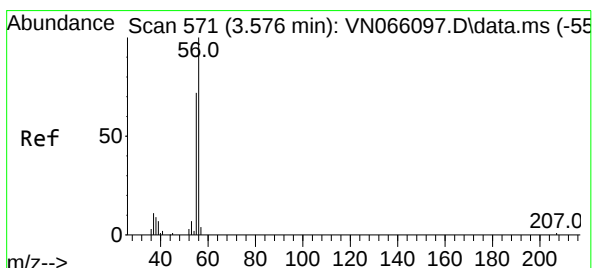
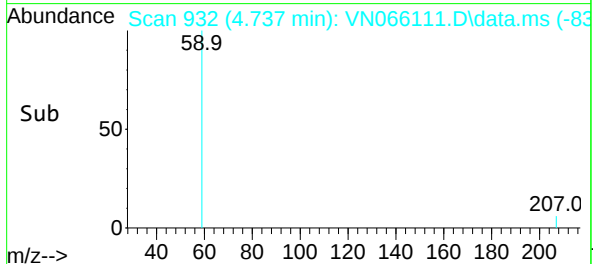
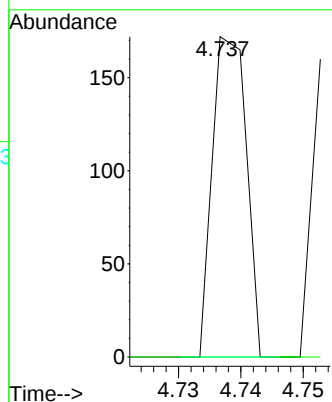


#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 4.737 min Scan# 932
Delta R.T. 0.004 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

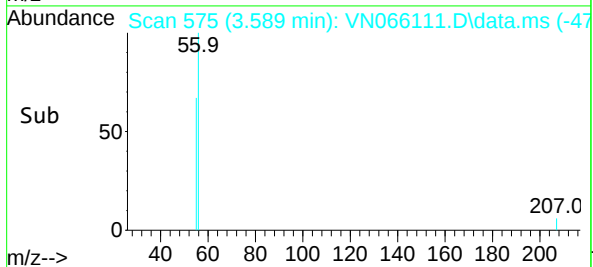
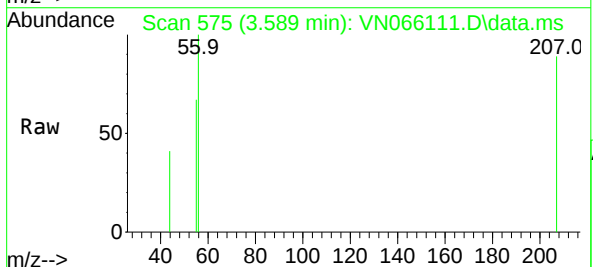
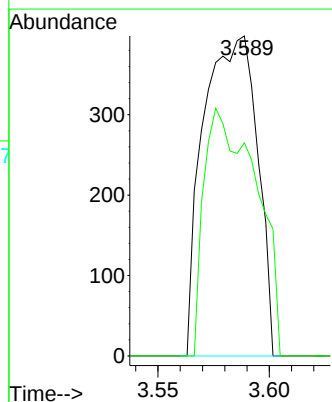


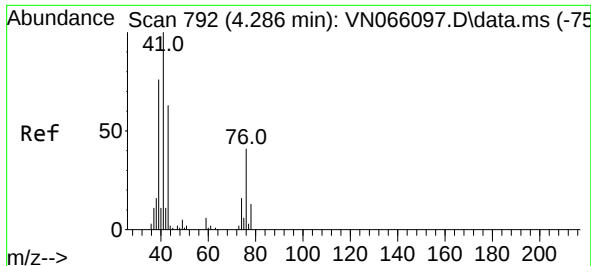
Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 8.65 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion: 56 Resp: 666
Ion Ratio Lower Upper
56 100
55 75.5 56.0 84.0





#14

Allyl chloride

Concen: 0.39 ug/l

RT: 4.032 min Scan# 713

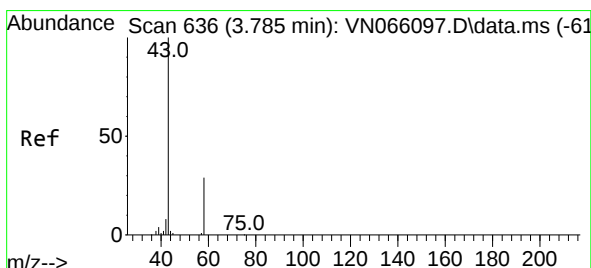
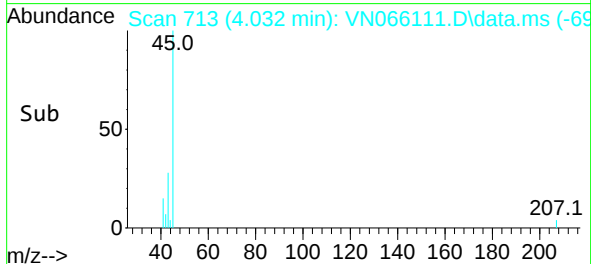
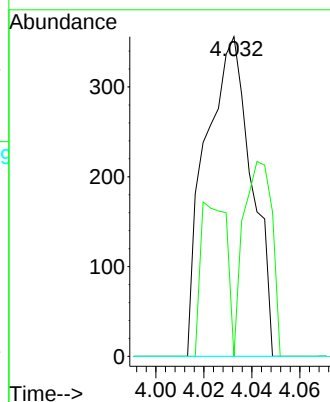
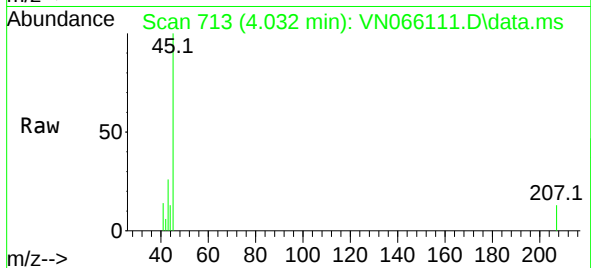
Delta R.T. -0.253 min

Lab File: VN066111.D

Acq: 2 Mar 2021 20:13

Tgt Ion:	41	Resp:	474
Ion	Ratio	Lower	Upper
41	100		
39	37.6	53.0	79.4#
76	0.0	28.9	43.3#

Instrument :
MSVOA_N
ClientSampled :



#16

Acetone

Concen: 69.90 ug/l

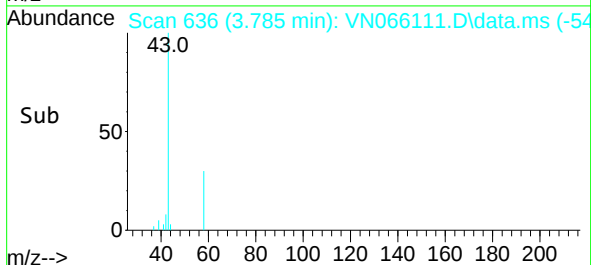
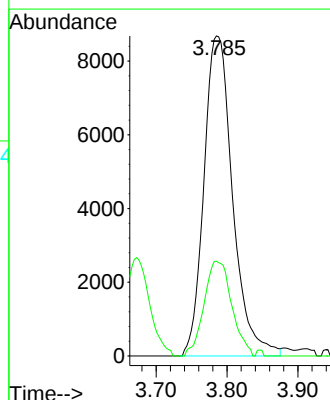
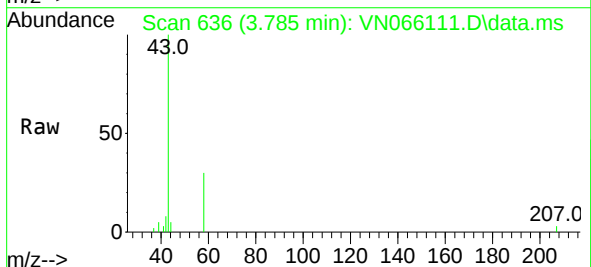
RT: 3.785 min Scan# 636

