

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
 Data File : VN066616.D
 Acq On : 15 Apr 2021 17:07
 Operator : JC/MD
 Sample : M2043-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 07:52:52 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)

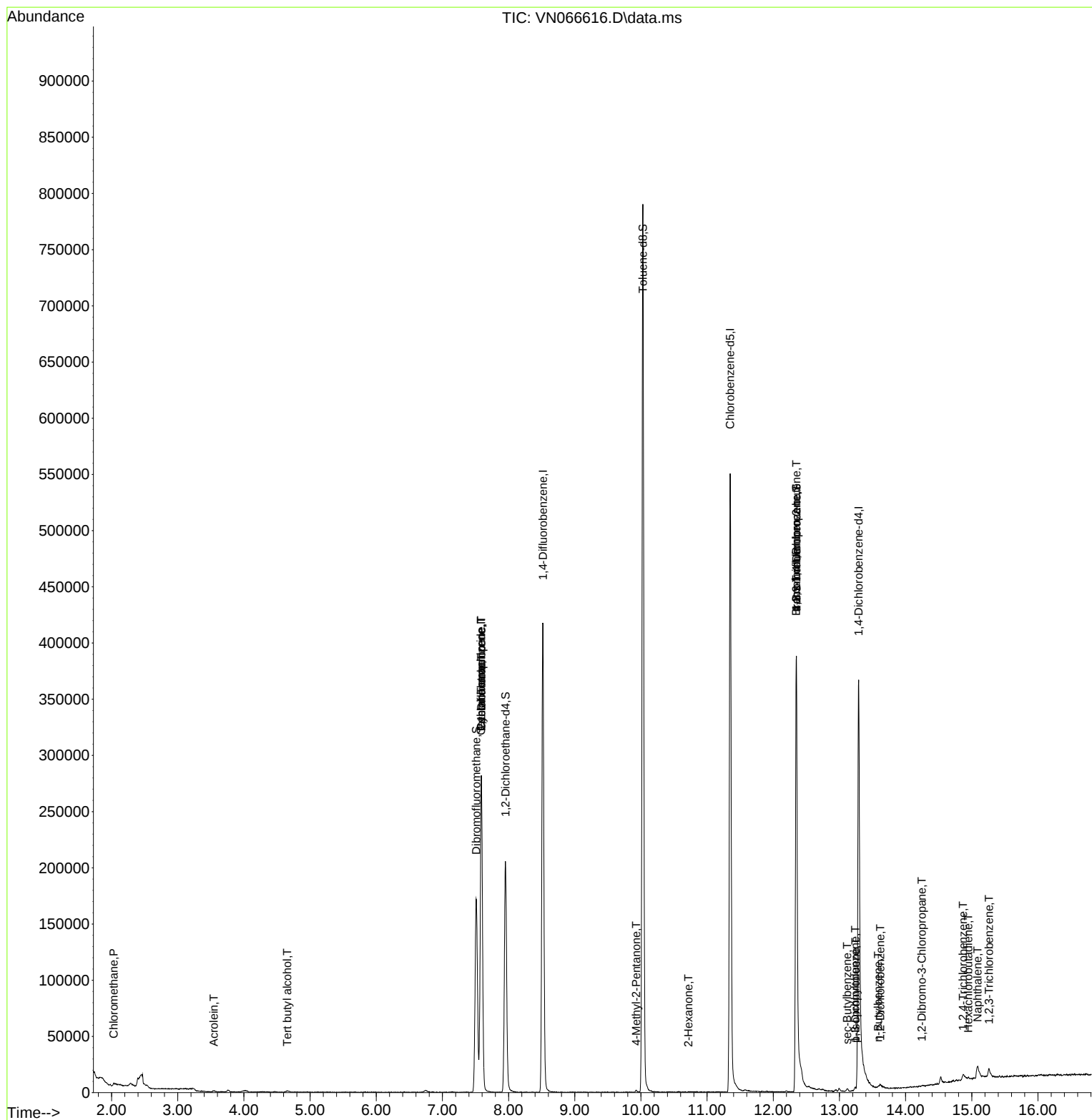
Internal Standards						
1) Pentafluorobenzene	7.588	168	237169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	374534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	334717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	125596	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	177705	49.67	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.34%			
35) Dibromofluoromethane	7.511	113	137104	52.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.58%			
50) Toluene-d8	10.029	98	543255	53.37	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.74%			
62) 4-Bromofluorobenzene	12.349	95	169259	47.29	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.58%			
Target Compounds						Qvalue
3) Chloromethane	2.031	50	1325	0.32	ug/l	96
11) Tert butyl alcohol	4.654	59	1255	2.19	ug/l #	73
13) Acrolein	3.544	56	991	3.24	ug/l	96
16) Acetone	3.761	43	2740	Below Cal		89
31) Cyclohexane	7.588	56	5135	1.00	ug/l #	14
36) 1,1-Dichloropropene	7.588	75	18402	4.87	ug/l #	47
38) Carbon Tetrachloride	7.586	117	21393	6.05	ug/l #	17
51) 4-Methyl-2-Pentanone	9.930	43	1937	0.46	ug/l #	74
59) 2-Hexanone	10.718	43	375	4.99	ug/l #	23
71) Bromoform	12.346	173	1025	0.51	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	80539	27.42	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	80539	84.48	ug/l #	12
85) sec-Butylbenzene	13.116	105	1950	0.21	ug/l	80
86) p-Isopropyltoluene	13.242	119	1891	0.25	ug/l #	76
87) 1,3-Dichlorobenzene	13.237	146	981	0.24	ug/l #	62
88) 1,4-Dichlorobenzene	13.312	146	1808	Below Cal	#	55
89) n-Butylbenzene	13.585	91	1262	0.20	ug/l #	38
91) 1,2-Dichlorobenzene	13.617	146	874	0.21	ug/l #	68
92) 1,2-Dibromo-3-Chloropr...	14.245	75	266	0.44	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.867	180	2789	1.20	ug/l	97
94) Hexachlorobutadiene	14.948	225	431	0.33	ug/l #	29
95) Naphthalene	15.087	128	18389	2.87	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.259	180	4366	1.82	ug/l	94

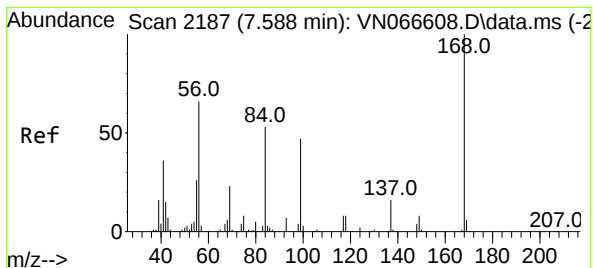
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 16 07:52:52 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

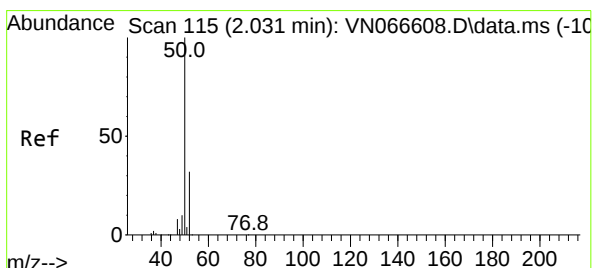
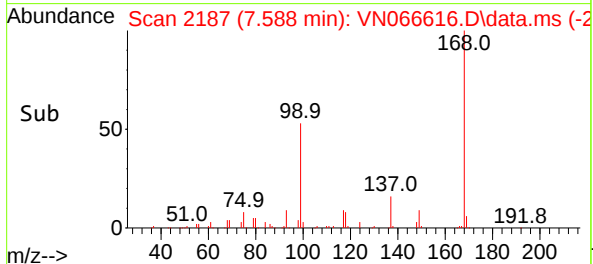
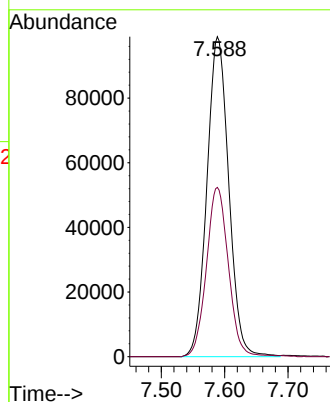
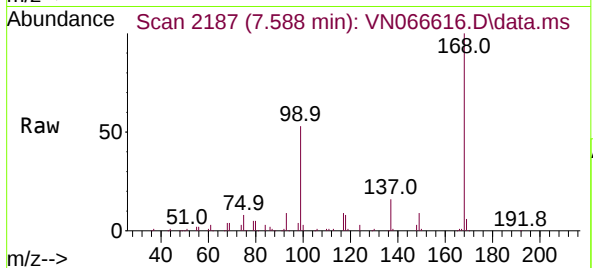




