

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030321\
 Data File : VN066125.D
 Acq On : 3 Mar 2021 15:23
 Operator : JC/MD
 Sample : M1507-08 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41116

Quant Time: Mar 04 02:16:26 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)

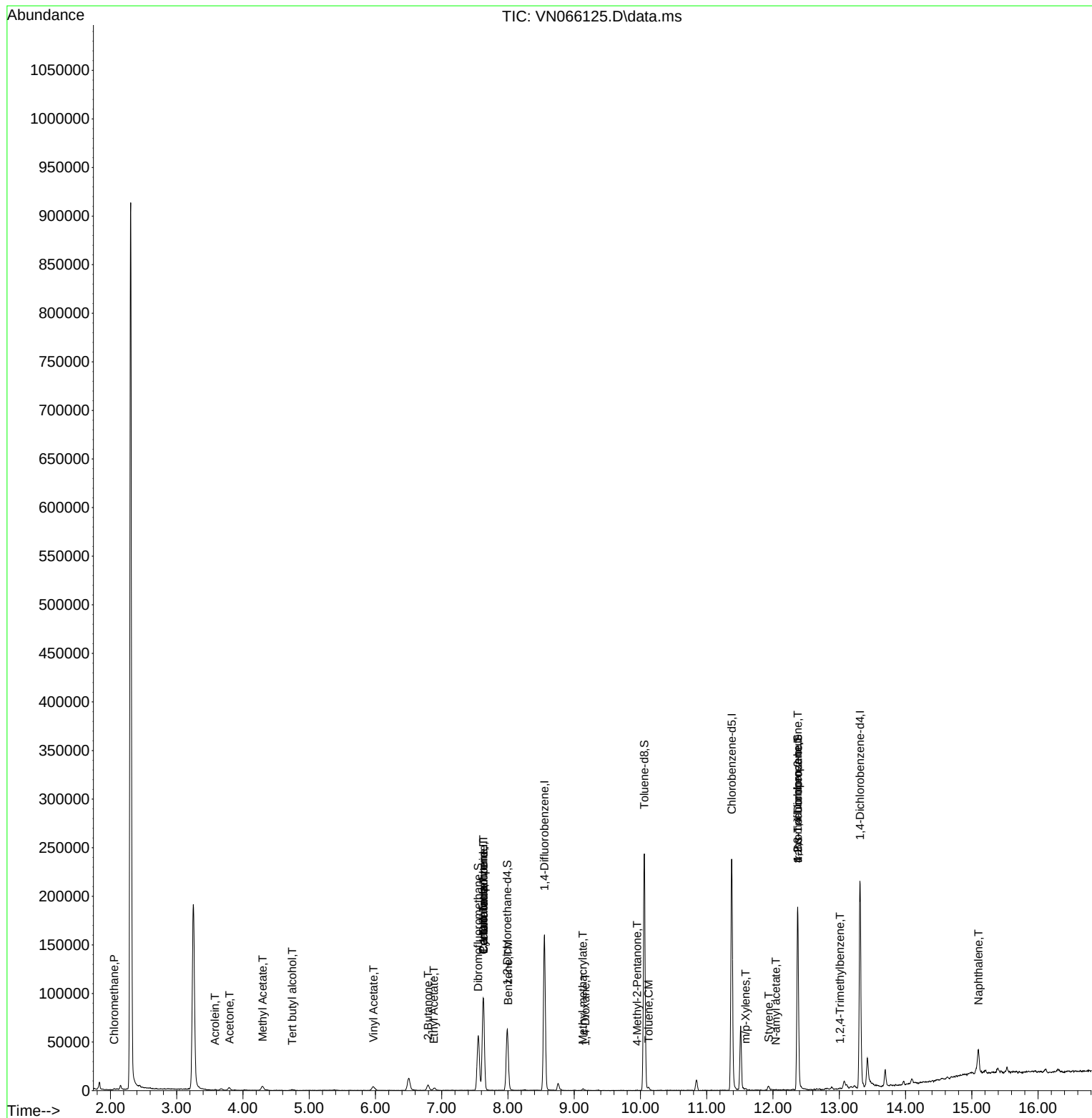
Internal Standards						
1) Pentafluorobenzene	7.627	168	77169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	143759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	145299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	60200	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	57318	48.81	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.62%		
35) Dibromofluoromethane	7.550	113	43731	48.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.06%		
50) Toluene-d8	10.058	98	175520	49.50	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.00%		
62) 4-Bromofluorobenzene	12.373	95	74315	54.42	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.84%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	701	0.79	ug/l	91
11) Tert butyl alcohol	4.746	59	1927	11.88	ug/l #	77
13) Acrolein	3.579	56	668	8.65	ug/l #	54
16) Acetone	3.798	43	4852	13.82	ug/l #	83
18) Methyl Acetate	4.296	43	7734	10.32	ug/l	97
23) Vinyl Acetate	5.971	43	1453	0.70	ug/l #	71
25) 2-Butanone	6.795	43	9457	20.31	ug/l #	85
31) Cyclohexane	7.631	56	1490	1.06	ug/l #	28
36) 1,1-Dichloropropene	7.627	75	5948	4.40	ug/l #	48
37) Ethyl Acetate	6.881	43	1376	1.31	ug/l #	76
38) Carbon Tetrachloride	7.627	117	7681	4.94	ug/l #	16
40) Benzene	8.004	78	2052	0.51	ug/l #	60
48) Methyl methacrylate	9.129	41	692	0.73	ug/l #	10
49) 1,4-Dioxane	9.168	88	181	55.81	ug/l #	69
51) 4-Methyl-2-Pentanone	9.949	43	413	0.38	ug/l #	35
52) Toluene	10.122	92	1361	0.53	ug/l	81
68) m/p-Xylenes	11.589	106	555	0.26	ug/l #	30
70) Styrene	11.936	104	2261	0.70	ug/l	93
74) N-amyl acetate	12.045	43	102	3.26	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	39367	29.62	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	39367	87.14	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	1169	0.27	ug/l #	49
92) 1,2-Dibromo-3-Chloropr...	14.212	75	29	Below Cal	#	1
95) Naphthalene	15.100	128	22221	6.62	ug/l	99

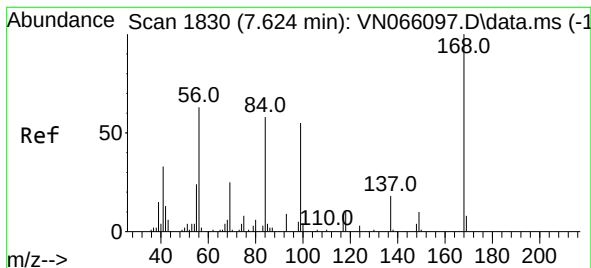
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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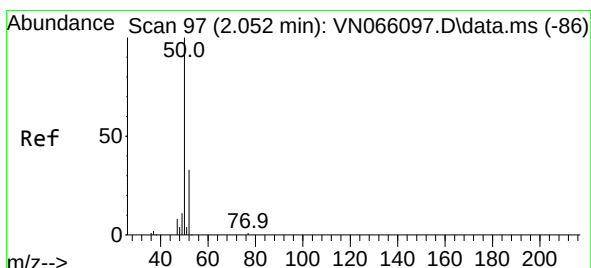
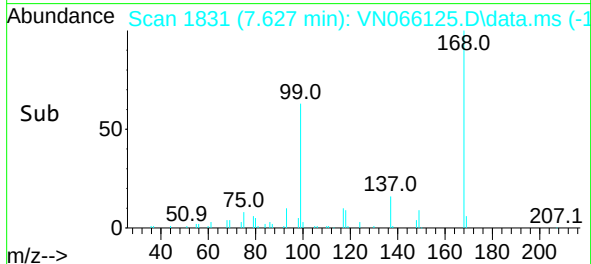
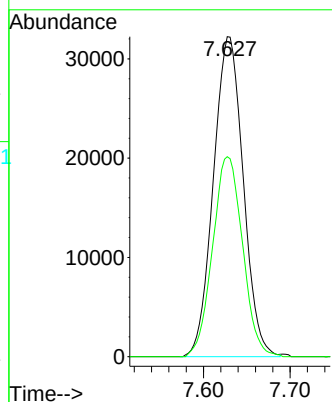
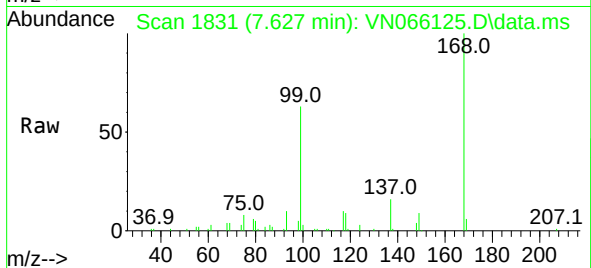




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

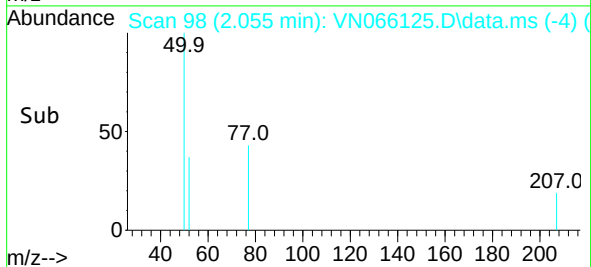
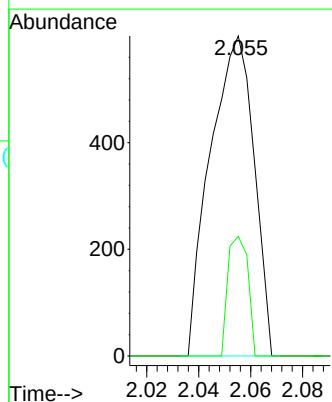
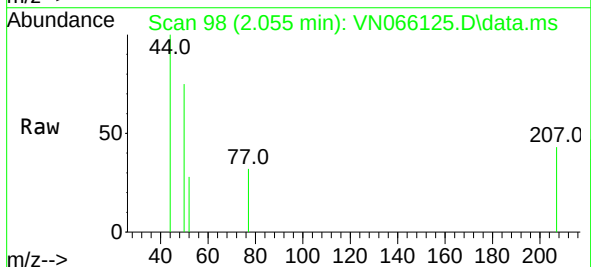
Instrument :
MSVOA_N
ClientSampled :
41116