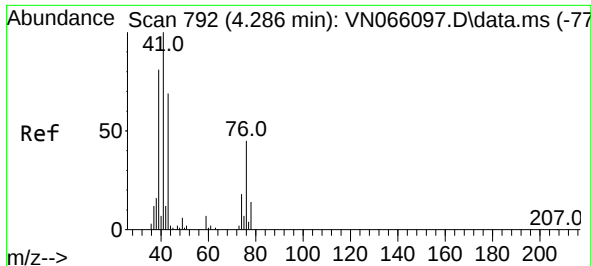
Delta R.T. -0.000 min

Lab File: VN066111.D

Acq: 2 Mar 2021 20:13

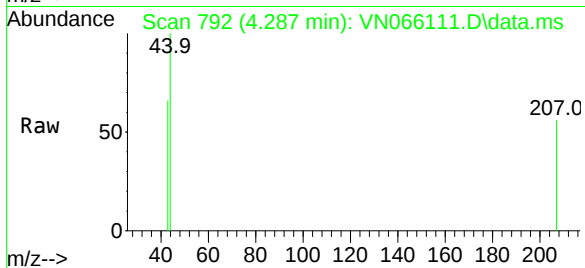
Tgt Ion:	43	Resp:	24453
Ion	Ratio	Lower	Upper
43	100		
58	29.6	27.0	40.6



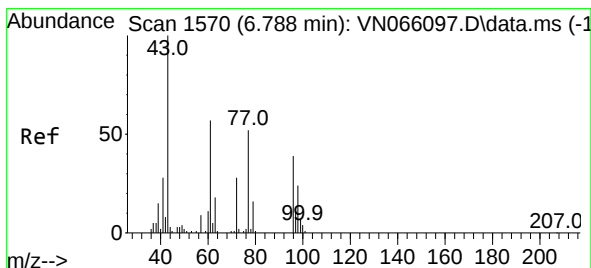
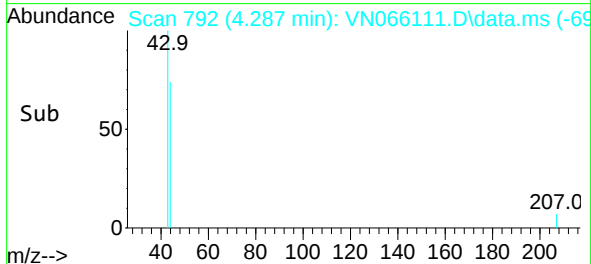
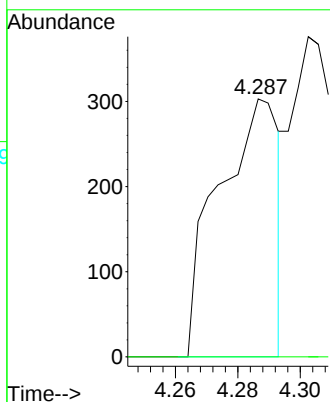


#18
Methyl Acetate
Concen: 0.54 ug/l
RT: 4.287 min Scan# 792
Delta R.T. 0.001 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Instrument :
MSVOA_N
ClientSampled :

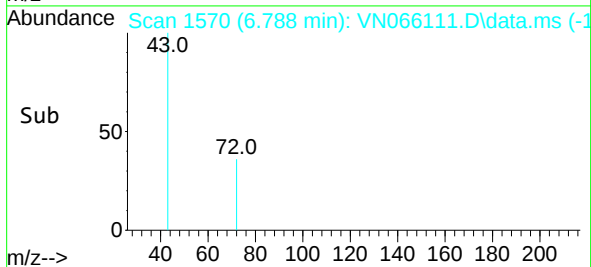
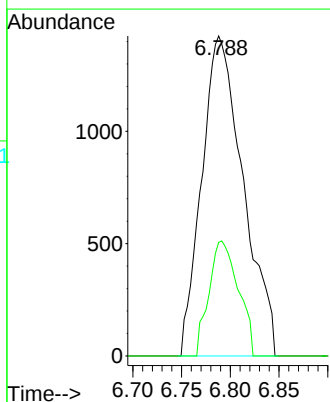
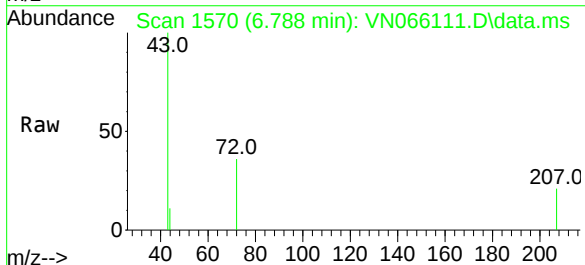


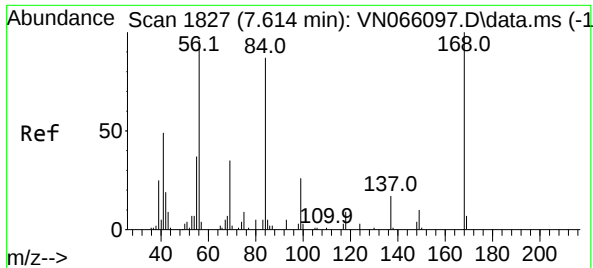
Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#25
2-Butanone
Concen: 9.07 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion: 43 Resp: 4207
Ion Ratio Lower Upper
43 100
72 35.5 23.1 34.7#

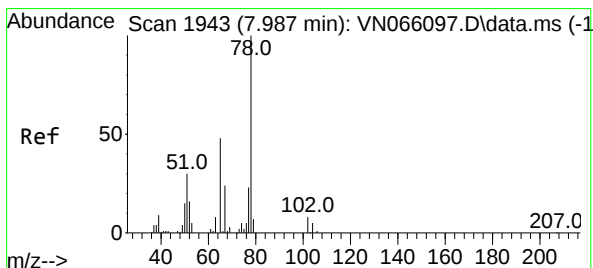
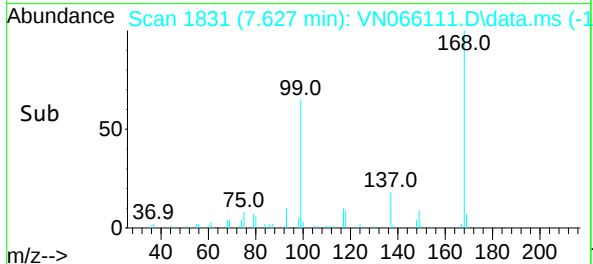
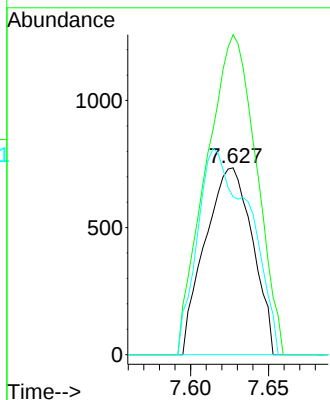
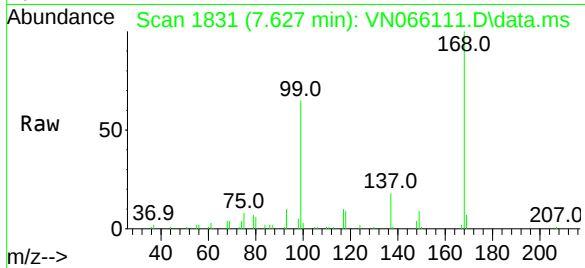




#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.013 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

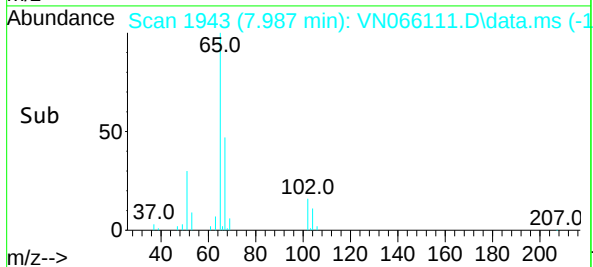
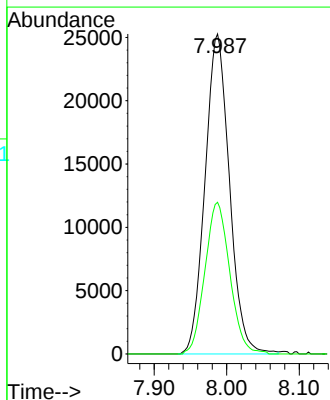
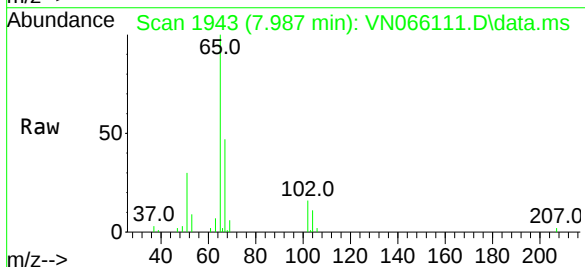
Instrument :
MSVOA_N
ClientSampled :