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

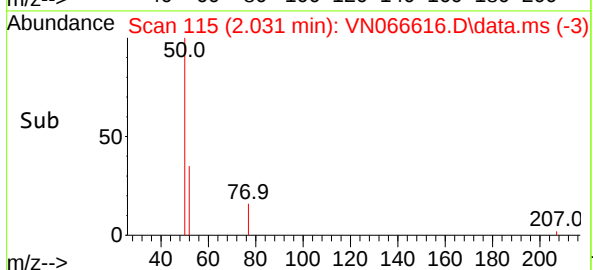
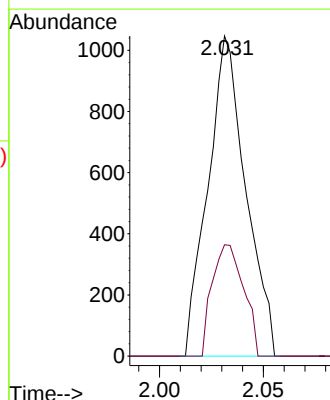
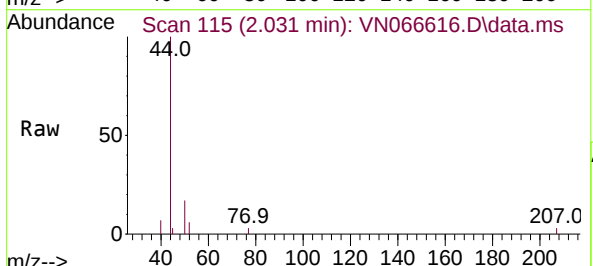
Instrument :
MSVOA_N
ClientSampled :

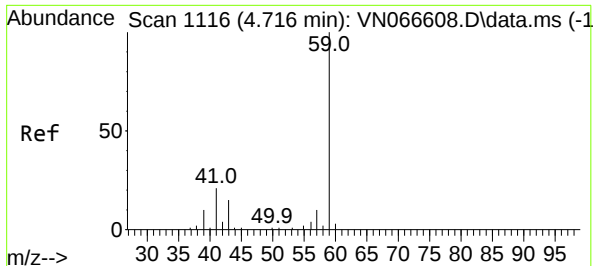
Tgt Ion:168 Resp: 237169
Ion Ratio Lower Upper
168 100
99 52.9 42.6 63.8



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.031 min Scan# 115
Delta R.T. 0.000 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion: 50 Resp: 1325
Ion Ratio Lower Upper
50 100
52 34.8 25.8 38.8



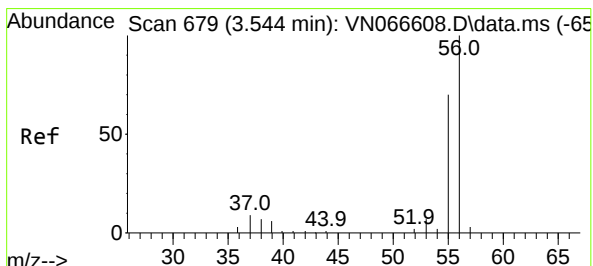
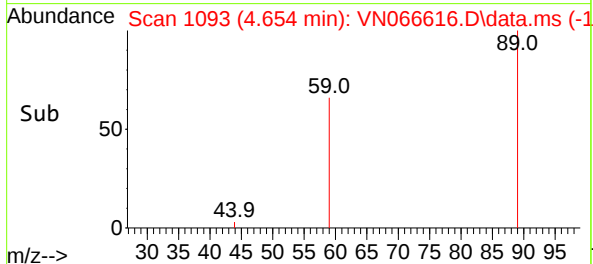
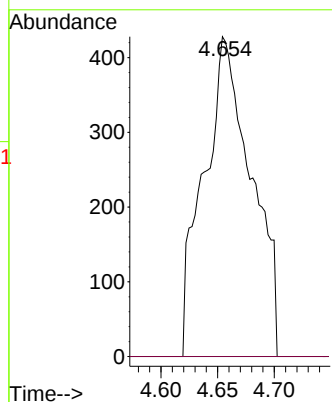
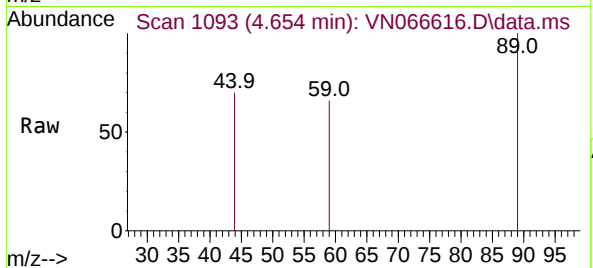


#11

Tert butyl alcohol
Concen: 2.19 ug/l
RT: 4.654 min Scan# 1093
Delta R.T. -0.062 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Instrument :
MSVOA_N
ClientSampled :

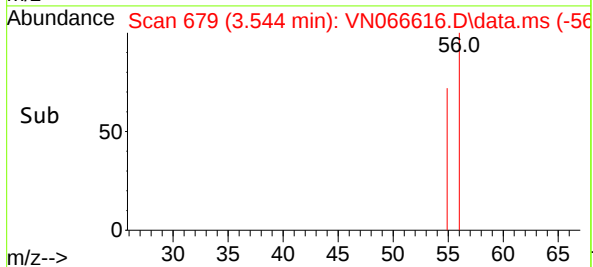
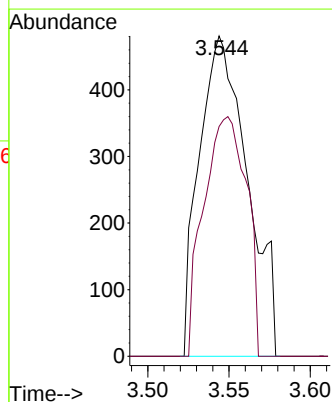
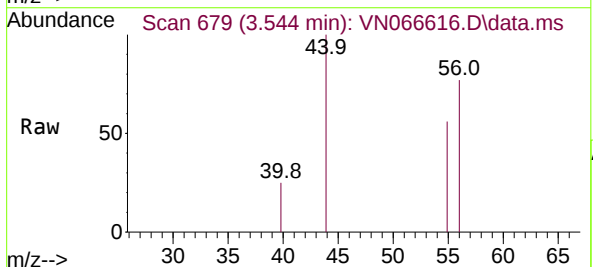
Tgt Ion: 59 Resp: 1255
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

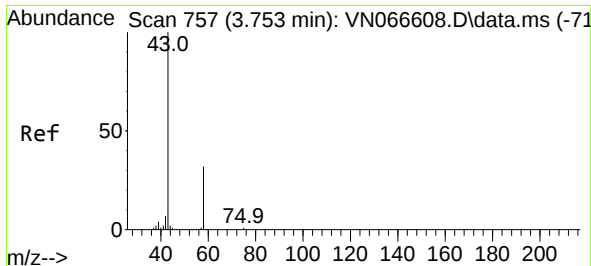


#13

Acrolein
Concen: 3.24 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.000 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion: 56 Resp: 991
Ion Ratio Lower Upper
56 100
55 66.6 56.0 84.0

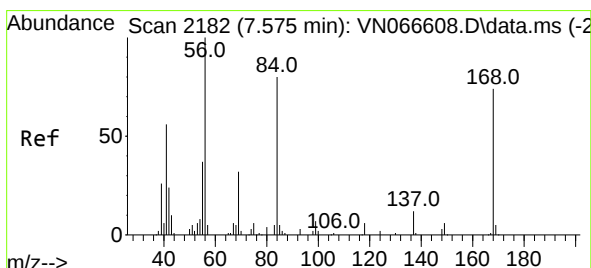
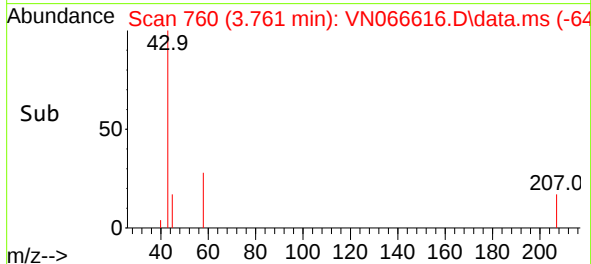
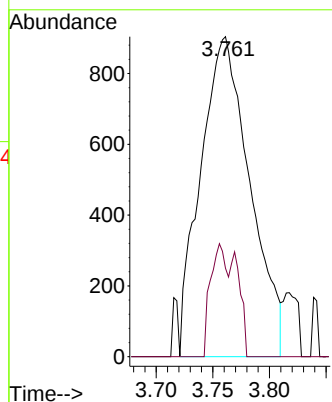
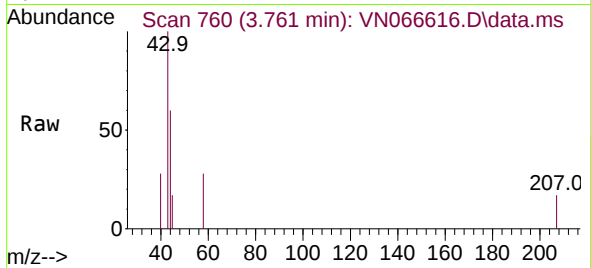




#16
Acetone
Concen: Below Cal
RT: 3.761 min Scan# 760
Delta R.T. 0.008 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

