

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061821\
 Data File : VN067391.D
 Acq On : 18 Jun 2021 10:43
 Operator : JC/MD
 Sample : VN0618MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBL01

Quant Time: Jun 19 00:35:53 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)

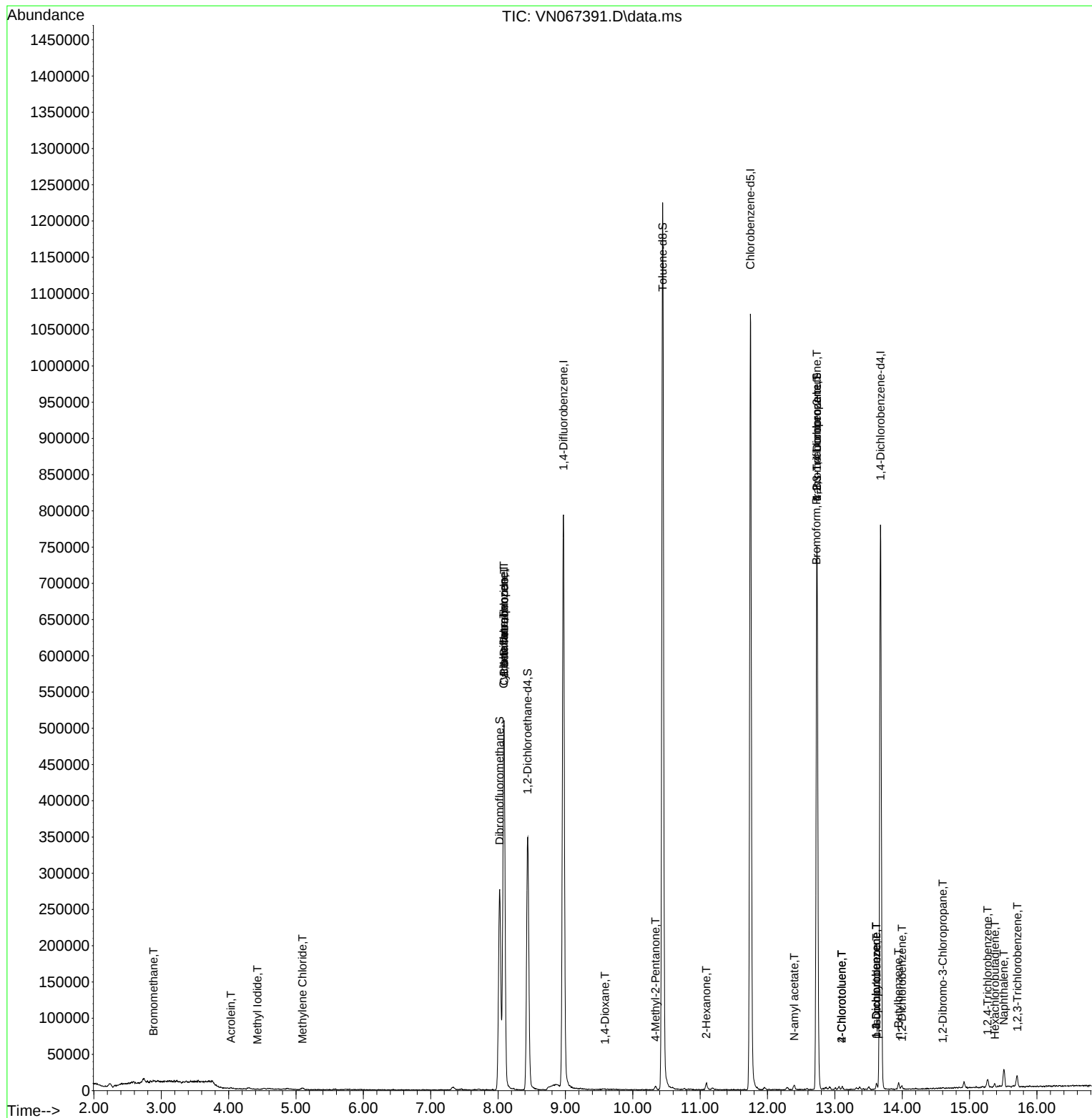
Internal Standards						
1) Pentafluorobenzene	8.088	168	328491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	647959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	571034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	181944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	307629	47.472	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.940%		
35) Dibromofluoromethane	8.024	113	202463	46.981	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.960%		
50) Toluene-d8	10.443	98	849032	51.402	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.800%		
62) 4-Bromofluorobenzene	12.734	95	285177	41.836	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.680%		
Target Compounds						Qvalue
5) Bromomethane	2.883	94	664	0.320	ug/l #	35
10) Methyl Iodide	4.425	142	86	6.761	ug/l #	33
13) Acrolein	4.036	56	486	0.730	ug/l #	58
20) Methylene Chloride	5.095	84	1125	0.217	ug/l #	61
31) Cyclohexane	8.083	56	11410	1.295	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	37300	5.135	ug/l #	52
38) Carbon Tetrachloride	8.091	117	41603	5.328	ug/l #	16
49) 1,4-Dioxane	9.588	88	86	0.998	ug/l #	1
51) 4-Methyl-2-Pentanone	10.339	43	3754	0.472	ug/l	93
59) 2-Hexanone	11.092	43	7266	1.247	ug/l	98
71) Bromoform	12.728	173	1555	0.440	ug/l #	29
74) N-amyl acetate	12.398	43	4381	0.514	ug/l #	91
76) 1,2,3-Trichloropropane	12.734	75	162655	34.426	ug/l #	100
79) 2-Chlorotoluene	13.104	91	2792	0.216	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.734	75	162655	85.318	ug/l #	6
82) 4-Chlorotoluene	13.104	91	2792	0.217	ug/l	99
86) p-Isopropyltoluene	13.619	119	2735	0.204	ug/l	92
87) 1,3-Dichlorobenzene	13.616	146	1791	0.279	ug/l	93
88) 1,4-Dichlorobenzene	13.616	146	1791	0.278	ug/l	94
89) n-Butylbenzene	13.946	91	5387	0.428	ug/l	98
91) 1,2-Dichlorobenzene	13.997	146	1961	0.322	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.603	75	623	0.479	ug/l #	31
93) 1,2,4-Trichlorobenzene	15.268	180	3857	1.214	ug/l	92
94) Hexachlorobutadiene	15.375	225	1159	0.635	ug/l #	38
95) Naphthalene	15.507	128	20812	4.392	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.708	180	4938	1.619	ug/l	97

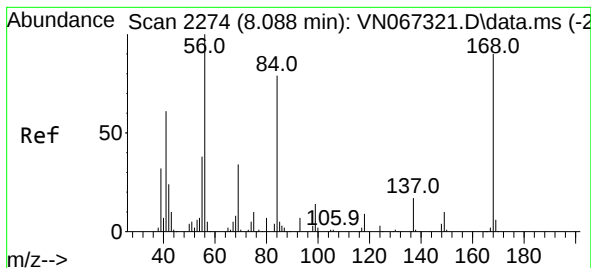
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 18 Jun 2021 10:43
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Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

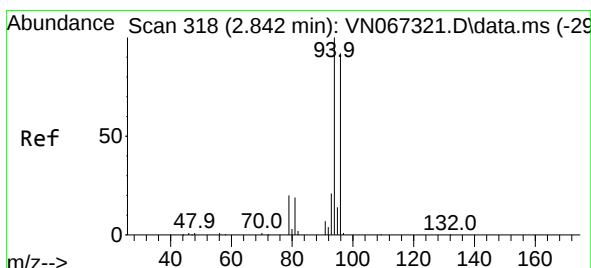
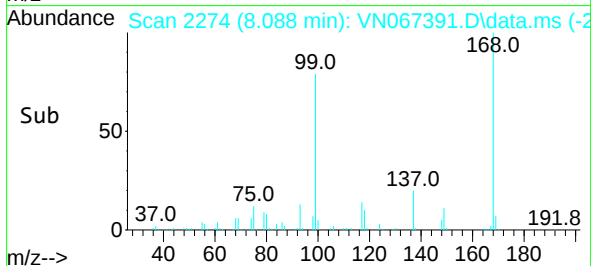
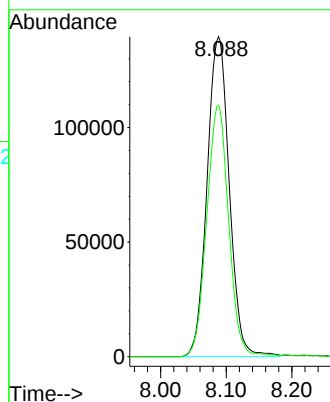
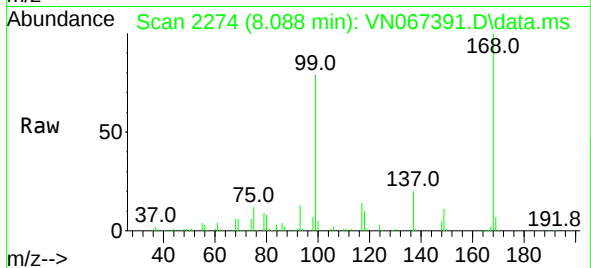
Lab File: VN067391.D

Acq: 18 Jun 2021 10:43

Tgt Ion:168 Resp: 328491

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	78.5	62.9	94.3



#5

Bromomethane

Concen: 0.320 ug/l

RT: 2.883 min Scan# 333

Delta R.T. 0.041 min

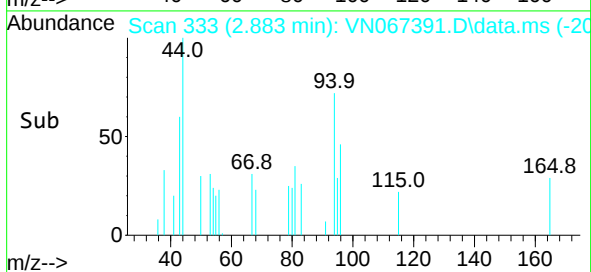
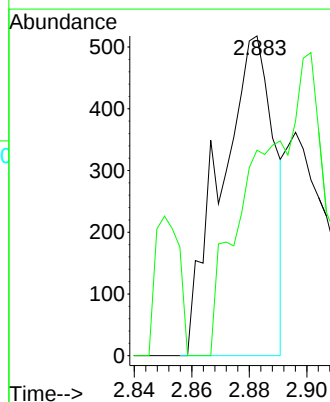
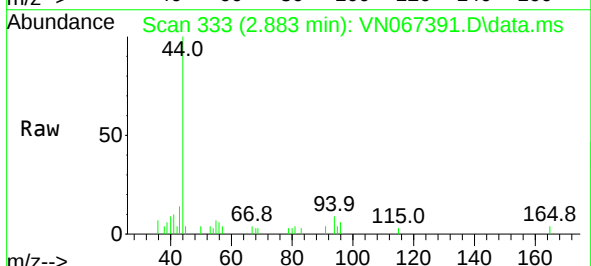
Lab File: VN067391.D