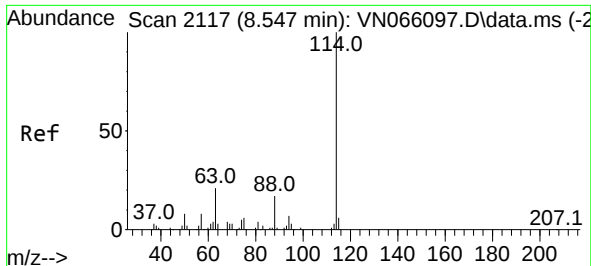
Tgt Ion: 56 Resp: 1554
Ion Ratio Lower Upper
56 100
69 171.3 26.6 39.8#
84 84.5 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 50.54 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

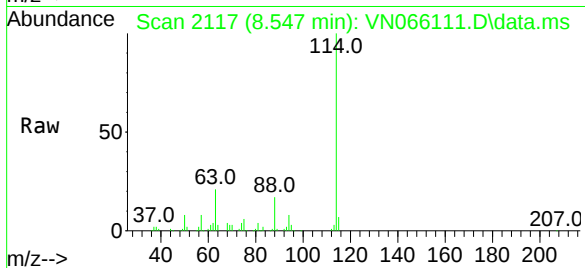
Tgt Ion: 65 Resp: 59156
Ion Ratio Lower Upper
65 100
67 48.3 0.0 107.2



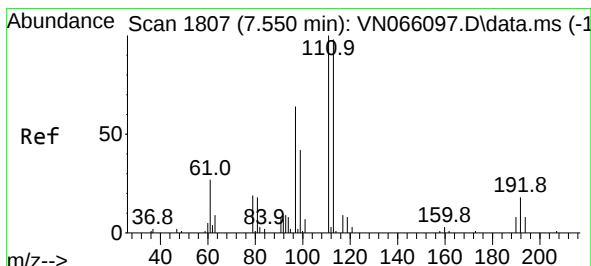
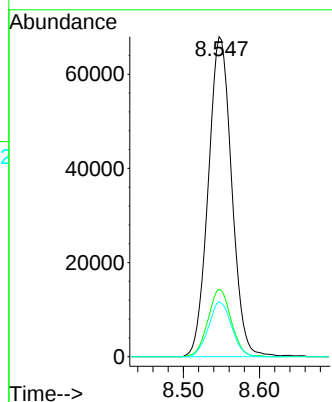
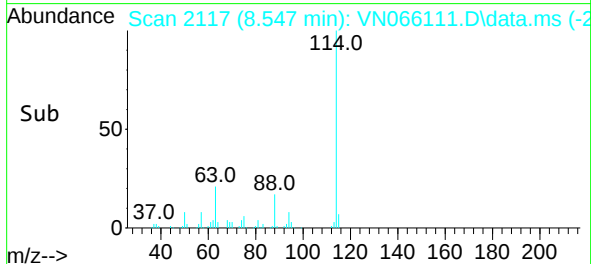


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

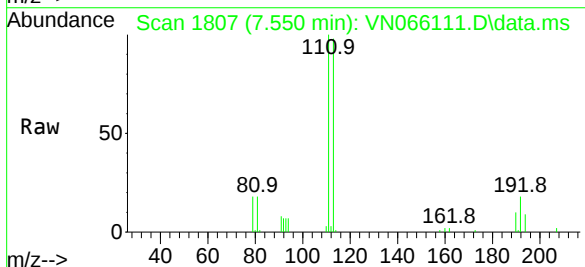
Instrument :
MSVOA_N
ClientSampleId :



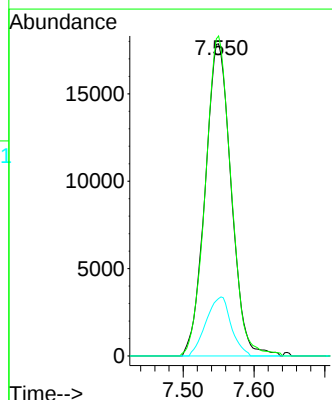
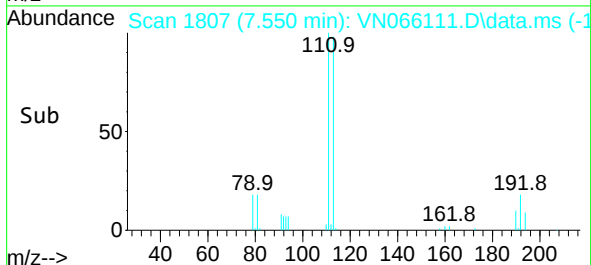
Tgt Ion:114 Resp: 145276
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.6
88 17.1 0.0 30.6

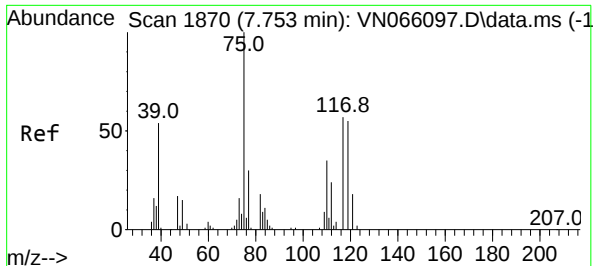


#35
Dibromofluoromethane
Concen: 49.57 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13



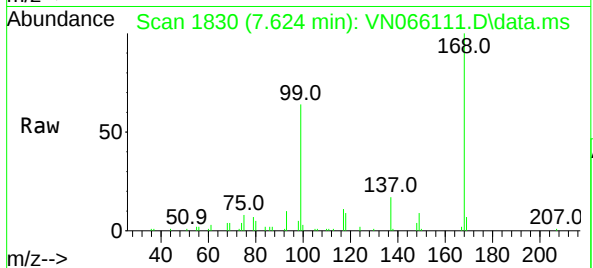
Tgt Ion:113 Resp: 45604
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.2
192 18.2 15.4 23.0



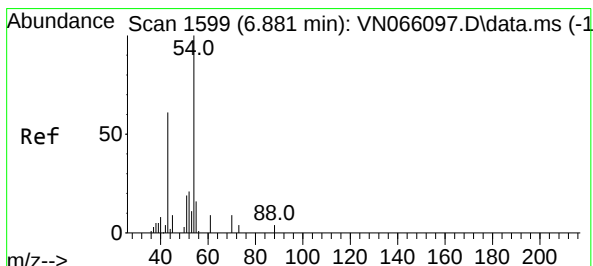
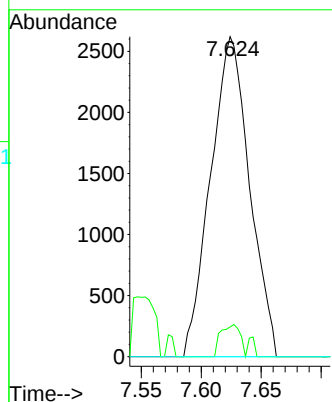
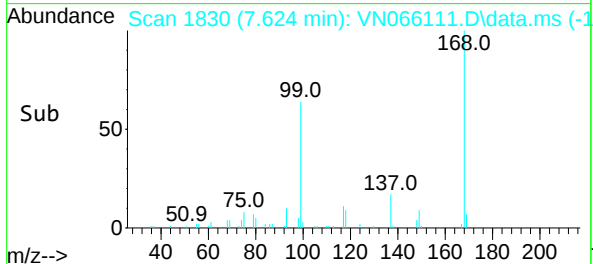


#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

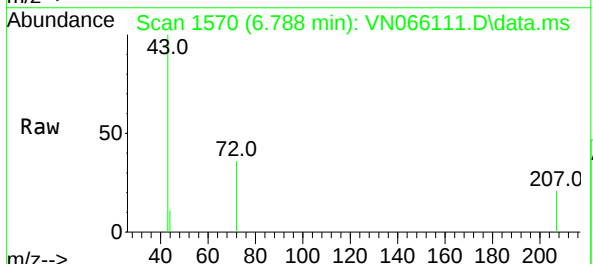
Instrument :
MSVOA_N
ClientSampled :