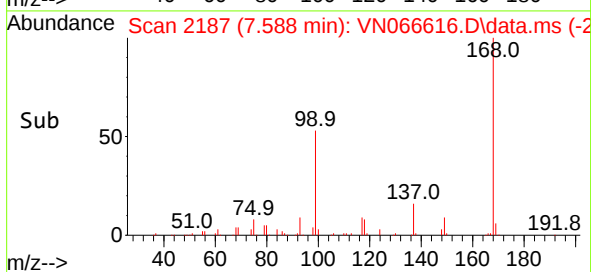
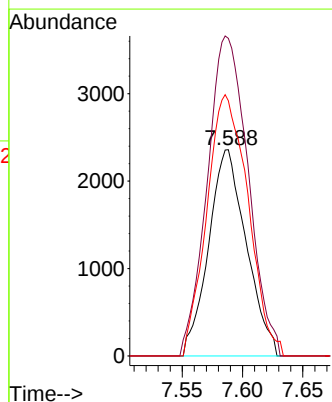
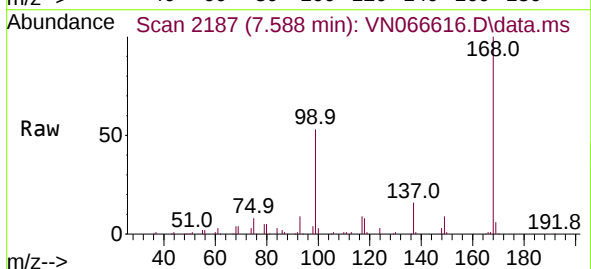
Instrument :
MSVOA_N
ClientSampled :

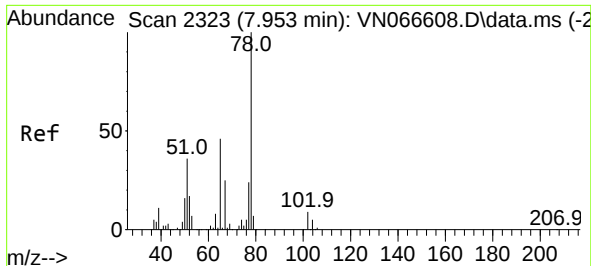
Tgt Ion: 43 Resp: 2740
Ion Ratio Lower Upper
43 100
58 27.7 27.0 40.6



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.013 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion: 56 Resp: 5135
Ion Ratio Lower Upper
56 100
69 154.1 26.6 39.8#
84 123.8 70.4 105.6#

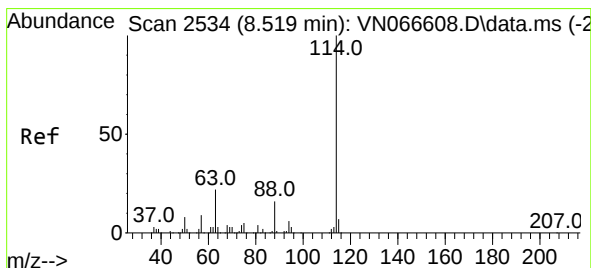
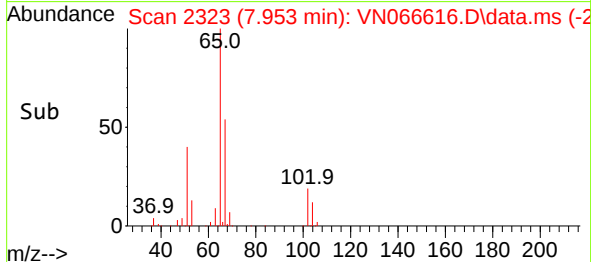
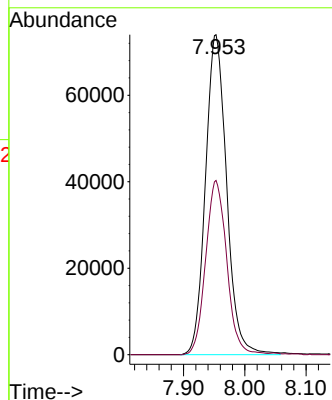
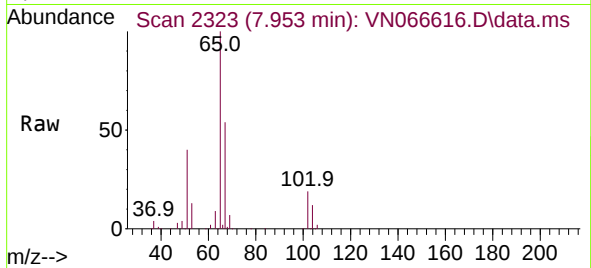




#33
 1,2-Dichloroethane-d4
 Concen: 49.67 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066616.D
 Acq: 15 Apr 2021 17:07

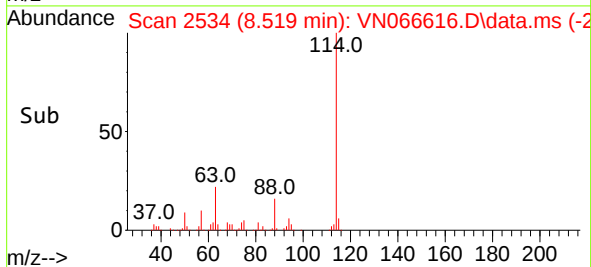
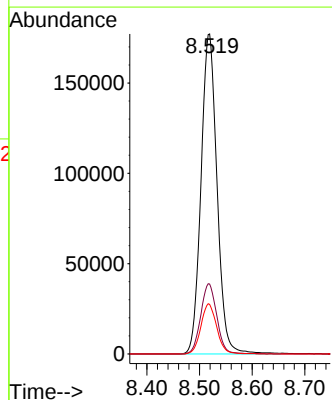
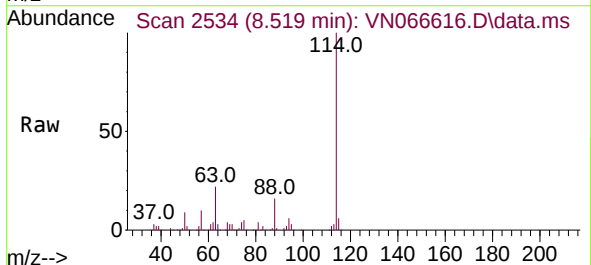
Instrument :
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 ClientSampled :

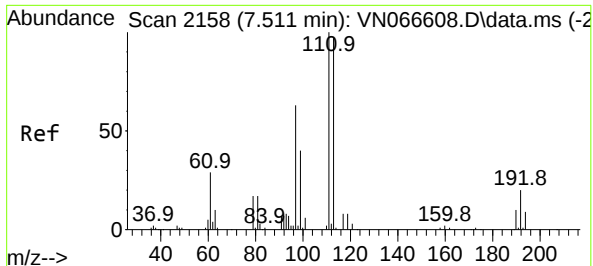
Tgt Ion: 65 Resp: 177705
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: VN066616.D
 Acq: 15 Apr 2021 17:07

Tgt Ion: 114 Resp: 374534
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 38.6
 88 15.5 0.0 30.6

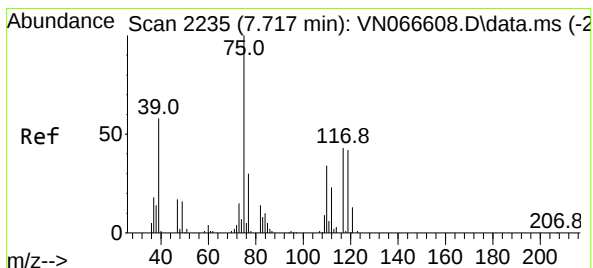
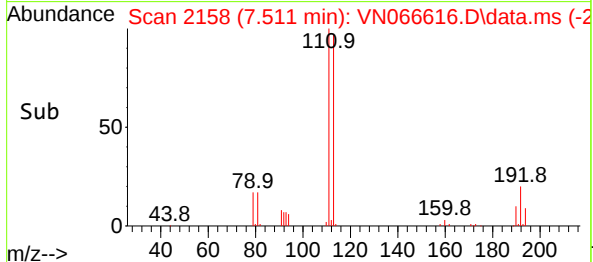
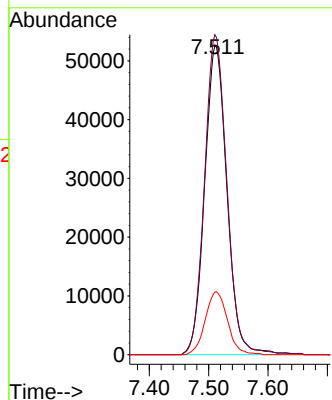
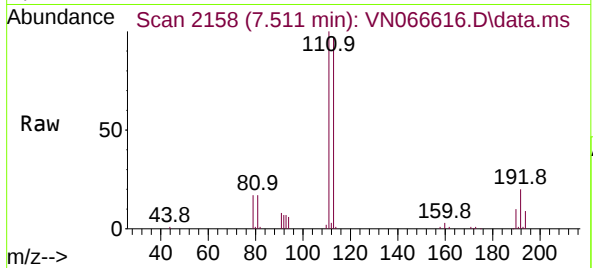




#35
Dibromofluoromethane
Concen: 52.79 ug/l
RT: 7.511 min Scan# 2158
Delta R.T. -0.000 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

