

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062321\
 Data File : VN067457.D
 Acq On : 23 Jun 2021 15:15
 Operator : JC/MD
 Sample : M2746-02ME
 Misc : 10.85g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 05:03:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

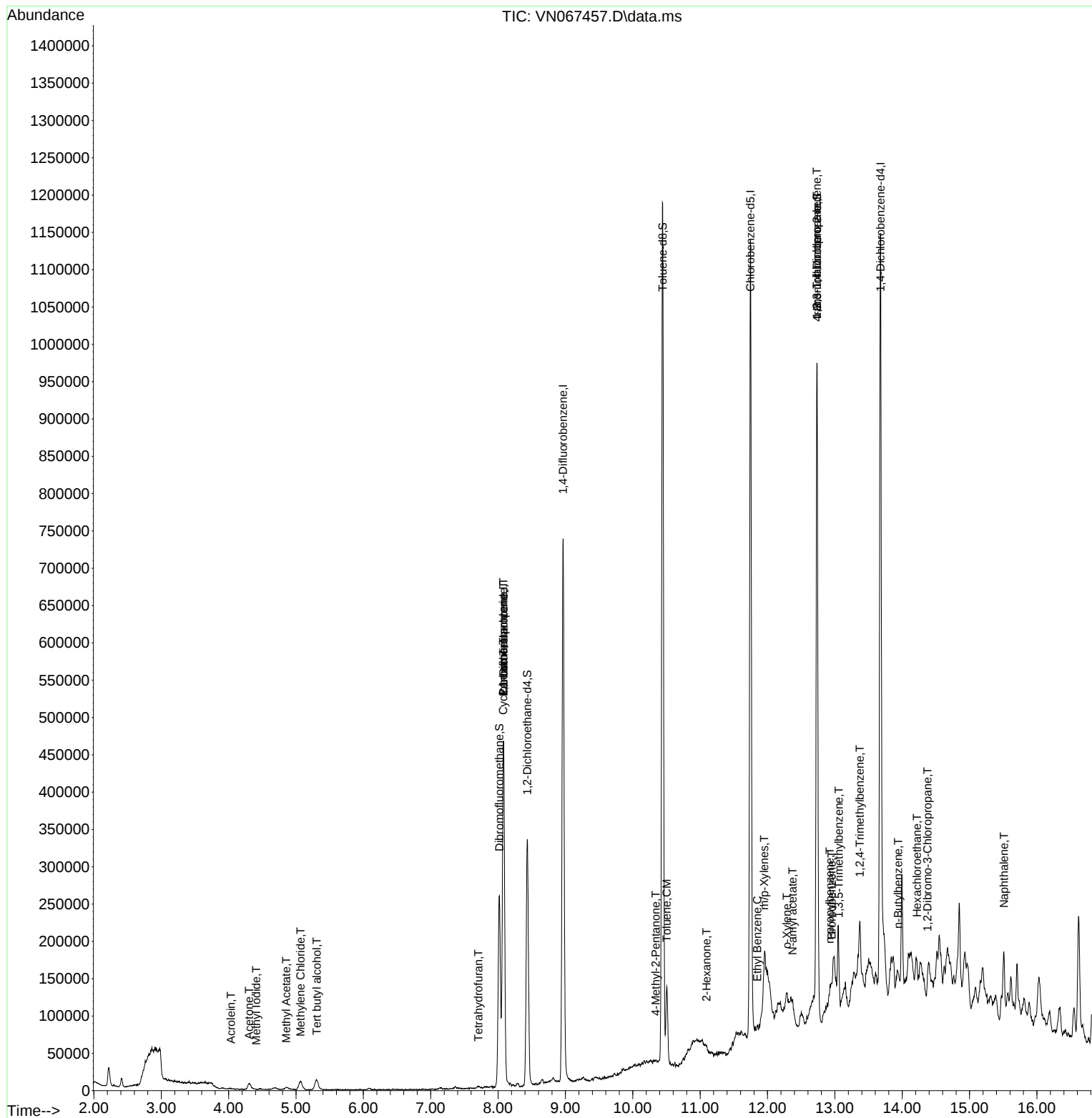
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	299150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	609053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	570975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	226984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	275980	46.765	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.540%
35) Dibromofluoromethane	8.019	113	184732	45.605	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.220%
50) Toluene-d8	10.443	98	813836	52.419	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.736	95	308870	48.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.420%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.409	142	28	6.750	ug/l #	33
11) Tert butyl alcohol	5.307	59	13959	14.369	ug/l #	72
13) Acrolein	4.033	56	469	0.773	ug/l #	75
16) Acetone	4.301	43	17279	7.630	ug/l	90
18) Methyl Acetate	4.854	43	1945	0.354	ug/l	98
20) Methylene Chloride	5.068	84	9707	2.060	ug/l #	79
29) Tetrahydrofuran	7.708	42	2156	1.057	ug/l #	53
31) Cyclohexane	8.075	56	12113	1.510	ug/l #	59
36) 1,1-Dichloropropene	8.080	75	34718	5.085	ug/l #	44
38) Carbon Tetrachloride	8.080	117	37930	5.168	ug/l #	17
51) 4-Methyl-2-Pentanone	10.341	43	1887	0.252	ug/l #	39
52) Toluene	10.505	92	39404	3.288	ug/l	99
59) 2-Hexanone	11.095	43	2397	0.438	ug/l	82
67) Ethyl Benzene	11.849	91	9597	0.391	ug/l	94
68) m/p-Xylenes	11.953	106	11352	1.300	ug/l	97
69) o-Xylene	12.286	106	3461	0.405	ug/l	66
74) N-amyl acetate	12.371	43	6072	0.571	ug/l #	48
76) 1,2,3-Trichloropropane	12.734	75	180895	30.689	ug/l #	100
77) Bromobenzene	12.951	156	8616	1.943	ug/l #	1
78) n-propylbenzene	12.924	91	12387	0.478	ug/l	88
80) 1,3,5-Trimethylbenzene	13.061	105	7875	0.429	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.734	75	180895	76.058	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.372	105	40975	2.260	ug/l	95
89) n-Butylbenzene	13.940	91	12237	0.780	ug/l #	77
90) Hexachloroethane	14.219	117	1707	0.523	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.375	75	397	0.245	ug/l	78
95) Naphthalene	15.509	128	67348	7.238	ug/l	99

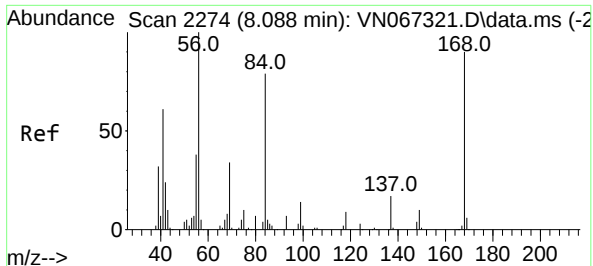
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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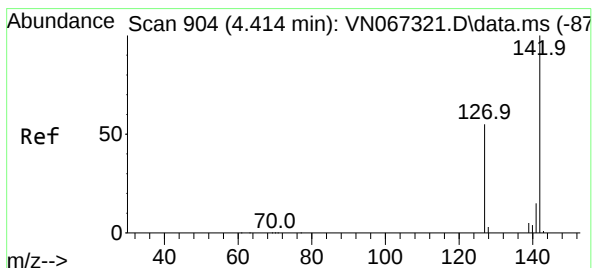
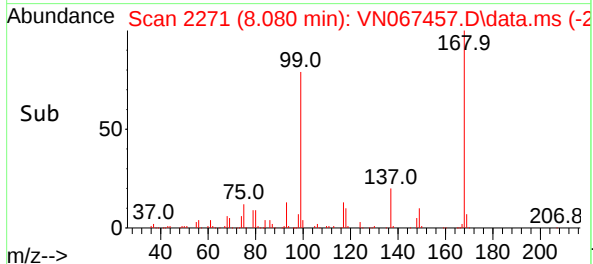
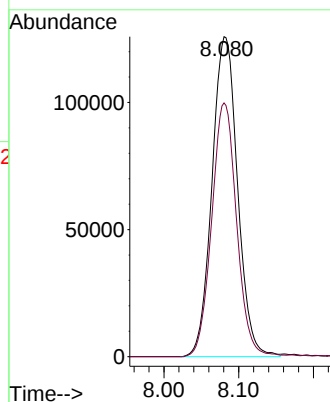
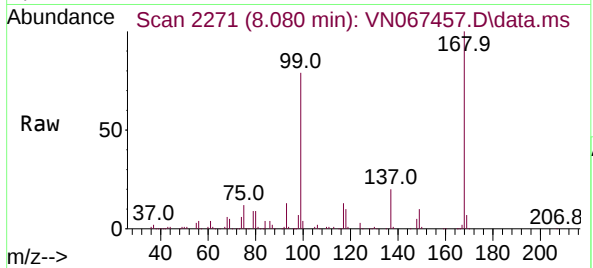




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.008 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

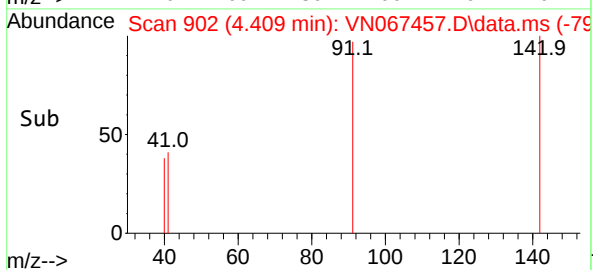
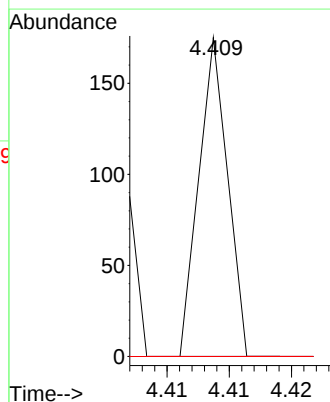
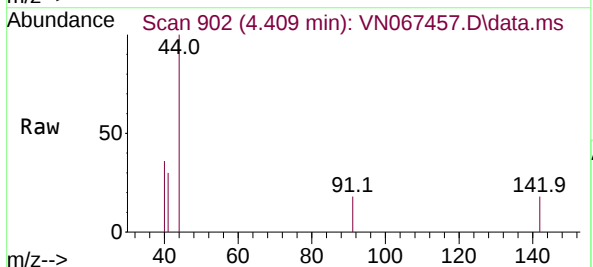
Instrument :
MSVOA_N
ClientSampled :