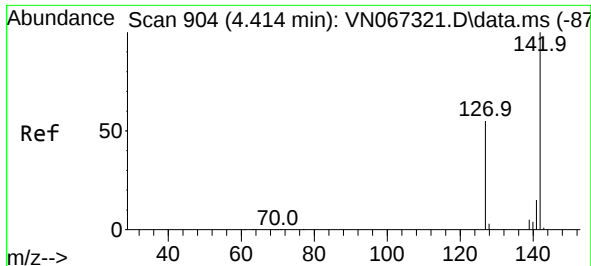
Acq: 18 Jun 2021 10:43

Tgt Ion: 94 Resp: 664

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
94	100		
96	30.3	73.7	110.5

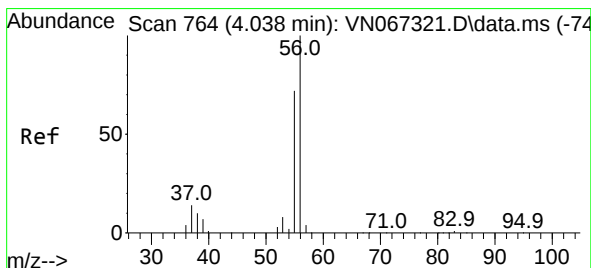
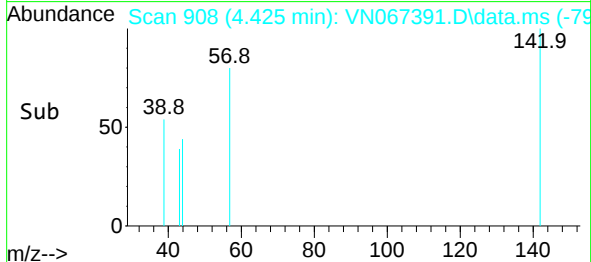
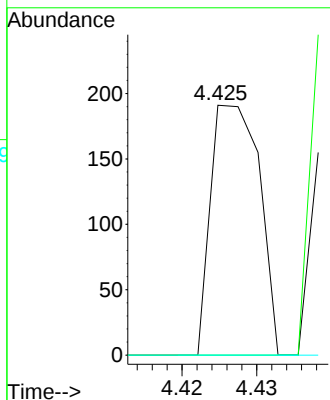
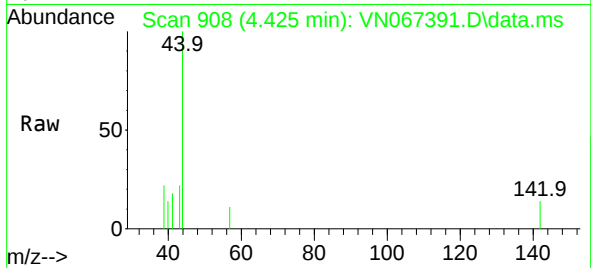




#10
Methyl Iodide
Concen: 6.761 ug/l
RT: 4.425 min Scan# 908
Delta R.T. 0.011 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

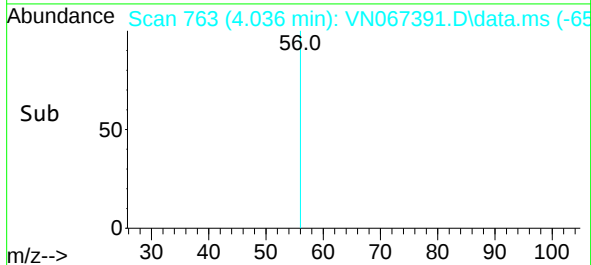
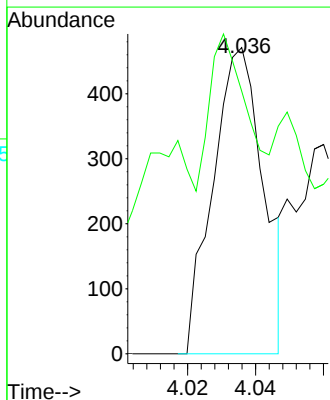
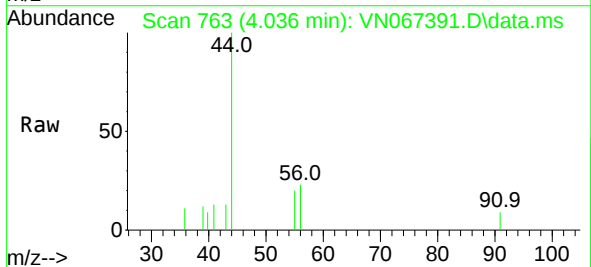
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

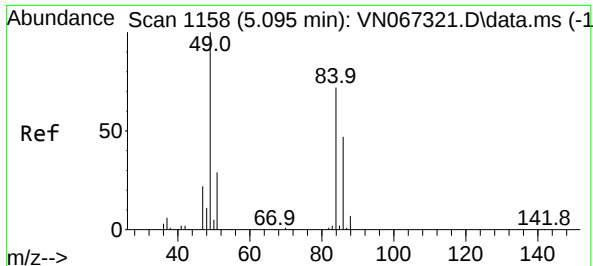
Tgt Ion:142 Resp: 86
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.730 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.002 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

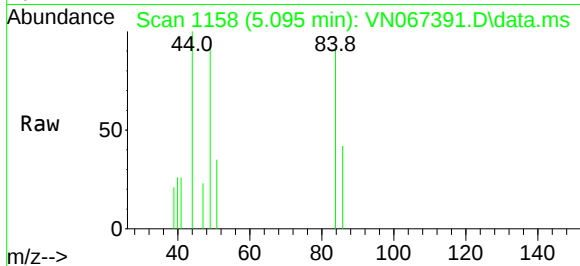
Tgt Ion: 56 Resp: 486
Ion Ratio Lower Upper
56 100
55 36.8 57.4 86.0#





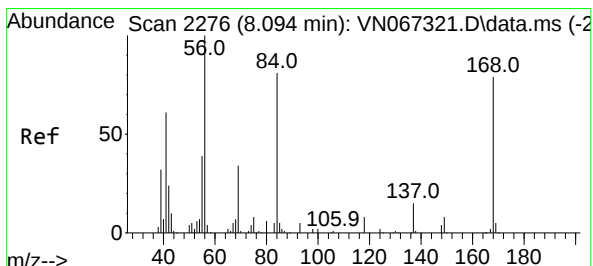
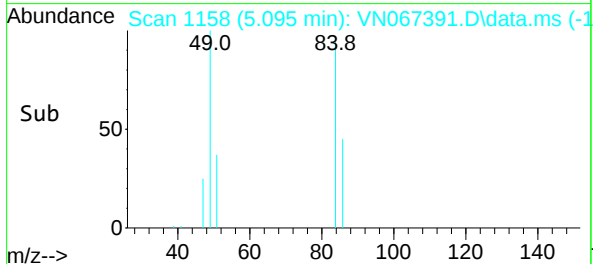
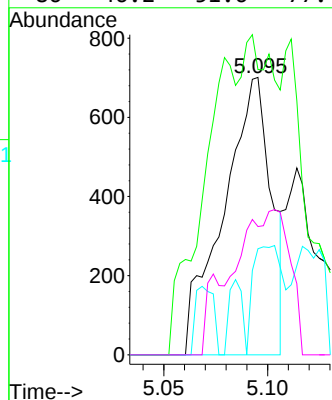
#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01



Tgt Ion: 84 Resp: 1125

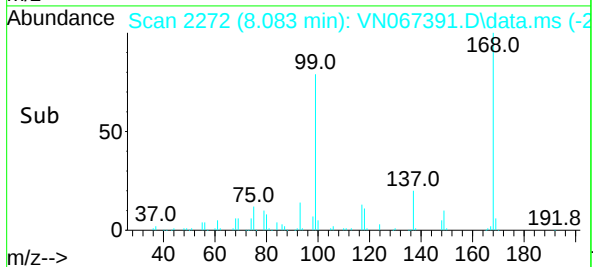
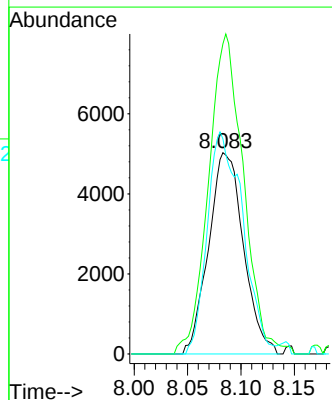
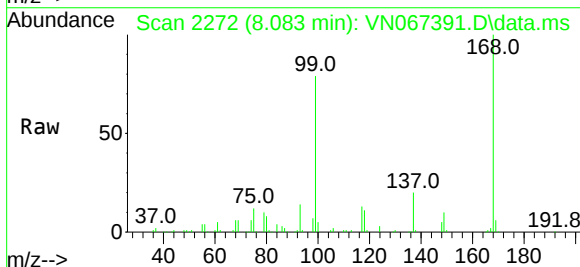
Ion	Ratio	Lower	Upper
84	100		
49	69.9	110.9	166.3#
51	38.2	32.6	49.0
86	46.2	51.6	77.4#

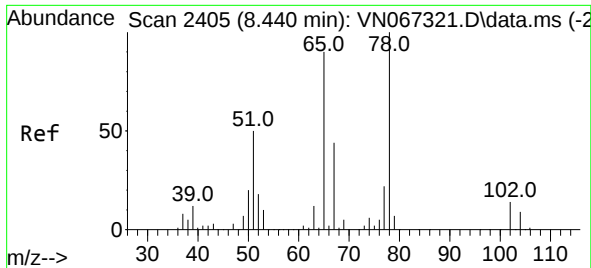


#31
Cyclohexane
Concen: 1.295 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 56 Resp: 11410