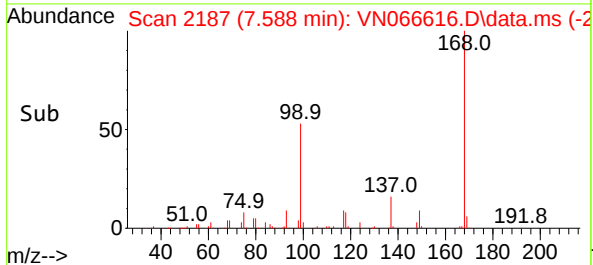
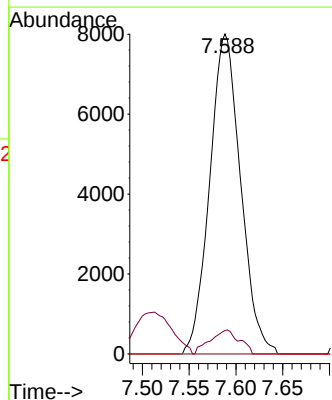
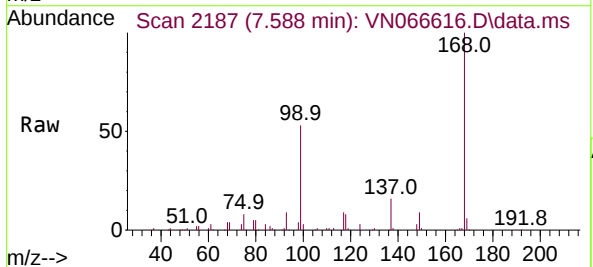
Instrument :
MSVOA_N
ClientSampled :

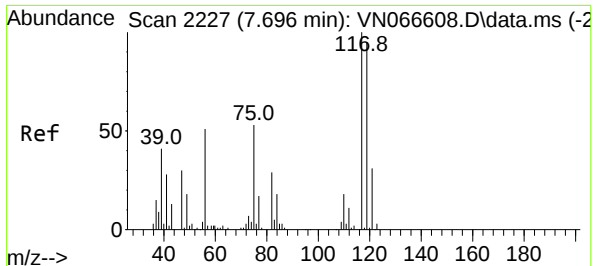
Tgt Ion:113 Resp: 137104
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 20.4 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

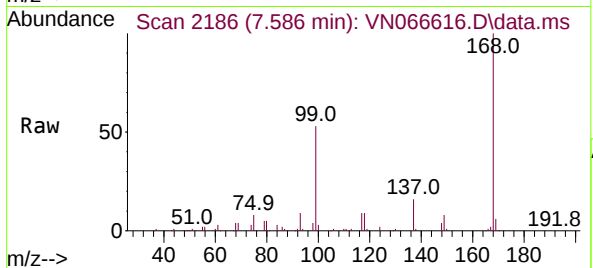
Tgt Ion: 75 Resp: 18402
Ion Ratio Lower Upper
75 100
110 7.1 18.2 54.6#
77 0.0 24.9 37.3#



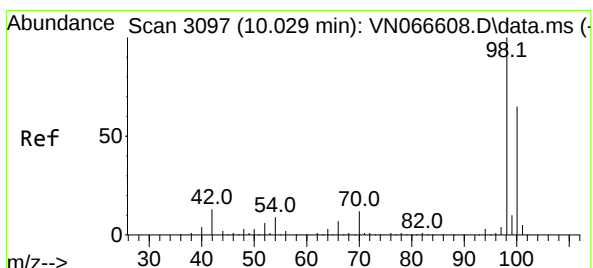
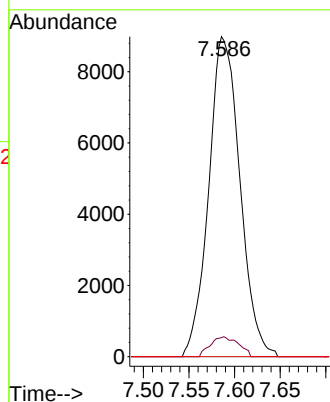
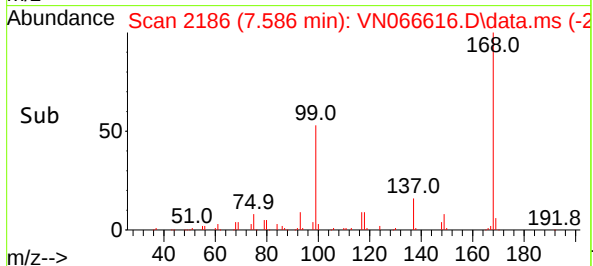


#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 7.586 min Scan# 2186
Delta R.T. -0.110 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

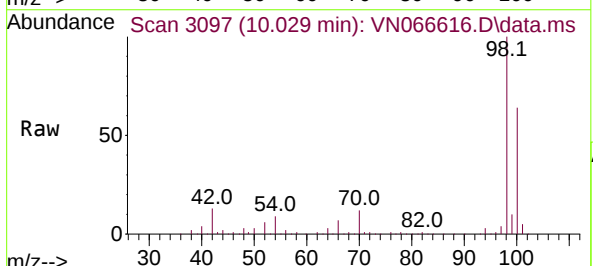
Instrument :
MSVOA_N
ClientSampled :



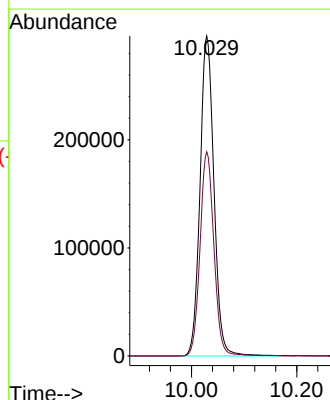
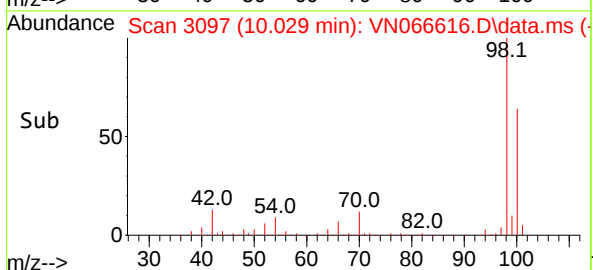
Tgt Ion:117 Resp: 21393
Ion Ratio Lower Upper
117 100
119 6.0 76.0 114.0#
121 0.0 24.5 36.7#

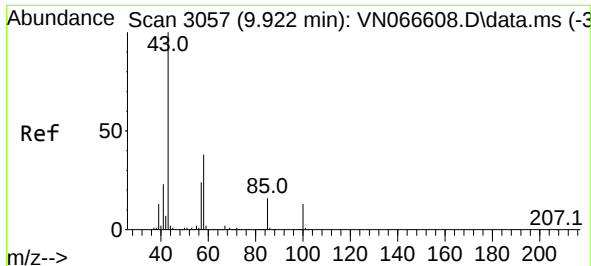


#50
Toluene-d8
Concen: 53.37 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07



Tgt Ion: 98 Resp: 543255
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7

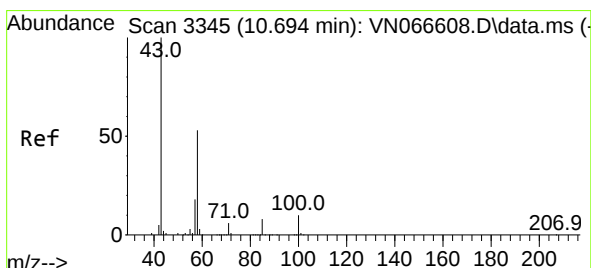
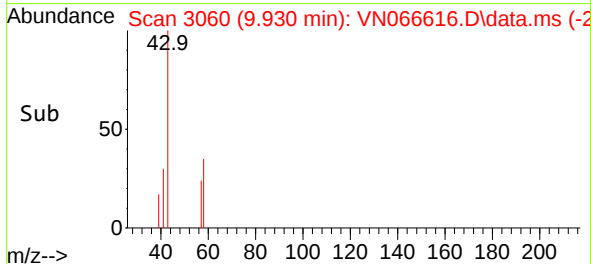
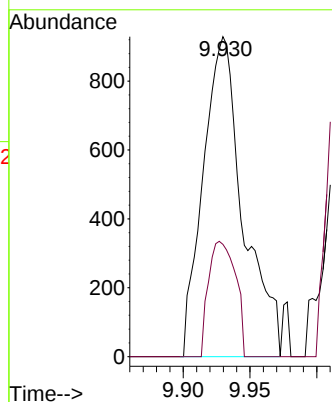
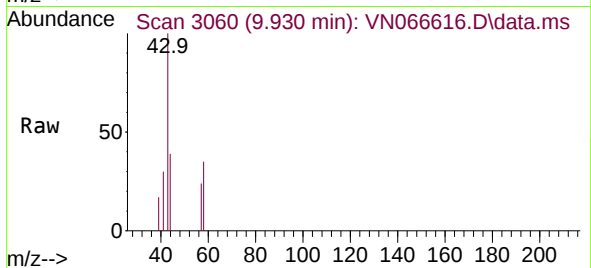




#51
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 9.930 min Scan# 3060
Delta R.T. 0.008 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