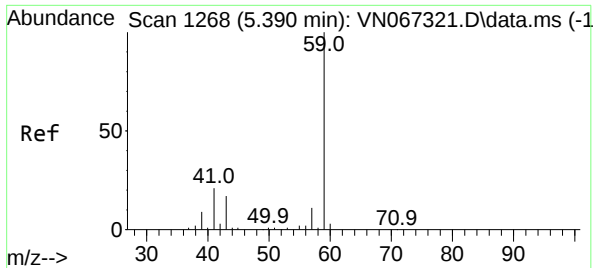
Tgt Ion:168 Resp: 299150
Ion Ratio Lower Upper
168 100
99 79.3 62.9 94.3



#10
Methyl Iodide
Concen: 6.750 ug/l
RT: 4.409 min Scan# 902
Delta R.T. -0.005 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion:142 Resp: 28
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



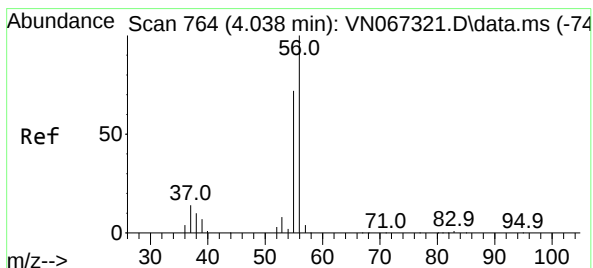
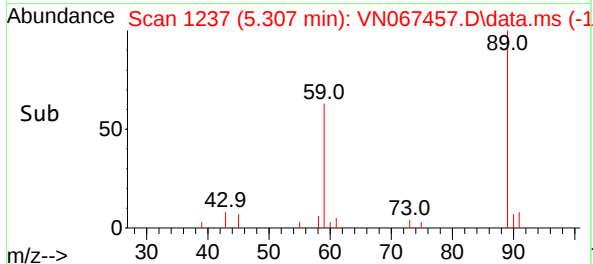
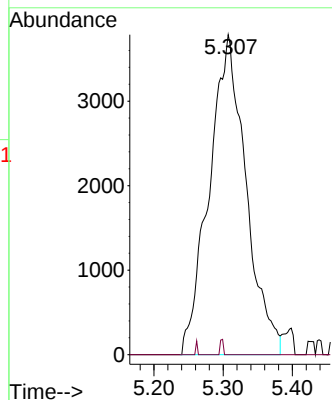
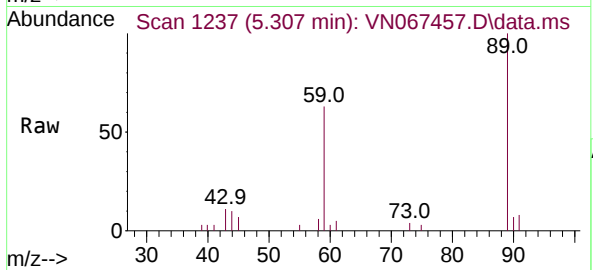


#11

Tert butyl alcohol
Concen: 14.369 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.083 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Instrument :
MSVOA_N
ClientSampled :

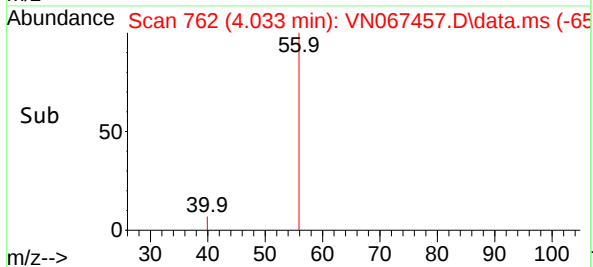
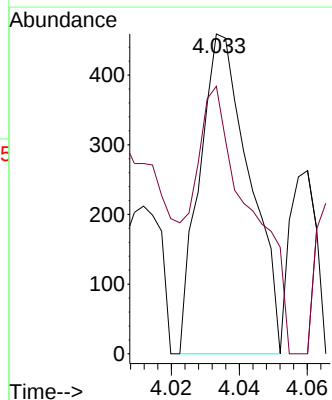
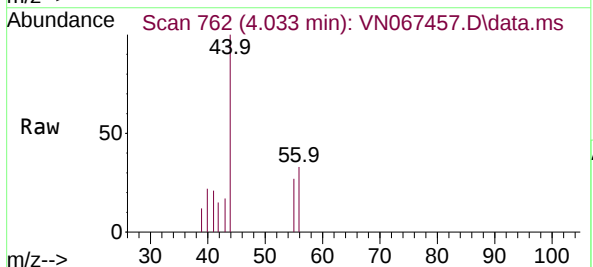
Tgt Ion: 59 Resp: 13959
Ion Ratio Lower Upper
59 100
57 0.4 8.7 13.1#

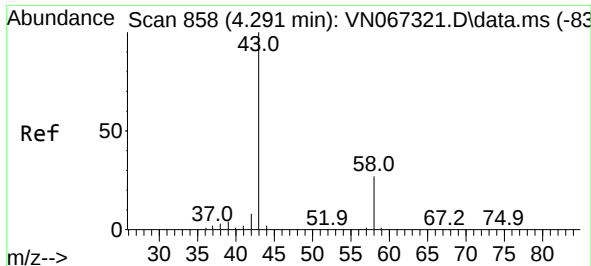


#13

Acrolein
Concen: 0.773 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 56 Resp: 469
Ion Ratio Lower Upper
56 100
55 92.8 57.4 86.0#

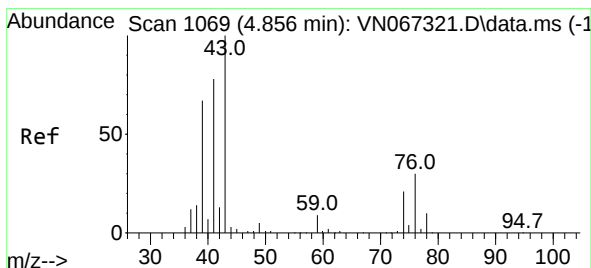
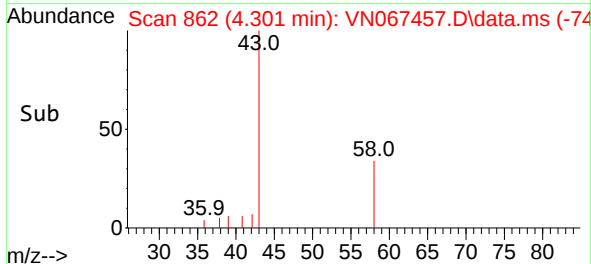
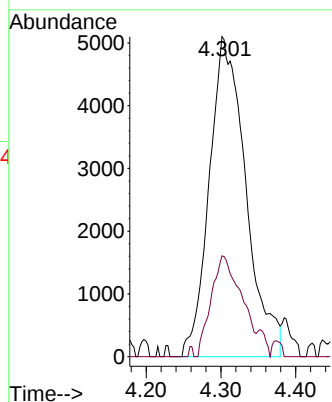
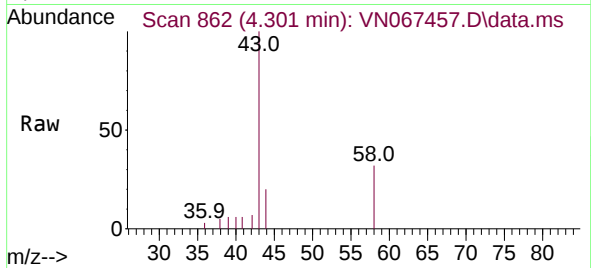




#16
Acetone
Concen: 7.630 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

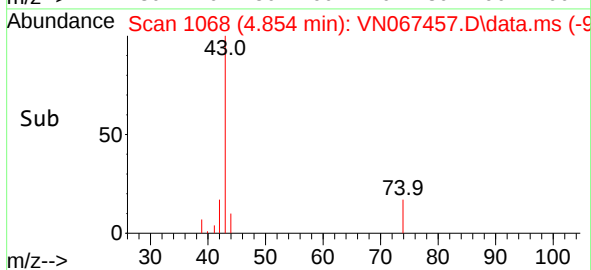
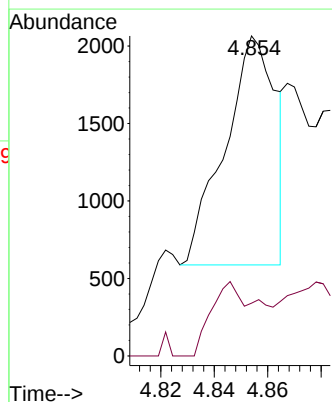
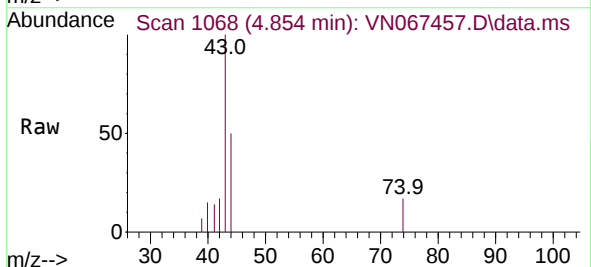
Instrument :
MSVOA_N
ClientSampled :

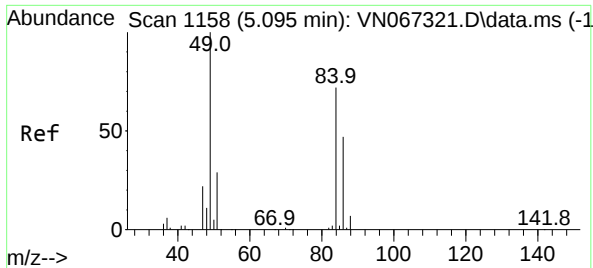
Tgt Ion: 43 Resp: 17279
Ion Ratio Lower Upper
43 100
58 31.5 21.2 31.8



#18
Methyl Acetate
Concen: 0.354 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.002 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 43 Resp: 1945
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0