Ion	Ratio	Lower	Upper
56	100		
69	150.1	27.3	40.9#
84	106.9	64.9	97.3#

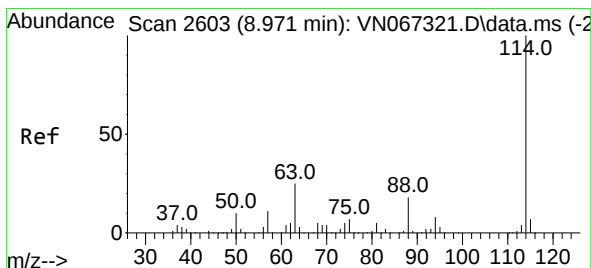
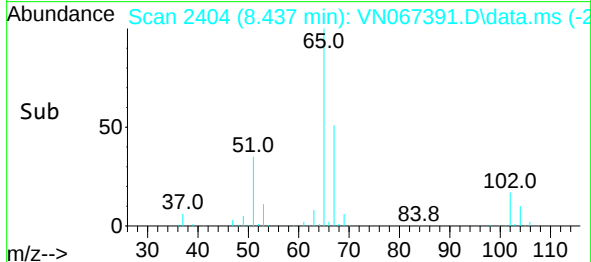
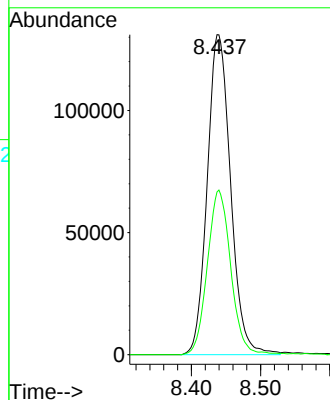
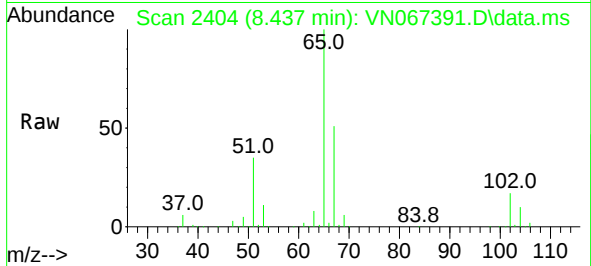




#33
 1,2-Dichloroethane-d4
 Concen: 47.472 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: VN067391.D
 Acq: 18 Jun 2021 10:43

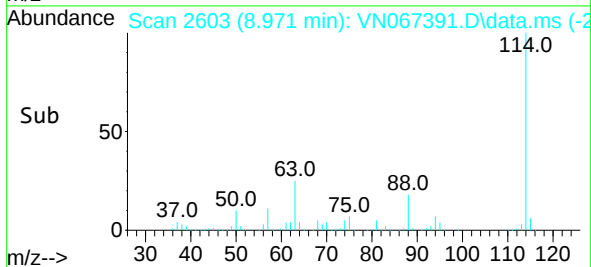
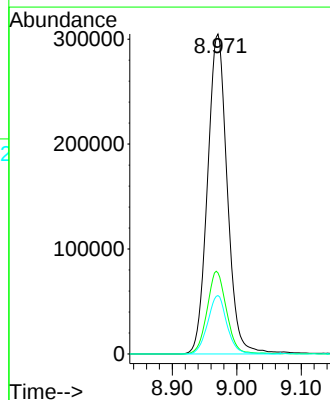
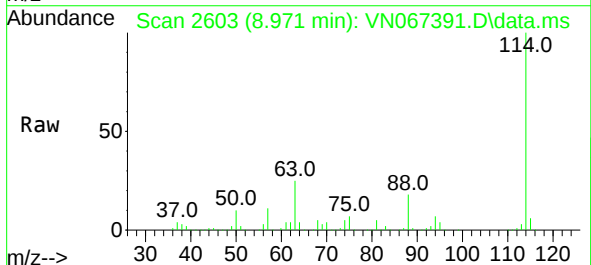
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618MBL01

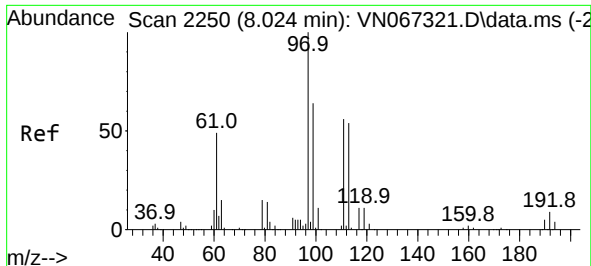
Tgt Ion: 65 Resp: 307629
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN067391.D
 Acq: 18 Jun 2021 10:43

Tgt Ion: 114 Resp: 647959
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.0
 88 18.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.981 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN067391.D

Acq: 18 Jun 2021 10:43

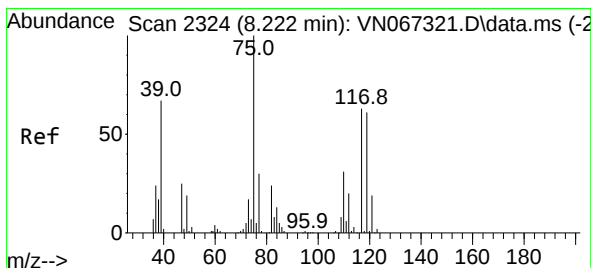
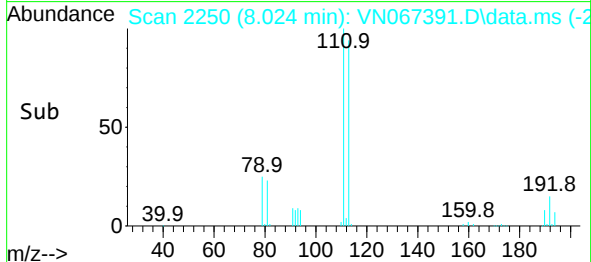
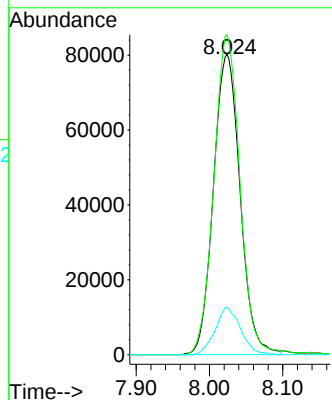
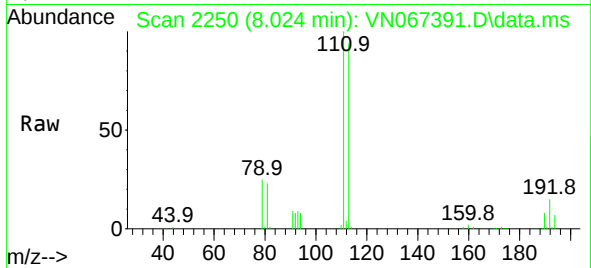
Tgt Ion:113 Resp: 202463

Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.8

192 15.0 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.135 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN067391.D

Acq: 18 Jun 2021 10:43

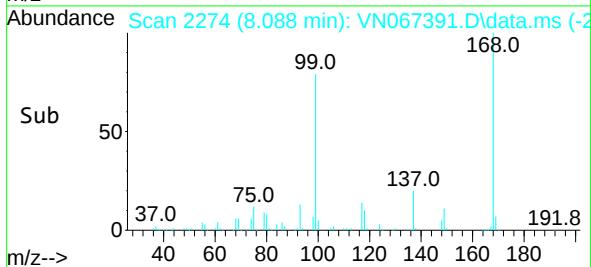
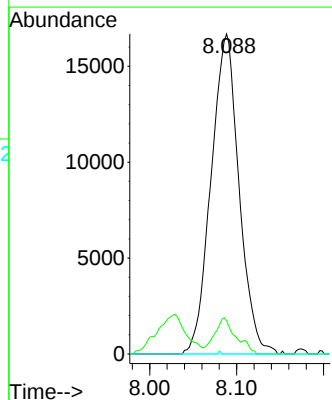
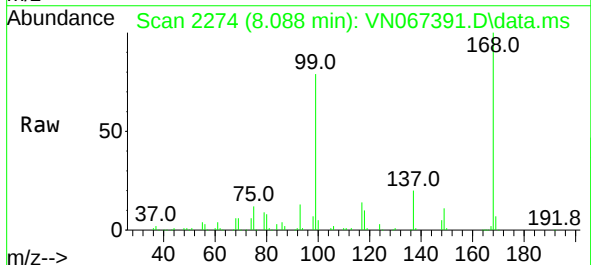
Tgt Ion: 75 Resp: 37300

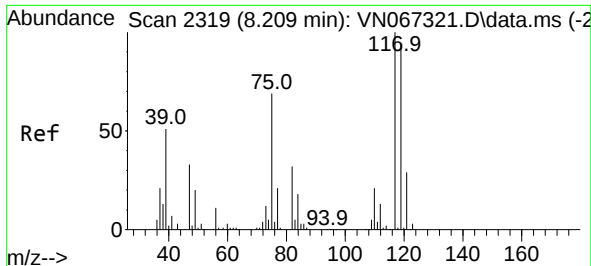
Ion Ratio Lower Upper

75 100

110 8.7 15.7 47.0#

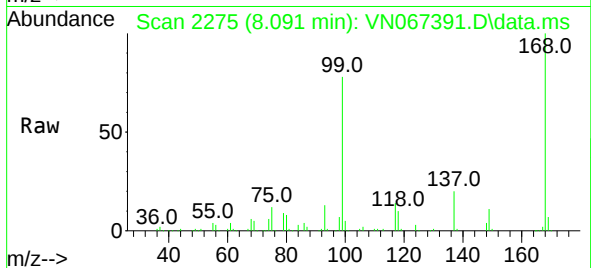
77 0.1 24.6 37.0#



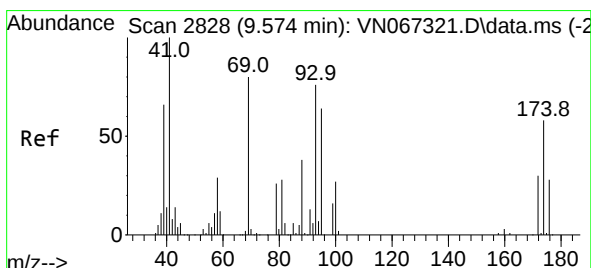
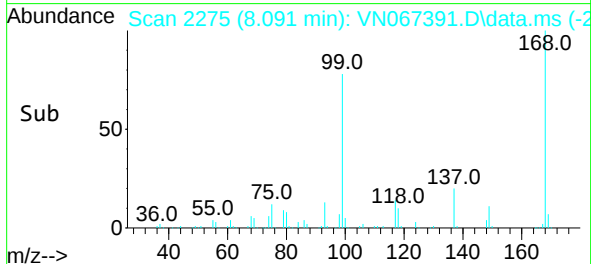
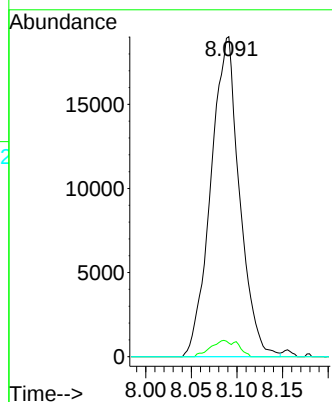