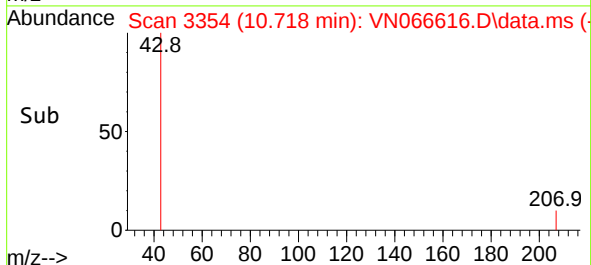
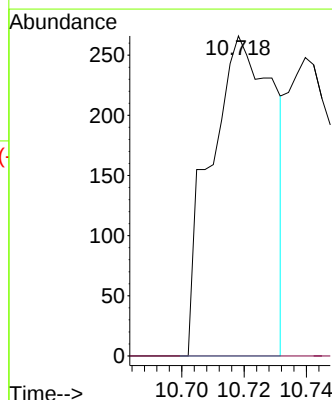
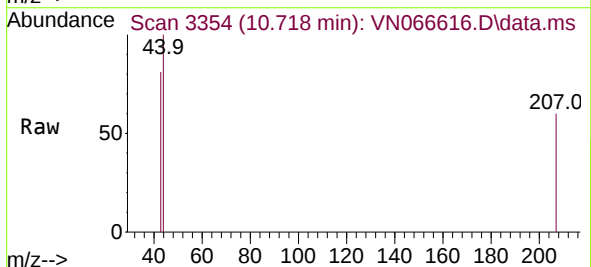
Instrument :
MSVOA_N
ClientSampled :

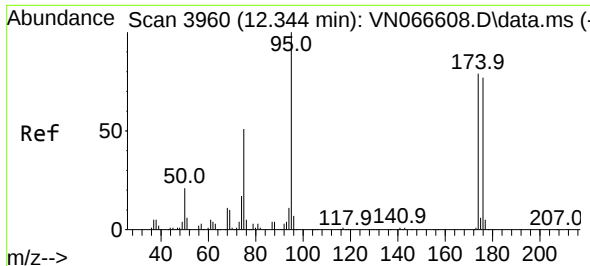
Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
58 24.2 32.5 48.7#



#59
2-Hexanone
Concen: 4.99 ug/l
RT: 10.718 min Scan# 3354
Delta R.T. 0.024 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

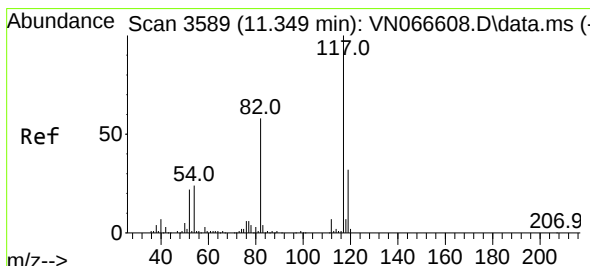
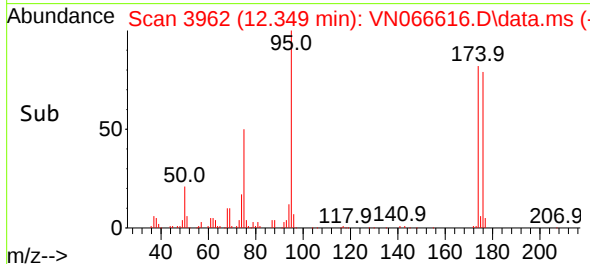
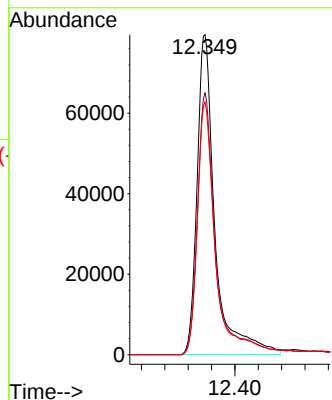
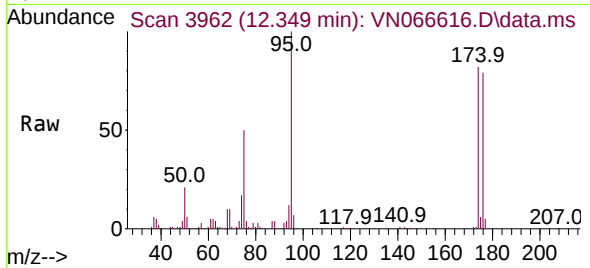




#62
4-Bromofluorobenzene
Concen: 47.29 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.005 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

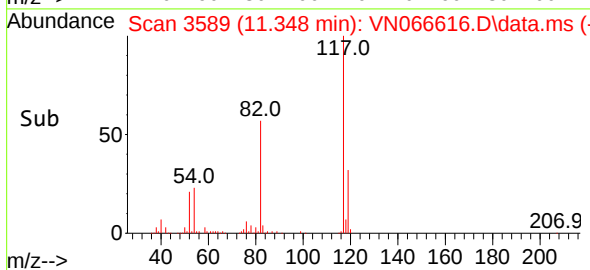
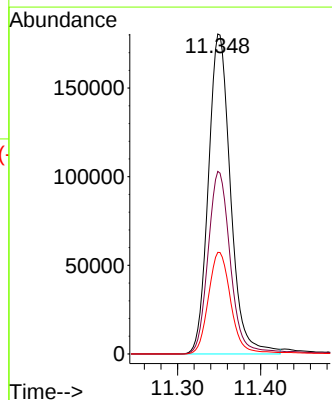
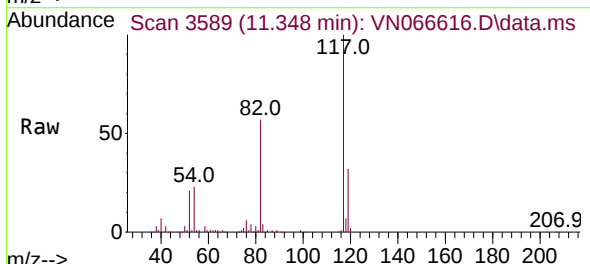
Instrument :
MSVOA_N
ClientSampleId :

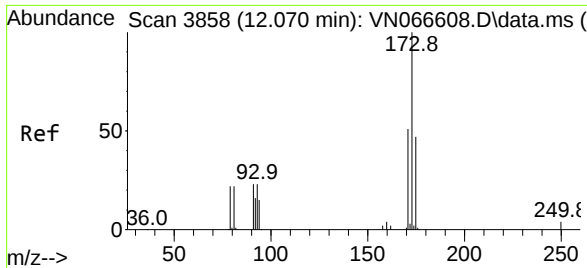
Tgt Ion: 95 Resp: 169259
Ion Ratio Lower Upper
95 100
174 81.6 0.0 169.0
176 79.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion: 117 Resp: 334717
Ion Ratio Lower Upper
117 100
82 57.1 43.7 65.5
119 31.8 26.1 39.1

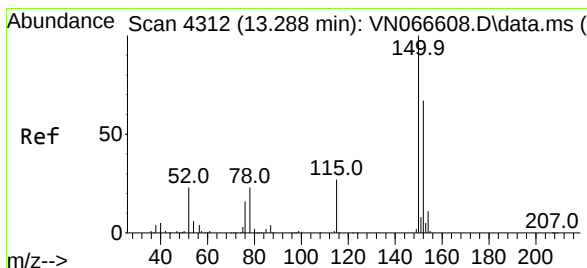
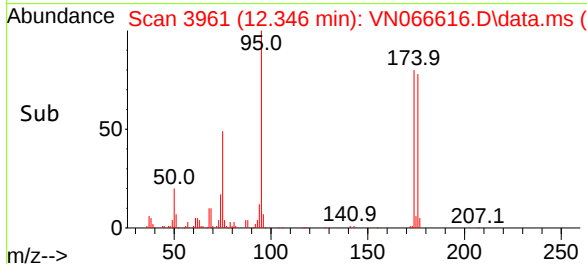
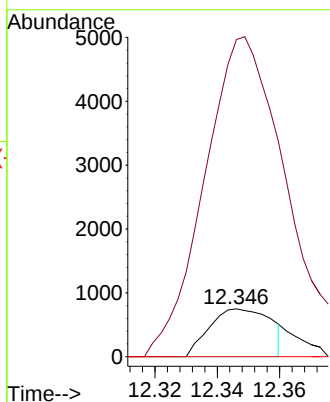
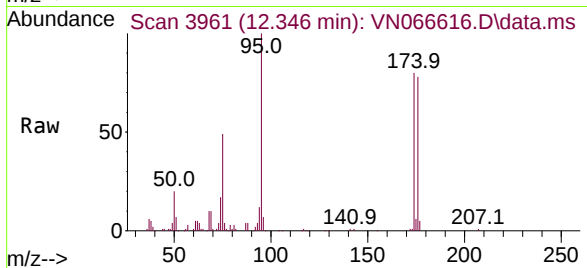




#71
Bromoform
Concen: 0.51 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.276 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