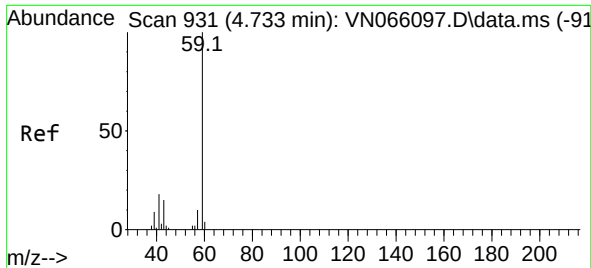
Tgt Ion:168 Resp: 77169
Ion Ratio Lower Upper
168 100
99 62.5 42.6 63.8



#3
Chloromethane
Concen: 0.79 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 50 Resp: 701
Ion Ratio Lower Upper
50 100
52 37.3 25.8 38.8

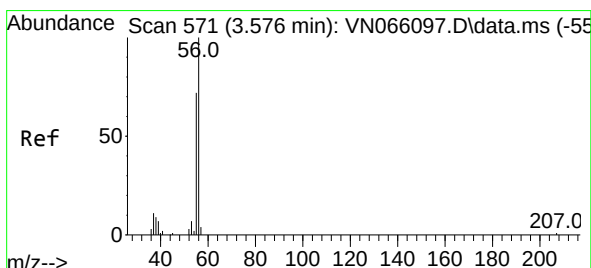
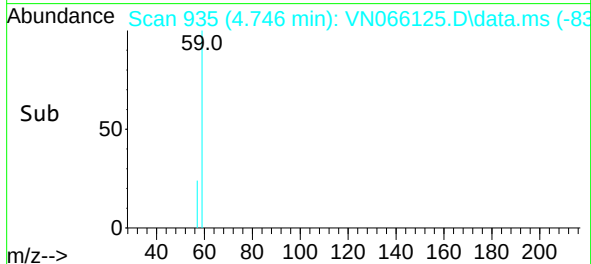
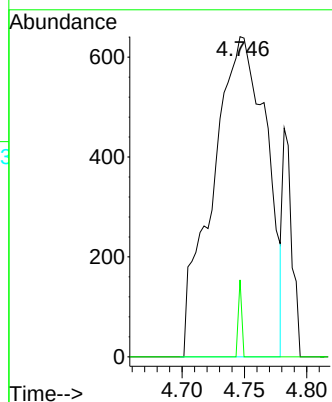
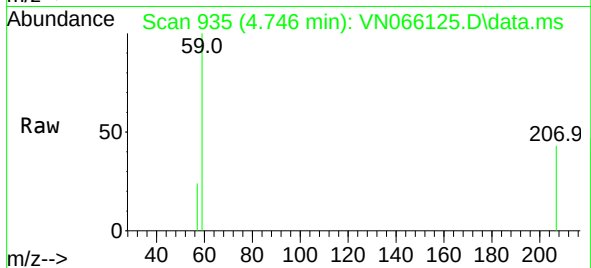




#11
Tert butyl alcohol
Concen: 11.88 ug/l
RT: 4.746 min Scan# 935
Delta R.T. 0.013 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

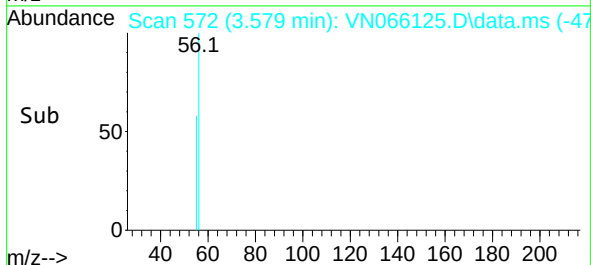
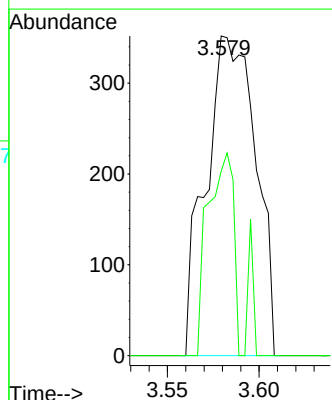
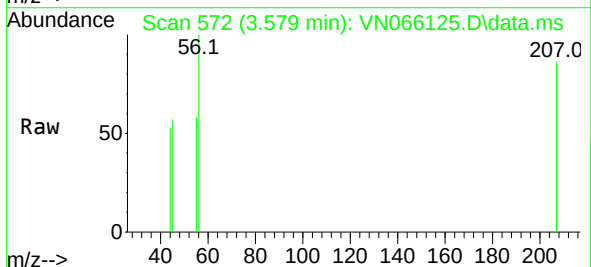
Instrument :
MSVOA_N
ClientSampled :
41116

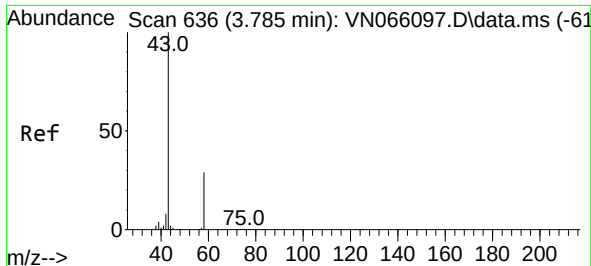
Tgt Ion: 59 Resp: 1927
Ion Ratio Lower Upper
59 100
57 1.6 8.0 12.0#



#13
Acrolein
Concen: 8.65 ug/l
RT: 3.579 min Scan# 572
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 56 Resp: 668
Ion Ratio Lower Upper
56 100
55 32.5 56.0 84.0#

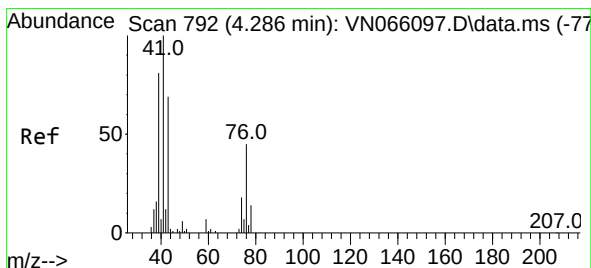
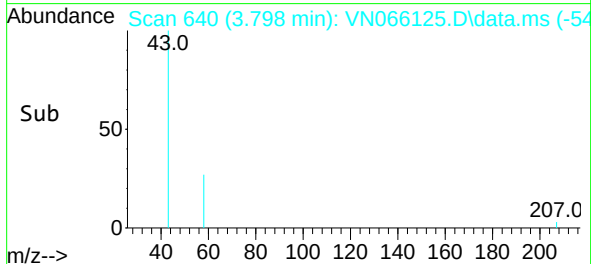
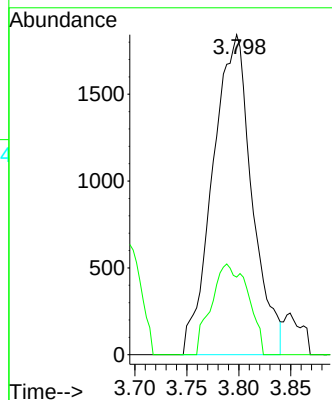
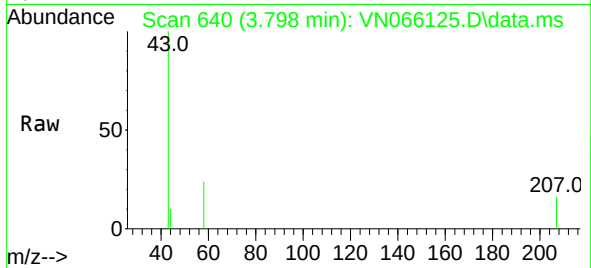




#16
Acetone
Concen: 13.82 ug/l
RT: 3.798 min Scan# 640
Delta R.T. 0.013 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

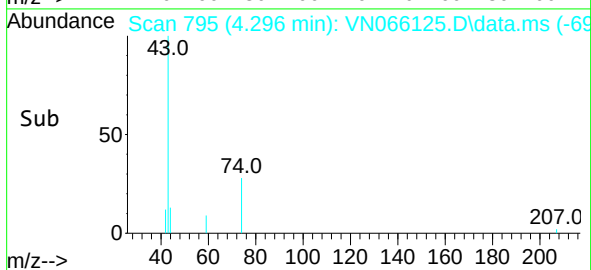
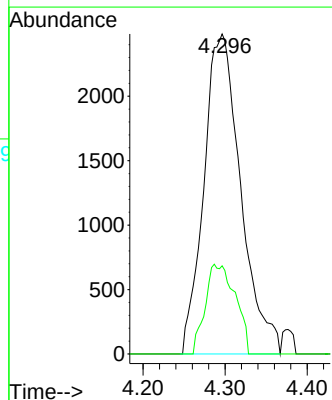
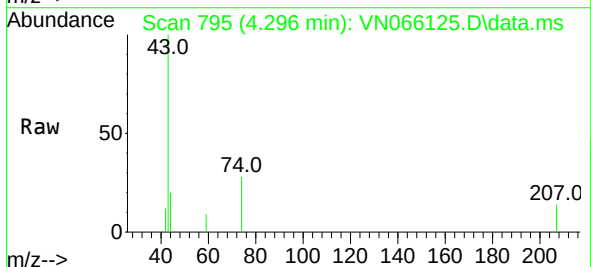
Instrument :
MSVOA_N
ClientSampled :
41116