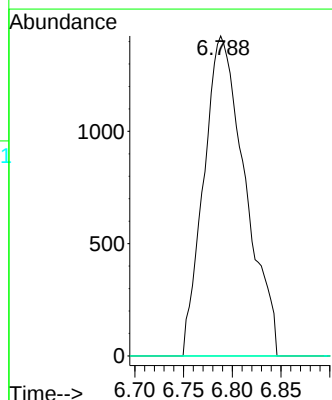
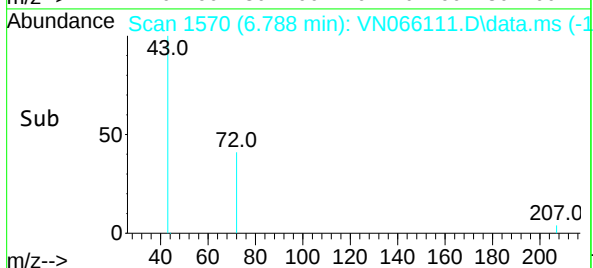
Tgt Ion: 75 Resp: 5918
Ion Ratio Lower Upper
75 100
110 5.0 18.2 54.6#
77 0.0 24.9 37.3#

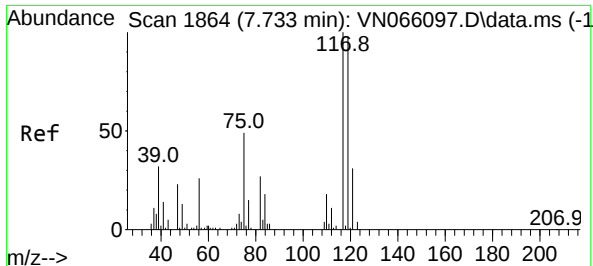


#37
Ethyl Acetate
Concen: 3.95 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. -0.093 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13



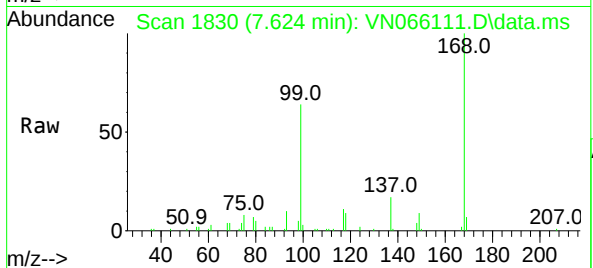
Tgt Ion: 43 Resp: 4207
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



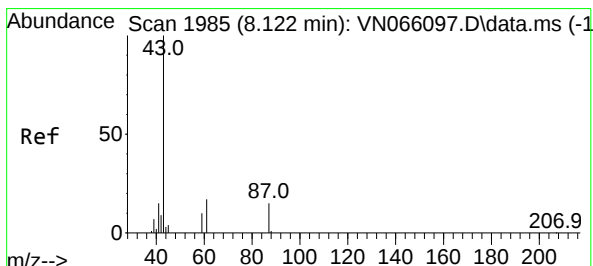
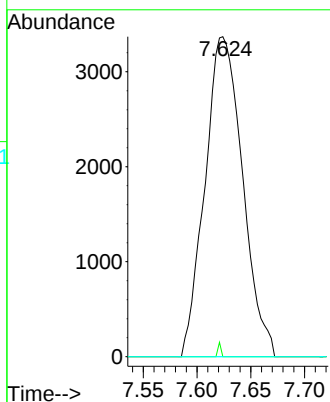
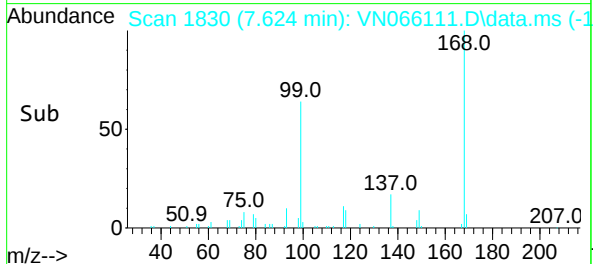


#38
Carbon Tetrachloride
Concen: 5.22 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.109 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

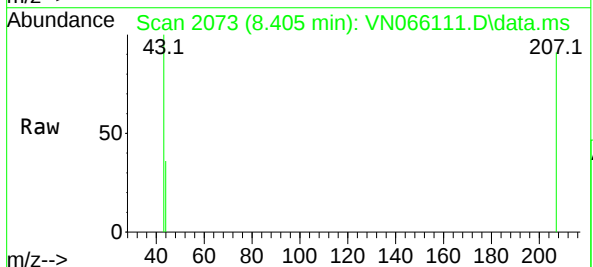
Instrument :
MSVOA_N
ClientSampled :



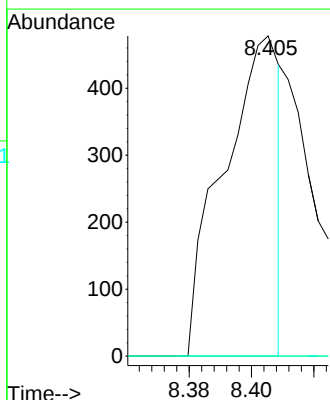
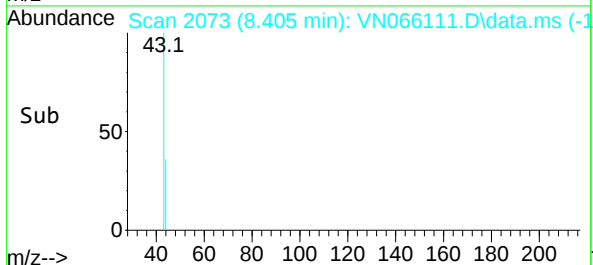
Tgt Ion: 117 Resp: 8192
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.5 36.7#

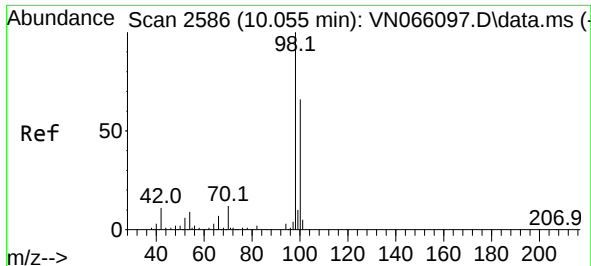


#43
Isopropyl Acetate
Concen: 0.30 ug/l
RT: 8.405 min Scan# 2073
Delta R.T. 0.283 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13



Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
61 0.0 22.5 33.7#
87 0.0 11.1 16.7#

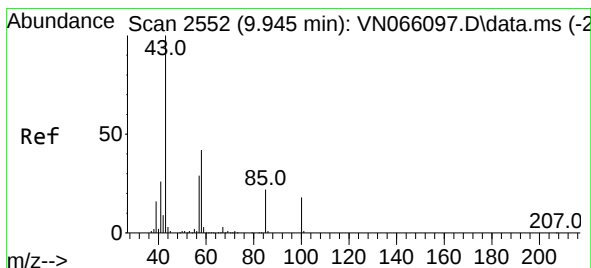
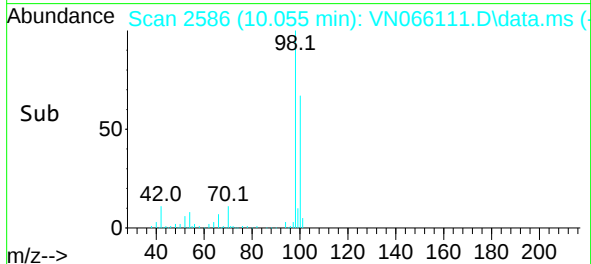
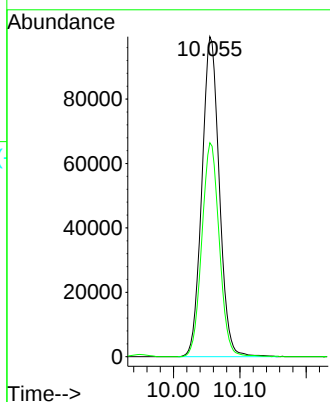
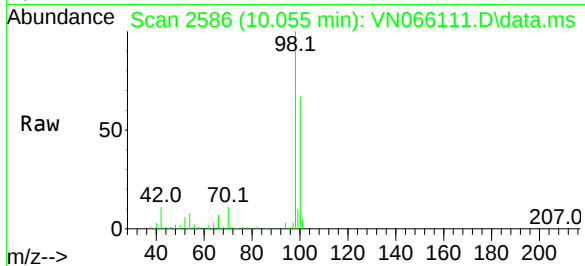