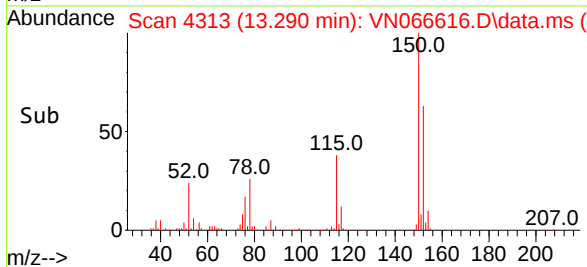
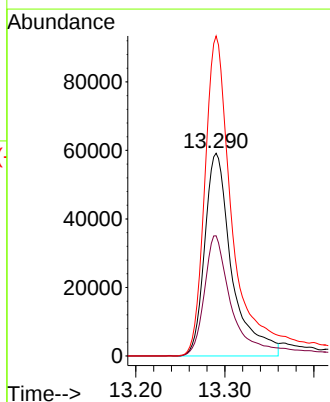
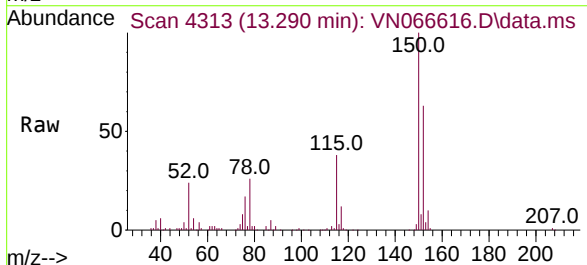
Instrument :
MSVOA_N
ClientSampled :

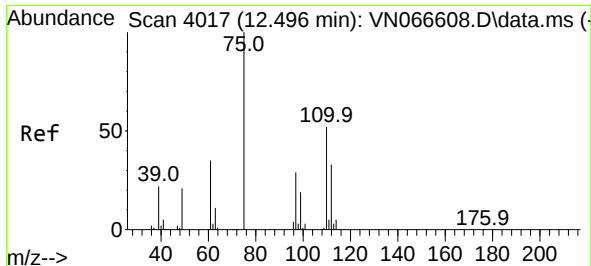
Tgt Ion:173 Resp: 1025
Ion Ratio Lower Upper
173 100
175 726.9 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion:152 Resp: 125596
Ion Ratio Lower Upper
152 100
115 64.0 28.5 85.6
150 164.0 0.0 347.6

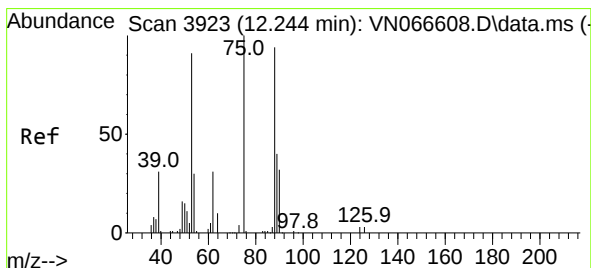
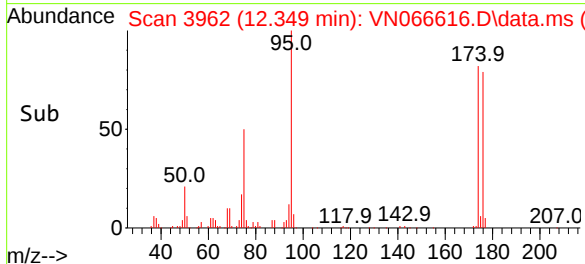
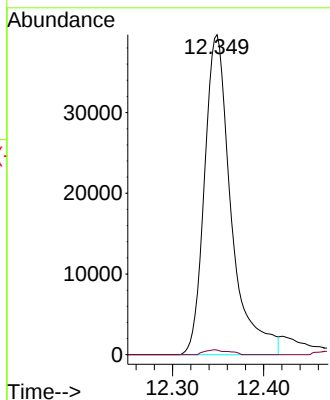
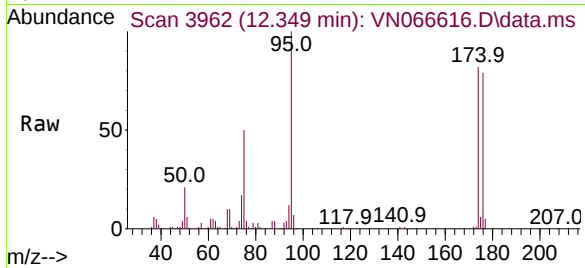




#76
1,2,3-Trichloropropane
Concen: 27.42 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

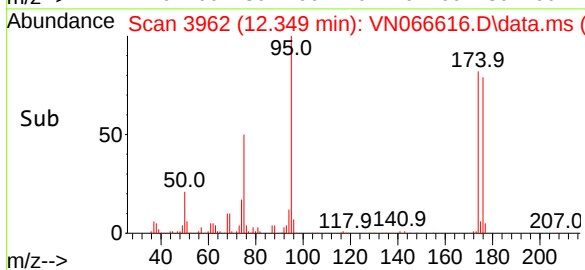
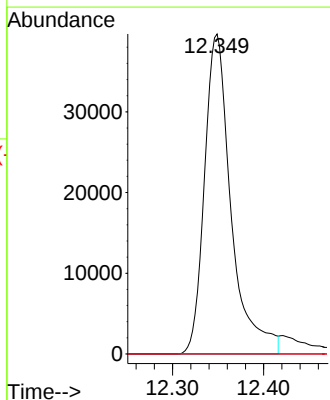
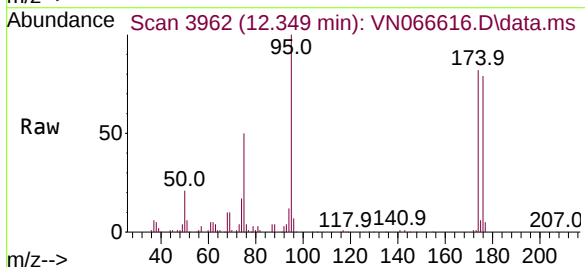
Instrument :
MSVOA_N
ClientSampleId :

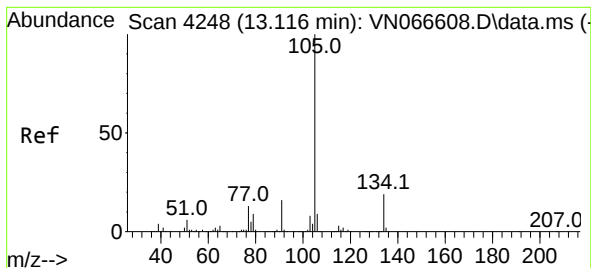
Tgt Ion: 75 Resp: 80539
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.48 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion: 75 Resp: 80539
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

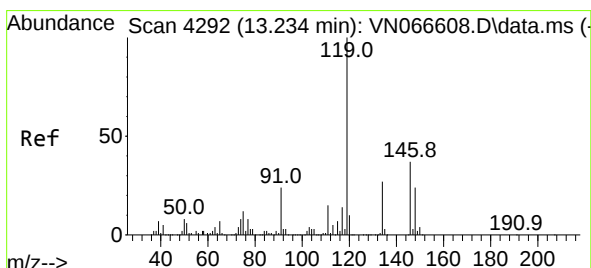
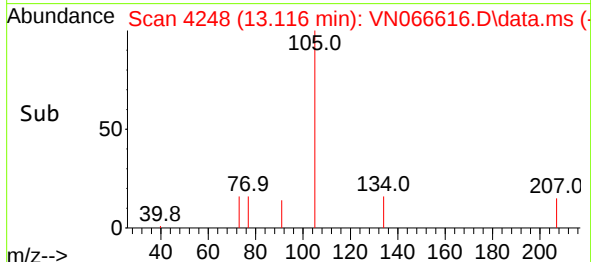
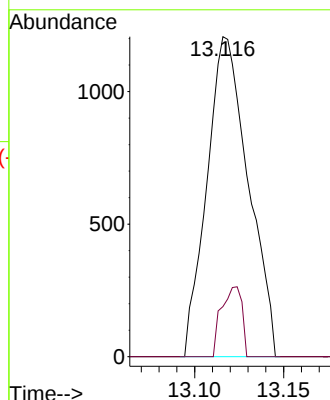
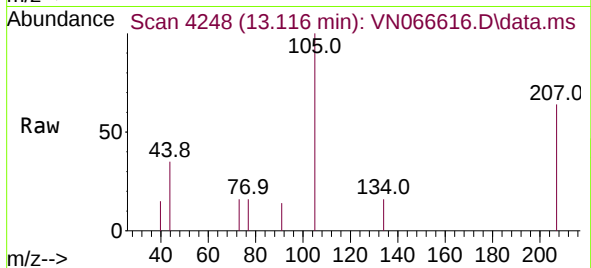




#85
 sec-Butylbenzene
 Concen: 0.21 ug/l
 RT: 13.116 min Scan# 4248
 Delta R.T. -0.000 min
 Lab File: VN066616.D
 Acq: 15 Apr 2021 17:07

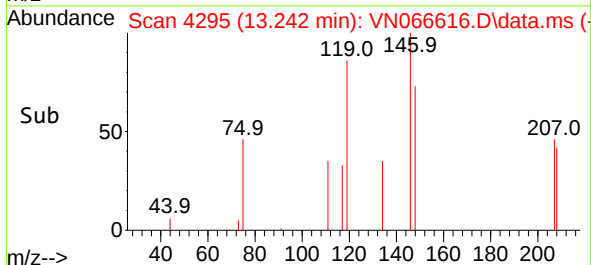
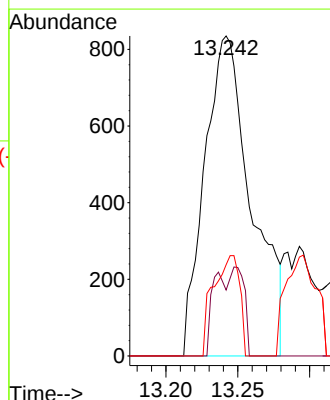
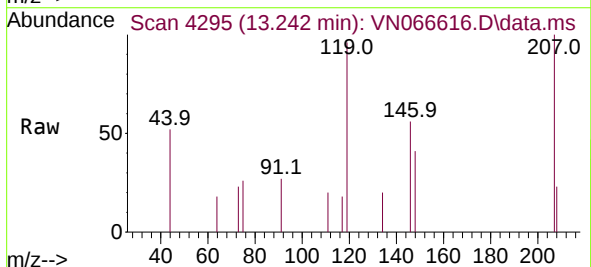
Instrument :
 MSVOA_N
 ClientSampleId :