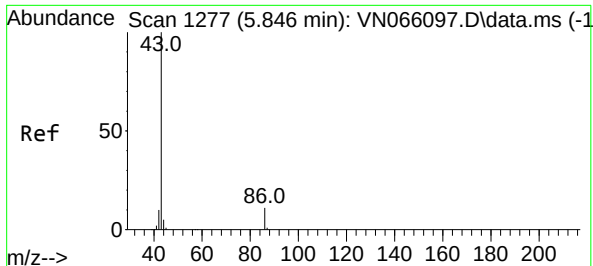
Tgt Ion: 43 Resp: 4852
Ion Ratio Lower Upper
43 100
58 24.3 27.0 40.6#



#18
Methyl Acetate
Concen: 10.32 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.010 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 43 Resp: 7734
Ion Ratio Lower Upper
43 100
74 22.8 19.5 29.3





#23

Vinyl Acetate

Concen: 0.70 ug/l

RT: 5.971 min Scan# 1316

Delta R.T. 0.125 min

Lab File: VN066125.D

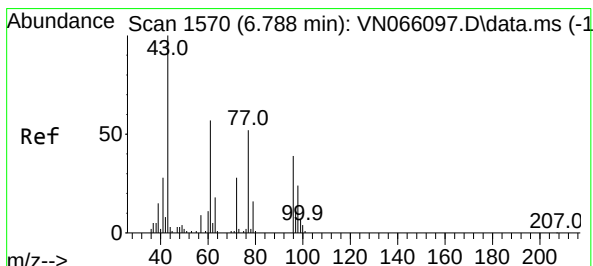
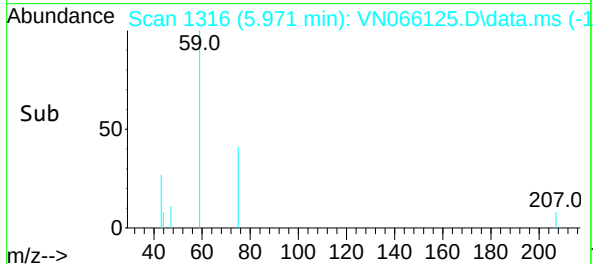
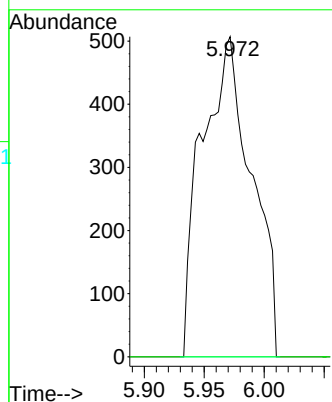
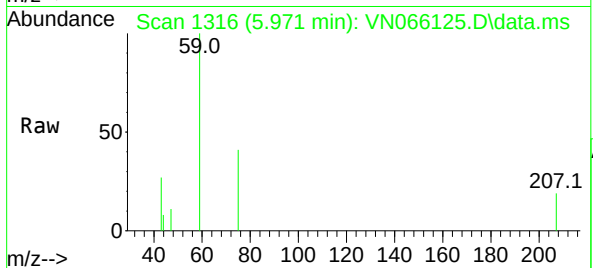
Acq: 3 Mar 2021 15:23

Tgt Ion: 43 Resp: 1453

Ion Ratio Lower Upper

43 100

86 0.0 8.6 13.0#



#25

2-Butanone

Concen: 20.31 ug/l

RT: 6.795 min Scan# 1572

Delta R.T. 0.007 min

Lab File: VN066125.D

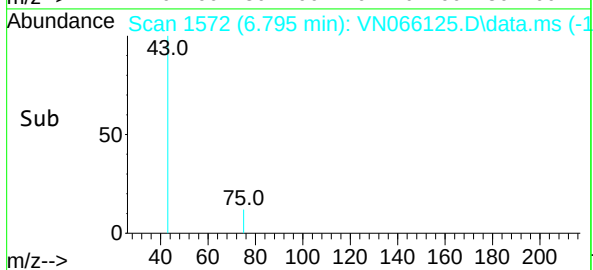
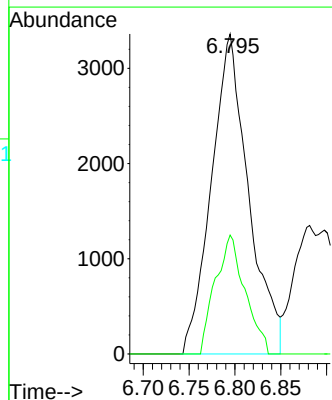
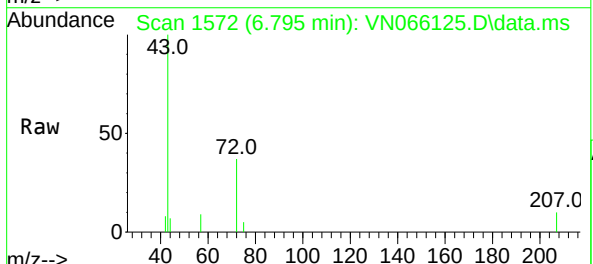
Acq: 3 Mar 2021 15:23

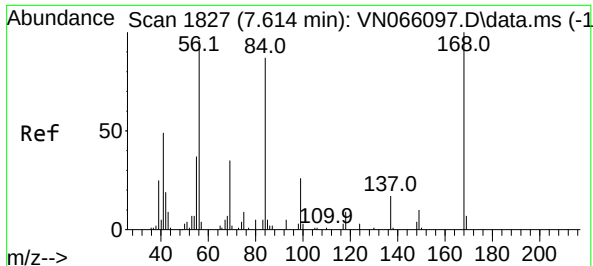
Tgt Ion: 43 Resp: 9457

Ion Ratio Lower Upper

43 100

72 37.2 23.1 34.7#

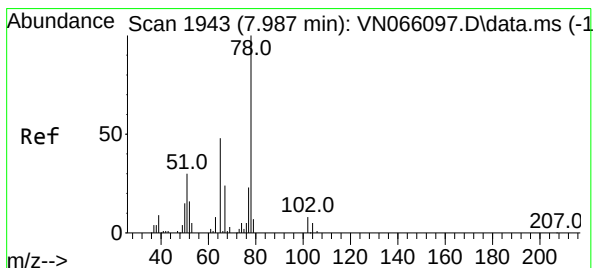
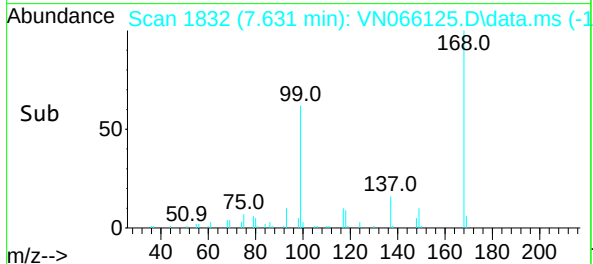
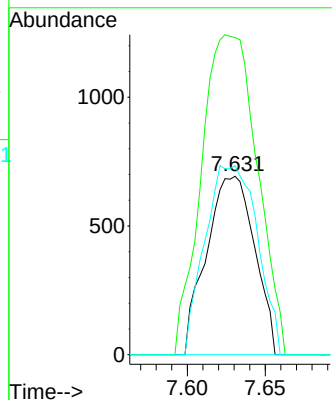
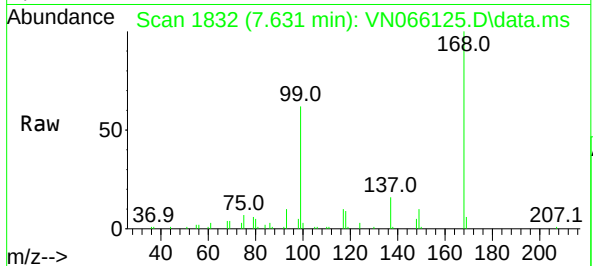




#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.017 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

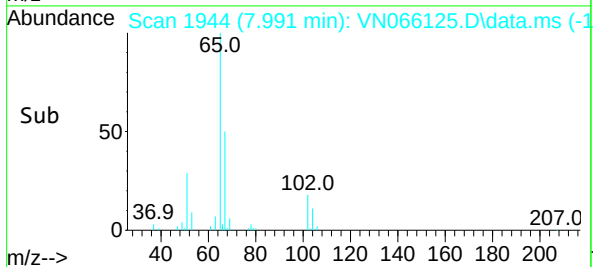
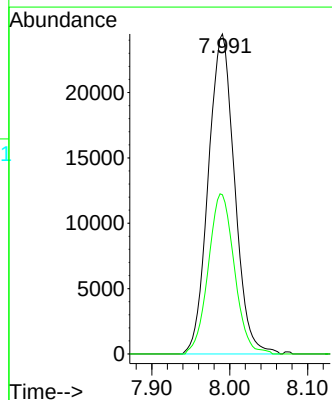
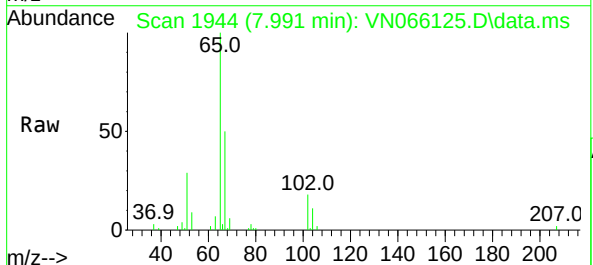
Instrument :
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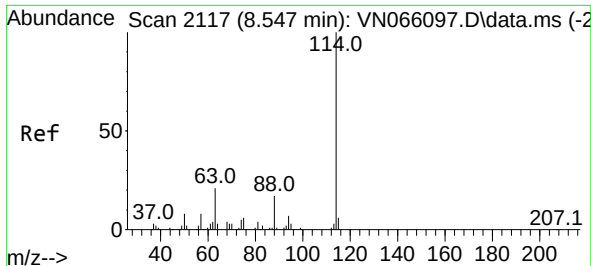
Tgt Ion: 56 Resp: 1490
Ion Ratio Lower Upper
56 100
69 153.8 26.6 39.8#
84 105.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 48.81 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 65 Resp: 57318
Ion Ratio Lower Upper
65 100
67 49.8 0.0 107.2