#20

Methylene Chloride

Concen: 2.060 ug/l

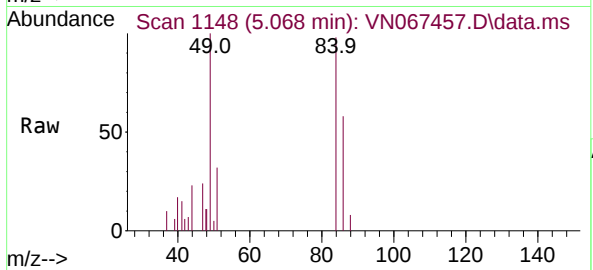
RT: 5.068 min Scan# 1148

Delta R.T. -0.027 min

Lab File: VN067457.D

Acq: 23 Jun 2021 15:15

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 9707

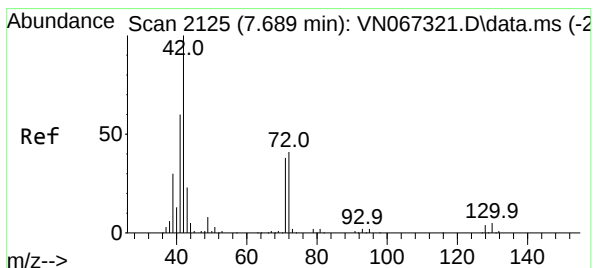
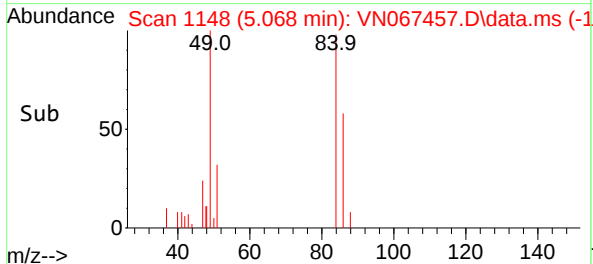
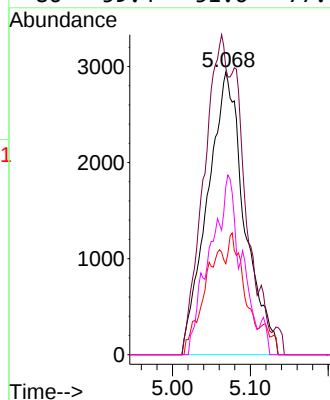
Ion Ratio Lower Upper

84 100

49 101.6 110.9 166.3#

51 32.2 32.6 49.0#

86 59.4 51.6 77.4



#29

Tetrahydrofuran

Concen: 1.057 ug/l

RT: 7.708 min Scan# 2132

Delta R.T. 0.019 min

Lab File: VN067457.D

Acq: 23 Jun 2021 15:15

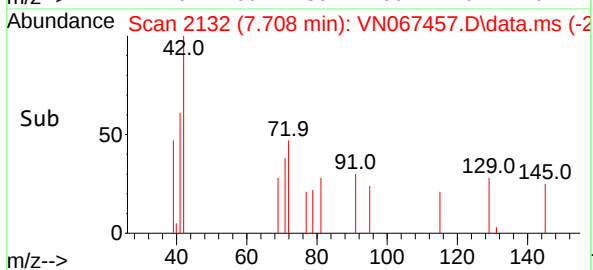
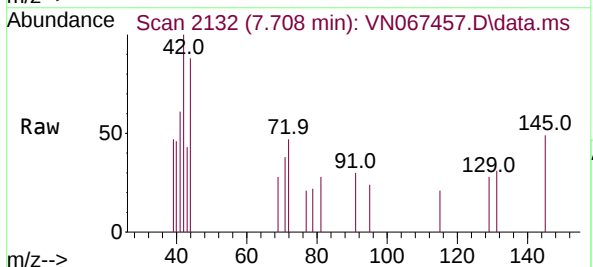
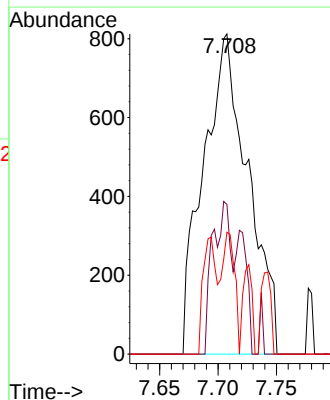
Tgt Ion: 42 Resp: 2156

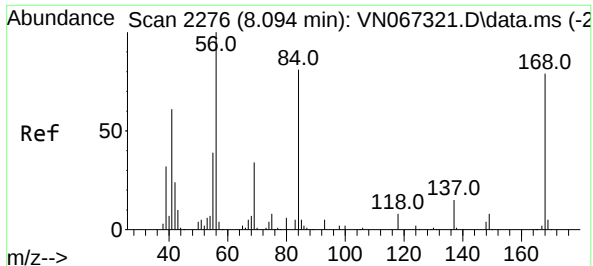
Ion Ratio Lower Upper

42 100

72 11.5 32.8 49.2#

71 10.9 31.2 46.8#

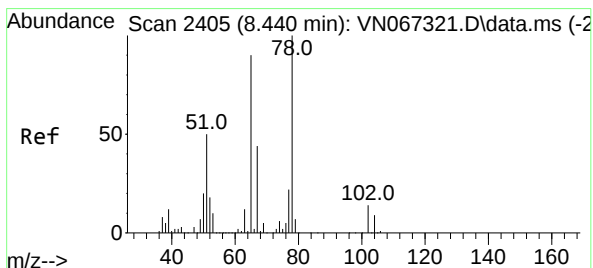
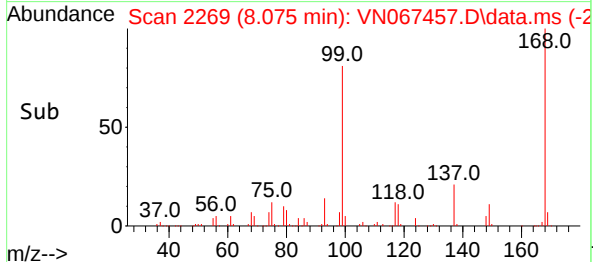
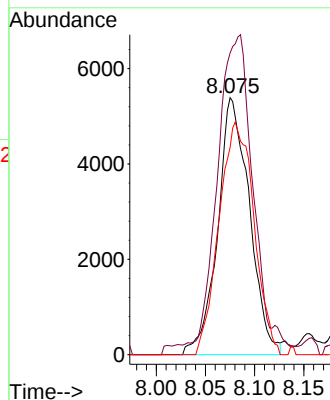
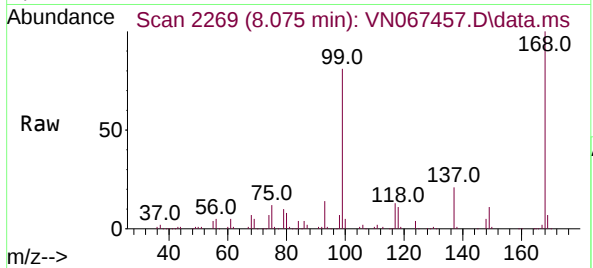




#31
Cyclohexane
Concen: 1.510 ug/l
RT: 8.075 min Scan# 2269
Delta R.T. -0.019 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

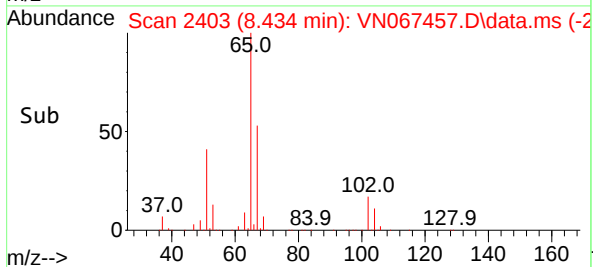
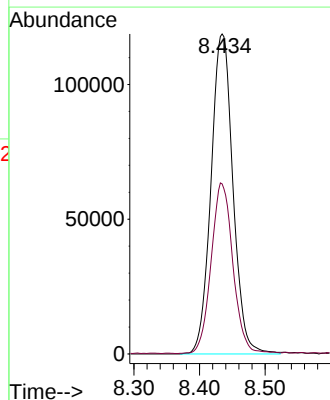
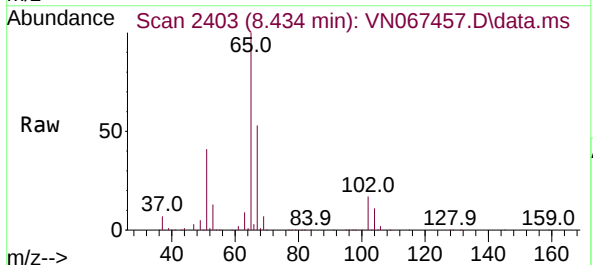
Instrument :
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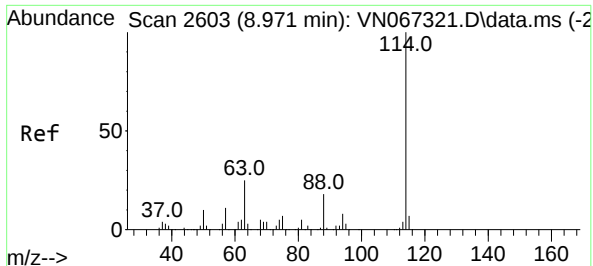
Tgt Ion: 56 Resp: 12113
Ion Ratio Lower Upper
56 100
69 113.6 27.3 40.9#
84 80.7 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 46.765 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 65 Resp: 275980
Ion Ratio Lower Upper
65 100
67 52.7 0.0 98.6

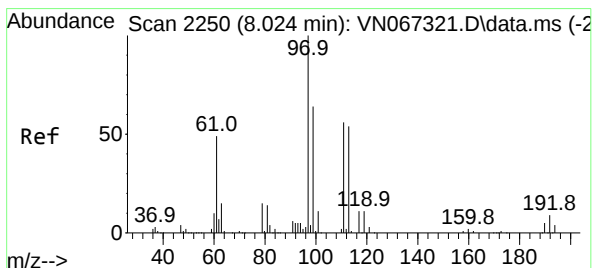
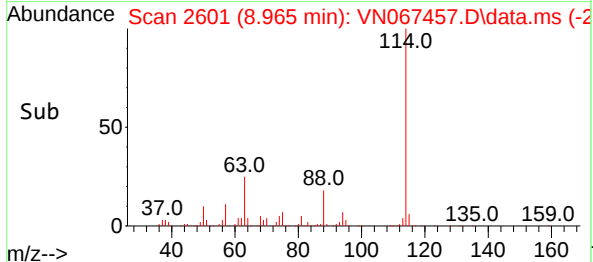
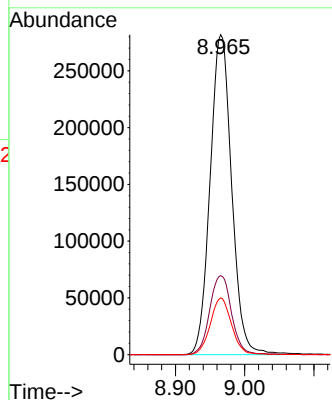
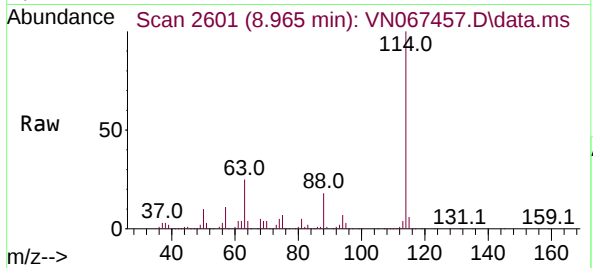




