

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062321\
 Data File : VN067452.D
 Acq On : 23 Jun 2021 11:37
 Operator : JC/MD
 Sample : VN0623WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

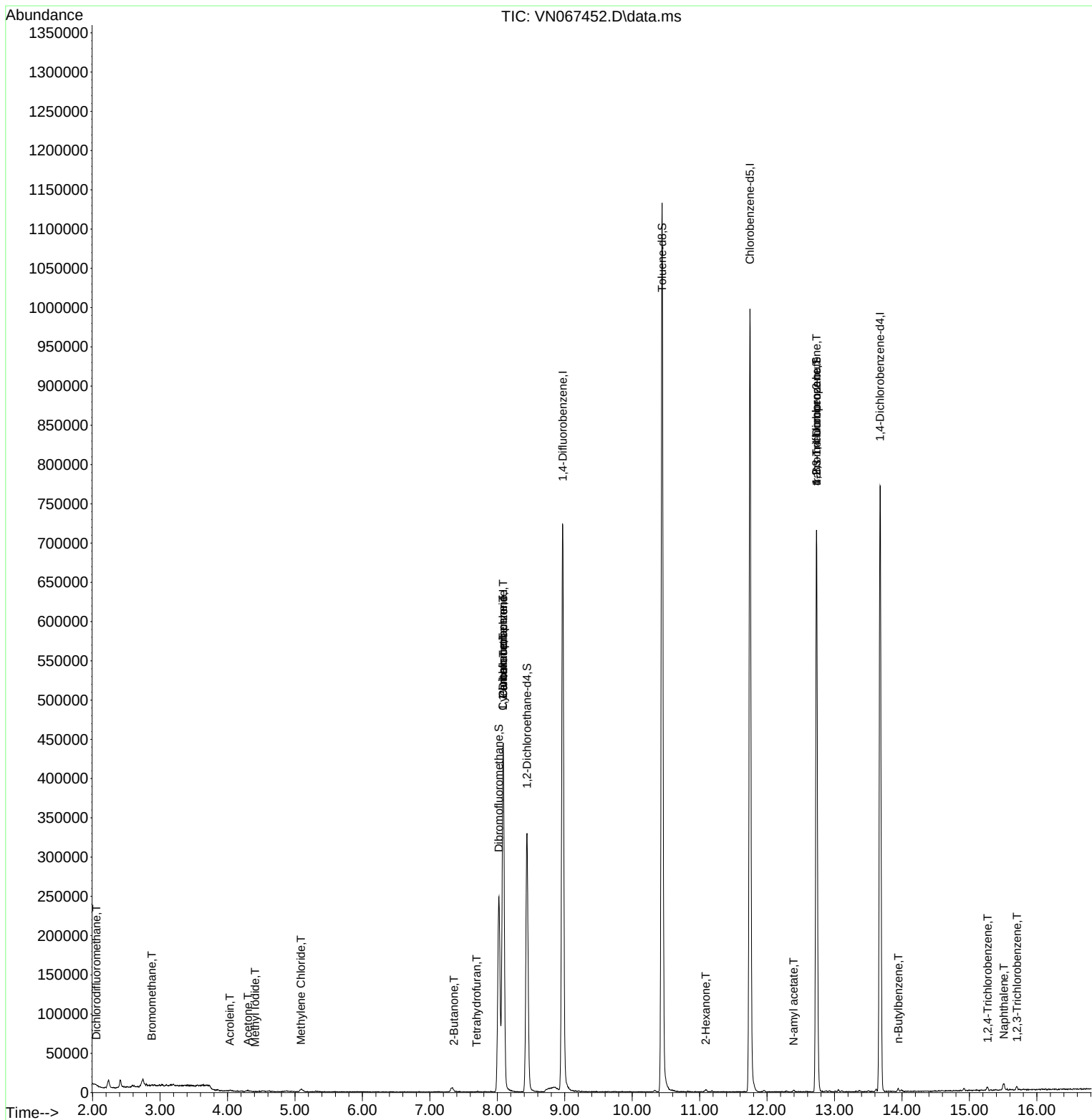
Quant Time: Jun 24 05:02:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

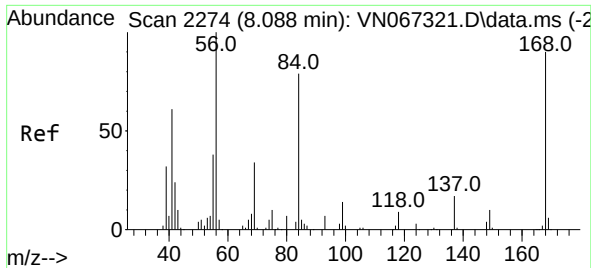
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	283479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	587175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	527933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	176202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	274626	49.108	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.220%		
35) Dibromofluoromethane	8.024	113	179897	46.066	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.140%		
50) Toluene-d8	10.443	98	779412	52.072	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.140%		
62) 4-Bromofluorobenzene	12.734	95	265940	43.053	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.054	85	60	1.339	ug/l #	43
5) Bromomethane	2.877	94	508	0.284	ug/l #	18
10) Methyl Iodide	4.411	142	53	6.756	ug/l #	33
13) Acrolein	4.036	56	208	0.362	ug/l #	14
16) Acetone	4.301	43	2491	1.161	ug/l	96
20) Methylene Chloride	5.090	84	1743	0.390	ug/l #	68
25) 2-Butanone	7.356	43	820	0.267	ug/l #	51
29) Tetrahydrofuran	7.694	42	661	0.342	ug/l #	45
31) Cyclohexane	8.083	56	10865	1.429	ug/l #	38
36) 1,1-Dichloropropene	8.083	75	33523	5.093	ug/l #	50
38) Carbon Tetrachloride	8.088	117	35766	5.055	ug/l #	18
59) 2-Hexanone	11.089	43	2739	0.519	ug/l	94
74) N-amyl acetate	12.393	43	1666	0.202	ug/l #	72
76) 1,2,3-Trichloropropane	12.734	75	154160	33.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	154160	83.497	ug/l #	6
89) n-Butylbenzene	13.946	91	2470	0.203	ug/l	96
93) 1,2,4-Trichlorobenzene	15.271	180	1251	0.407	ug/l #	78
95) Naphthalene	15.509	128	7124	3.238	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.705	180	1119	0.379	ug/l	88

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

Quant Time: Jun 24 05:02:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

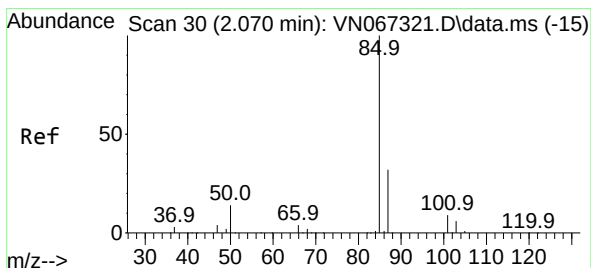
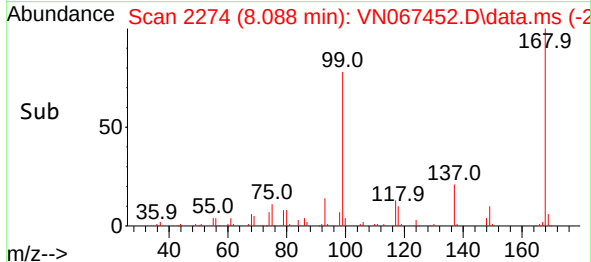
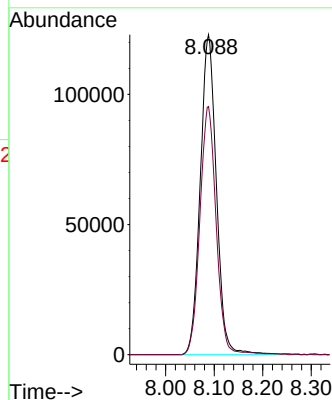
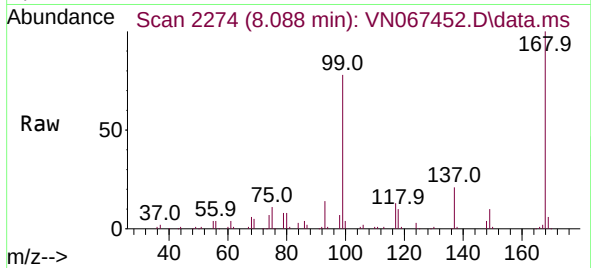