#38
Carbon Tetrachloride
Concen: 5.328 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

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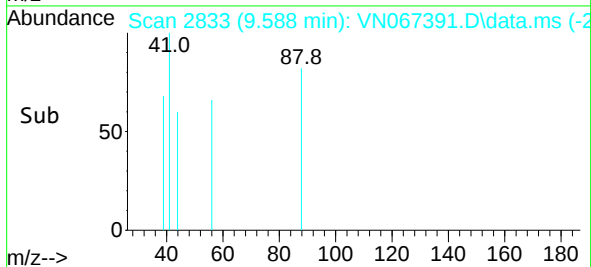
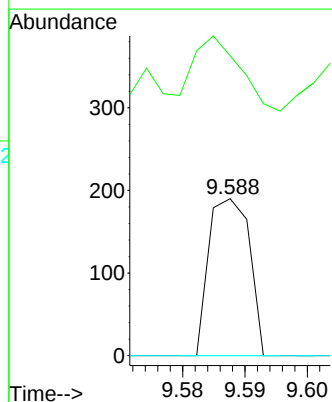
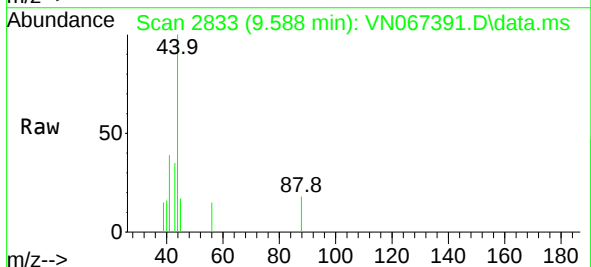


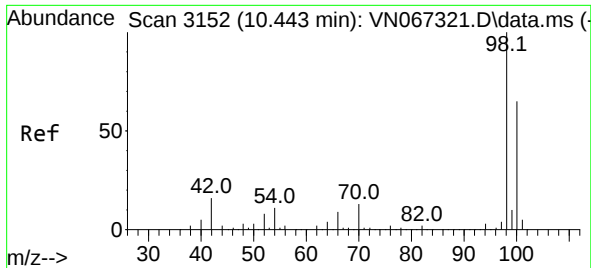
Tgt Ion:117 Resp: 41603
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.2#
121 0.0 23.5 35.3#



#49
1,4-Dioxane
Concen: 0.998 ug/l
RT: 9.588 min Scan# 2833
Delta R.T. 0.014 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 140.7 28.8 43.2#
58 0.0 60.4 90.6#

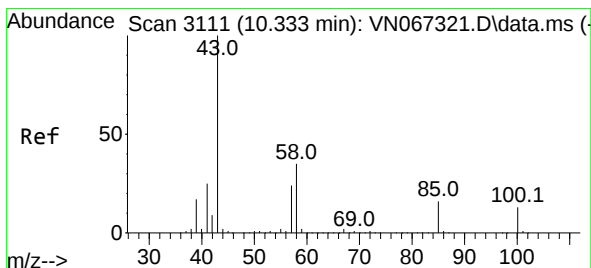
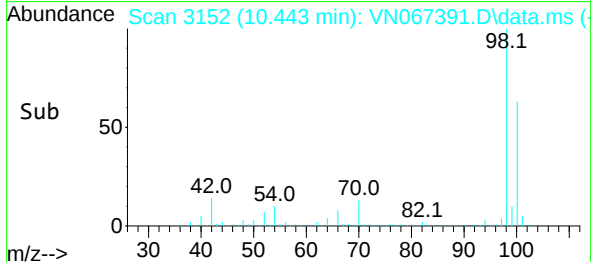
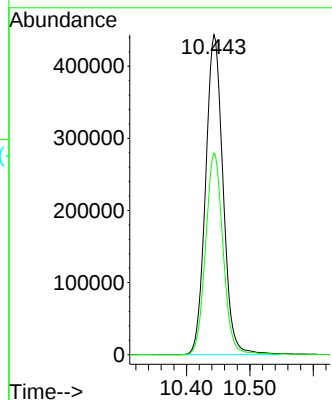
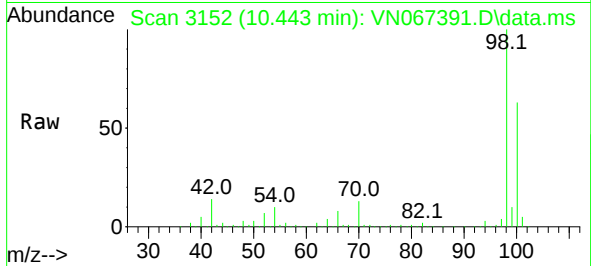




#50
Toluene-d8
Concen: 51.402 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

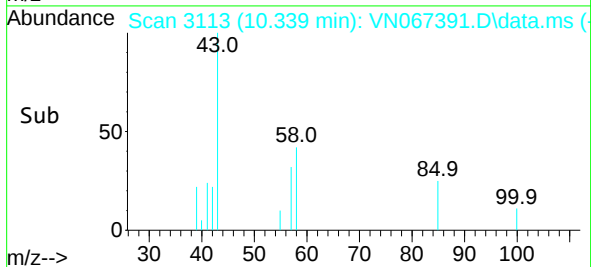
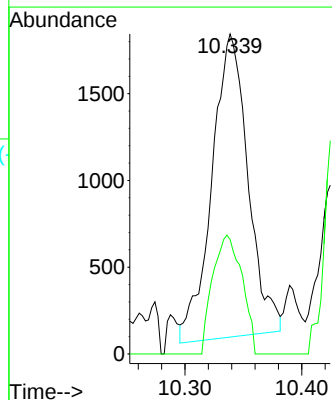
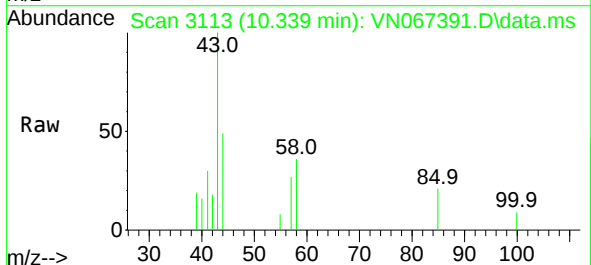
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

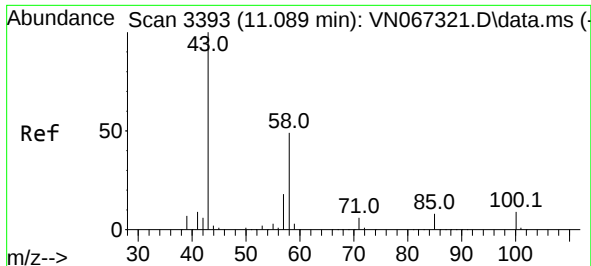
Tgt Ion: 98 Resp: 849032
Ion Ratio Lower Upper
98 100
100 62.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.472 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 43 Resp: 3754
Ion Ratio Lower Upper
43 100
58 31.8 28.6 43.0

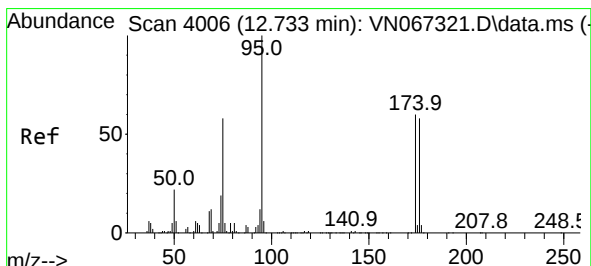
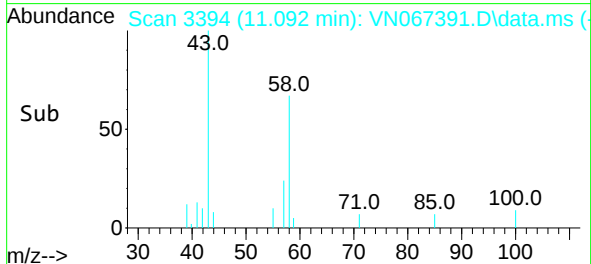
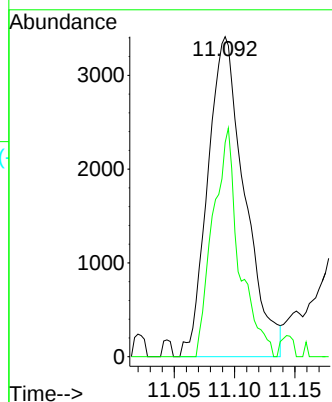
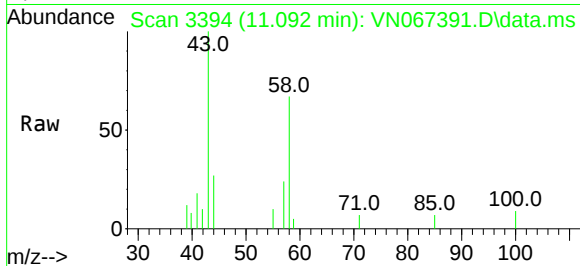




#59
2-Hexanone
Concen: 1.247 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