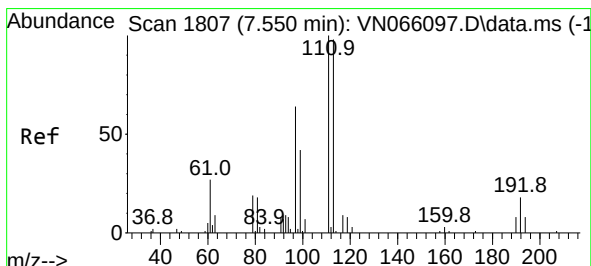
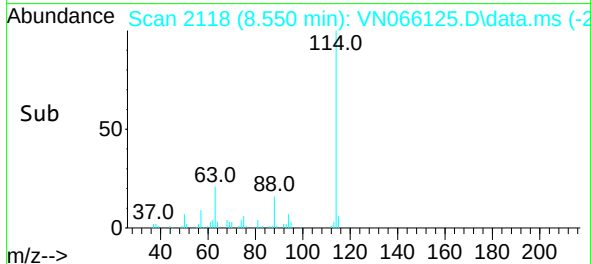
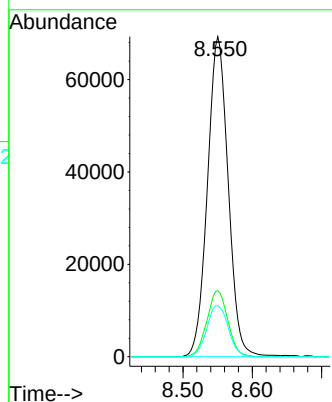
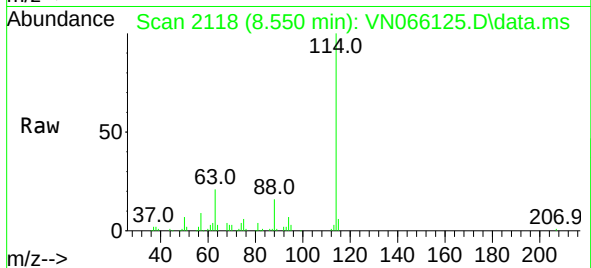


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
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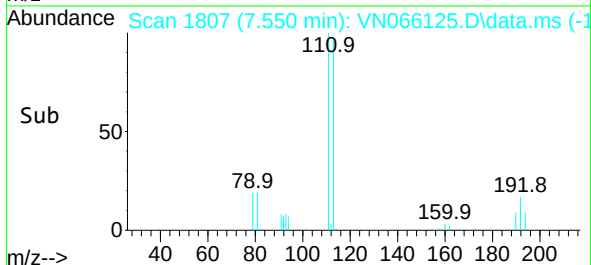
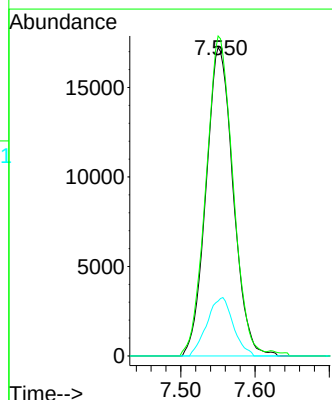
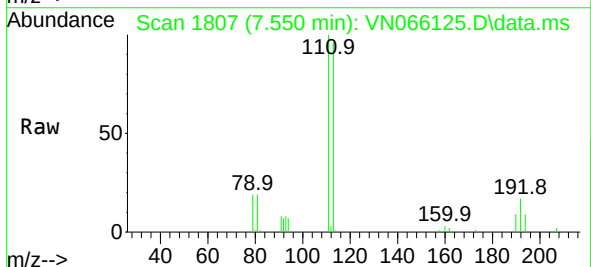
Tgt Ion:114 Resp: 143759
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 15.9 0.0 30.6

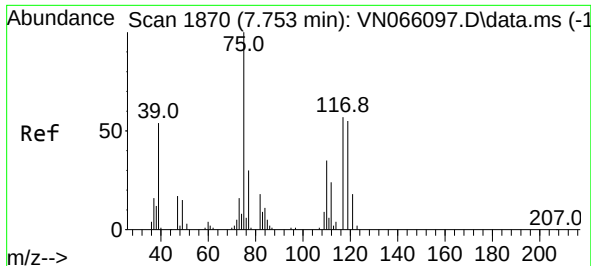


#35

Dibromofluoromethane
Concen: 48.03 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

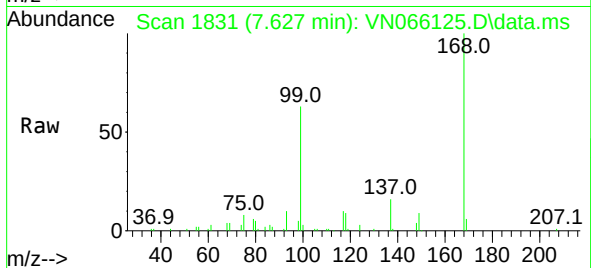
Tgt Ion:113 Resp: 43731
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.3 15.4 23.0



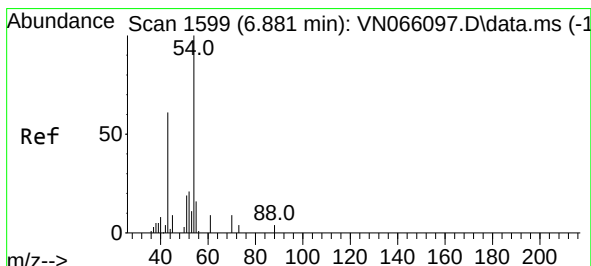
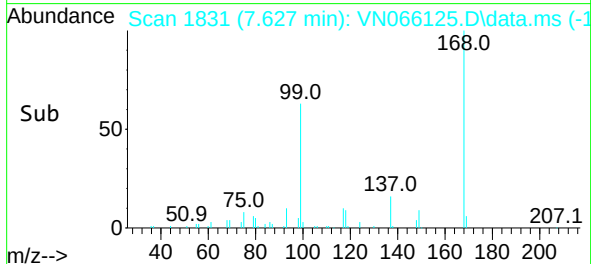
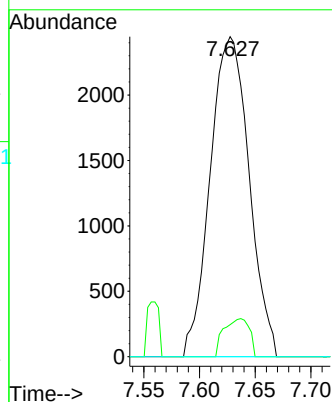


#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Instrument :
MSVOA_N
ClientSampled :
41116

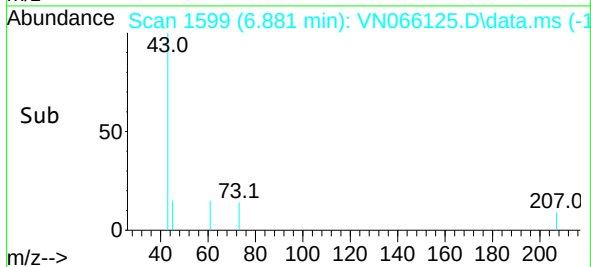
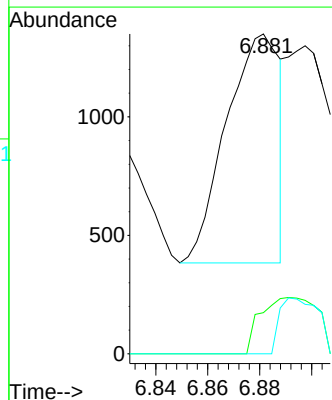
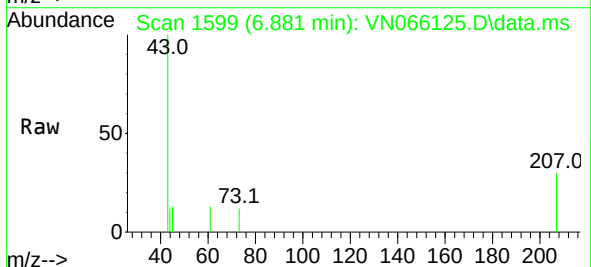


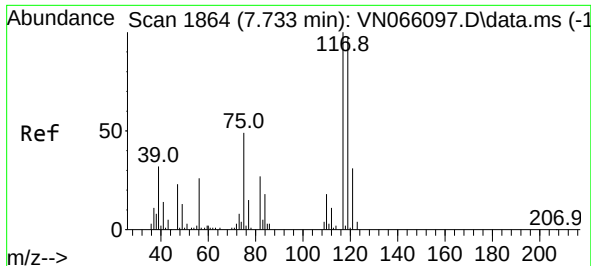
Tgt Ion: 75 Resp: 5948
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.31 ug/l
RT: 6.881 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