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

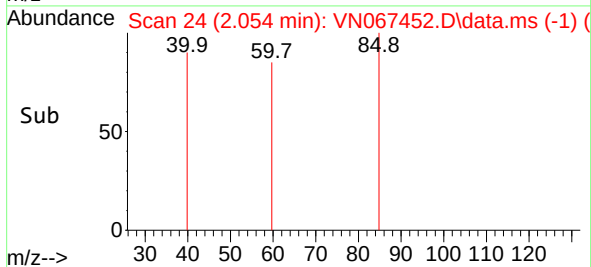
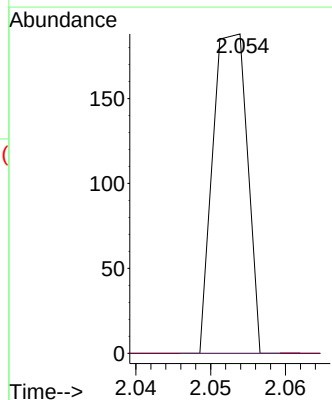
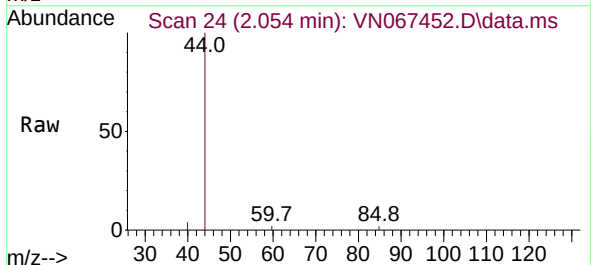
Instrument :
MSVOA_N
ClientSampled :

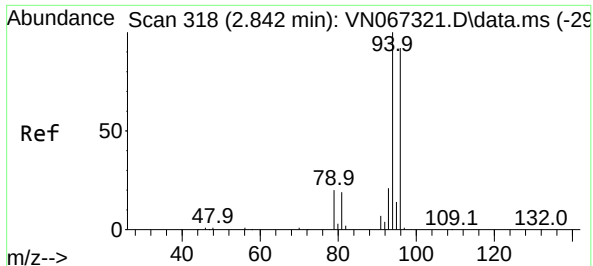
Tgt Ion:168 Resp: 283479
Ion Ratio Lower Upper
168 100
99 77.6 62.9 94.3



#2
Dichlorodifluoromethane
Concen: 1.339 ug/l
RT: 2.054 min Scan# 24
Delta R.T. -0.016 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

Tgt Ion: 85 Resp: 60
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

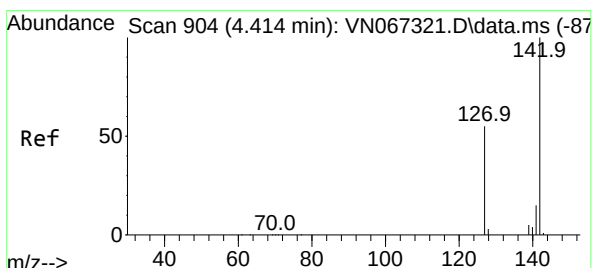
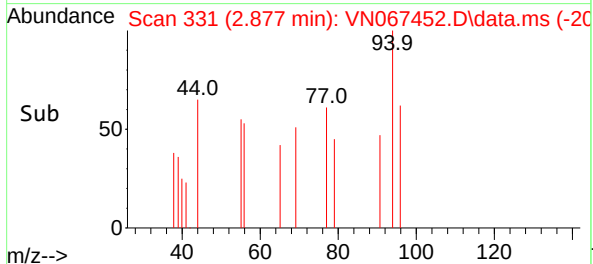
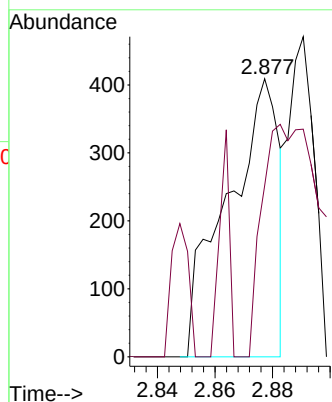
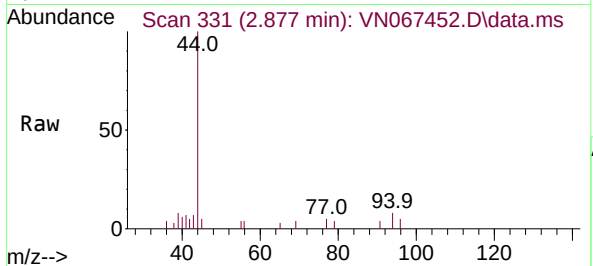




#5
Bromomethane
Concen: 0.284 ug/l
RT: 2.877 min Scan# 331
Delta R.T. 0.035 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

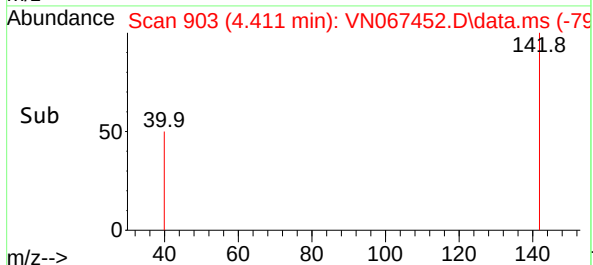
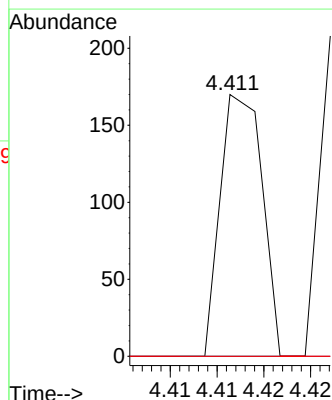
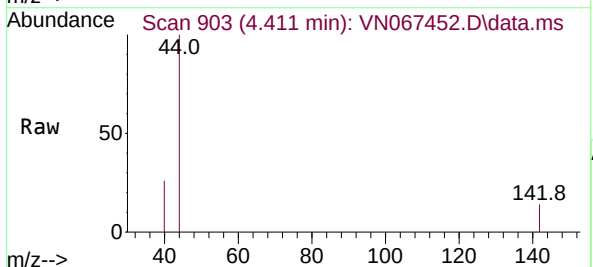
Instrument :
MSVOA_N
ClientSampled :

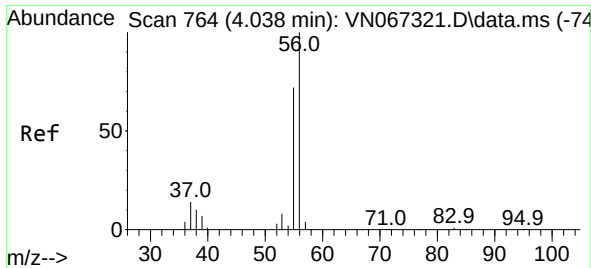
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 13.7 73.7 110.5#



#10
Methyl Iodide
Concen: 6.756 ug/l
RT: 4.411 min Scan# 903
Delta R.T. -0.003 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

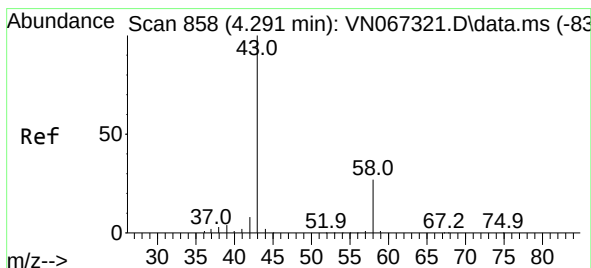
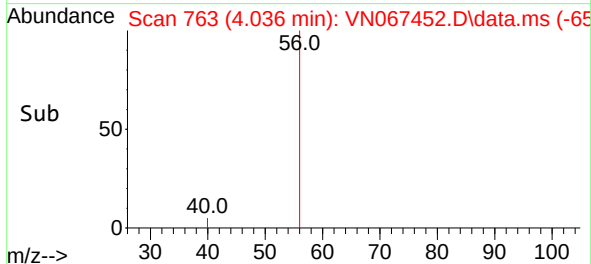
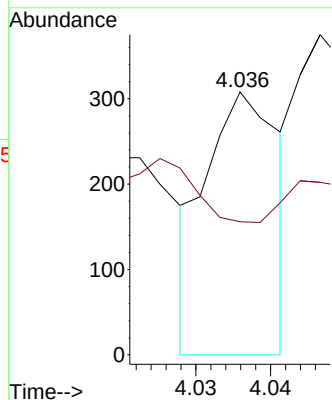
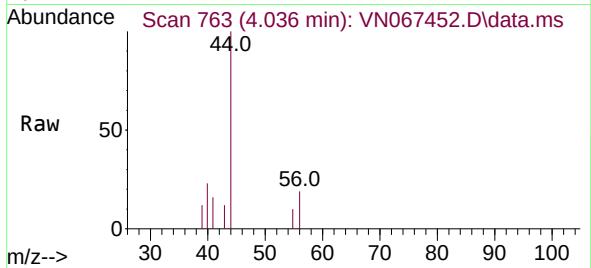