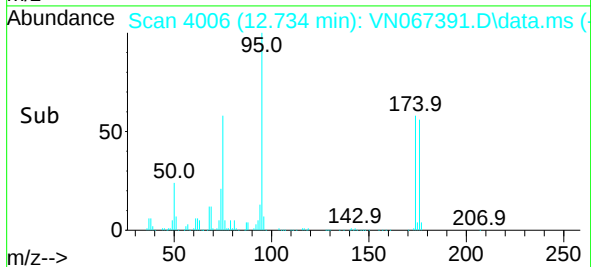
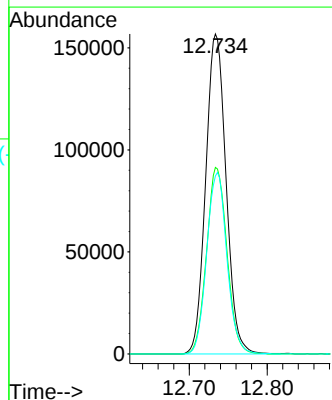
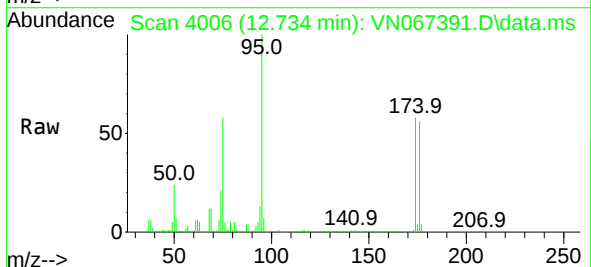
Instrument :
MSVOA_N
ClientSampled :
VN0618MBL01

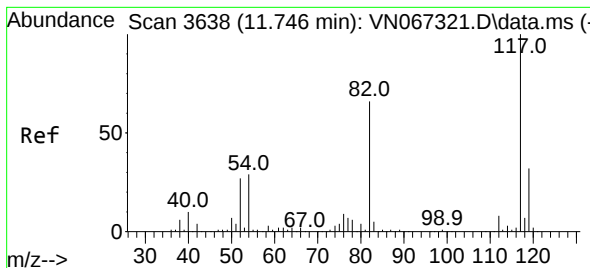
Tgt Ion: 43 Resp: 7266
Ion Ratio Lower Upper
43 100
58 51.1 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 41.836 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 95 Resp: 285177
Ion Ratio Lower Upper
95 100
174 58.6 0.0 122.0
176 56.4 0.0 117.6

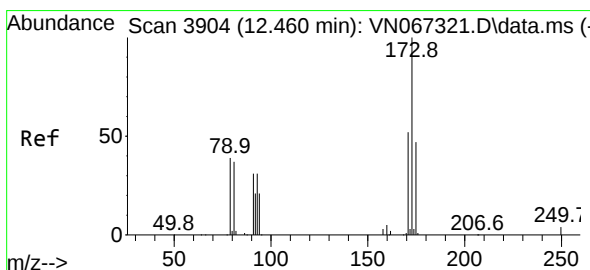
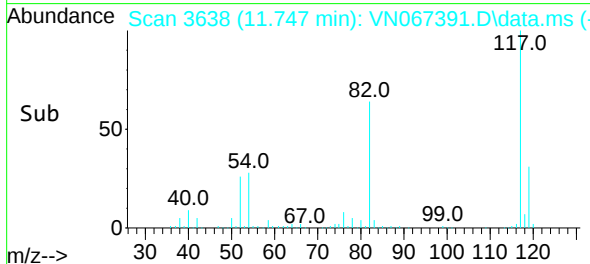
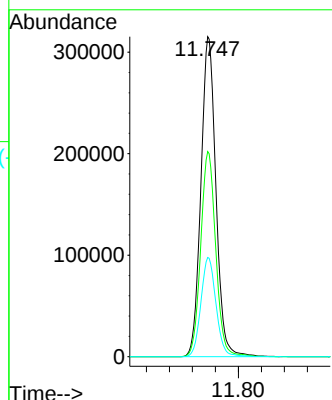
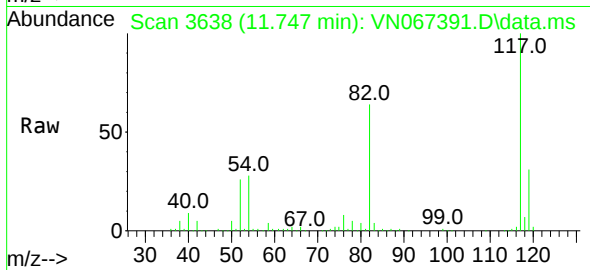




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

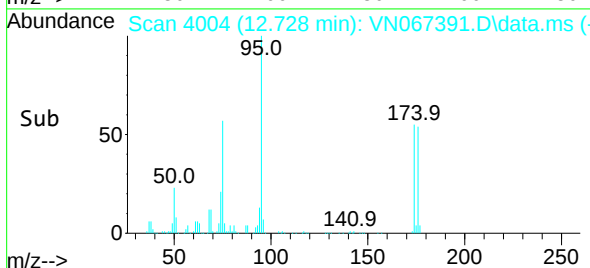
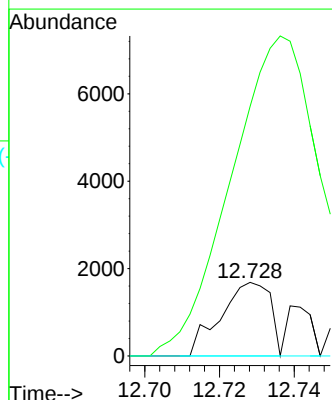
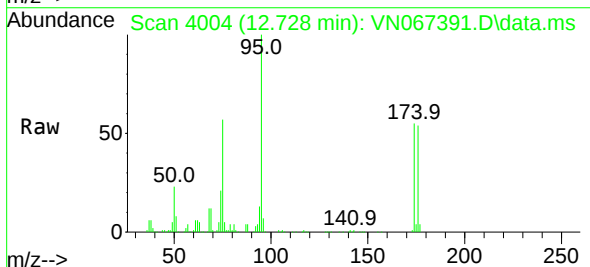
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

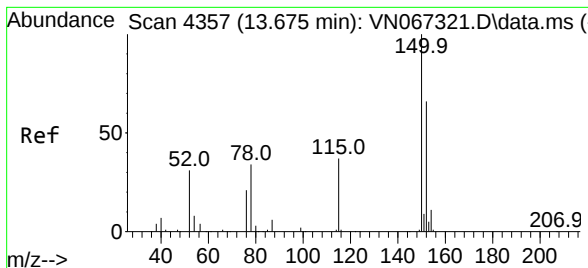
Tgt Ion:117 Resp: 571034
Ion Ratio Lower Upper
117 100
82 64.1 53.1 79.7
119 31.0 25.5 38.3



#71
Bromoform
Concen: 0.440 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion:173 Resp: 1555
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

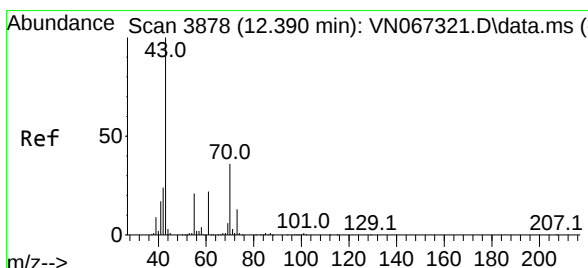
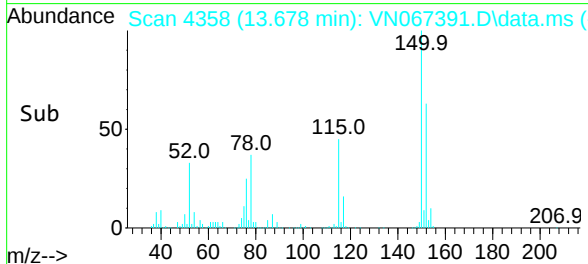
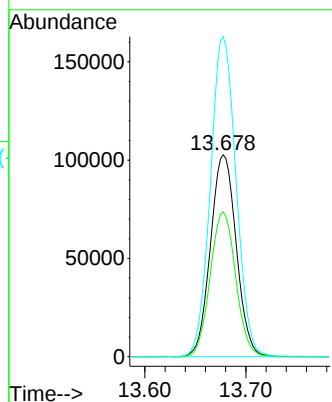
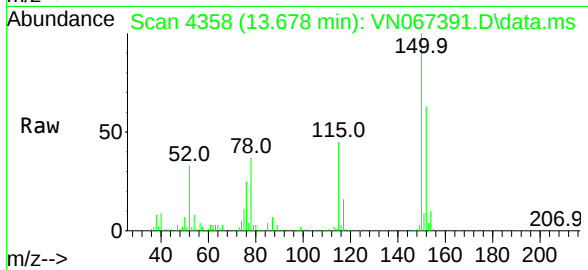




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

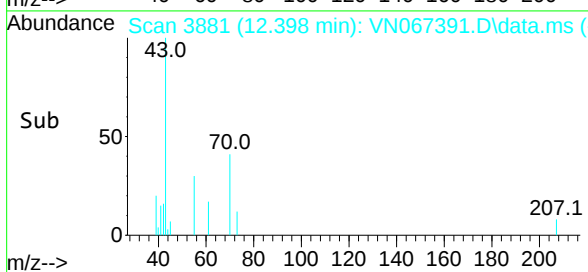
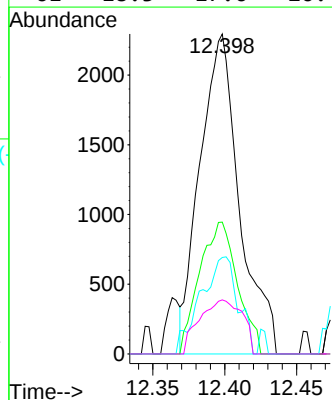
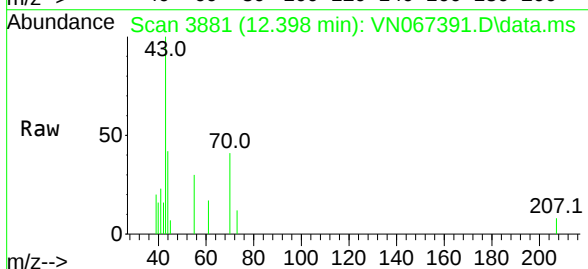
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