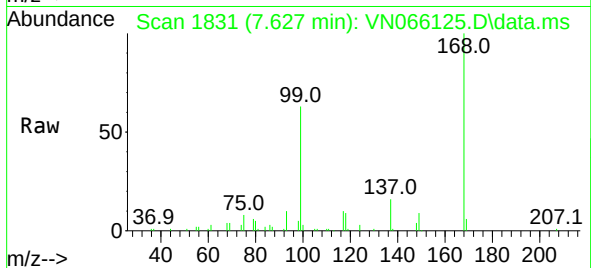
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
61 26.0 11.6 17.4#
70 17.5 8.6 13.0#



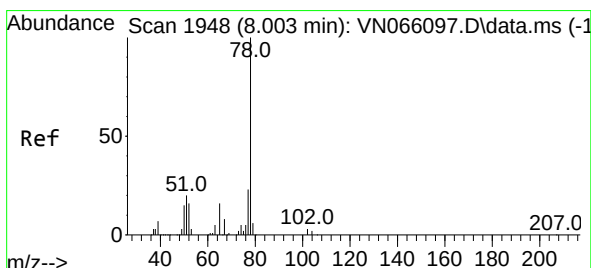
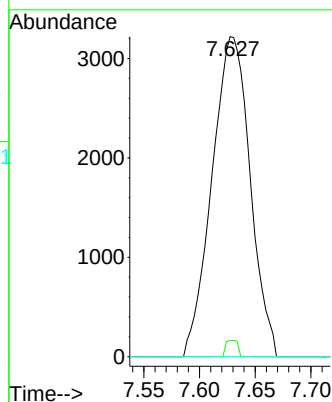
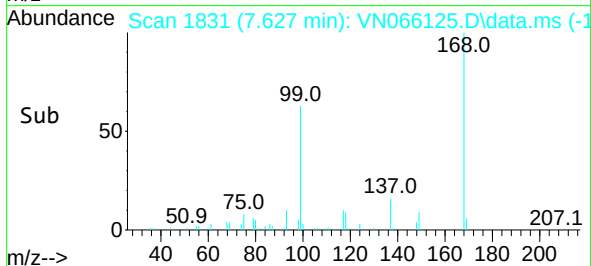


#38
Carbon Tetrachloride
Concen: 4.94 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

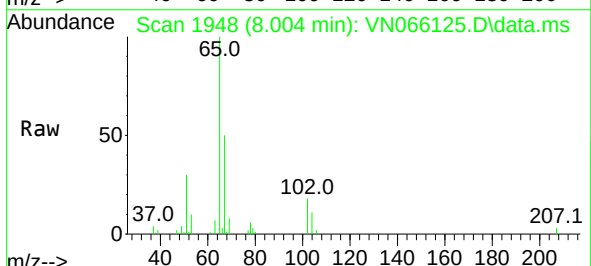
Instrument :
MSVOA_N
ClientSampleId :
41116



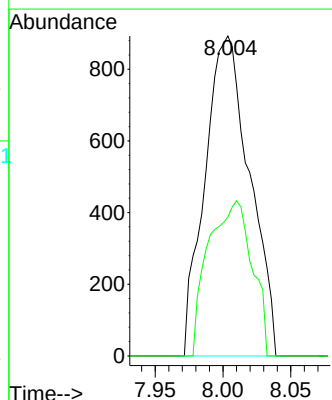
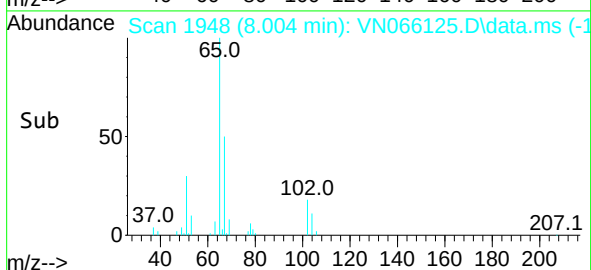
Tgt Ion:117 Resp: 7681
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.5 36.7#

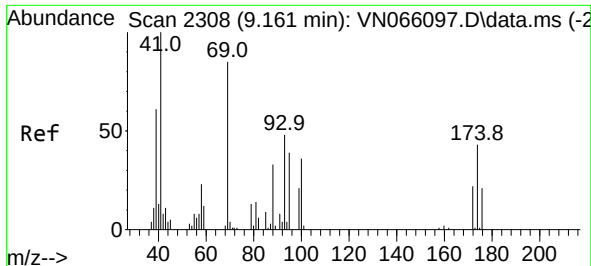


#40
Benzene
Concen: 0.51 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23



Tgt Ion: 78 Resp: 2052
Ion Ratio Lower Upper
78 100
77 43.4 19.0 28.4#

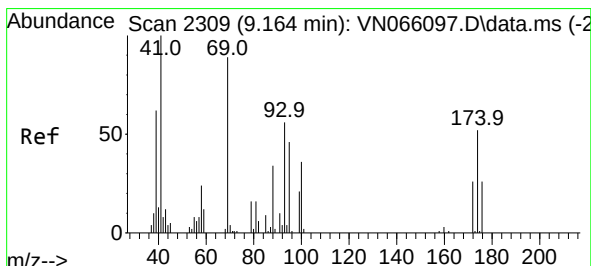
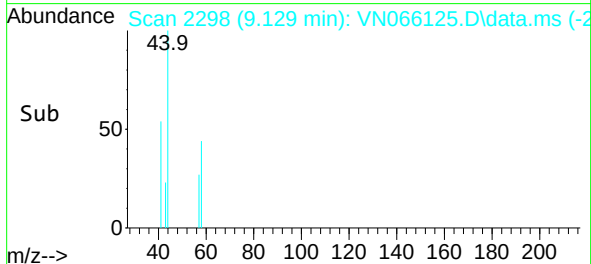
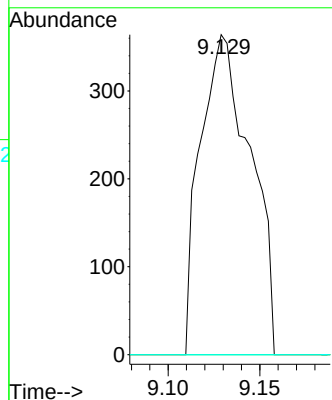
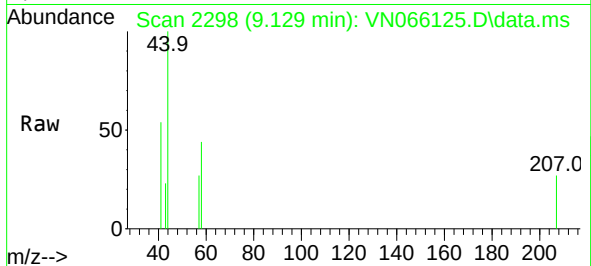




#48
Methyl methacrylate
Concen: 0.73 ug/l
RT: 9.129 min Scan# 2298
Delta R.T. -0.032 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

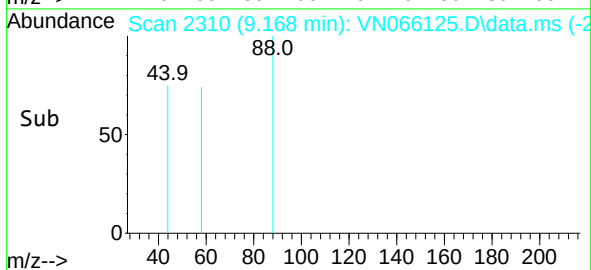
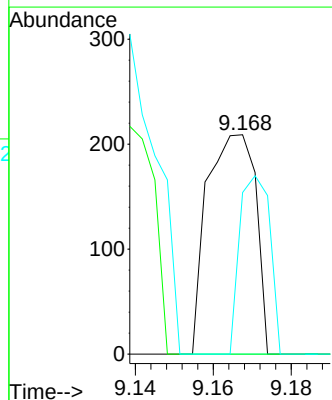
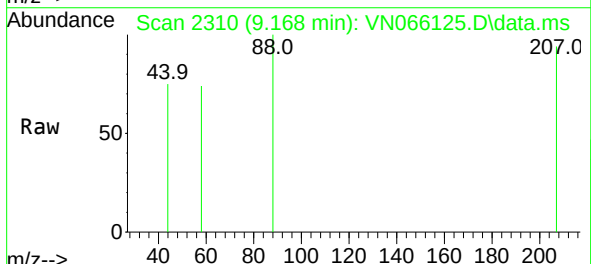
Instrument :
MSVOA_N
ClientSampled :
41116

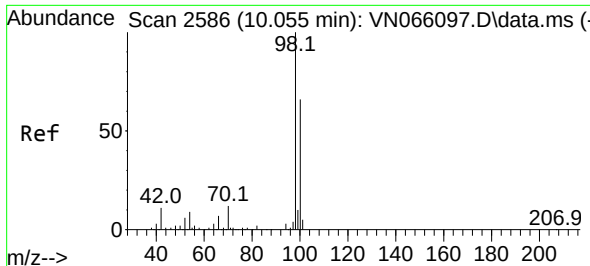
Tgt Ion: 41 Resp: 692
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 55.81 ug/l
RT: 9.168 min Scan# 2310
Delta R.T. 0.004 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 50.8 52.6 78.8#