#13
Acrolein
Concen: 0.362 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.002 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

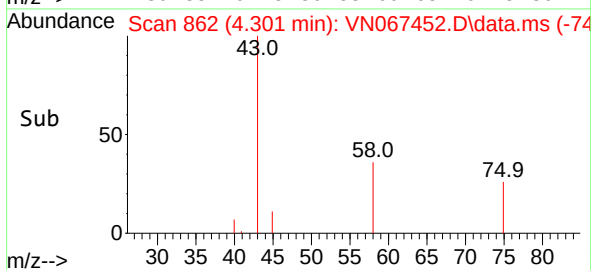
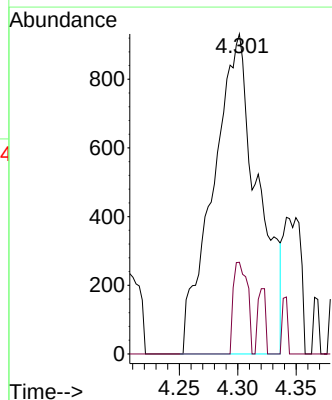
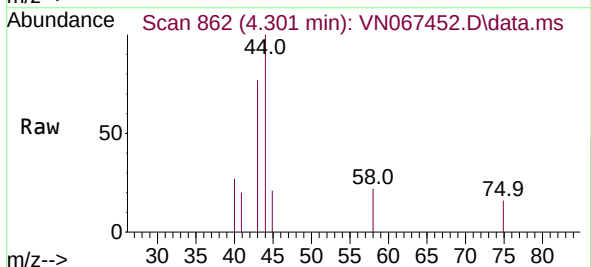
Instrument :
MSVOA_N
ClientSampled :

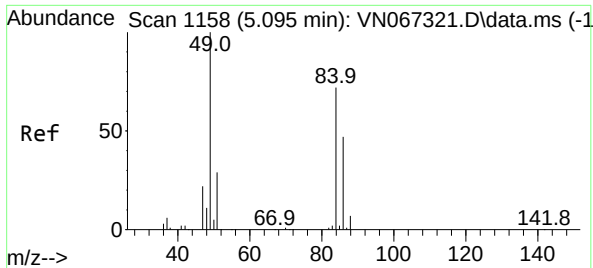
Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 1.161 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

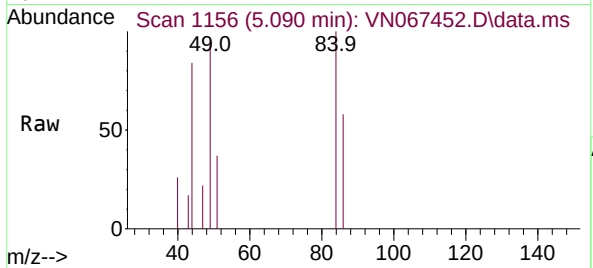
Tgt Ion: 43 Resp: 2491
Ion Ratio Lower Upper
43 100
58 28.6 21.2 31.8



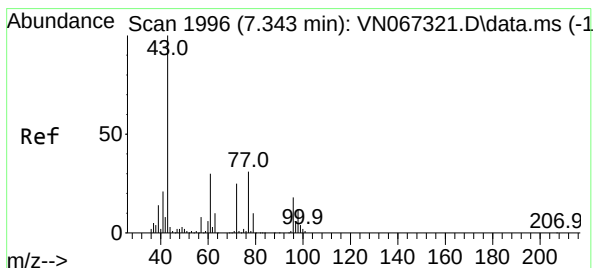
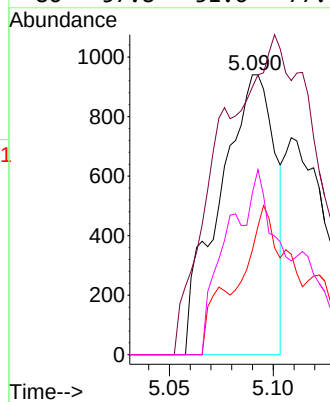
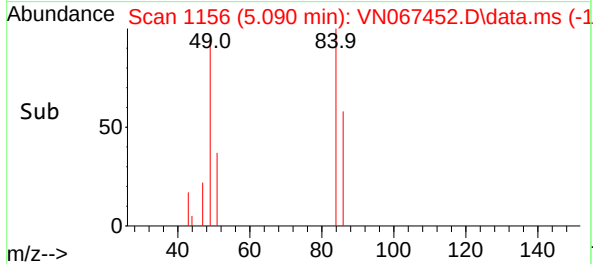


#20
Methylene Chloride
Concen: 0.390 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

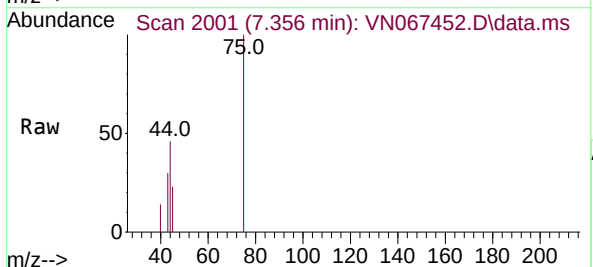
Instrument :
MSVOA_N
ClientSampled :



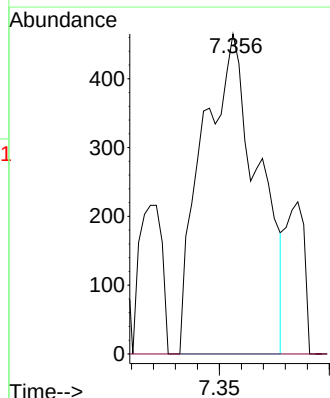
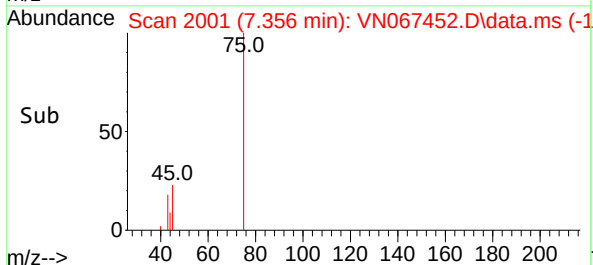
Tgt Ion:	84	Resp:	1743
Ion	Ratio	Lower	Upper
84	100		
49	77.4	110.9	166.3#
51	37.3	32.6	49.0
86	57.8	51.6	77.4

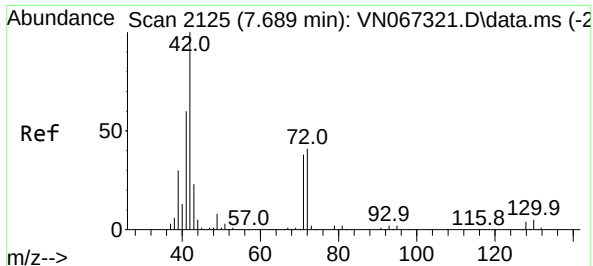


#25
2-Butanone
Concen: 0.267 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.013 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37



Tgt Ion:	43	Resp:	820
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.342 ug/l