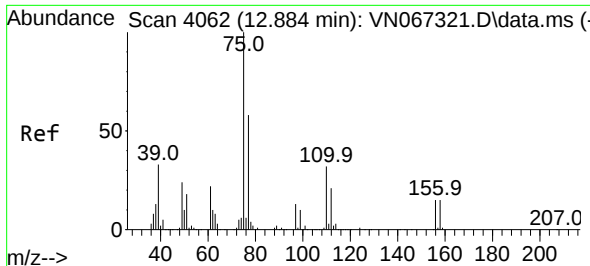
Tgt Ion:152 Resp: 181944
Ion Ratio Lower Upper
152 100
115 71.2 36.1 108.5
150 157.9 0.0 351.8



#74
N-ethyl acetate
Concen: 0.514 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 43 Resp: 4381
Ion Ratio Lower Upper
43 100
70 39.8 29.4 44.2
55 28.6 17.0 25.4#
61 18.3 17.6 26.4

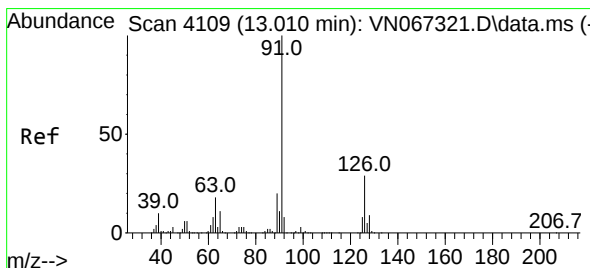
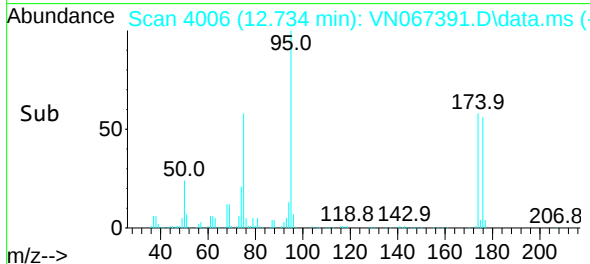
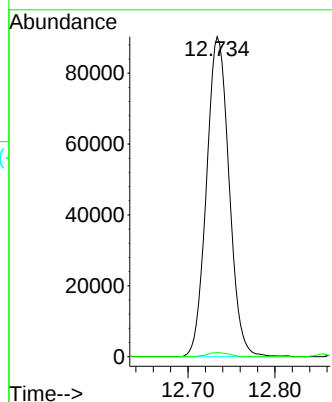
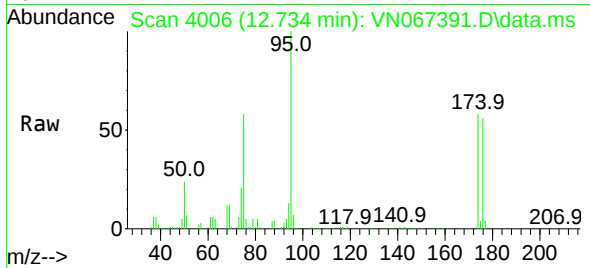




#76
1,2,3-Trichloropropane
Concen: 34.426 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

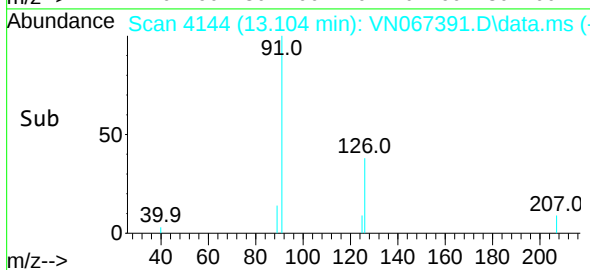
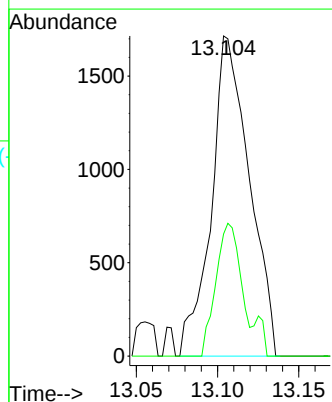
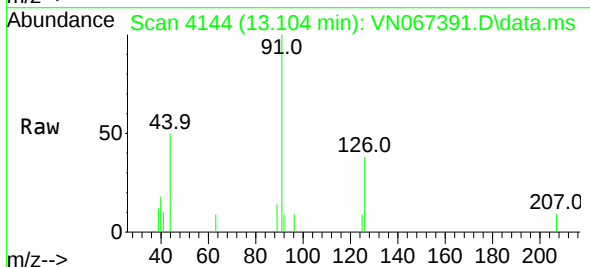
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

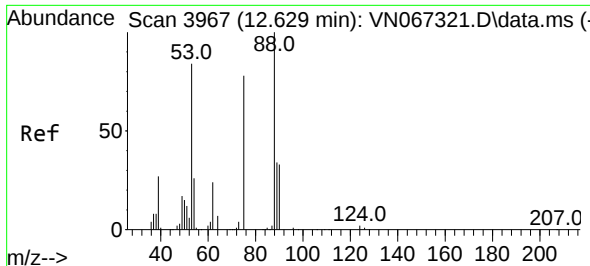
Tgt Ion: 75 Resp: 162655
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.216 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. 0.094 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 91 Resp: 2792
Ion Ratio Lower Upper
91 100
126 30.3 14.5 43.5

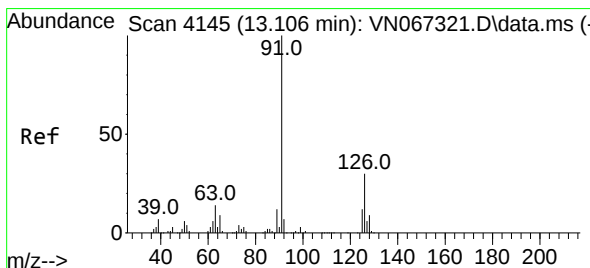
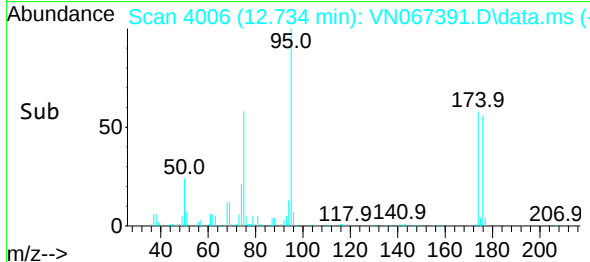
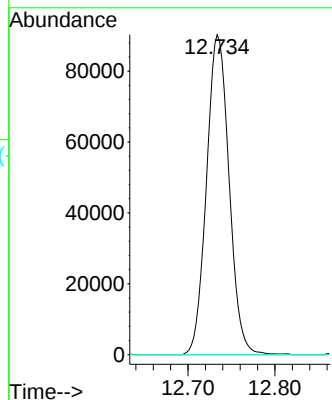
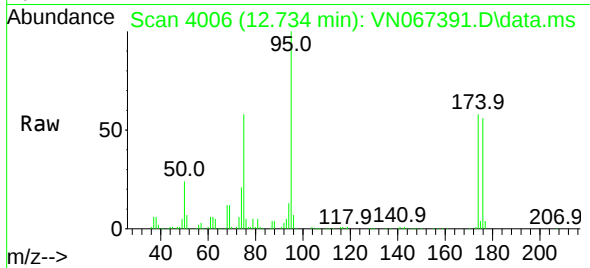




#81
trans-1,4-Dichloro-2-butene
Concen: 85.318 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

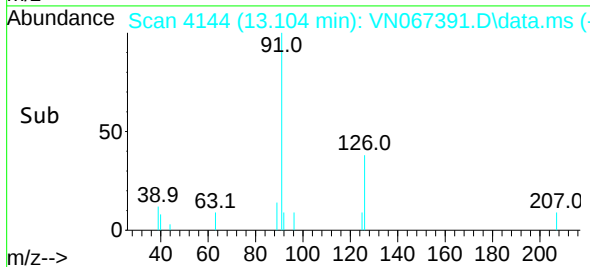
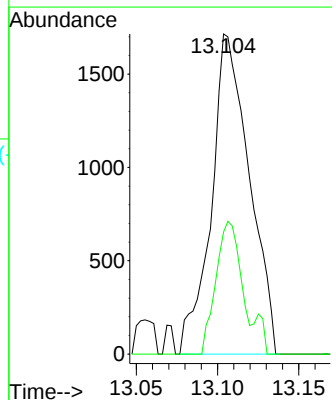
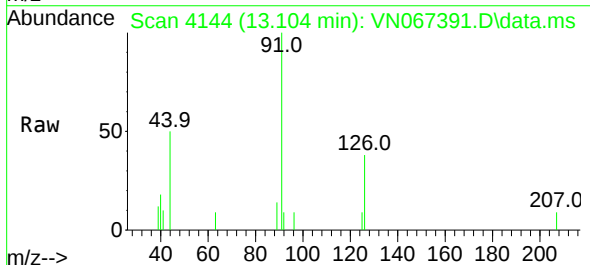
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

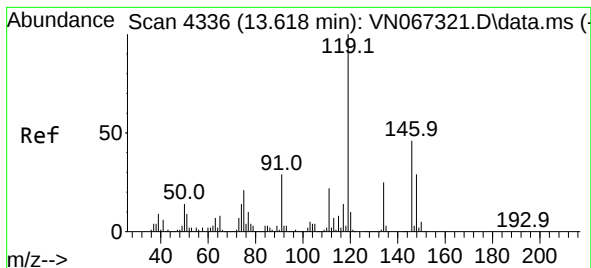
Tgt Ion: 75 Resp: 162655
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.002 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 91 Resp: 2792
Ion Ratio Lower Upper
91 100
126 30.3 14.8 44.4