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.005 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

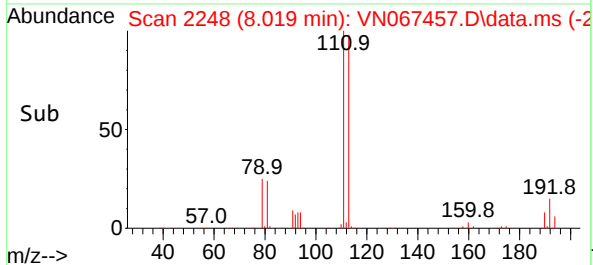
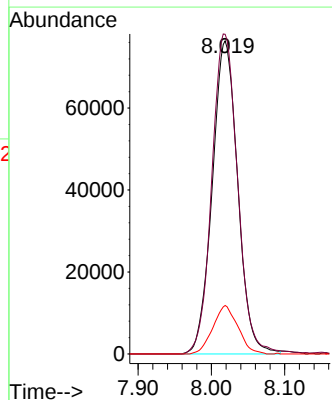
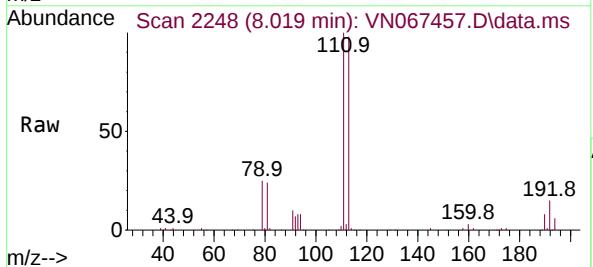
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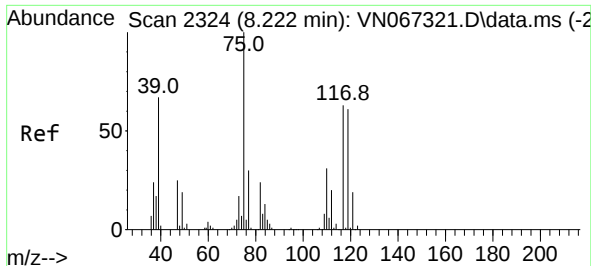
Tgt Ion:	114	Resp:	609053
Ion Ratio	Lower	Upper	
114	100		
63	24.7	0.0	49.0
88	17.8	0.0	36.6



#35
Dibromofluoromethane
Concen: 45.605 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion:	113	Resp:	184732
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.8	125.8
192	15.2	13.4	20.0

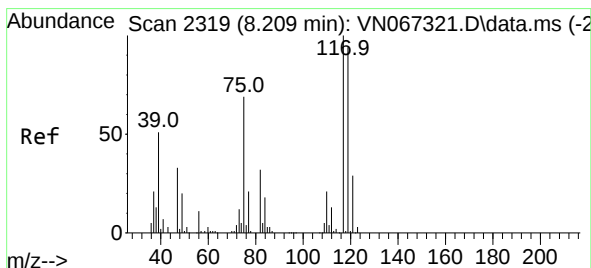
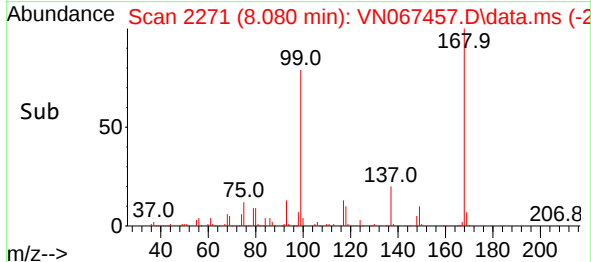
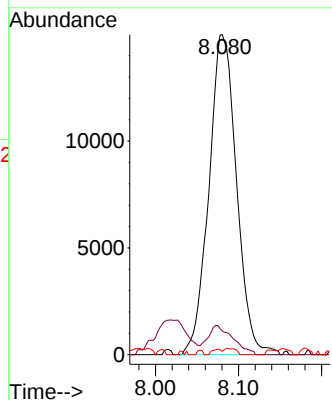
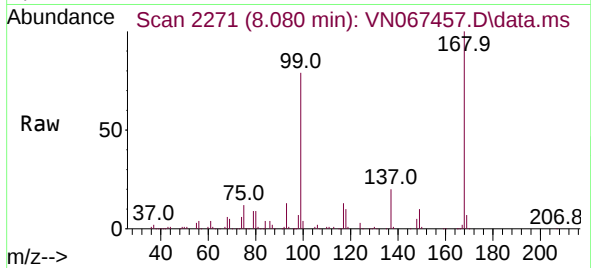




#36
1,1-Dichloropropene
Concen: 5.085 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

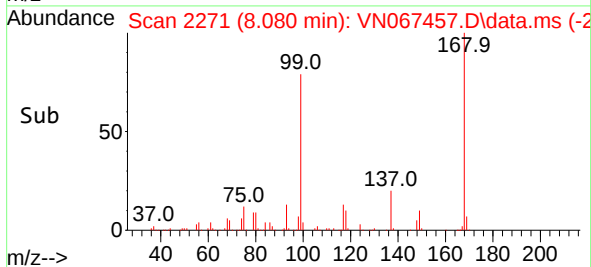
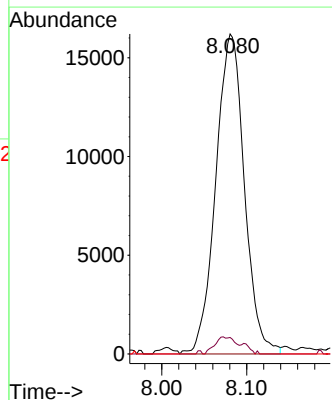
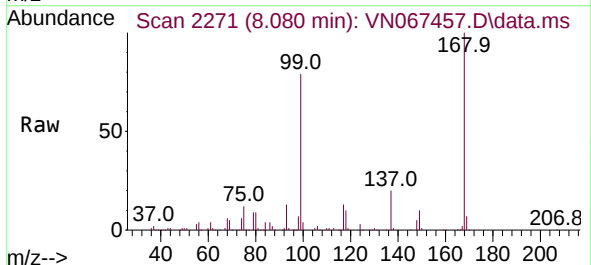
Instrument :
MSVOA_N
ClientSampleId :

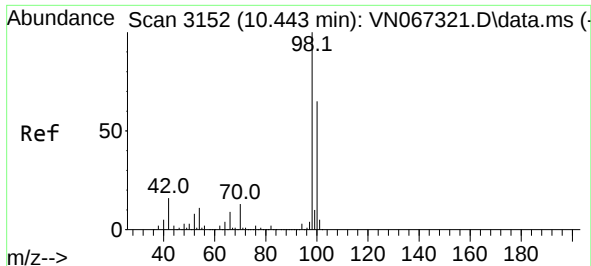
Tgt Ion: 75 Resp: 34718
Ion Ratio Lower Upper
75 100
110 0.0 15.7 47.0#
77 0.8 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.129 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion:117 Resp: 37930
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

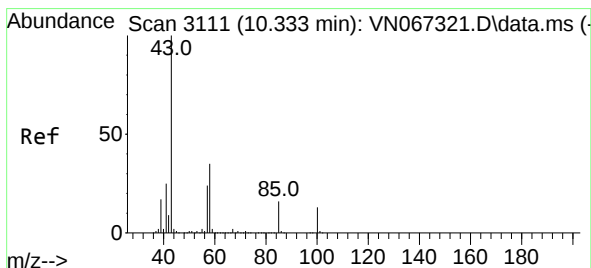
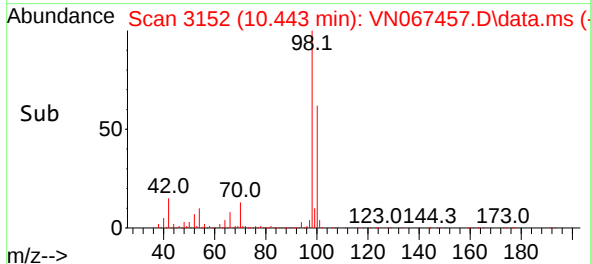
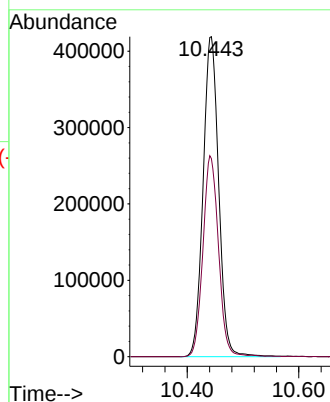
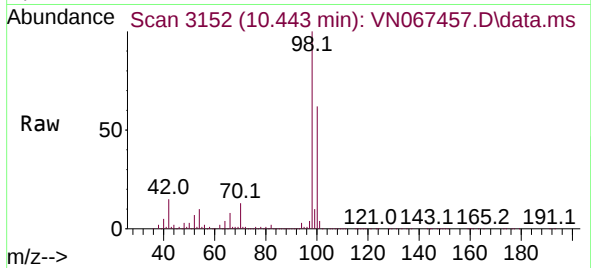




#50
Toluene-d8
Concen: 52.419 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

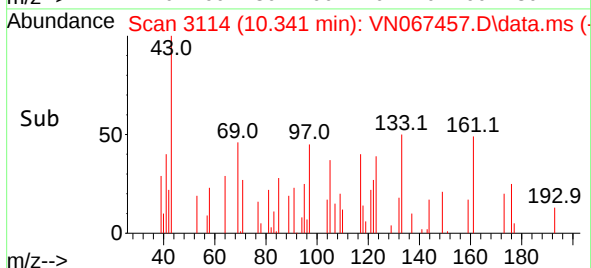
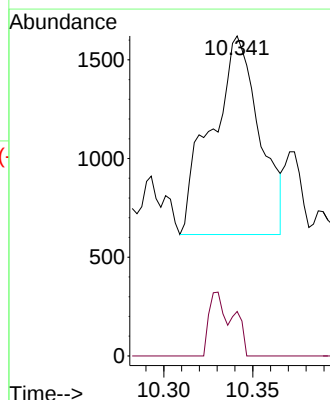
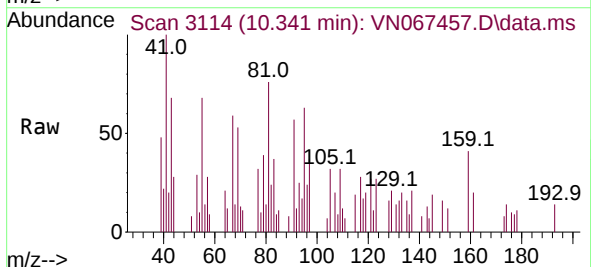
Instrument :
MSVOA_N
ClientSampleId :