#50
Toluene-d8
Concen: 50.61 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

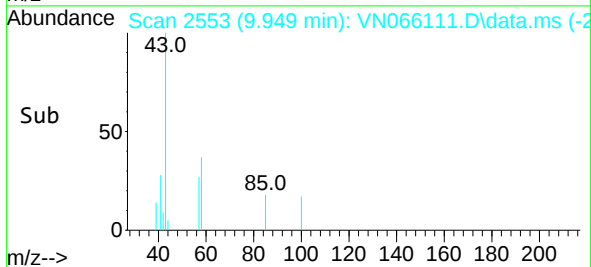
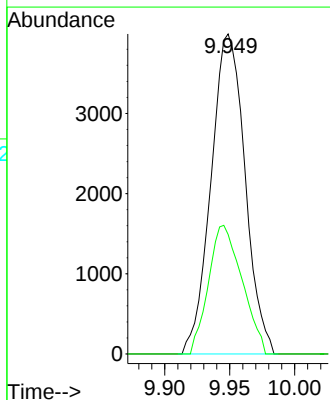
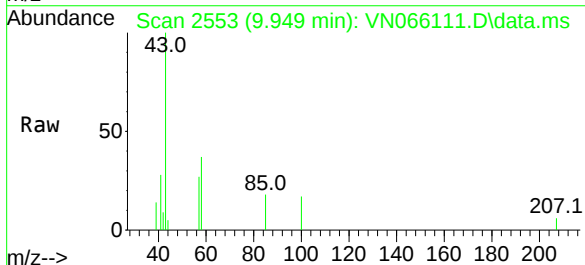
Instrument :
MSVOA_N
ClientSampled :

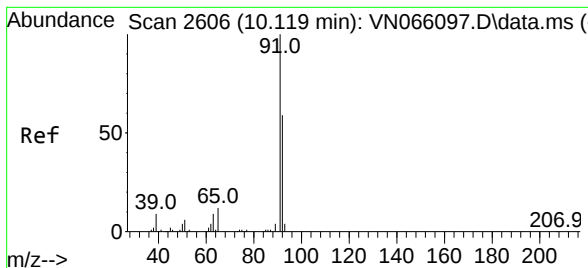
Tgt Ion: 98 Resp: 181347
Ion Ratio Lower Upper
98 100
100 66.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 6.66 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. 0.004 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion: 43 Resp: 7261
Ion Ratio Lower Upper
43 100
58 39.7 32.5 48.7





#52

Toluene

Concen: 2.25 ug/l

RT: 10.119 min Scan# 2606

Delta R.T. 0.000 min

Lab File: VN066111.D

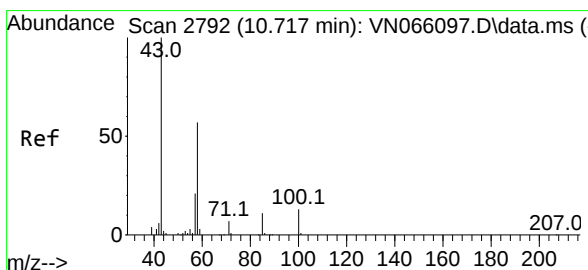
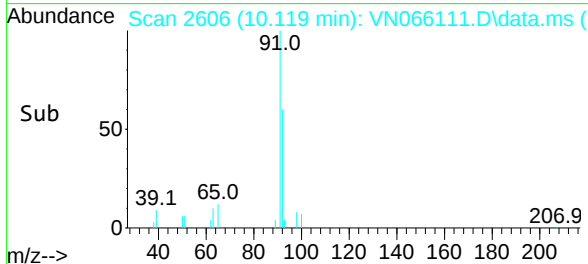
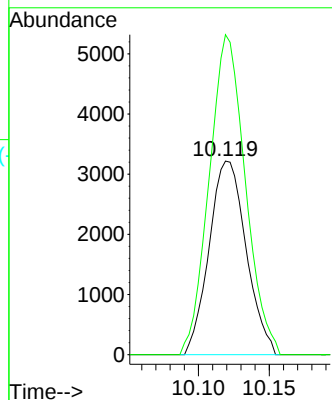
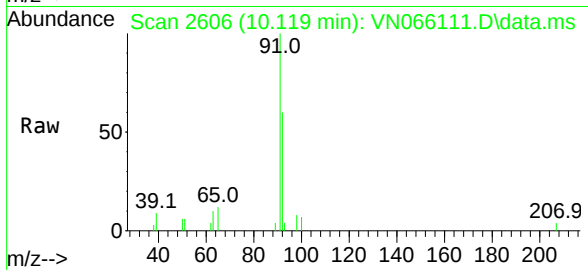
Acq: 2 Mar 2021 20:13

Tgt Ion: 92 Resp: 5847

Ion Ratio Lower Upper

92 100

91 161.3 140.7 211.1



#59

2-Hexanone

Concen: 2.79 ug/l

RT: 10.727 min Scan# 2795

Delta R.T. 0.010 min

Lab File: VN066111.D

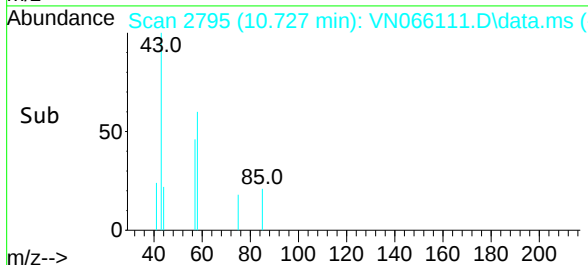
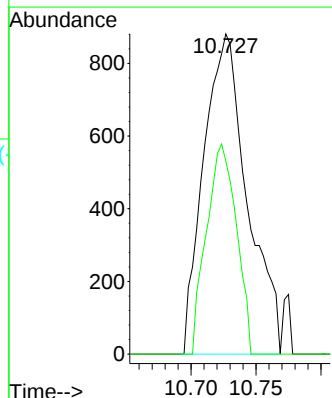
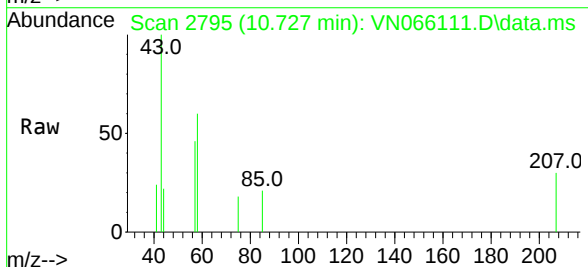
Acq: 2 Mar 2021 20:13