RT: 7.694 min Scan# 2127

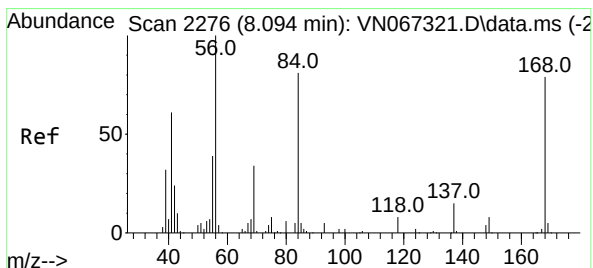
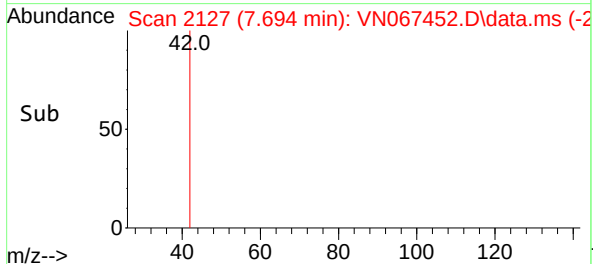
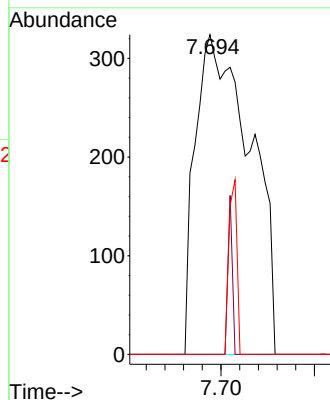
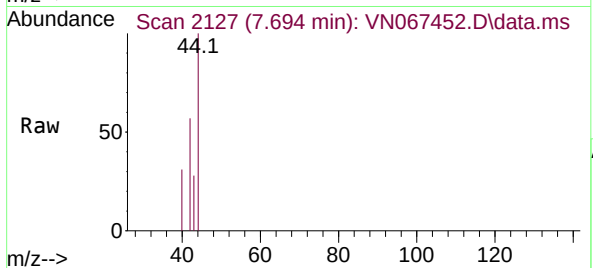
Delta R.T. 0.005 min

Lab File: VN067452.D

Acq: 23 Jun 2021 11:37

Tgt Ion:	42	Resp:	661
Ion	Ratio	Lower	Upper
42	100		
72	3.9	32.8	49.2#
71	8.0	31.2	46.8#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.429 ug/l

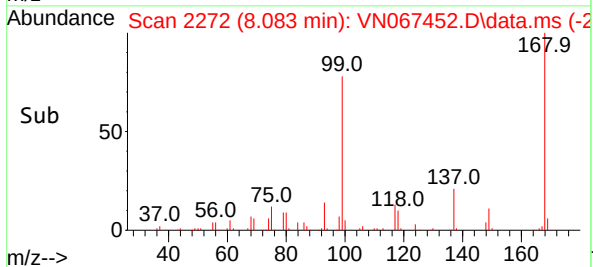
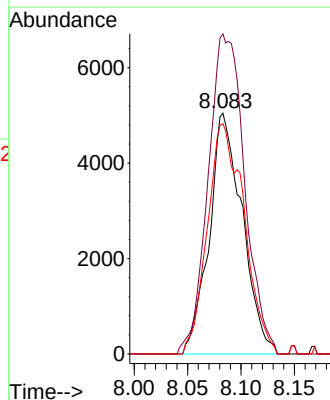
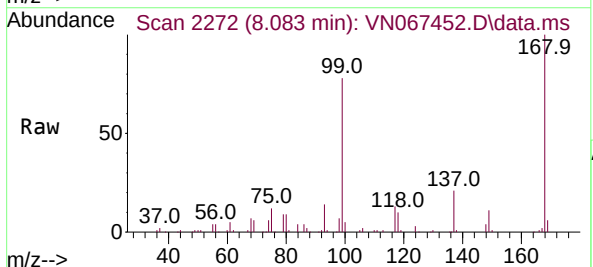
RT: 8.083 min Scan# 2272

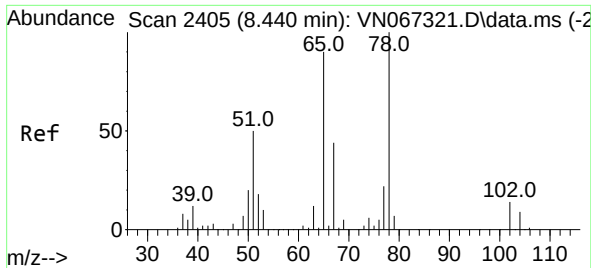
Delta R.T. -0.011 min

Lab File: VN067452.D

Acq: 23 Jun 2021 11:37

Tgt Ion:	56	Resp:	10865
Ion	Ratio	Lower	Upper
56	100		
69	132.9	27.3	40.9#
84	95.6	64.9	97.3

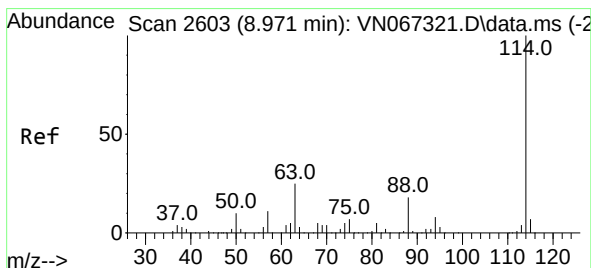
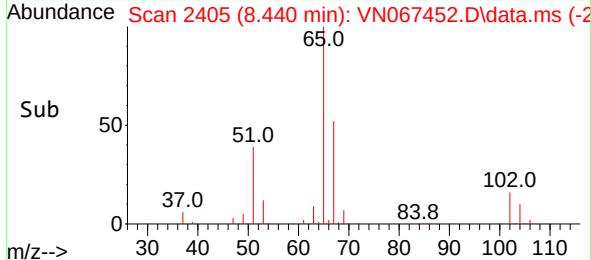
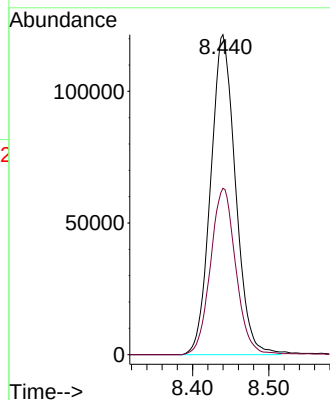
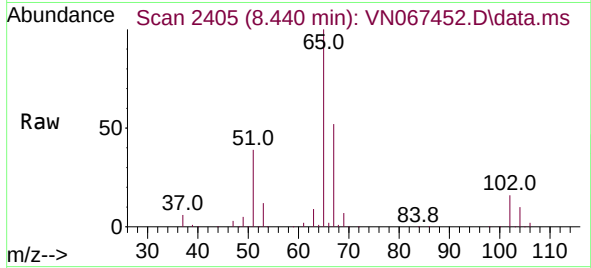




#33
1,2-Dichloroethane-d4
Concen: 49.108 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

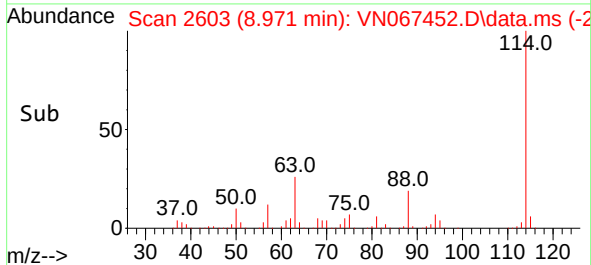
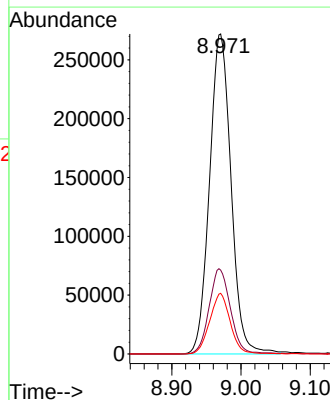
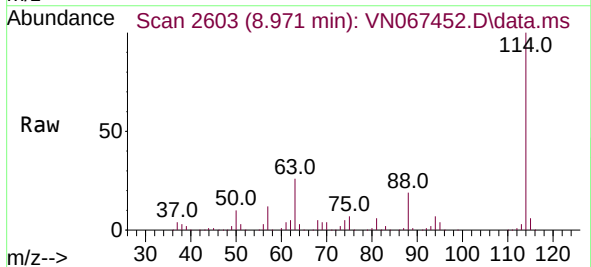
Instrument :
MSVOA_N
ClientSampled :