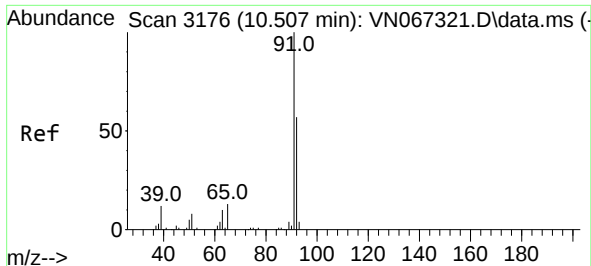
Tgt Ion: 98 Resp: 813836
Ion Ratio Lower Upper
98 100
100 62.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.252 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

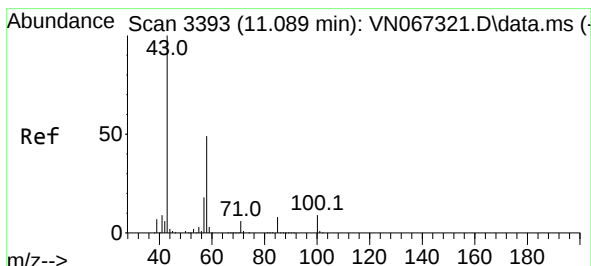
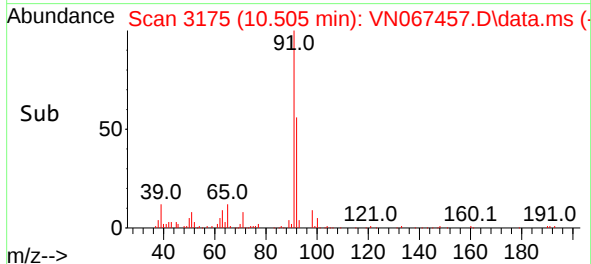
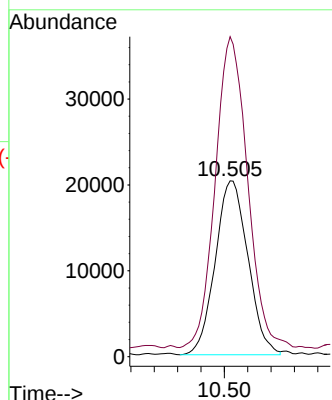
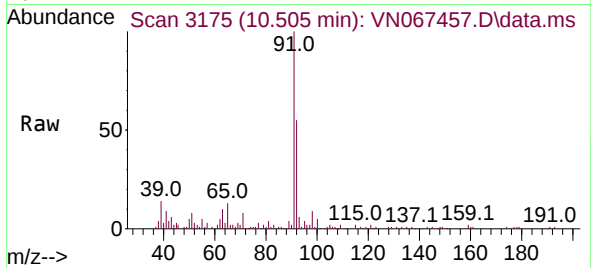




#52
Toluene
Concen: 3.288 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.002 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

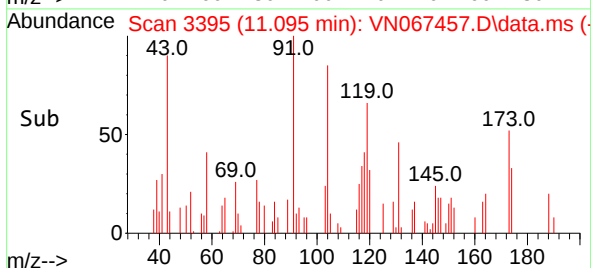
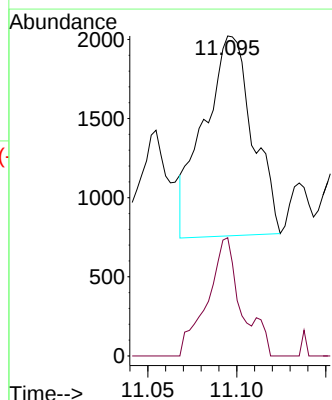
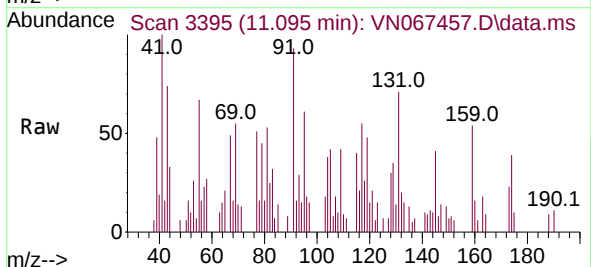
Instrument :
MSVOA_N
ClientSampleId :

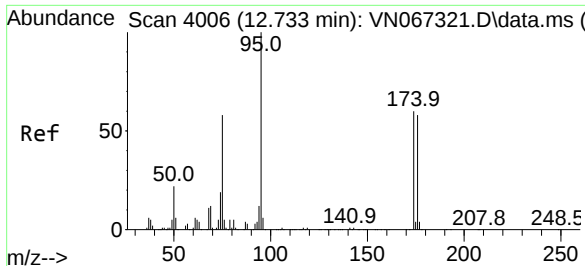
Tgt Ion: 92 Resp: 39404
Ion Ratio Lower Upper
92 100
91 175.3 139.6 209.4



#59
2-Hexanone
Concen: 0.438 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
58 37.0 24.7 74.1

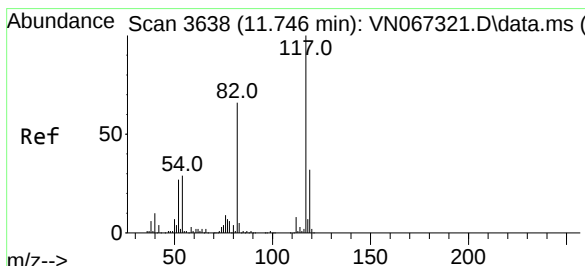
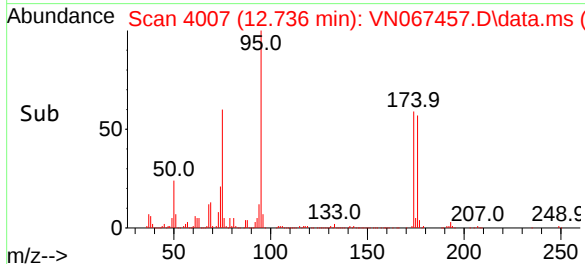
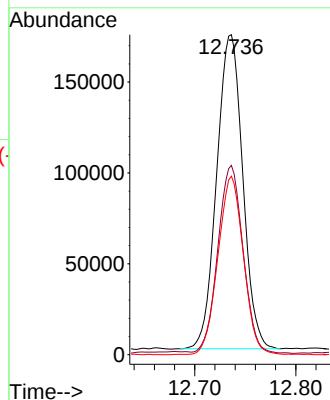
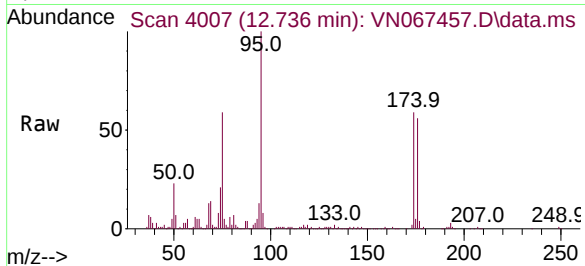




#62
4-Bromofluorobenzene
Concen: 48.207 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

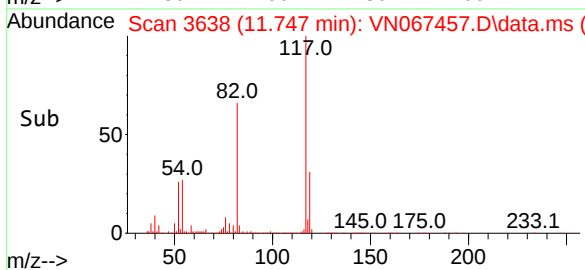
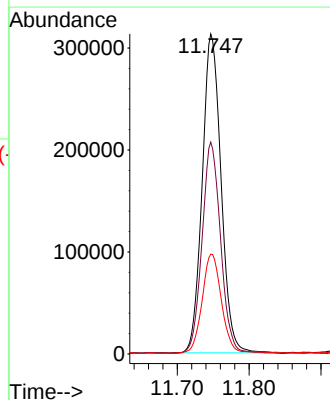
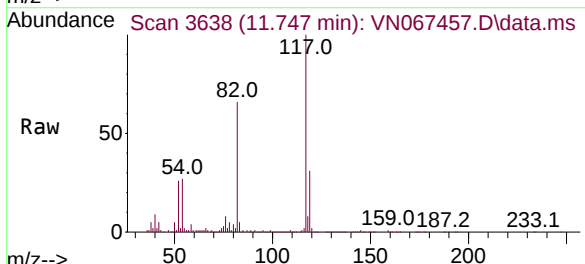
Instrument :
MSVOA_N
ClientSampleId :

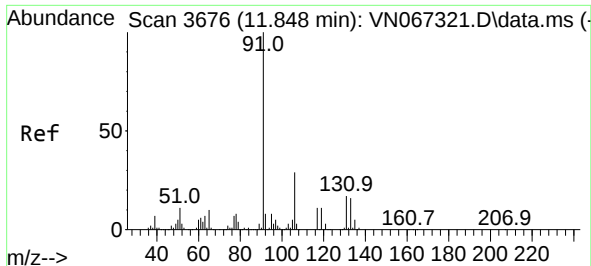
Tgt Ion: 95 Resp: 308870
Ion Ratio Lower Upper
95 100
174 57.6 0.0 122.0
176 55.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 117 Resp: 570975
Ion Ratio Lower Upper
117 100
82 66.2 53.1 79.7
119 30.9 25.5 38.3