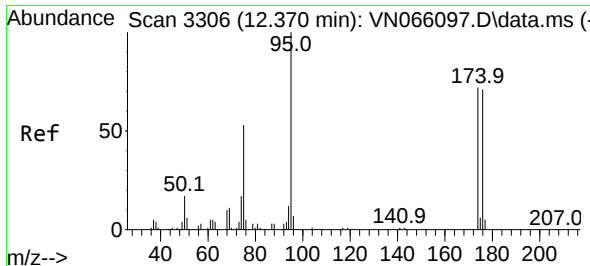
Tgt Ion: 43 Resp: 2056

Ion Ratio Lower Upper

43 100

58 45.0 28.1 84.3

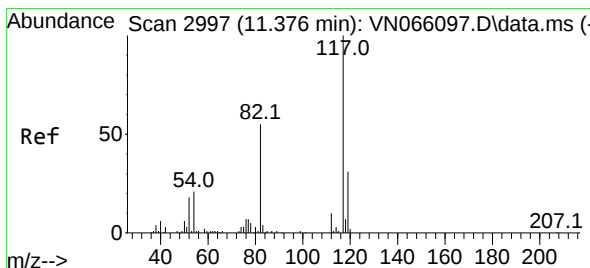
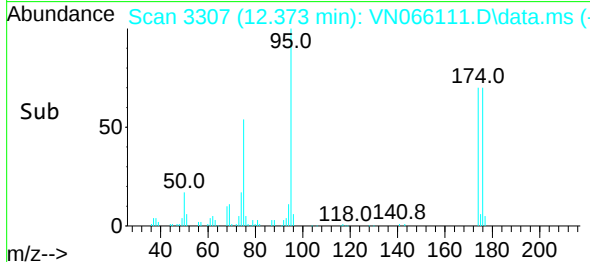
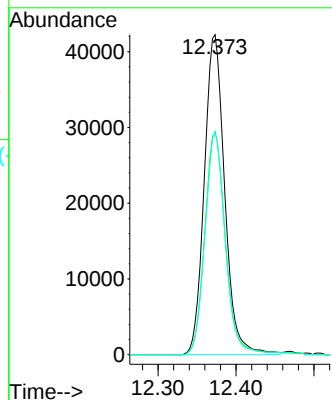
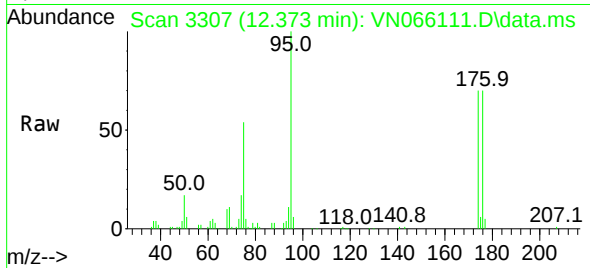




#62
4-Bromofluorobenzene
Concen: 55.72 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

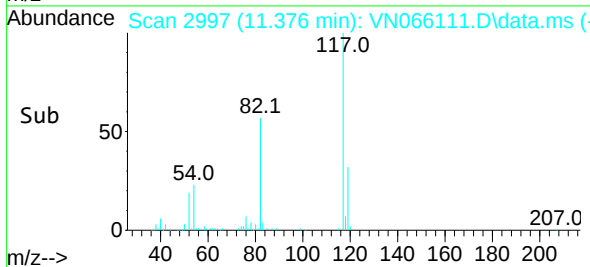
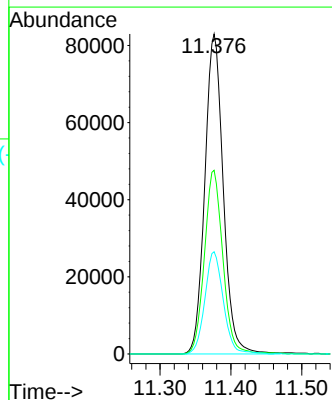
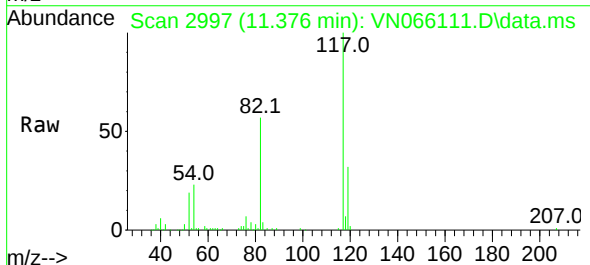
Instrument :
MSVOA_N
ClientSampleId :

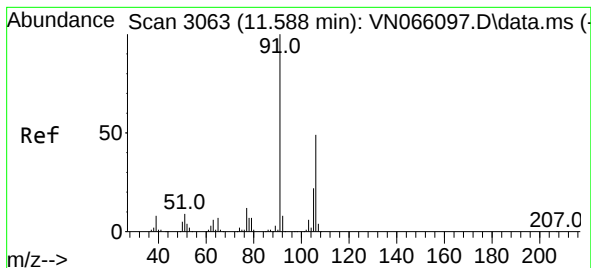
Tgt Ion: 95 Resp: 76898
Ion Ratio Lower Upper
95 100
174 70.2 0.0 169.0
176 68.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion: 117 Resp: 149840
Ion Ratio Lower Upper
117 100
82 57.4 43.7 65.5
119 31.9 26.1 39.1

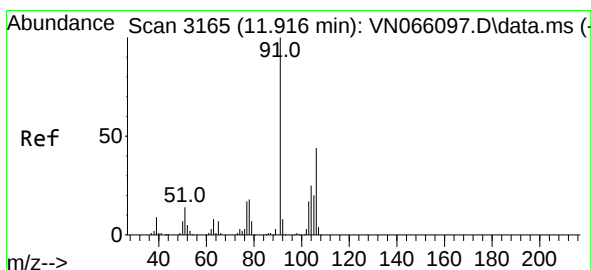
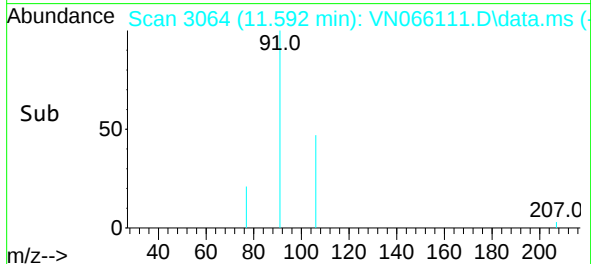
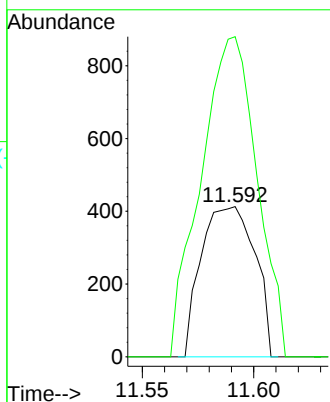
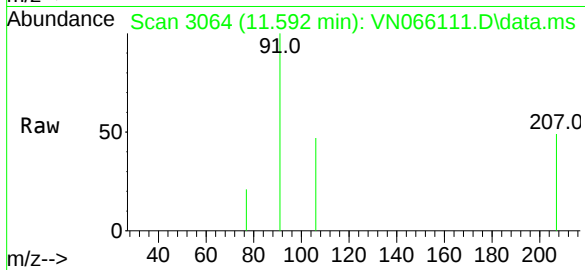




#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. 0.004 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

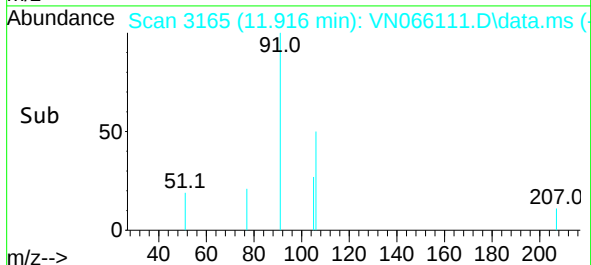
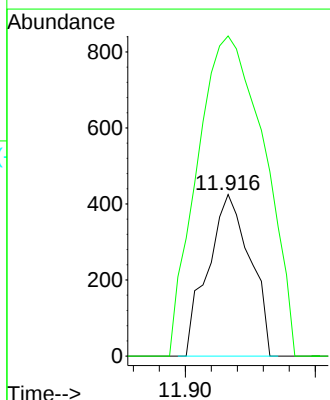
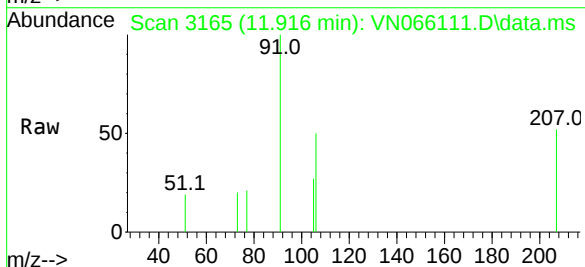
Instrument :
MSVOA_N
ClientSampleId :

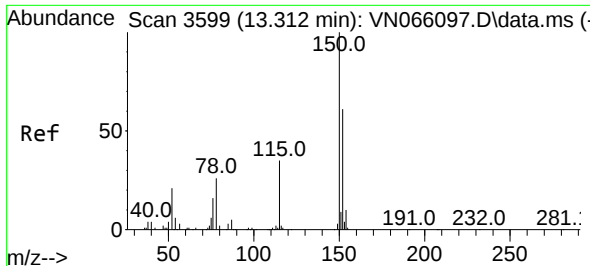
Tgt Ion:106 Resp: 691
Ion Ratio Lower Upper
106 100
91 223.0 161.4 242.0