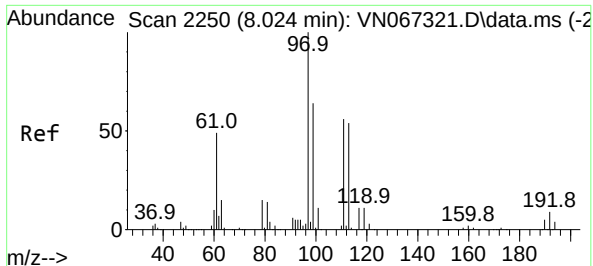
Tgt Ion: 65 Resp: 274626
Ion Ratio Lower Upper
65 100
67 53.0 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

Tgt Ion: 114 Resp: 587175
Ion Ratio Lower Upper
114 100
63 26.2 0.0 49.0
88 18.9 0.0 36.6

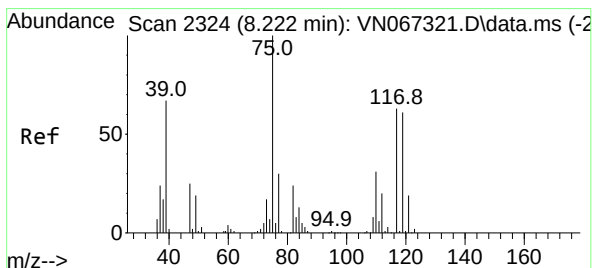
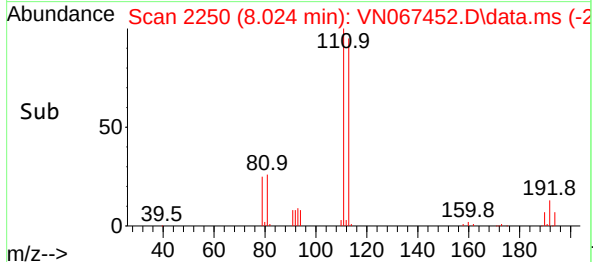
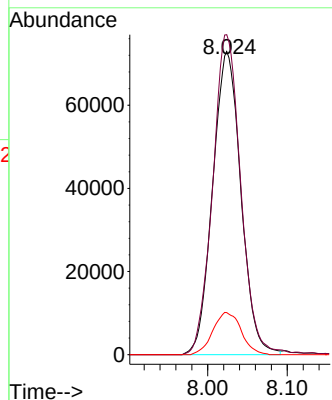
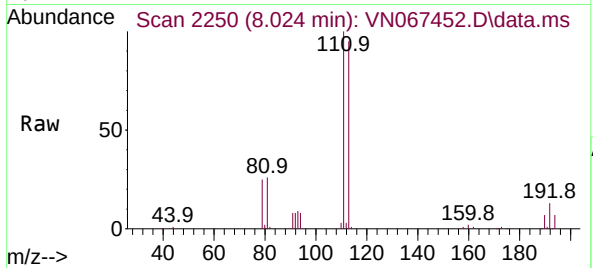




#35
Dibromofluoromethane
Concen: 46.066 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

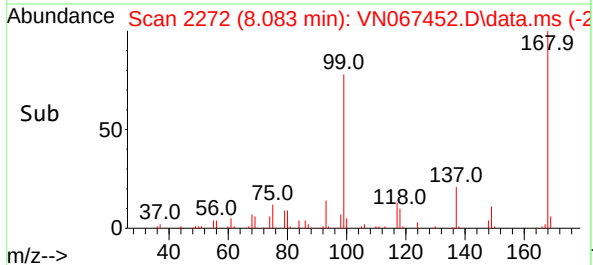
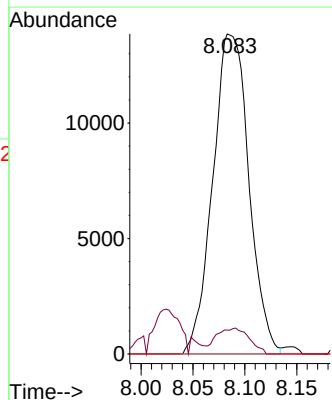
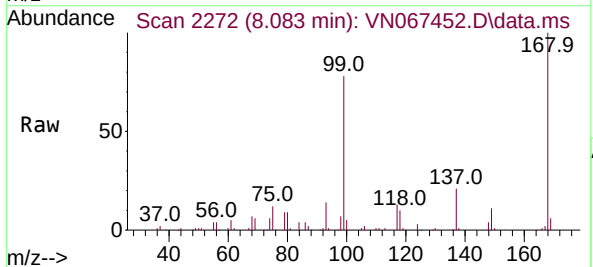
Instrument :
MSVOA_N
ClientSampled :

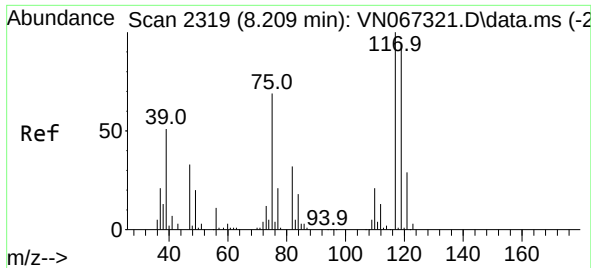
Tgt Ion:113 Resp: 179897
Ion Ratio Lower Upper
113 100
111 104.9 83.8 125.8
192 14.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.093 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

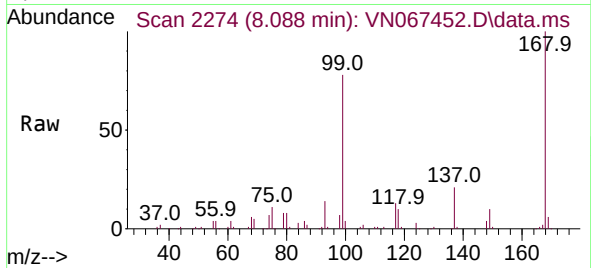
Tgt Ion: 75 Resp: 33523
Ion Ratio Lower Upper
75 100
110 7.3 15.7 47.0#
77 0.0 24.6 37.0#



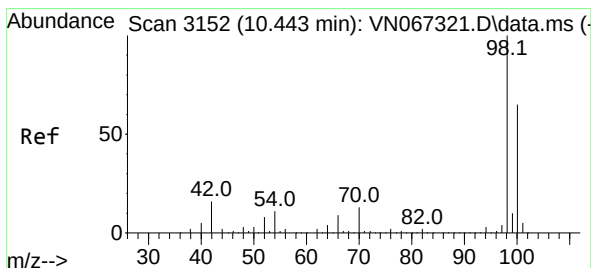
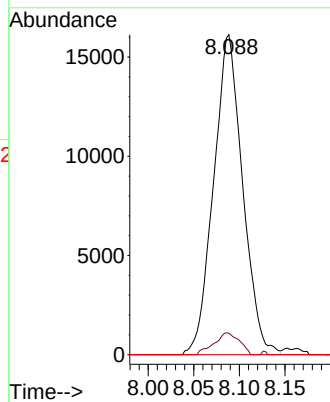
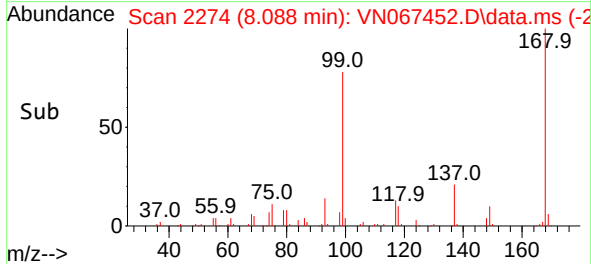


#38
Carbon Tetrachloride
Concen: 5.055 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

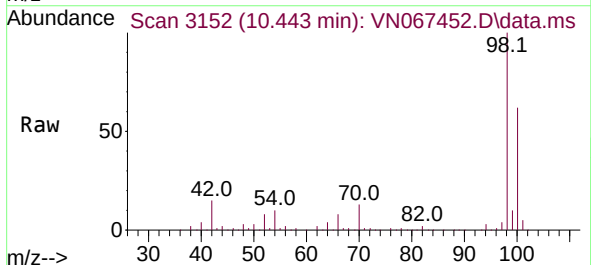
Instrument :
MSVOA_N
ClientSampleId :