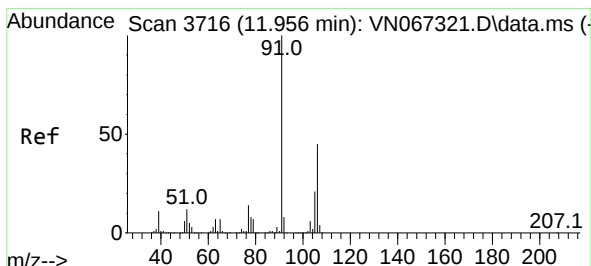
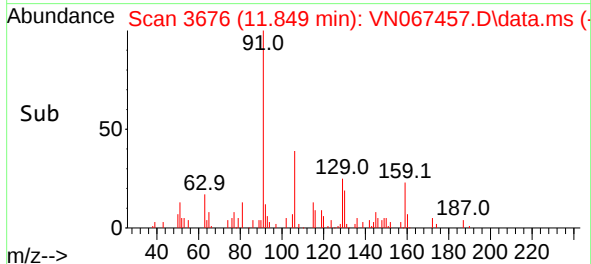
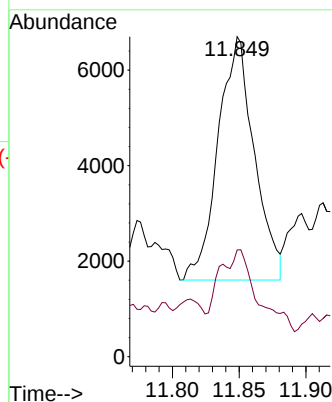
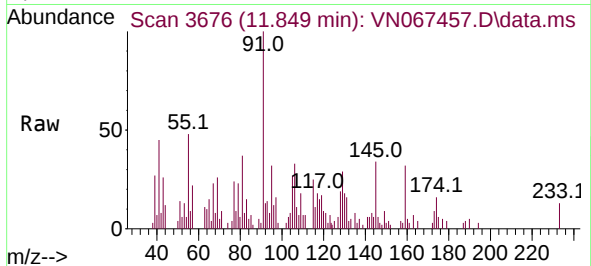




#67
Ethyl Benzene
Concen: 0.391 ug/l
RT: 11.849 min Scan# 3676
Delta R.T. 0.001 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

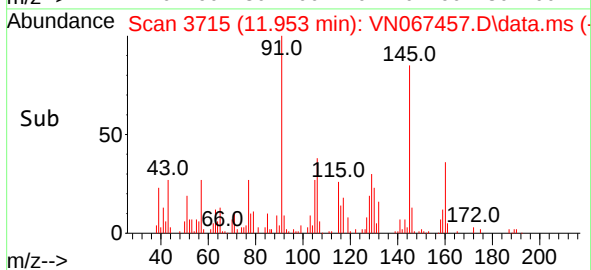
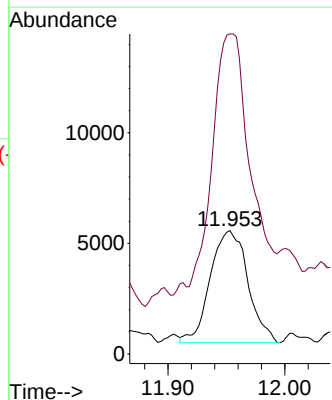
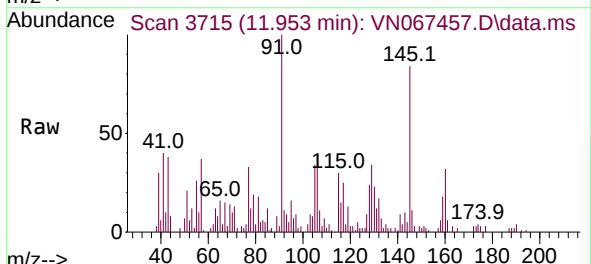
Instrument :
MSVOA_N
ClientSampleId :

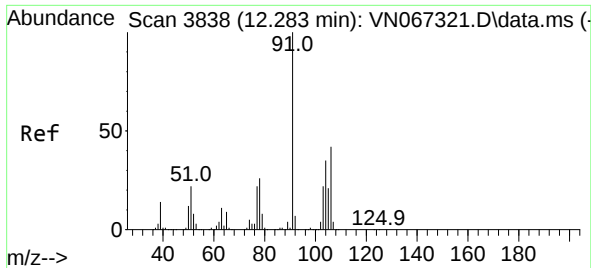
Tgt Ion: 91 Resp: 9597
Ion Ratio Lower Upper
91 100
106 26.1 23.4 35.0



#68
m/p-Xylenes
Concen: 1.300 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion:106 Resp: 11352
Ion Ratio Lower Upper
106 100
91 220.5 180.6 270.8

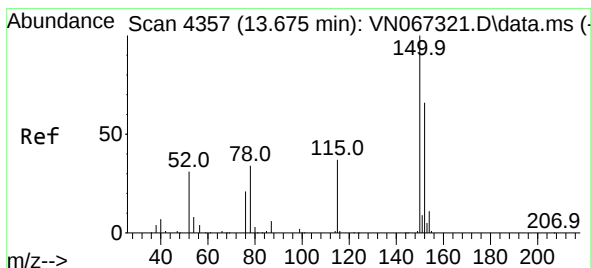
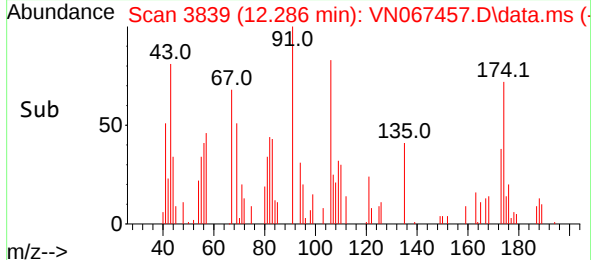
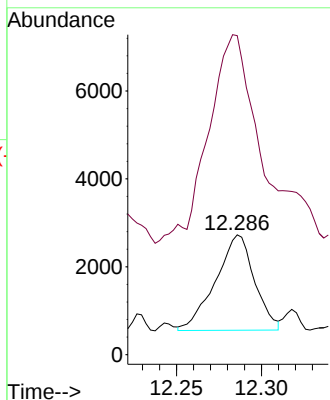
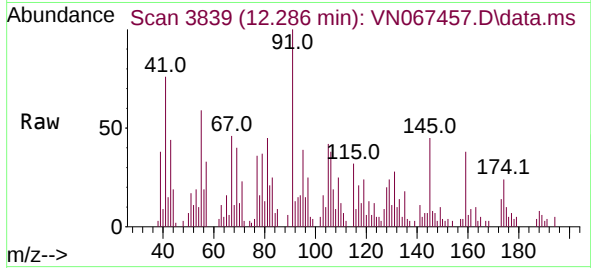




#69
o-Xylene
Concen: 0.405 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

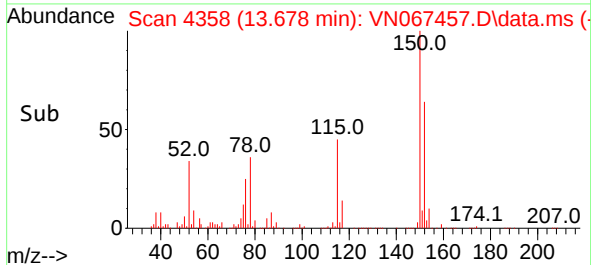
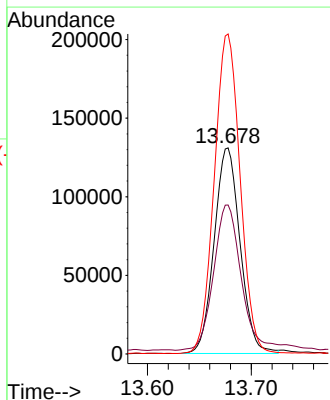
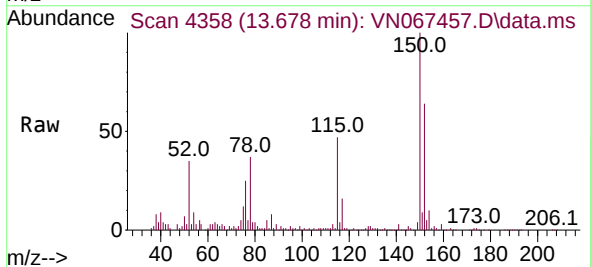
Instrument :
MSVOA_N
ClientSampled :

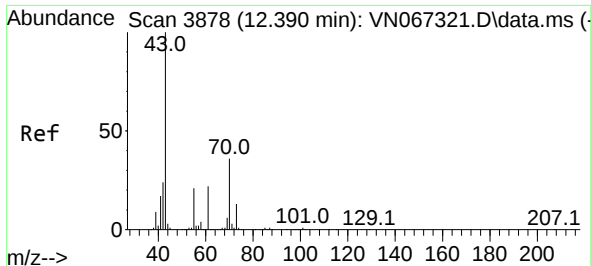
Tgt Ion:106 Resp: 3461
Ion Ratio Lower Upper
106 100
91 293.7 118.3 354.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

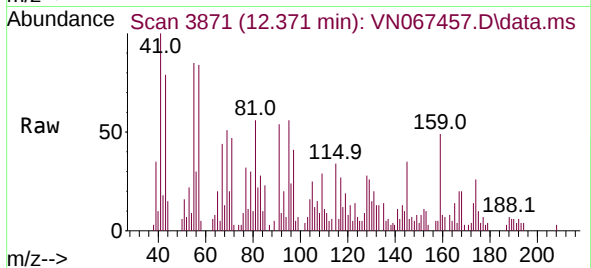
Tgt Ion:152 Resp: 226984
Ion Ratio Lower Upper
152 100
115 74.9 36.1 108.5
150 155.4 0.0 351.8



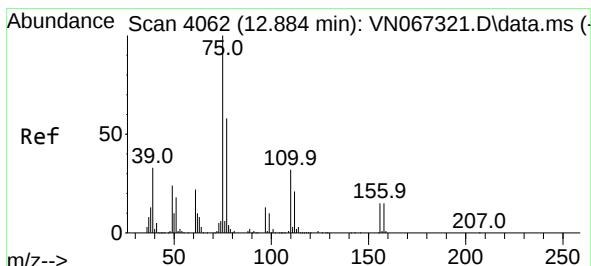
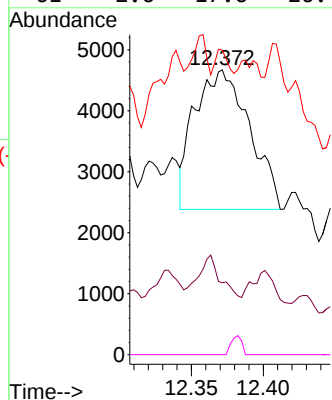
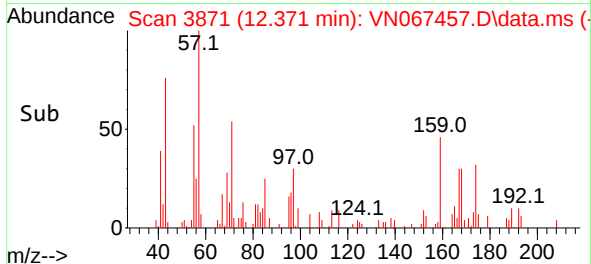


#74
N-amy1 acetate
Concen: 0.571 ug/l
RT: 12.371 min Scan# 3871
Delta R.T. -0.019 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