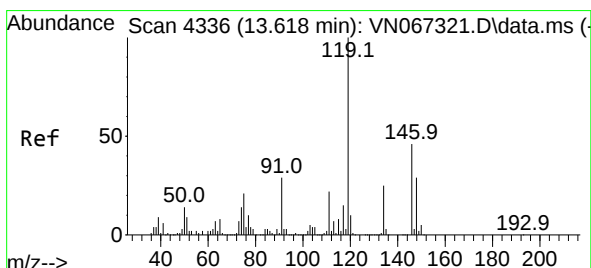
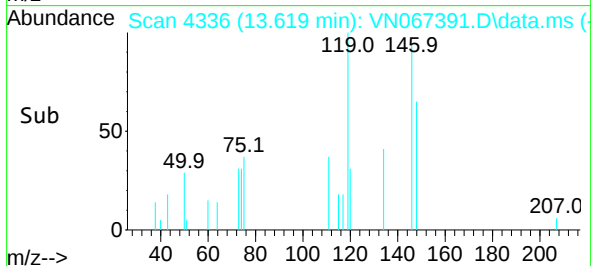
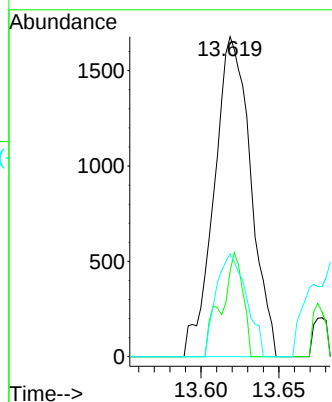
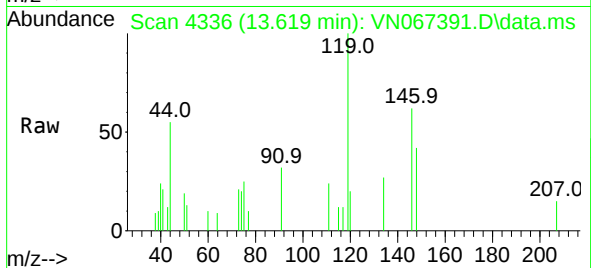




#86
p-Isopropyltoluene
Concen: 0.204 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.001 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

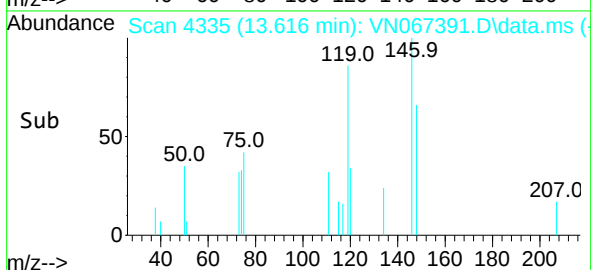
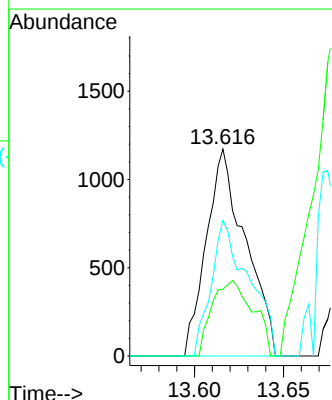
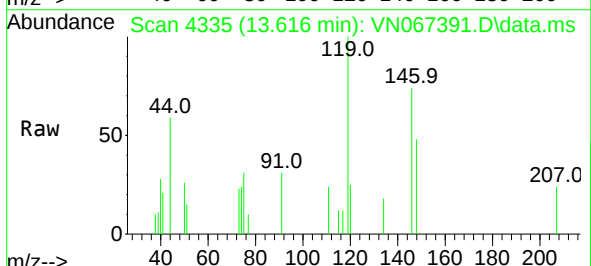
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

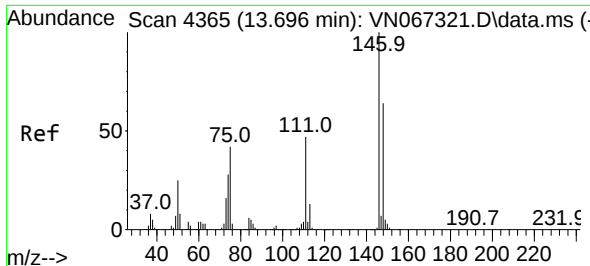
Tgt Ion:	119	Resp:	2735
Ion	Ratio	Lower	Upper
119	100		
134	19.2	12.4	37.4
91	26.5	14.8	44.3



#87
1,3-Dichlorobenzene
Concen: 0.279 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.002 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion:	146	Resp:	1791
Ion	Ratio	Lower	Upper
146	100		
111	38.0	24.3	72.8
148	62.9	32.0	96.0

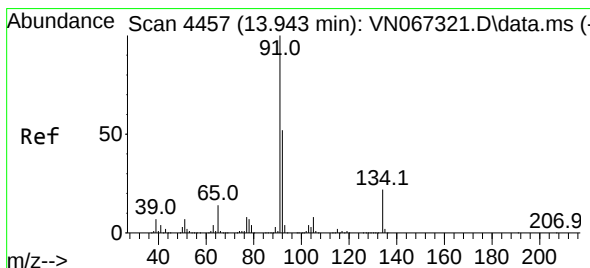
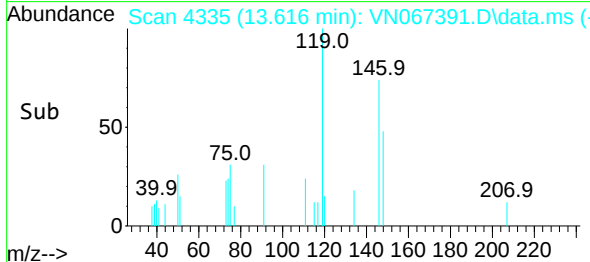
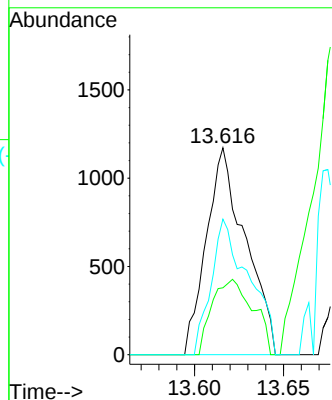
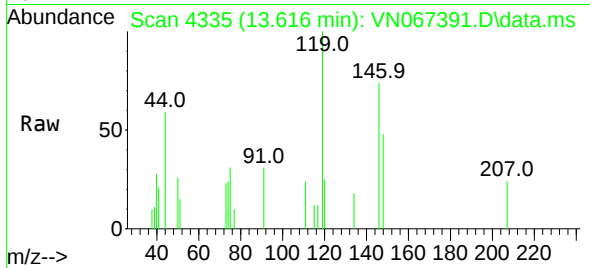




#88
1,4-Dichlorobenzene
Concen: 0.278 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.080 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

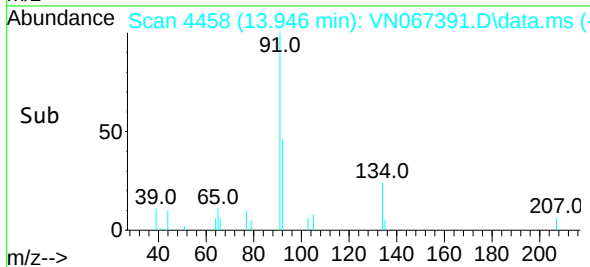
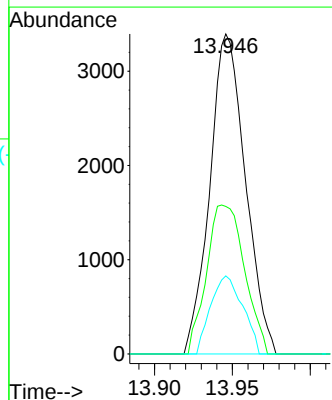
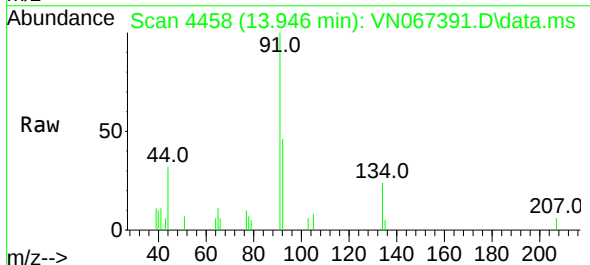
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

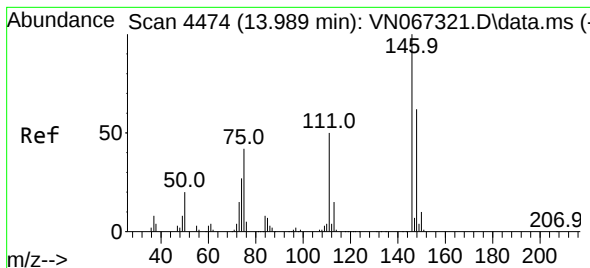
Tgt Ion:146 Resp: 1791
Ion Ratio Lower Upper
146 100
111 38.0 23.4 70.2
148 62.9 31.8 95.3



#89
n-Butylbenzene
Concen: 0.428 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion: 91 Resp: 5387
Ion Ratio Lower Upper
91 100
92 49.6 25.7 77.1
134 22.0 11.2 33.6

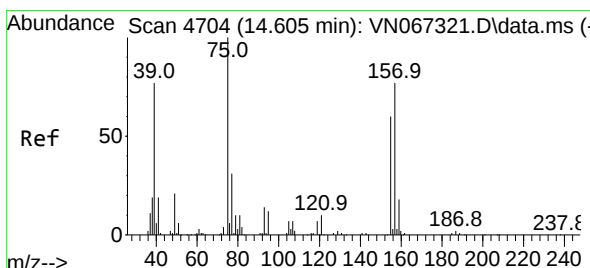
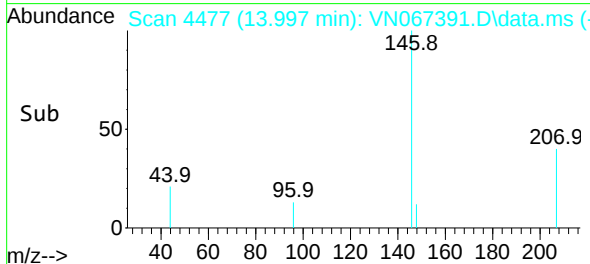
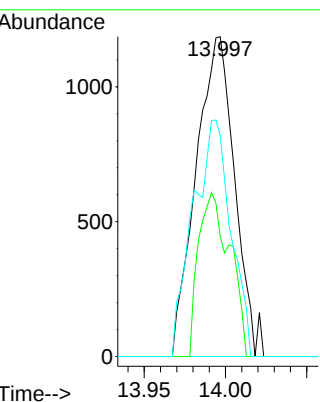
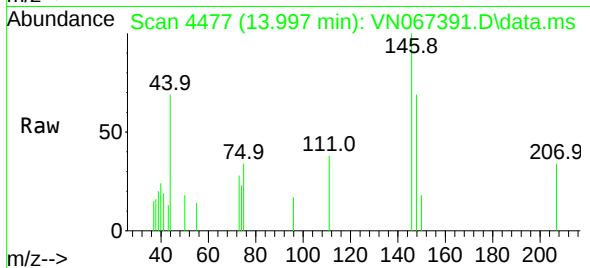