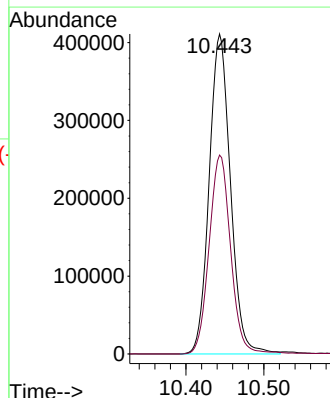
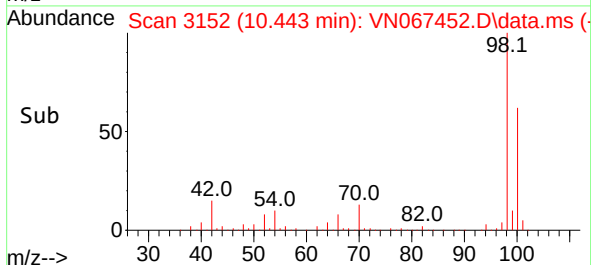
Tgt Ion:117 Resp: 35766
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 23.5 35.3#

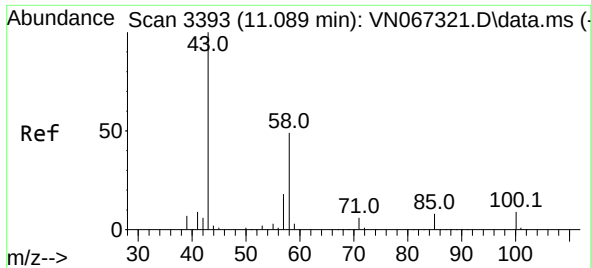


#50
Toluene-d8
Concen: 52.072 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37



Tgt Ion: 98 Resp: 779412
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

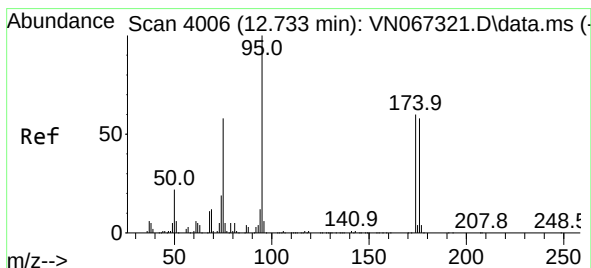
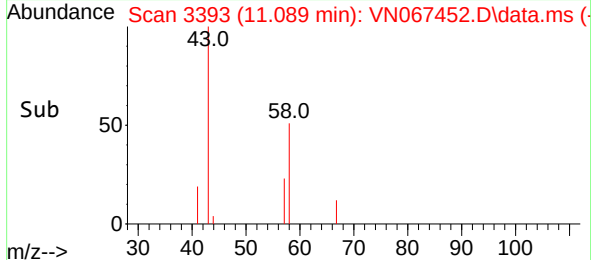
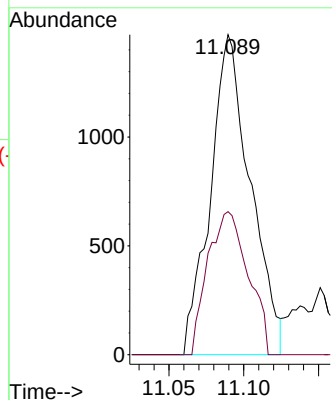
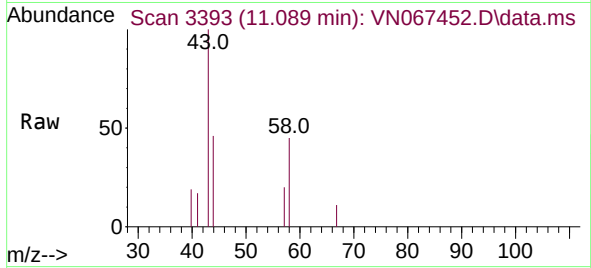




#59
2-Hexanone
Concen: 0.519 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

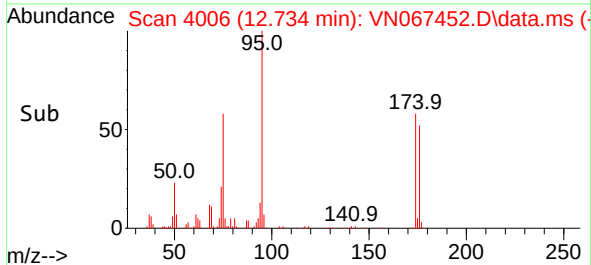
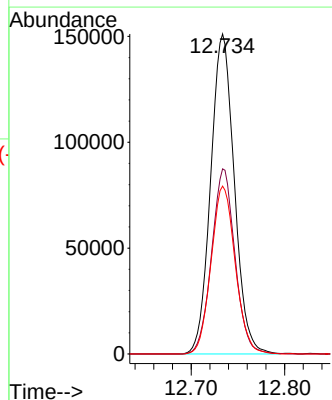
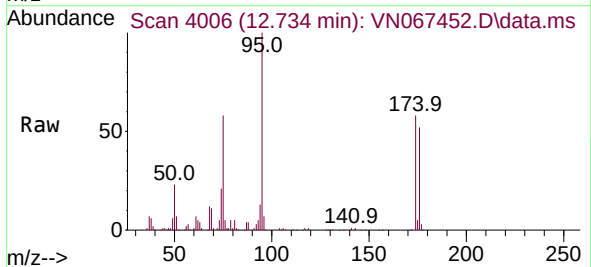
Instrument :
MSVOA_N
ClientSampled :

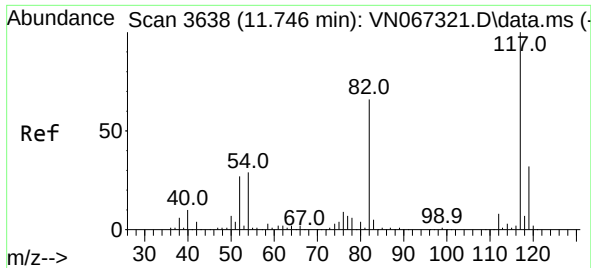
Tgt Ion: 43 Resp: 2739
Ion Ratio Lower Upper
43 100
58 45.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 43.053 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

Tgt Ion: 95 Resp: 265940
Ion Ratio Lower Upper
95 100
174 57.2 0.0 122.0
176 53.7 0.0 117.6

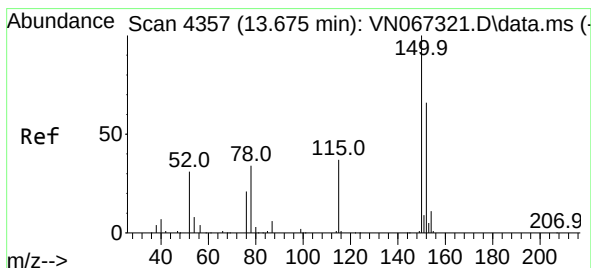
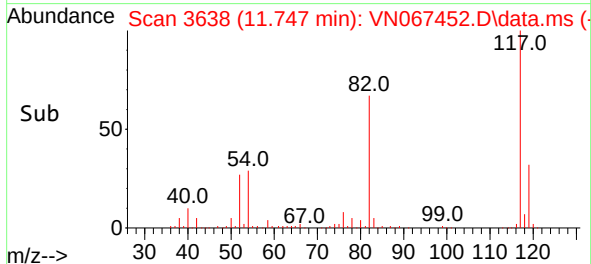
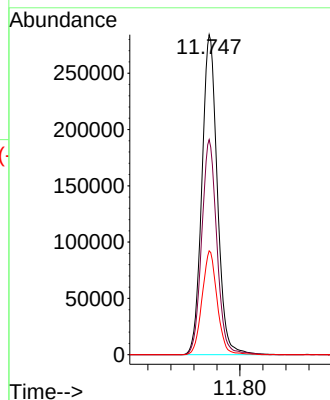
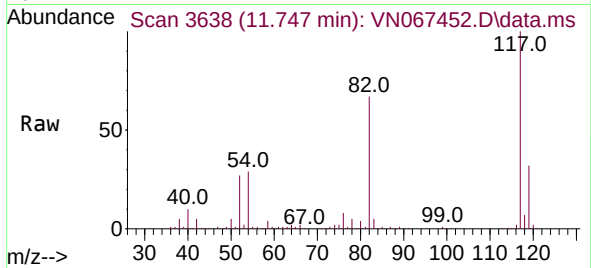