#69
o-Xylene
Concen: 0.23 ug/l
RT: 11.916 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion:106 Resp: 480
Ion Ratio Lower Upper
106 100
91 314.4 106.8 320.4

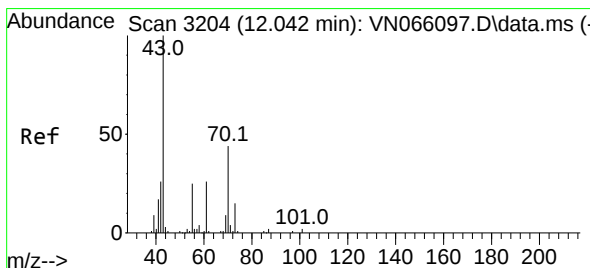
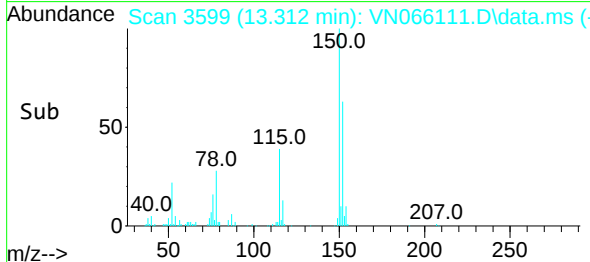
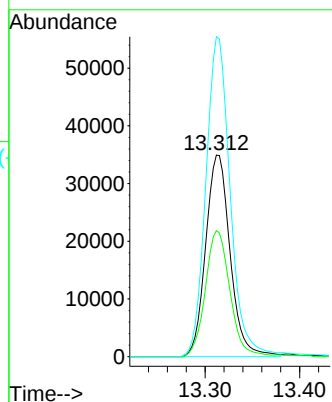
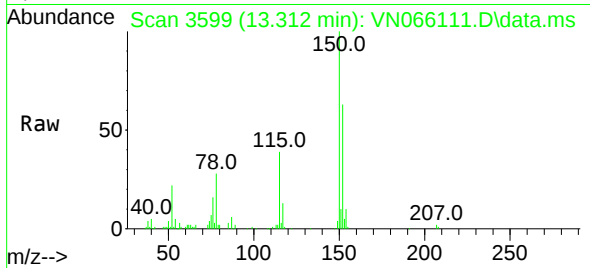




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

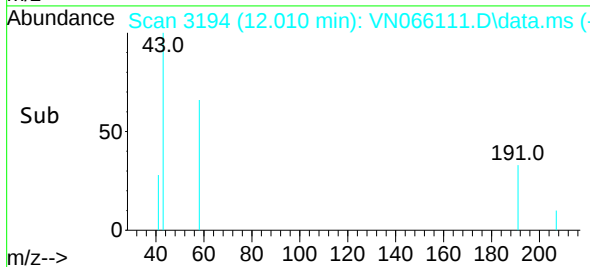
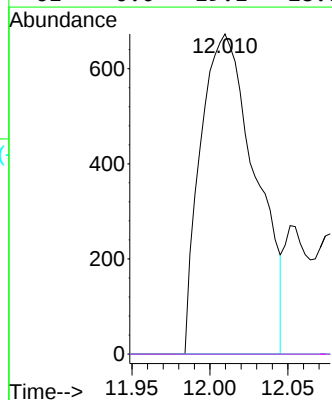
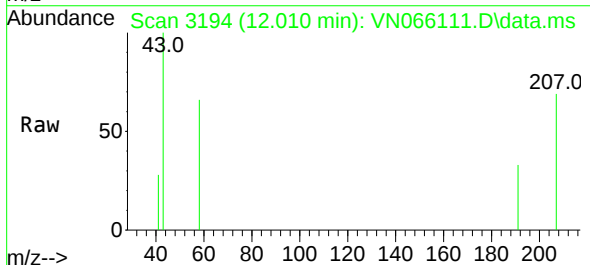
Instrument :
MSVOA_N
ClientSampled :

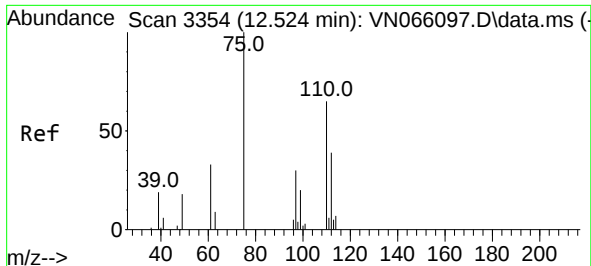
Tgt Ion:152 Resp: 62912
Ion Ratio Lower Upper
152 100
115 62.6 28.5 85.6
150 159.5 0.0 347.6



#74
N-ethyl acetate
Concen: 4.21 ug/l
RT: 12.010 min Scan# 3194
Delta R.T. -0.032 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion: 43 Resp: 1649
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#

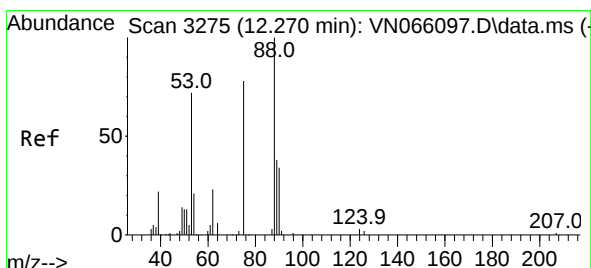
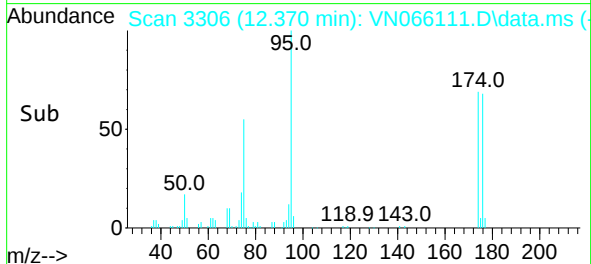
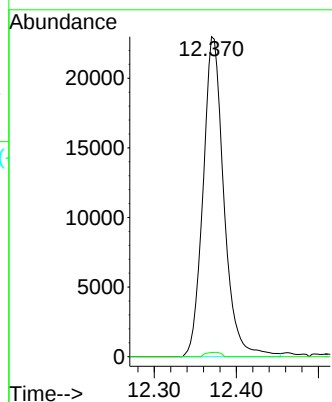
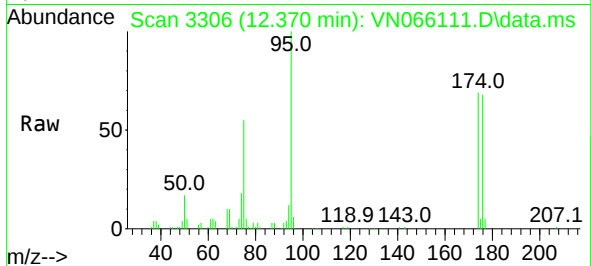




#76
1,2,3-Trichloropropane
Concen: 29.18 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.154 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

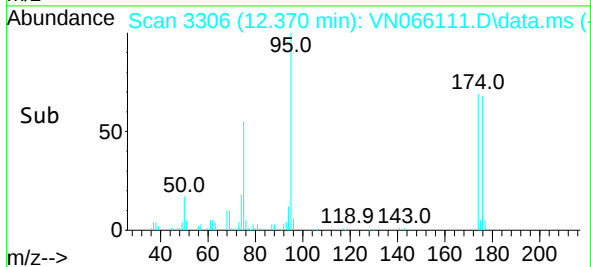
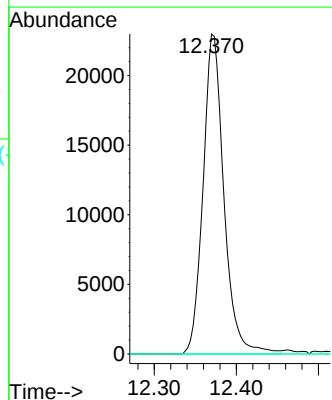
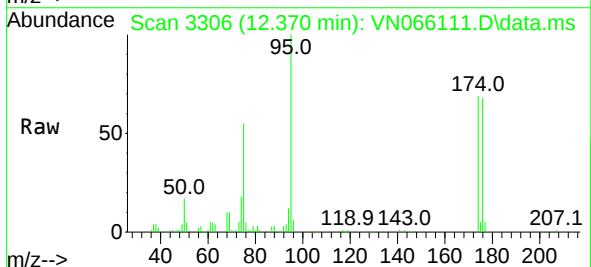
Instrument :
MSVOA_N
ClientSampled :