#91
1,2-Dichlorobenzene
Concen: 0.322 ug/l
RT: 13.997 min Scan# 4477
Delta R.T. 0.008 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

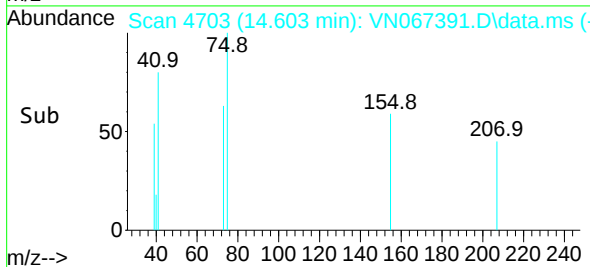
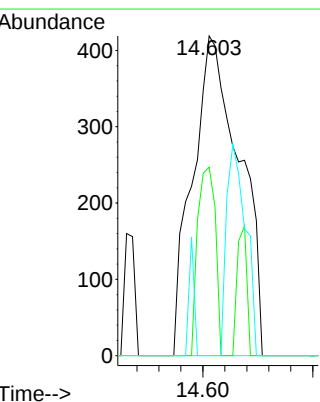
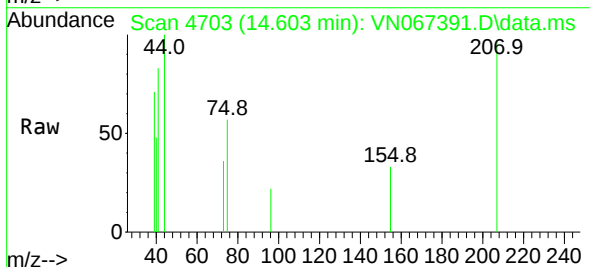
Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

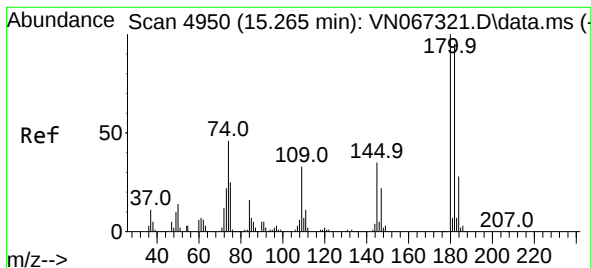
Tgt Ion:	146	Resp:	1961
Ion Ratio	Lower	Upper	
146	100		
111	41.6	24.9	74.6
148	72.1	31.6	95.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.479 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.002 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion:	75	Resp:	623
Ion Ratio	Lower	Upper	
75	100		
155	22.2	29.8	89.5#
157	4.0	37.6	112.8#





#93

1,2,4-Trichlorobenzene

Concen: 1.214 ug/l

RT: 15.268 min Scan# 4951

Delta R.T. 0.003 min

Lab File: VN067391.D

Acq: 18 Jun 2021 10:43

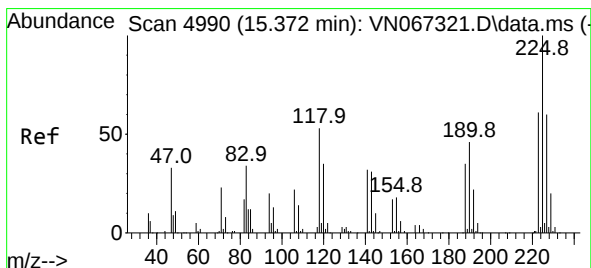
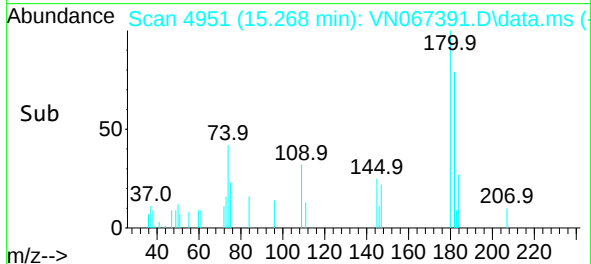
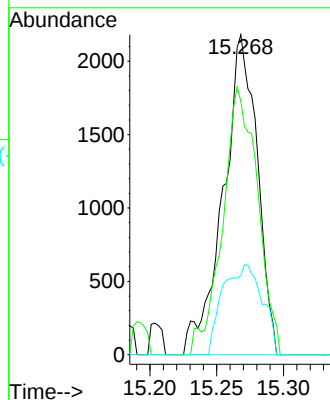
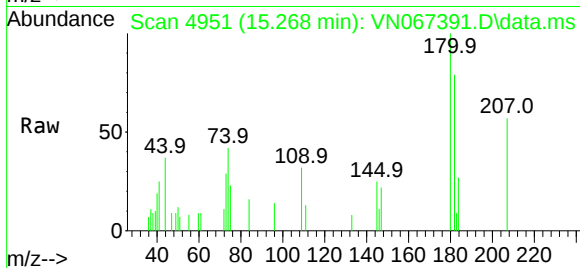
Tgt Ion:180 Resp: 3857

Ion Ratio Lower Upper

180 100

182 85.6 47.5 142.5

145 32.6 17.2 51.6



#94

Hexachlorobutadiene

Concen: 0.635 ug/l

RT: 15.375 min Scan# 4991

Delta R.T. 0.003 min

Lab File: VN067391.D

Acq: 18 Jun 2021 10:43

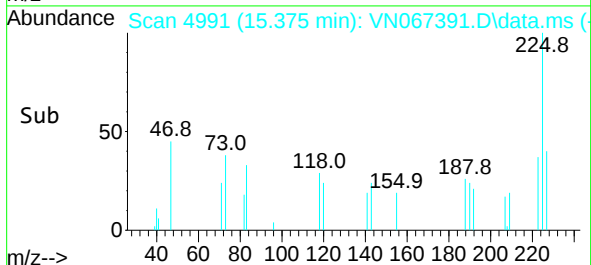
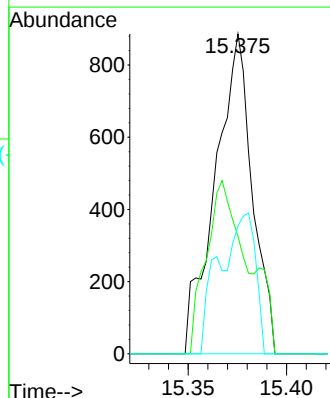
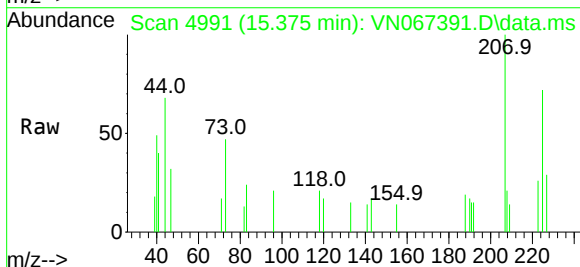
Tgt Ion:225 Resp: 1159

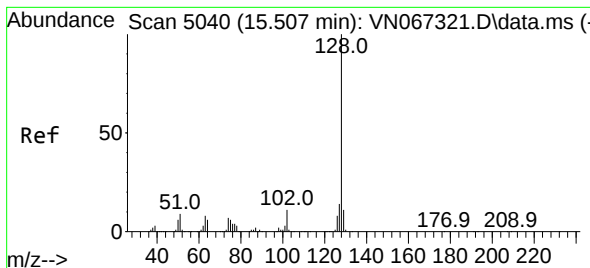
Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.0#

227 29.8 31.2 93.6#

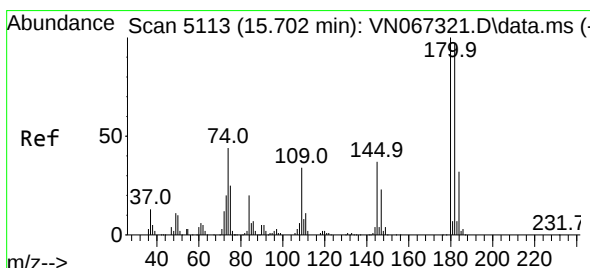
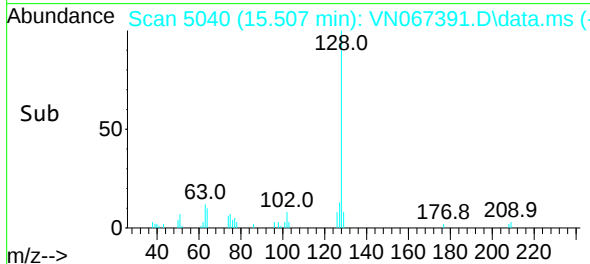
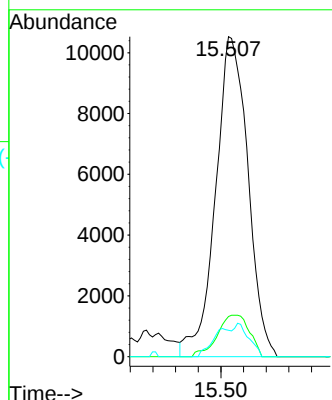
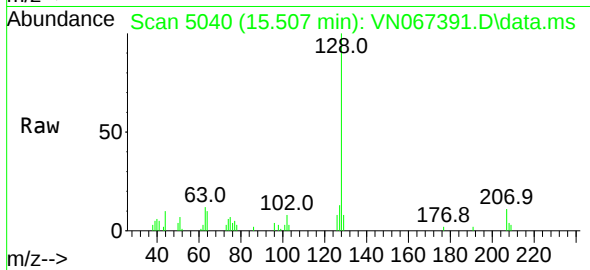




#95
Naphthalene
Concen: 4.392 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0618MBL01

Tgt Ion:128 Resp: 20812
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 5.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.619 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067391.D
Acq: 18 Jun 2021 10:43

Tgt Ion:180 Resp: 4938
Ion Ratio Lower Upper
180 100
182 96.2 47.8 143.3
145 30.2 18.2 54.6