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

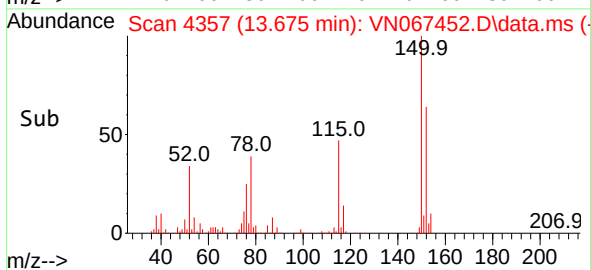
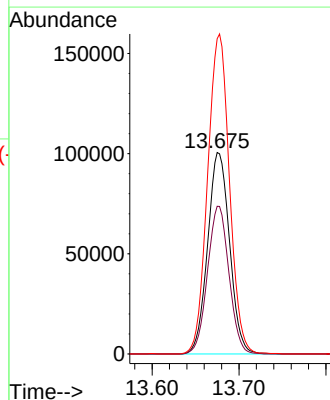
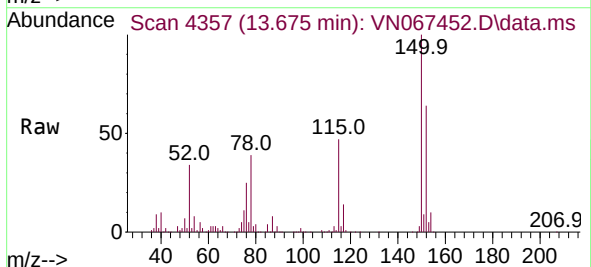
Instrument :
MSVOA_N
ClientSampleId :

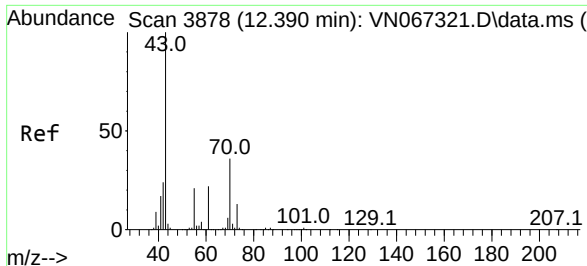
Tgt Ion:117 Resp: 527933
Ion Ratio Lower Upper
117 100
82 67.2 53.1 79.7
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

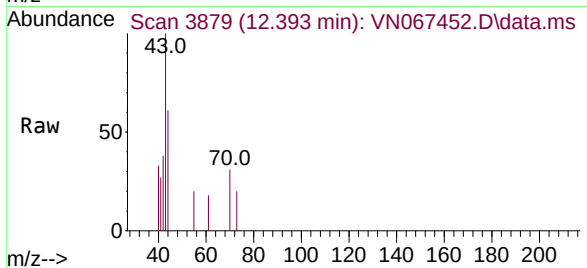
Tgt Ion:152 Resp: 176202
Ion Ratio Lower Upper
152 100
115 71.7 36.1 108.5
150 158.1 0.0 351.8



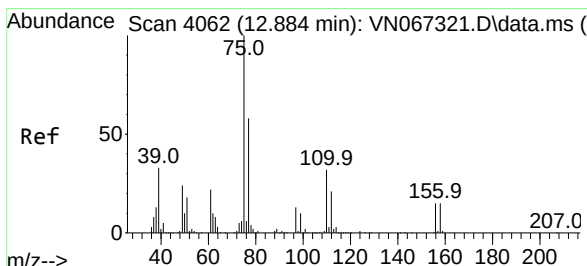
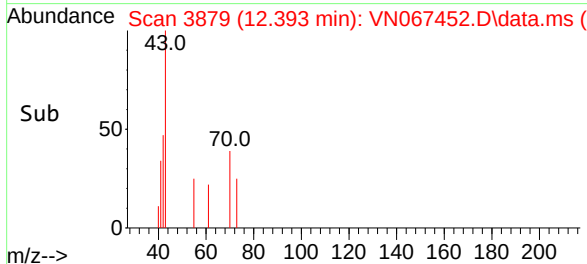
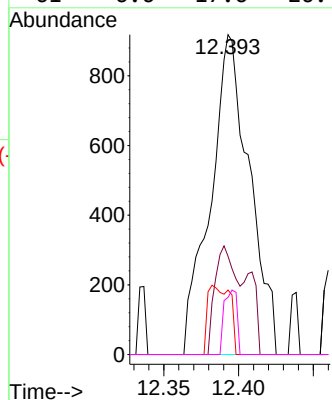


#74
N-amy1 acetate
Concen: 0.202 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

Instrument :
MSVOA_N
ClientSampleId :

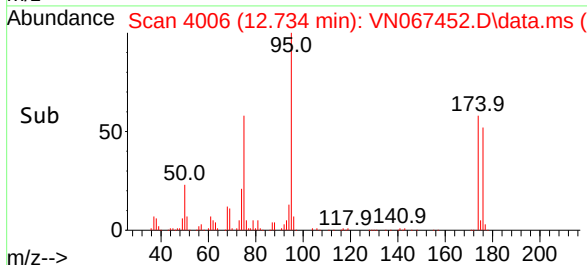
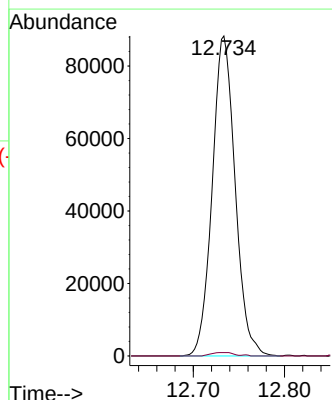
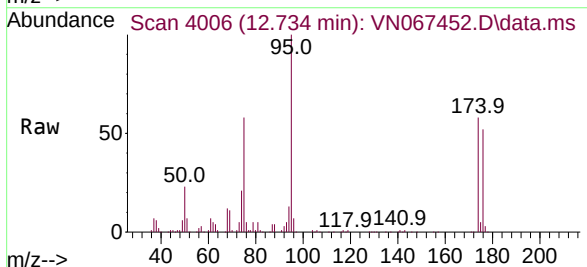


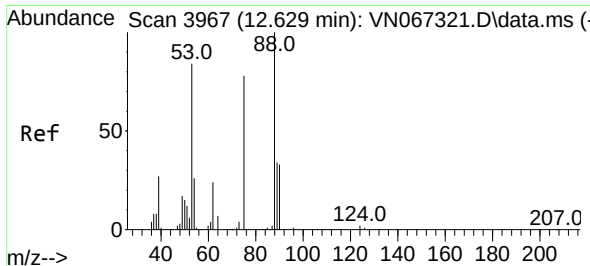
Tgt Ion:	43	Resp:	1666
Ion Ratio	100	Lower	Upper
70	18.5	29.4	44.2#
55	12.3	17.0	25.4#
61	6.6	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 33.691 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

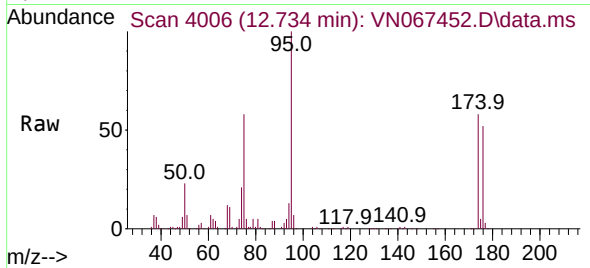
Tgt Ion:	75	Resp:	154160
Ion Ratio	100	Lower	Upper
77	1.0	0.0	0.0#