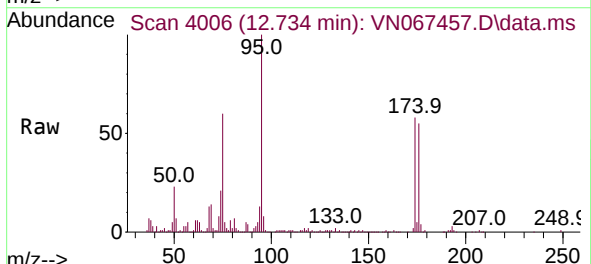
Instrument :
MSVOA_N
ClientSampleId :



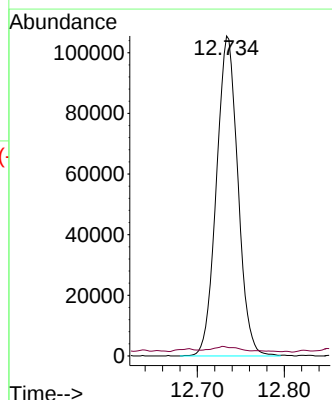
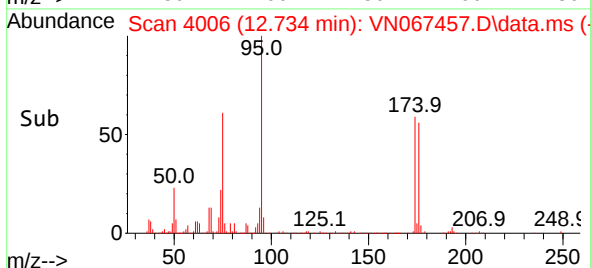
Tgt Ion: 43	Resp: 6072
Ion Ratio	Lower Upper
43	100
70	0.0 29.4 44.2#
55	0.0 17.0 25.4#
61	2.6 17.6 26.4#

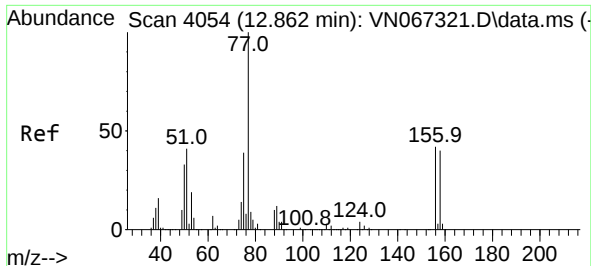


#76
1,2,3-Trichloropropane
Concen: 30.689 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15



Tgt Ion: 75	Resp: 180895
Ion Ratio	Lower Upper
75	100
77	1.5 0.0 0.0#

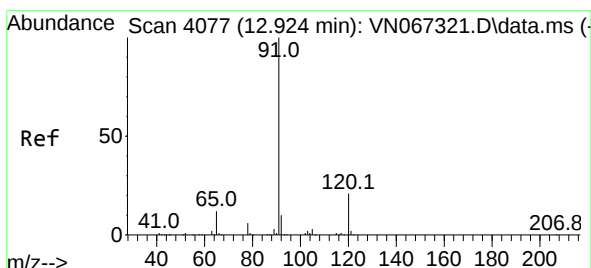
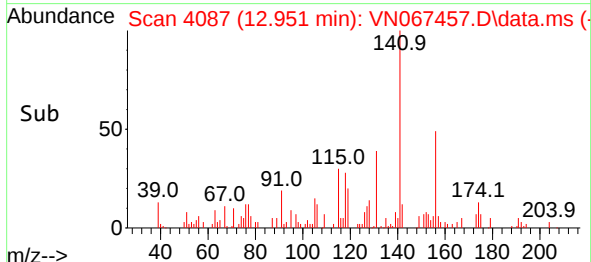
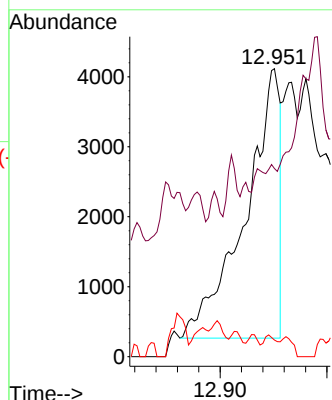
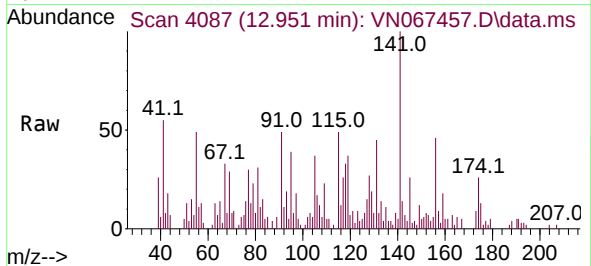




#77
Bromobenzene
Concen: 1.943 ug/l
RT: 12.951 min Scan# 4087
Delta R.T. 0.089 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

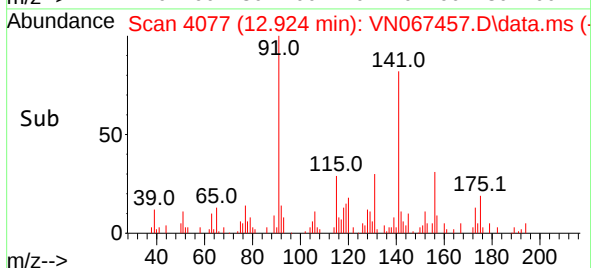
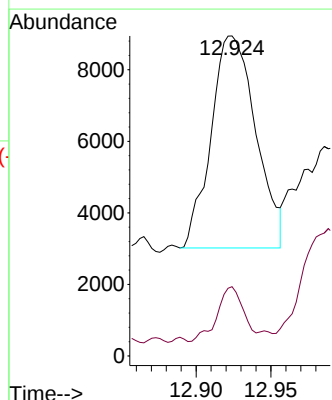
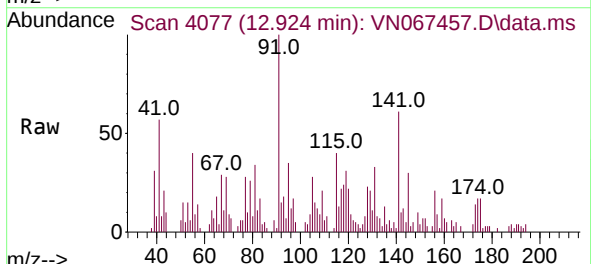
Instrument :
MSVOA_N
ClientSampled :

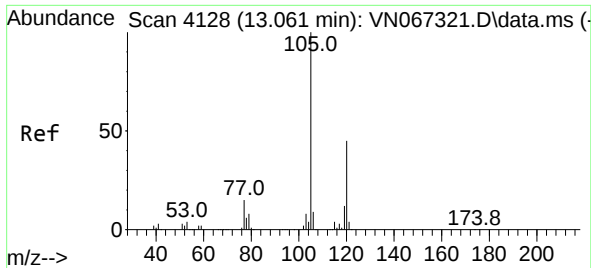
Tgt Ion:156 Resp: 8616
Ion Ratio Lower Upper
156 100
77 0.0 136.2 408.6#
158 3.2 48.4 145.3#



#78
n-propylbenzene
Concen: 0.478 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.000 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 91 Resp: 12387
Ion Ratio Lower Upper
91 100
120 15.1 10.4 31.4

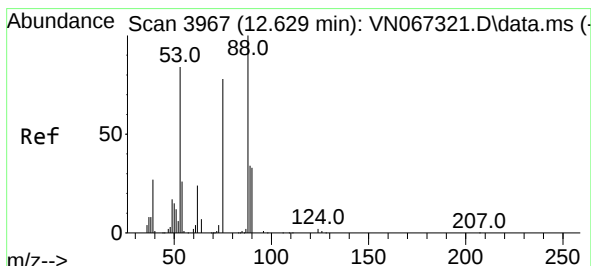
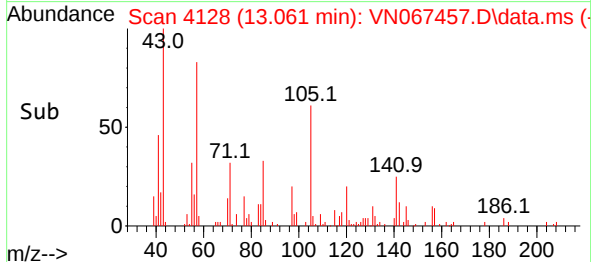
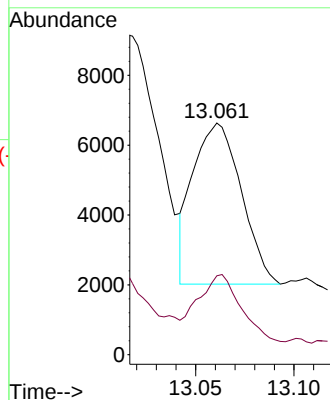
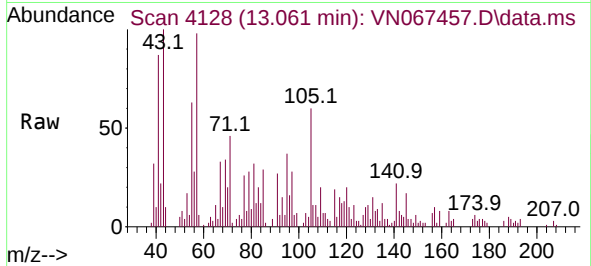




#80
1,3,5-Trimethylbenzene
Concen: 0.429 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

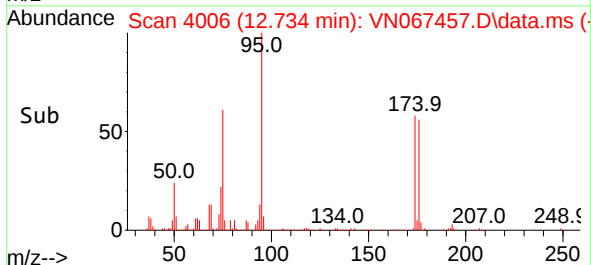
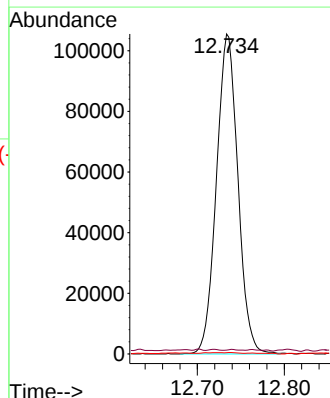
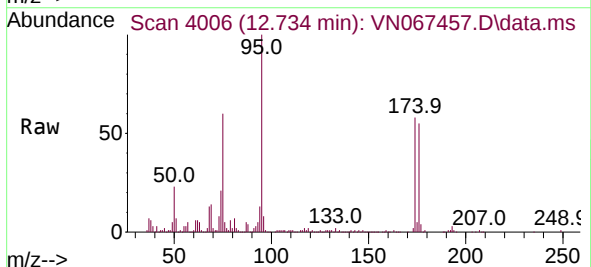
Instrument :
MSVOA_N
ClientSampleId :