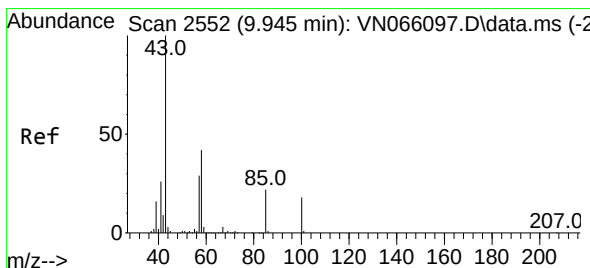
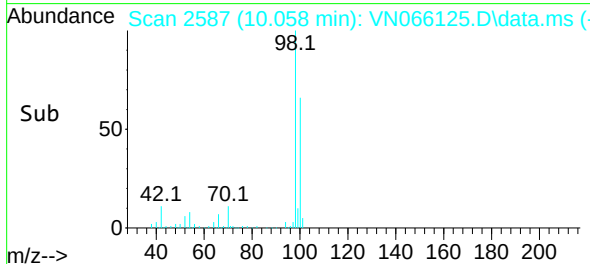
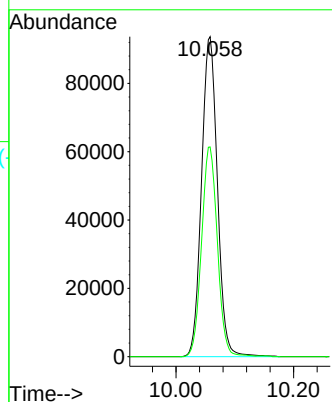
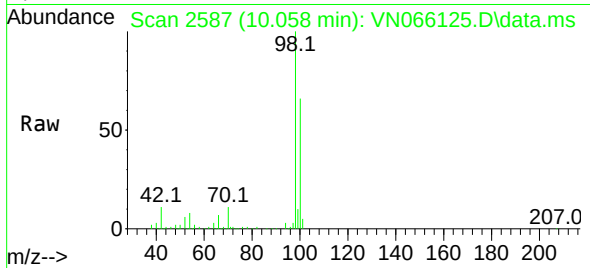




#50
Toluene-d8
Concen: 49.50 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

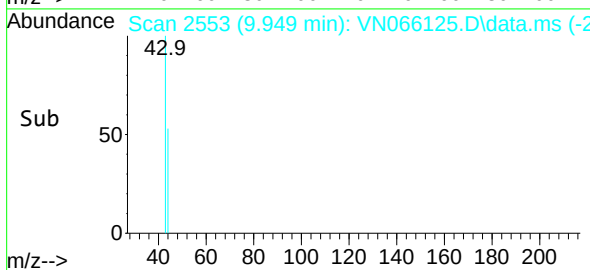
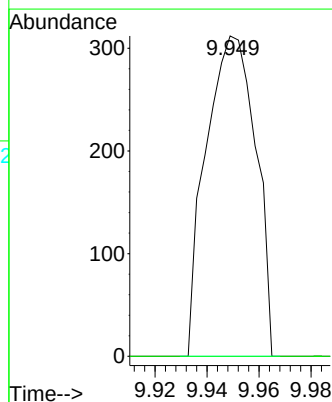
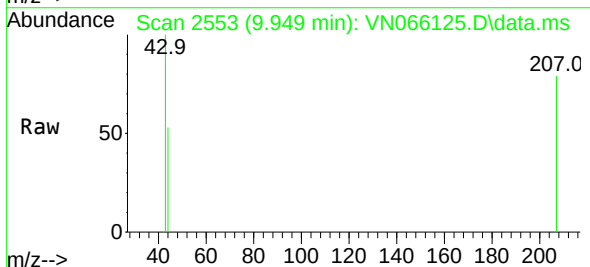
Instrument :
MSVOA_N
ClientSampleId :
41116

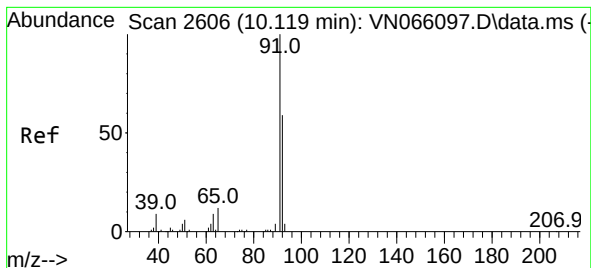
Tgt Ion: 98 Resp: 175520
Ion Ratio Lower Upper
98 100
100 65.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. 0.004 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#

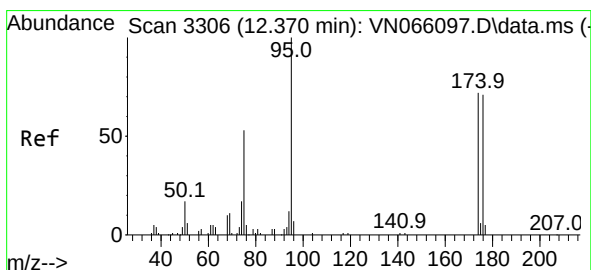
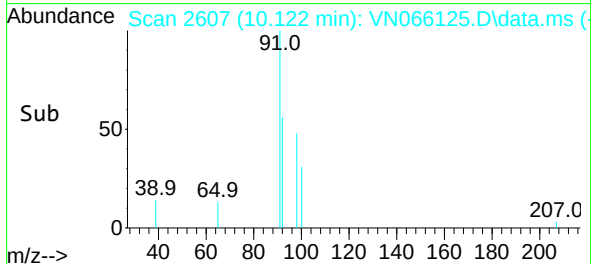
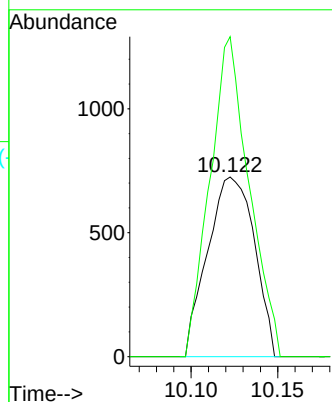
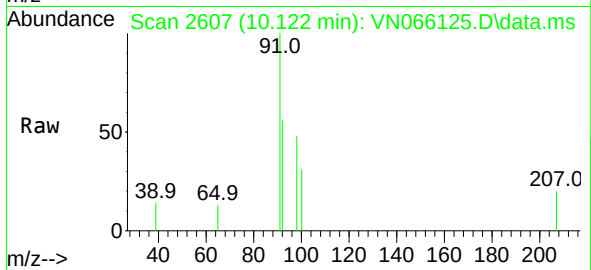




#52
Toluene
Concen: 0.53 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

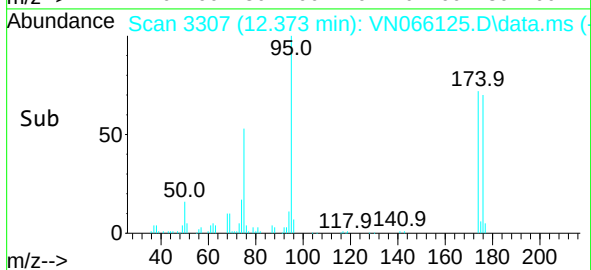
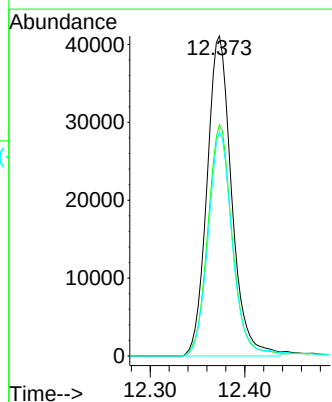
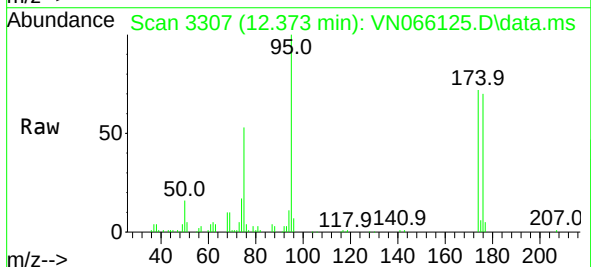
Instrument :
MSVOA_N
ClientSampled :
41116

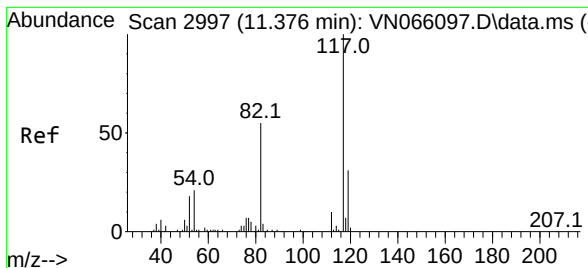
Tgt Ion: 92 Resp: 1361
Ion Ratio Lower Upper
92 100
91 149.4 140.7 211.1



#62
4-Bromofluorobenzene
Concen: 54.42 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 95 Resp: 74315
Ion Ratio Lower Upper
95 100
174 71.8 0.0 169.0
176 69.2 0.0 162.4

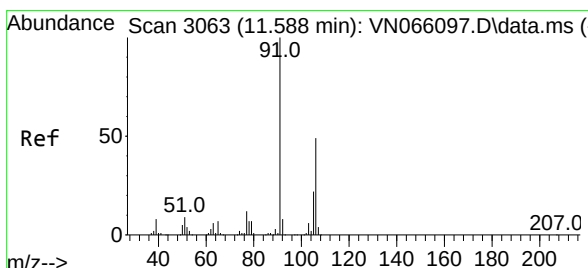
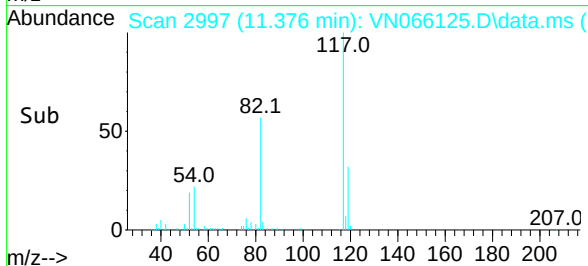
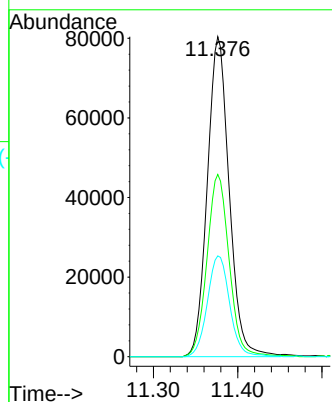
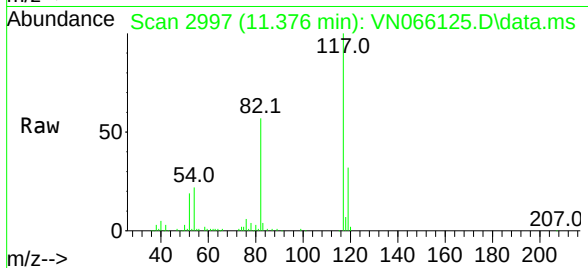