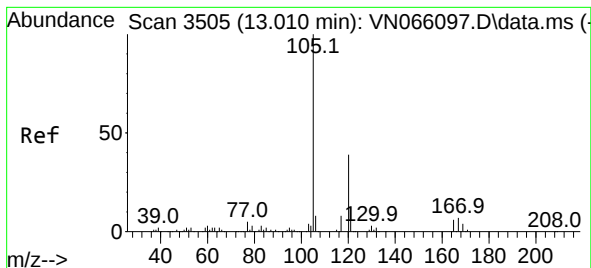
Tgt Ion: 75 Resp: 40526
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.84 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.100 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion: 75 Resp: 40526
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: 0.39 ug/l

RT: 13.010 min Scan# 3505

Delta R.T. -0.000 min

Lab File: VN066111.D

Acq: 2 Mar 2021 20:13

Instrument :

MSVOA_N

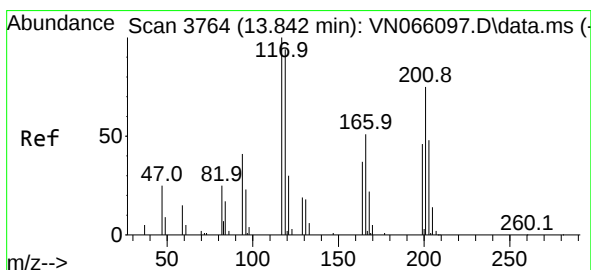
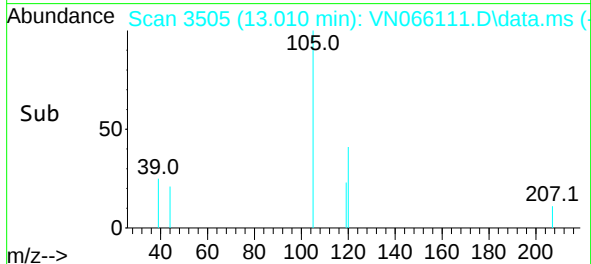
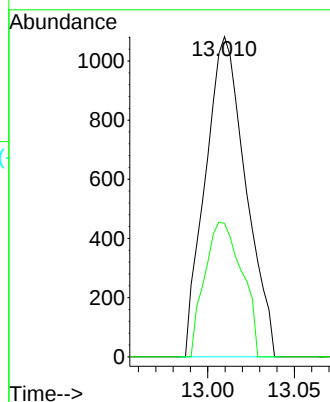
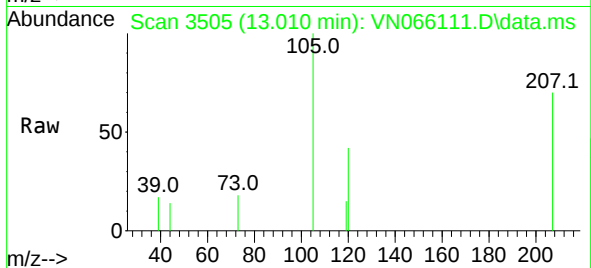
ClientSampled :

Tgt Ion:105 Resp: 1749

Ion Ratio Lower Upper

105 100

120 38.9 22.4 67.0



#90

Hexachloroethane

Concen: 0.84 ug/l

RT: 13.968 min Scan# 3803

Delta R.T. 0.126 min

Lab File: VN066111.D

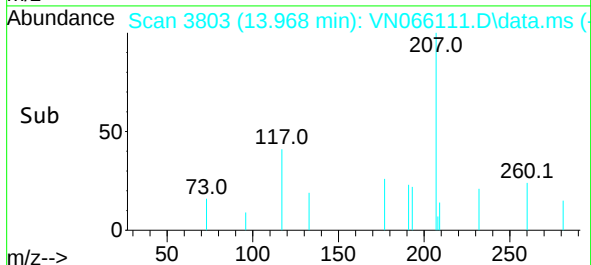
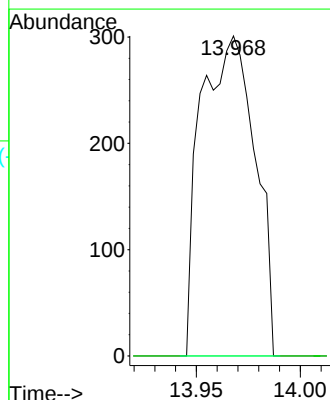
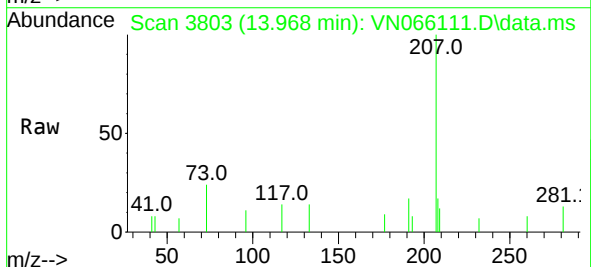
Acq: 2 Mar 2021 20:13

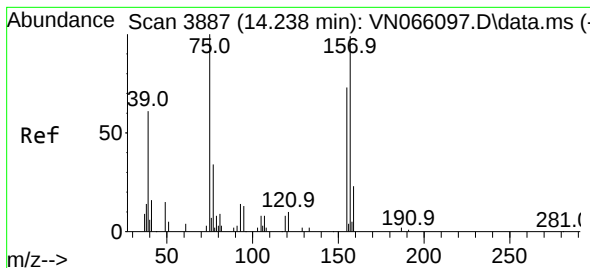
Tgt Ion:117 Resp: 546

Ion Ratio Lower Upper

117 100

201 0.0 37.8 113.3#

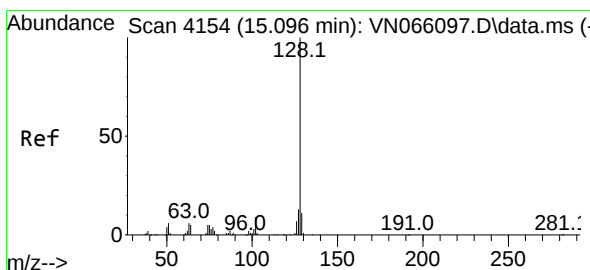
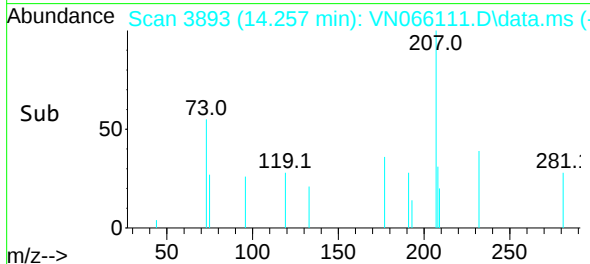
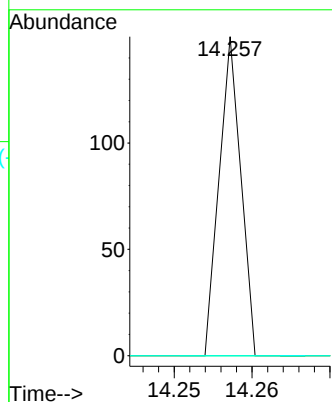
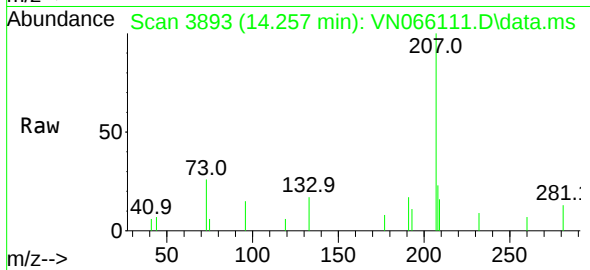




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.257 min Scan# 3893
Delta R.T. 0.019 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 0.23 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN066111.D
Acq: 2 Mar 2021 20:13

Tgt Ion: 128 Resp: 793
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