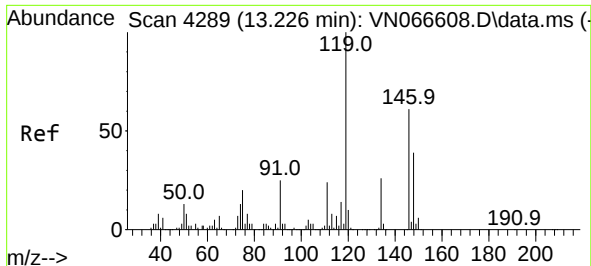
Tgt Ion:105 Resp: 1950
 Ion Ratio Lower Upper
 105 100
 134 10.8 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 0.25 ug/l
 RT: 13.242 min Scan# 4295
 Delta R.T. 0.008 min
 Lab File: VN066616.D
 Acq: 15 Apr 2021 17:07

Tgt Ion:119 Resp: 1891
 Ion Ratio Lower Upper
 119 100
 134 8.9 13.3 39.8#
 91 17.6 11.8 35.3

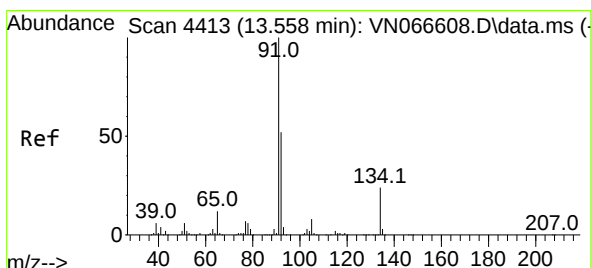
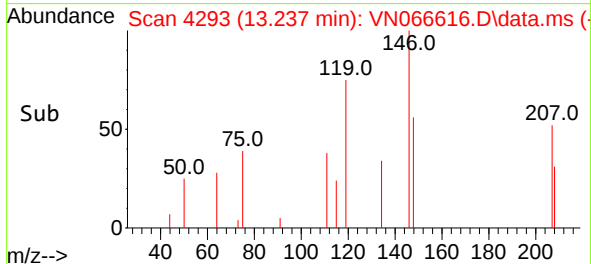
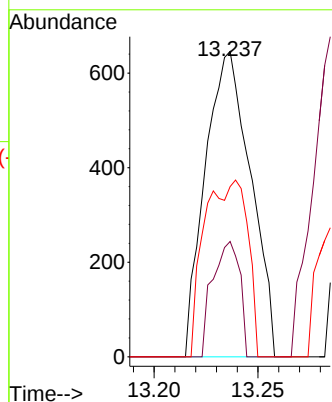
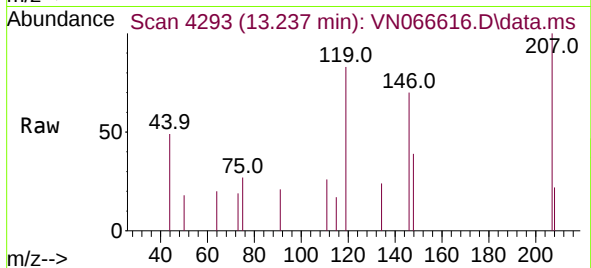




#87
1,3-Dichlorobenzene
Concen: 0.24 ug/l
RT: 13.237 min Scan# 4293
Delta R.T. 0.011 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

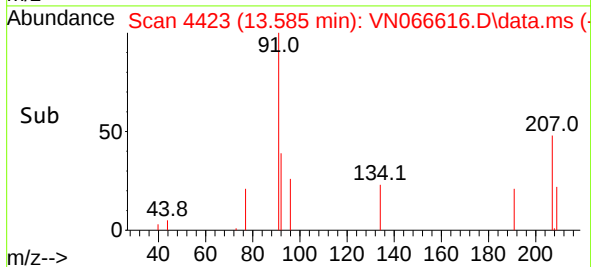
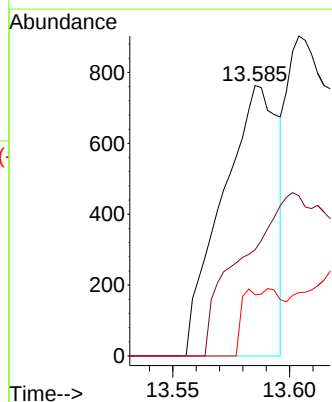
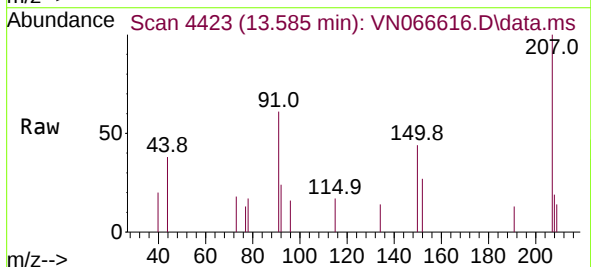
Instrument :
MSVOA_N
ClientSampleId :

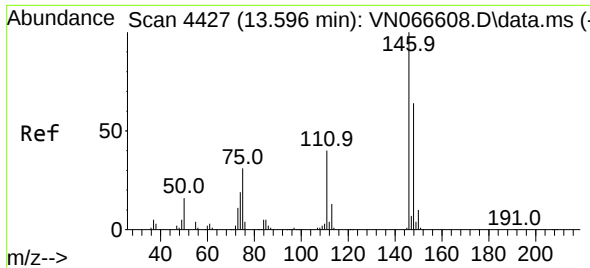
Tgt Ion:146 Resp: 981
Ion Ratio Lower Upper
146 100
111 22.5 19.5 58.5
148 29.4 32.3 96.9#



#89
n-Butylbenzene
Concen: 0.20 ug/l
RT: 13.585 min Scan# 4423
Delta R.T. 0.027 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

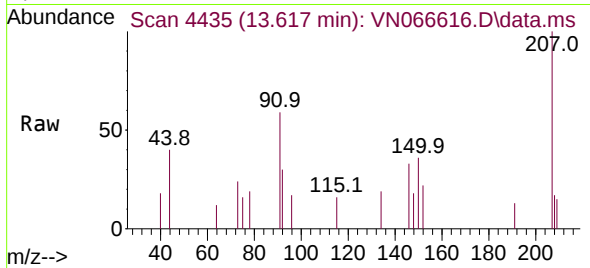
Tgt Ion: 91 Resp: 1262
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 6.7 13.0 38.9#



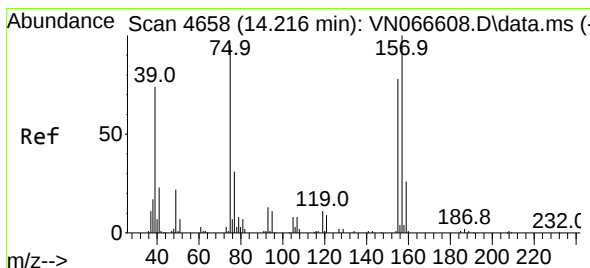
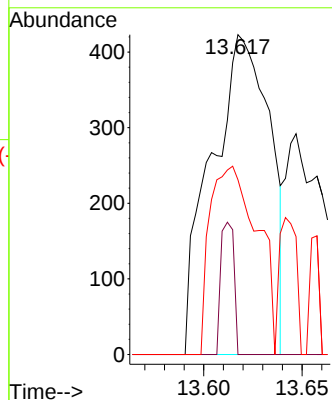
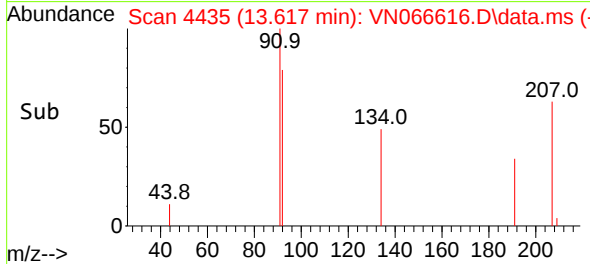


#91
1,2-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.617 min Scan# 4435
Delta R.T. 0.021 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

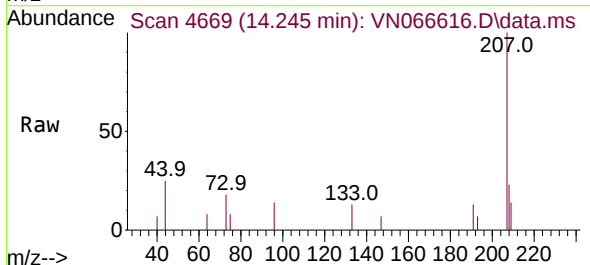
Instrument :
MSVOA_N
ClientSampled :