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

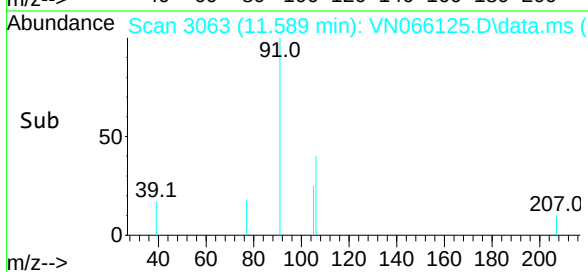
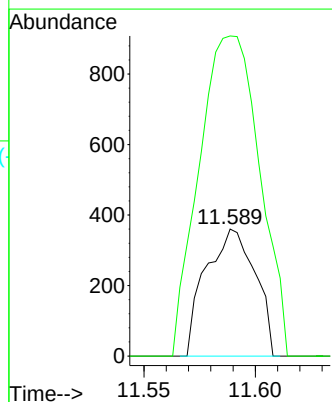
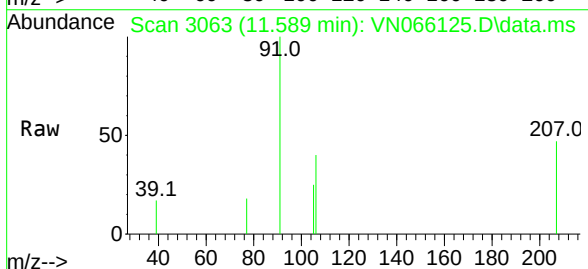
Instrument :
MSVOA_N
ClientSampleId :
41116

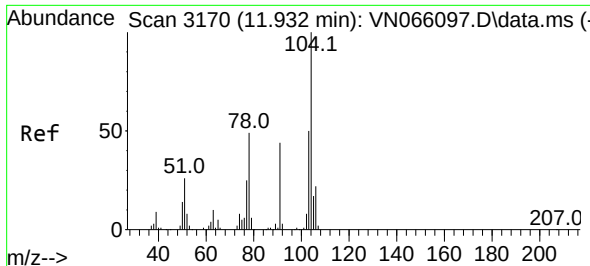
Tgt Ion:117 Resp: 145299
Ion Ratio Lower Upper
117 100
82 56.9 43.7 65.5
119 31.5 26.1 39.1



#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. 0.001 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion:106 Resp: 555
Ion Ratio Lower Upper
106 100
91 309.0 161.4 242.0#

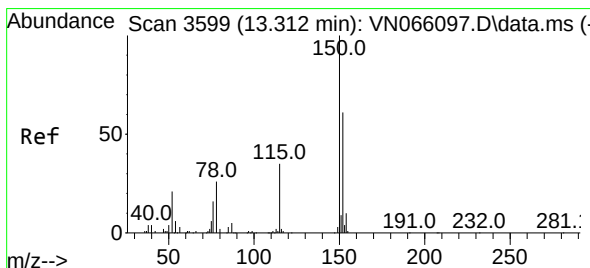
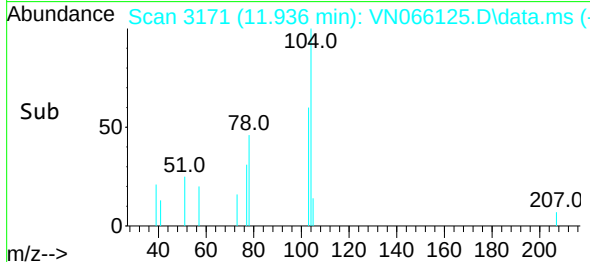
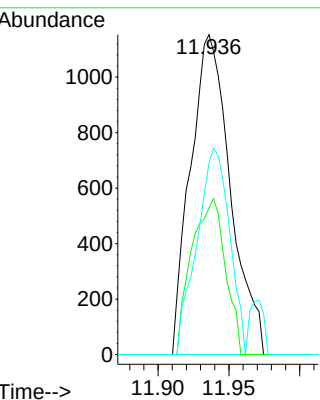
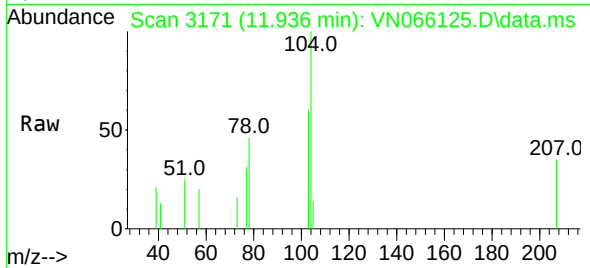




#70
Styrene
Concen: 0.70 ug/l
RT: 11.936 min Scan# 3171
Delta R.T. 0.004 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

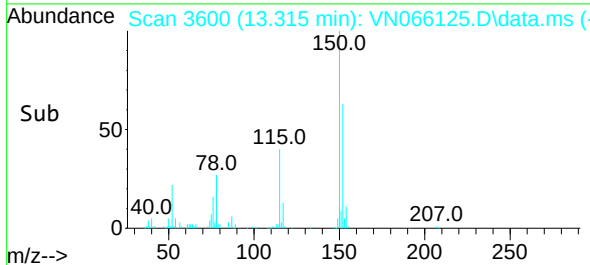
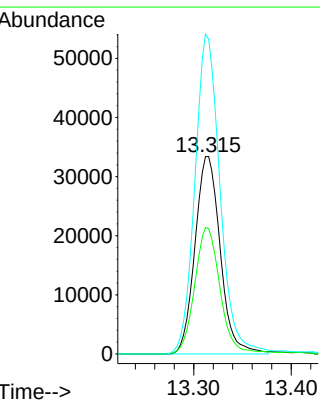
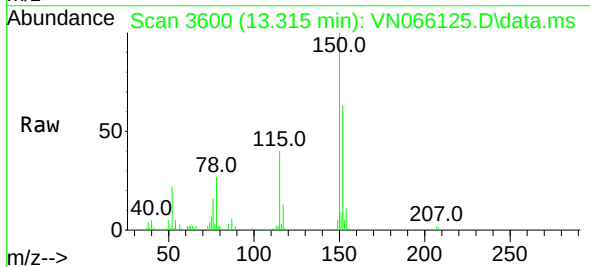
Instrument :
MSVOA_N
ClientSampleId :
41116

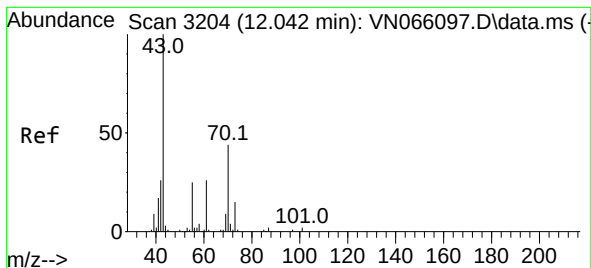
Tgt Ion:	104	Resp:	2261
Ion	Ratio	Lower	Upper
104	100		
78	41.1	39.0	58.4
103	52.7	44.5	66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

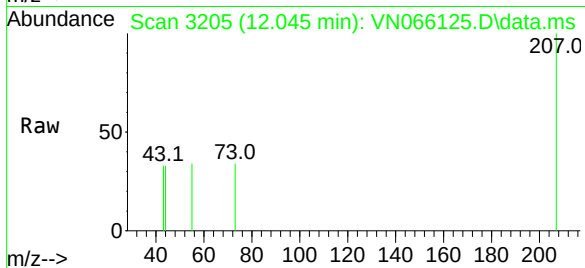
Tgt Ion:	152	Resp:	60200
Ion	Ratio	Lower	Upper
152	100		
115	64.4	28.5	85.6
150	162.5	0.0	347.6





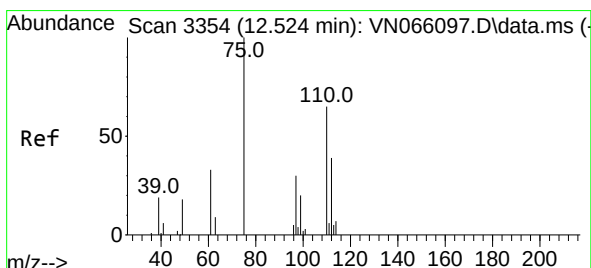
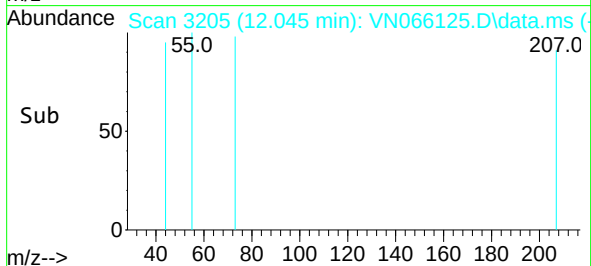
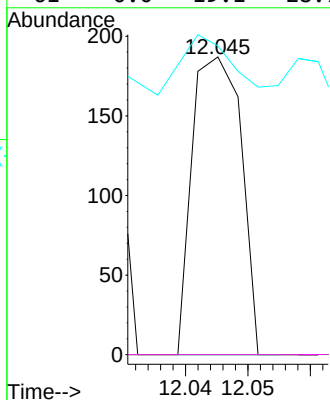
#74
N-amy1 acetate
Concen: 3.26 ug/l
RT: 12.045 min Scan# 3205
Delta R.T. 0.003 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
41116