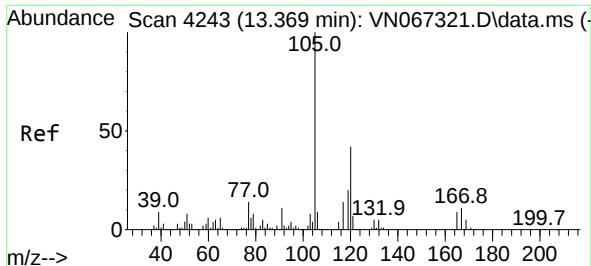
Tgt Ion:105 Resp: 7875
Ion Ratio Lower Upper
105 100
120 37.2 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 76.058 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 75 Resp: 180895
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

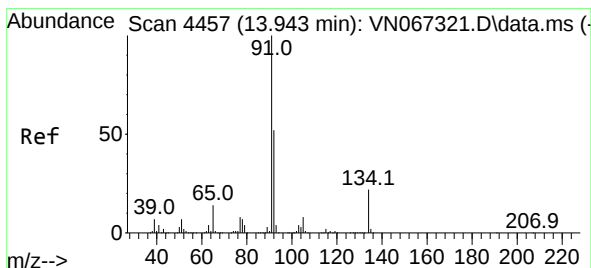
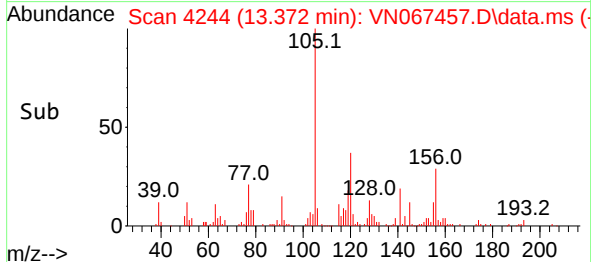
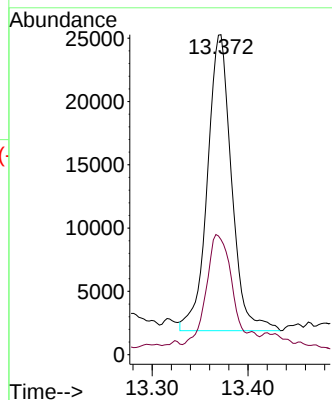
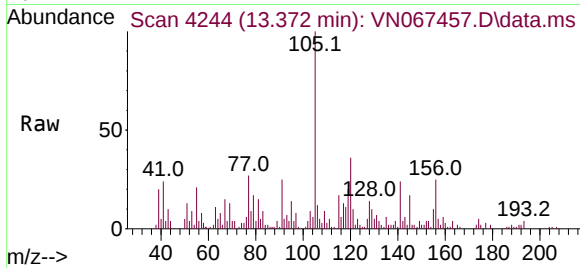




#84
1,2,4-Trimethylbenzene
Concen: 2.260 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

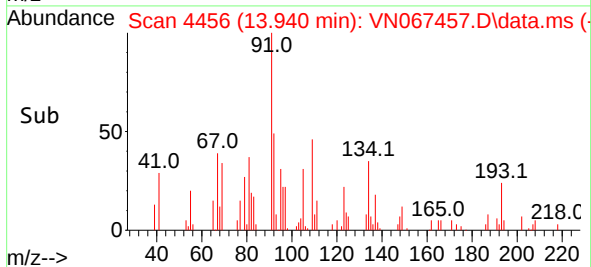
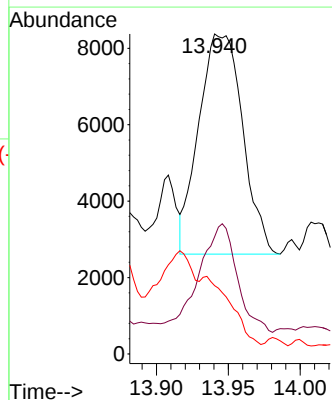
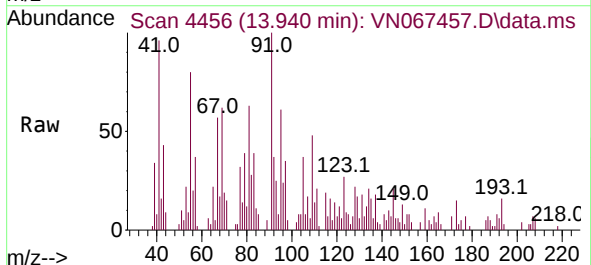
Instrument :
MSVOA_N
ClientSampled :

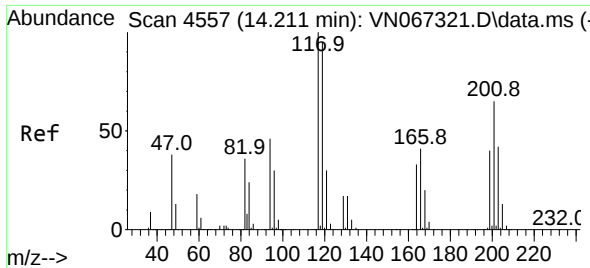
Tgt Ion:105 Resp: 40975
Ion Ratio Lower Upper
105 100
120 38.3 20.6 61.8



#89
n-Butylbenzene
Concen: 0.780 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 91 Resp: 12237
Ion Ratio Lower Upper
91 100
92 42.7 25.7 77.1
134 0.0 11.2 33.6#

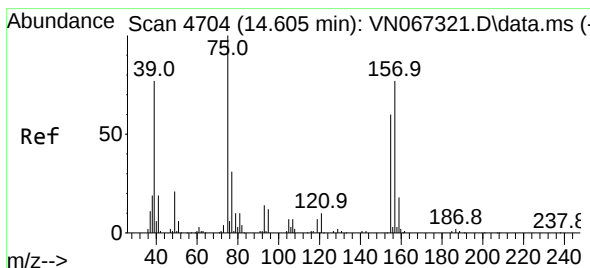
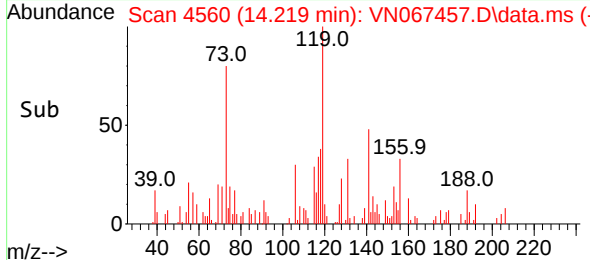
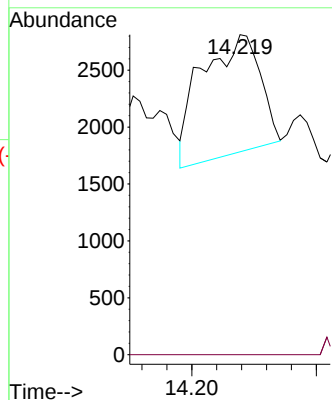
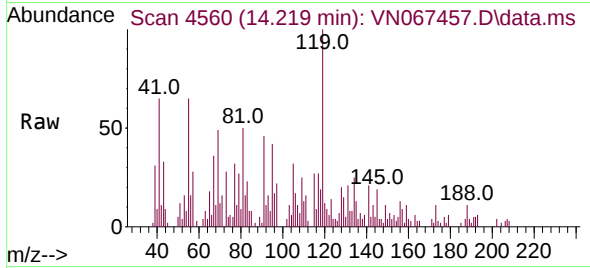




#90
Hexachloroethane
Concen: 0.523 ug/l
RT: 14.219 min Scan# 4560
Delta R.T. 0.008 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

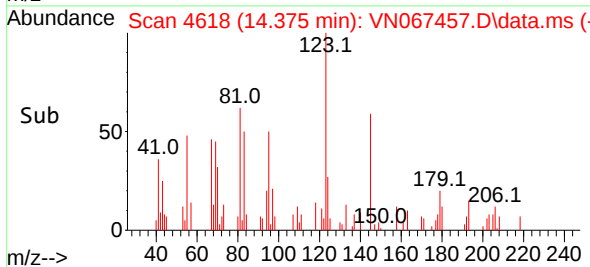
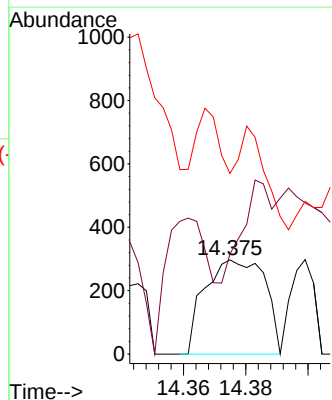
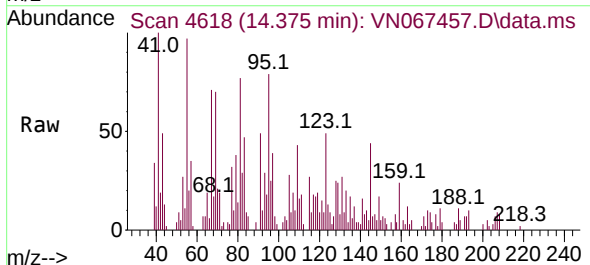
Instrument :
MSVOA_N
ClientSampled :

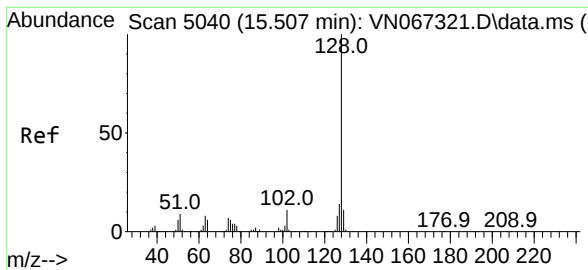
Tgt Ion:117 Resp: 1707
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.245 ug/l
RT: 14.375 min Scan# 4618
Delta R.T. -0.230 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Tgt Ion: 75 Resp: 397
Ion Ratio Lower Upper
75 100
155 52.1 29.8 89.5
157 48.4 37.6 112.8





#95
Naphthalene
Concen: 7.238 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067457.D
Acq: 23 Jun 2021 15:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	67348
Ion	Ratio	Lower Upper
128	100	
127	13.8	10.6 15.8
129	10.3	8.6 12.8