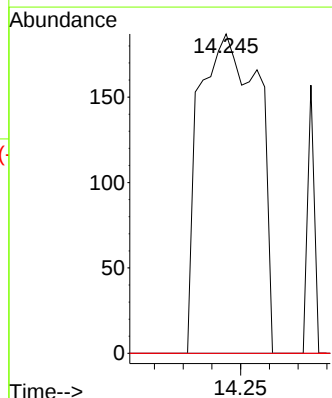
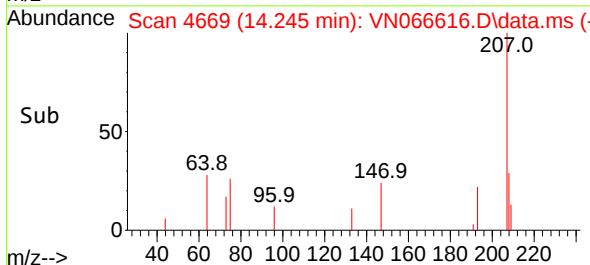
Tgt Ion:146 Resp: 874
Ion Ratio Lower Upper
146 100
111 9.3 20.1 60.3#
148 47.5 32.0 96.0

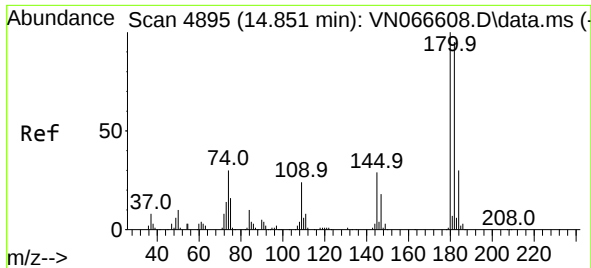


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.44 ug/l
RT: 14.245 min Scan# 4669
Delta R.T. 0.029 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07



Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

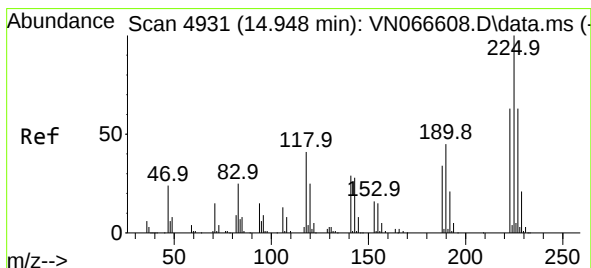
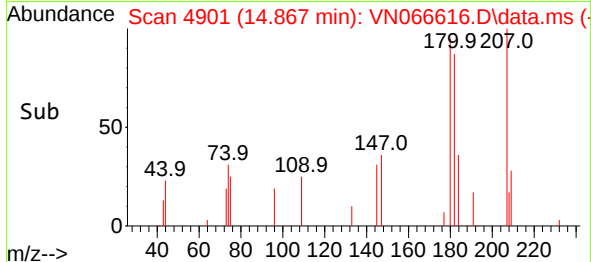
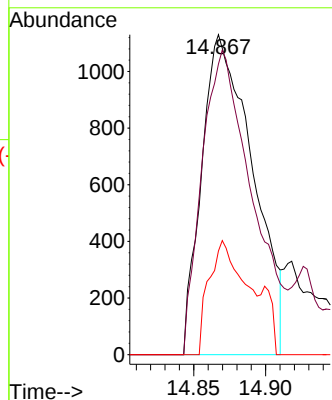
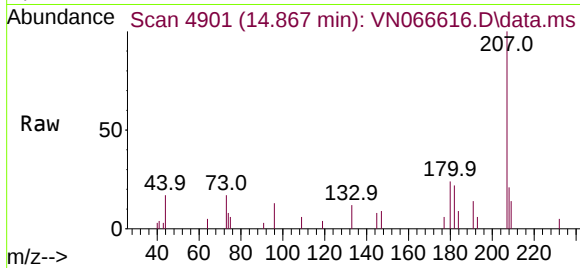




#93
 1,2,4-Trichlorobenzene
 Concen: 1.20 ug/l
 RT: 14.867 min Scan# 4901
 Delta R.T. 0.016 min
 Lab File: VN066616.D
 Acq: 15 Apr 2021 17:07

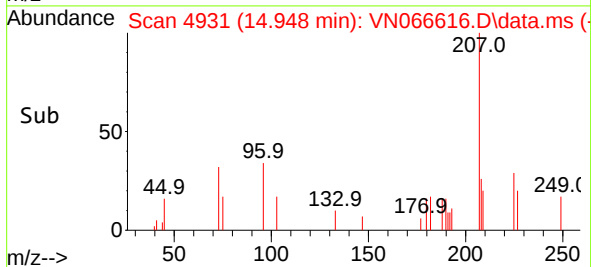
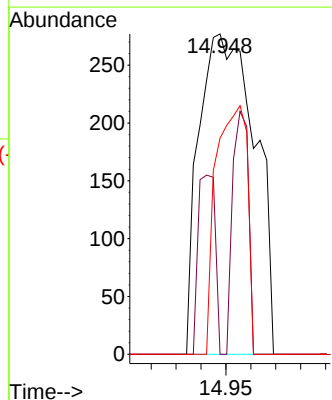
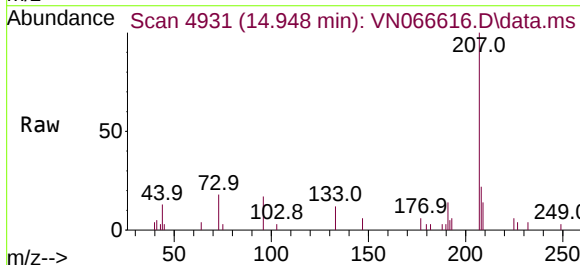
Instrument :
 MSVOA_N
 ClientSampleId :

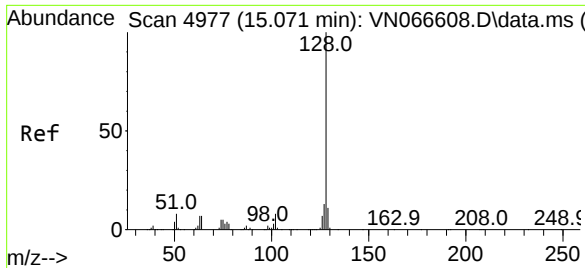
Tgt Ion:180 Resp: 2789
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.3 142.0
 145 24.7 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 0.33 ug/l
 RT: 14.948 min Scan# 4931
 Delta R.T. -0.000 min
 Lab File: VN066616.D
 Acq: 15 Apr 2021 17:07

Tgt Ion:225 Resp: 431
 Ion Ratio Lower Upper
 225 100
 223 17.2 31.9 95.9#
 227 0.0 31.6 95.0#

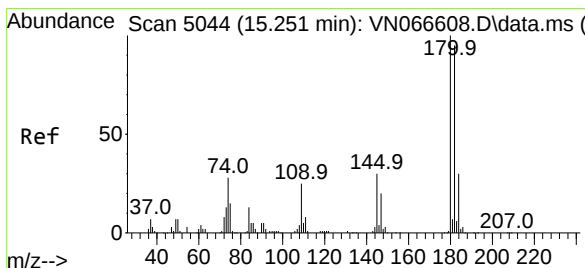
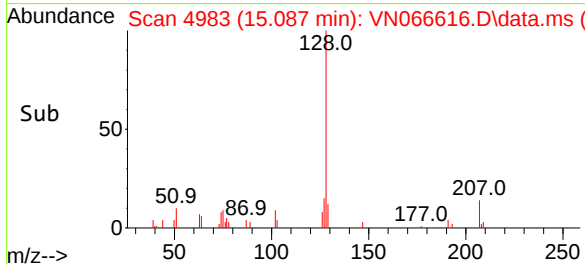
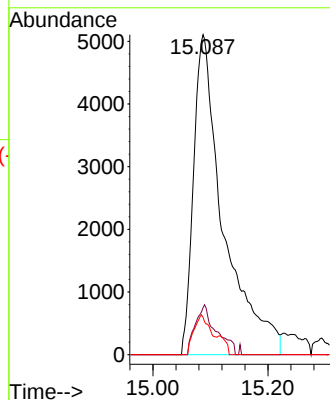
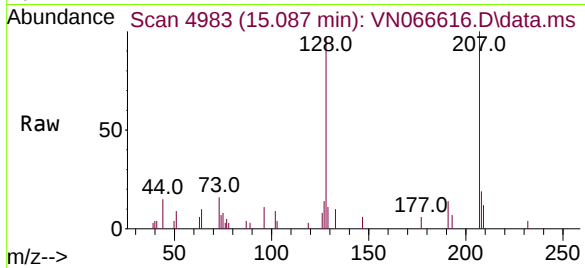




#95
Naphthalene
Concen: 2.87 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 18389
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.2
129 7.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.82 ug/l
RT: 15.259 min Scan# 5047
Delta R.T. 0.008 min
Lab File: VN066616.D
Acq: 15 Apr 2021 17:07

Tgt Ion:180 Resp: 4366
Ion Ratio Lower Upper
180 100
182 91.2 47.4 142.3
145 27.0 16.5 49.5