Tgt Ion: 43 Resp: 102

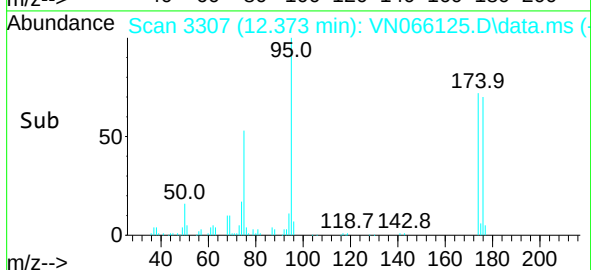
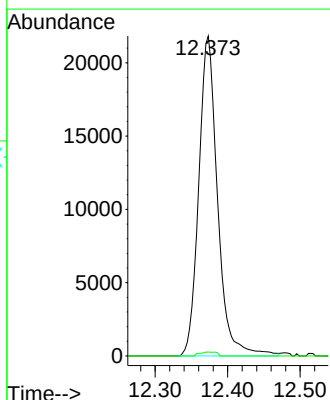
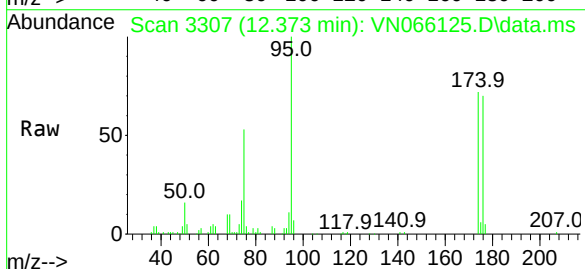
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	20.7	31.1#
61	0.0	19.1	28.7#

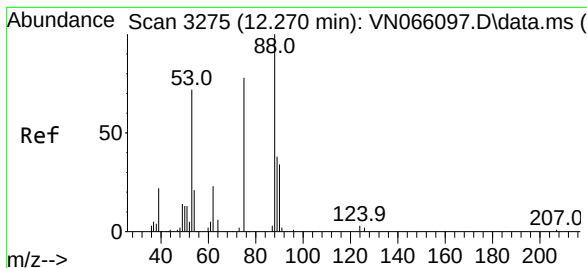


#76
1,2,3-Trichloropropane
Concen: 29.62 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 75 Resp: 39367

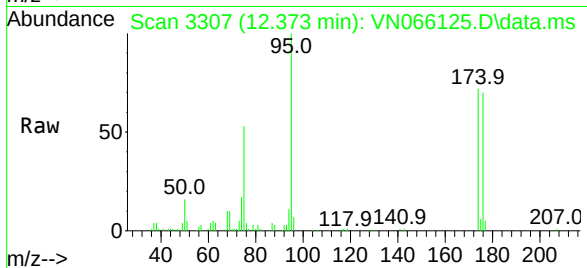
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



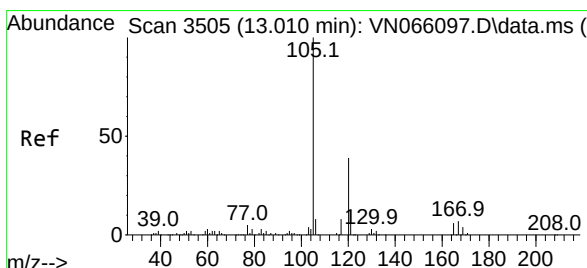
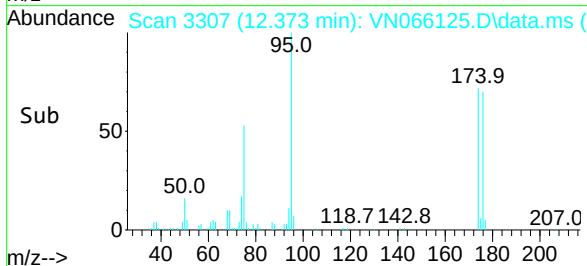
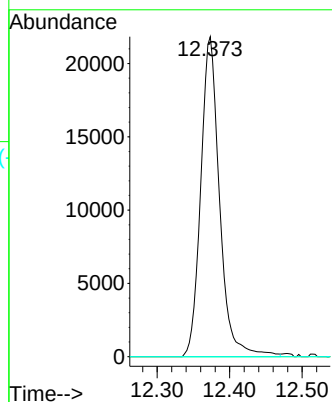


#81
trans-1,4-Dichloro-2-butene
Concen: 87.14 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Instrument :
MSVOA_N
ClientSampleId :
41116

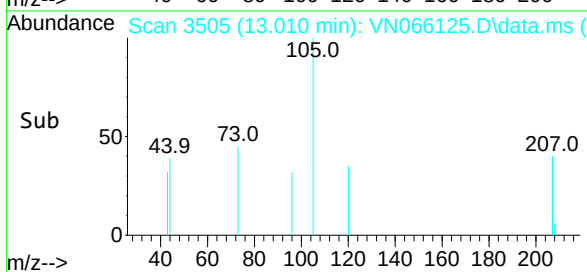
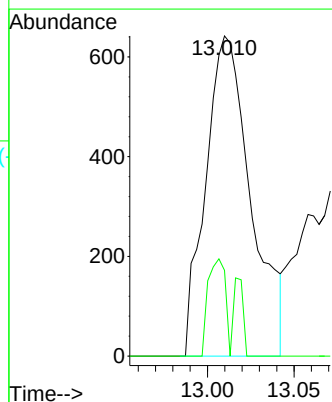
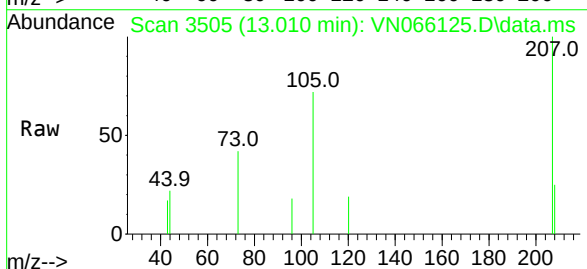


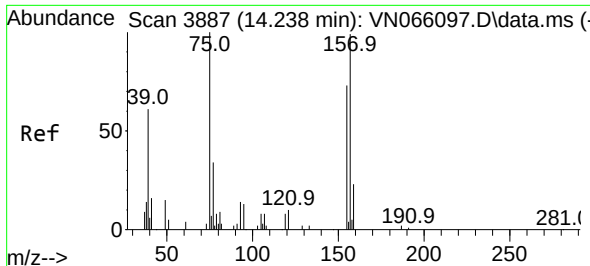
Tgt Ion: 75 Resp: 39367
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.27 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 105 Resp: 1169
Ion Ratio Lower Upper
105 100
120 11.5 22.4 67.0#

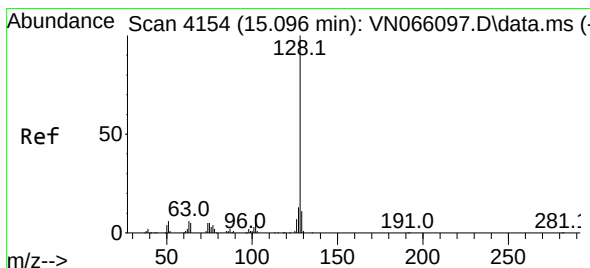
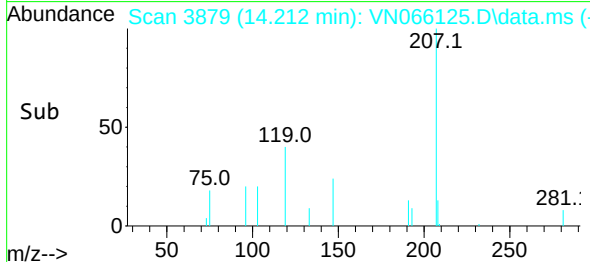
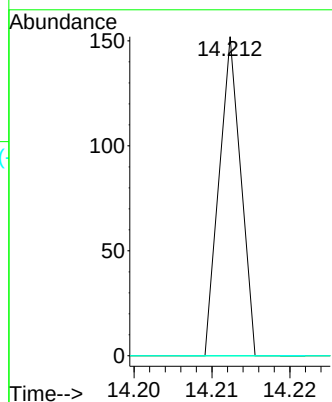
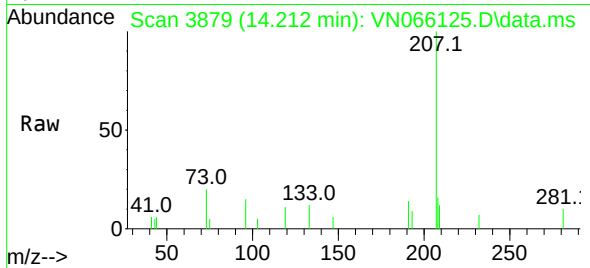




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.212 min Scan# 3879
Delta R.T. -0.026 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Instrument :
MSVOA_N
ClientSampled :
41116

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: 6.62 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.004 min
Lab File: VN066125.D
Acq: 3 Mar 2021 15:23

Tgt Ion: 128 Resp: 22221
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 11.1 8.6 13.0