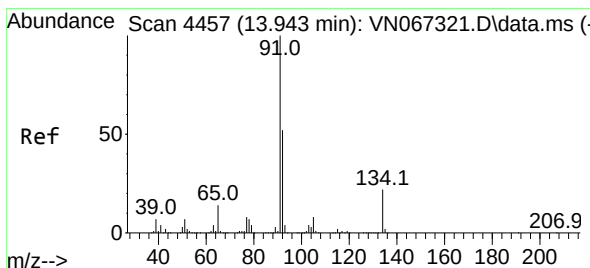
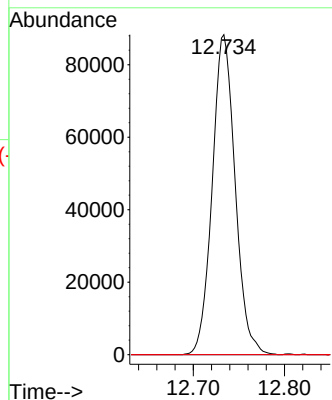
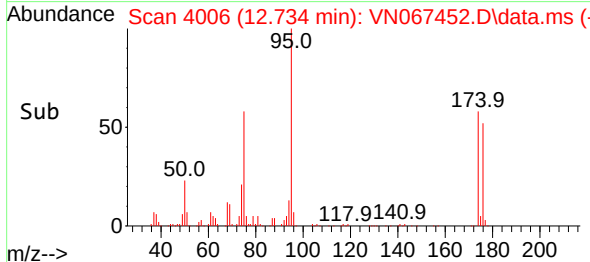


#81
trans-1,4-Dichloro-2-butene
Concen: 83.497 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37

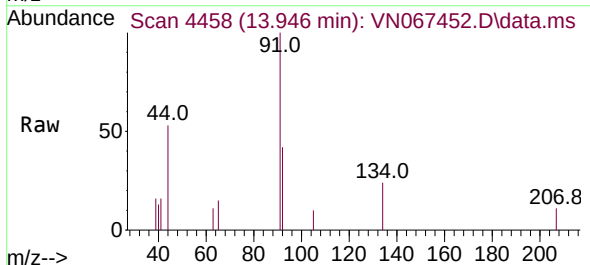
Instrument :
MSVOA_N
ClientSampled :



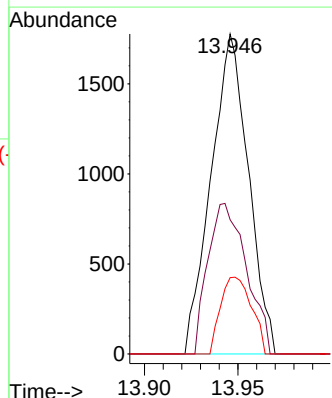
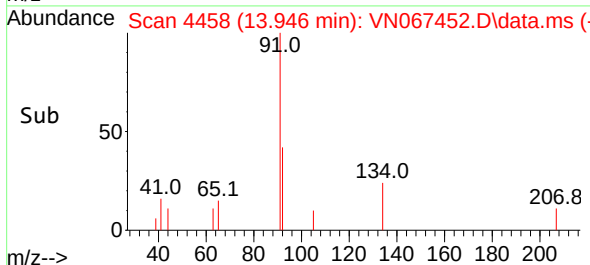
Tgt Ion: 75 Resp: 154160
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

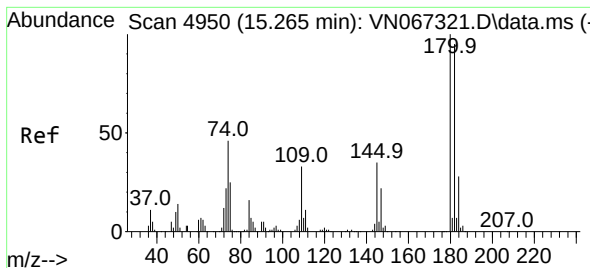


#89
n-Butylbenzene
Concen: 0.203 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN067452.D
Acq: 23 Jun 2021 11:37



Tgt Ion: 91 Resp: 2470
Ion Ratio Lower Upper
91 100
92 48.6 25.7 77.1
134 19.9 11.2 33.6





#93

1,2,4-Trichlorobenzene

Concen: 0.407 ug/l

RT: 15.271 min Scan# 4952

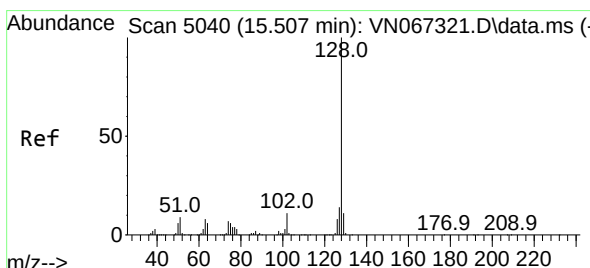
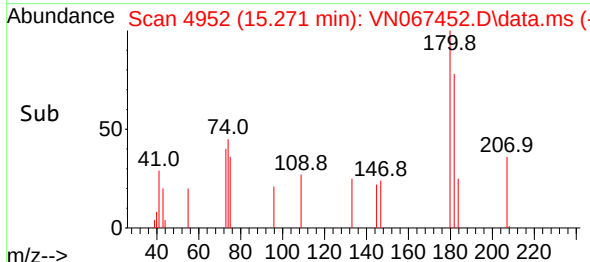
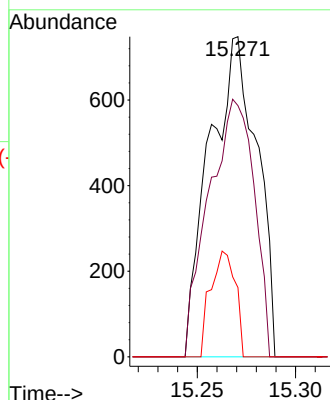
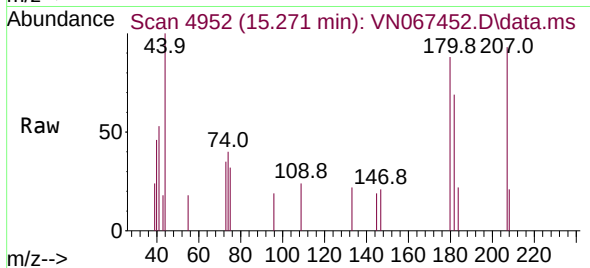
Delta R.T. 0.006 min

Lab File: VN067452.D

Acq: 23 Jun 2021 11:37

Tgt Ion:	180	Resp:	1251
Ion Ratio	Lower	Upper	
180	100		
182	76.9	47.5	142.5
145	17.2	17.2	51.6#

Instrument :
MSVOA_N
ClientSampleId :



#95

Naphthalene

Concen: 3.238 ug/l

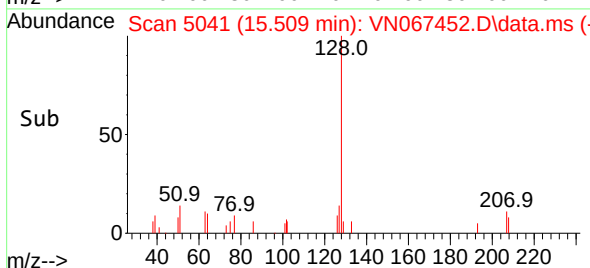
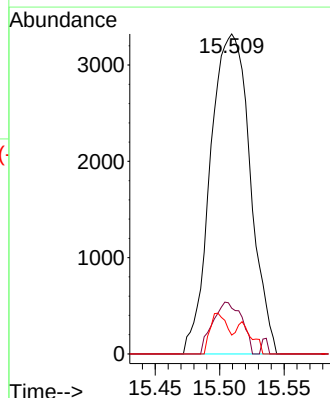
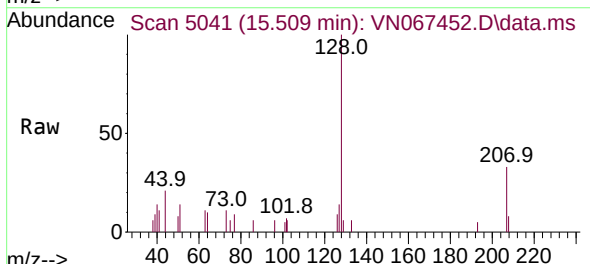
RT: 15.509 min Scan# 5041

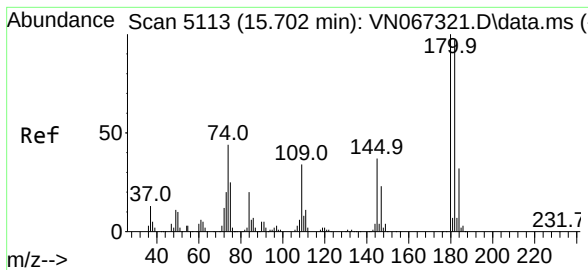
Delta R.T. 0.002 min

Lab File: VN067452.D

Acq: 23 Jun 2021 11:37

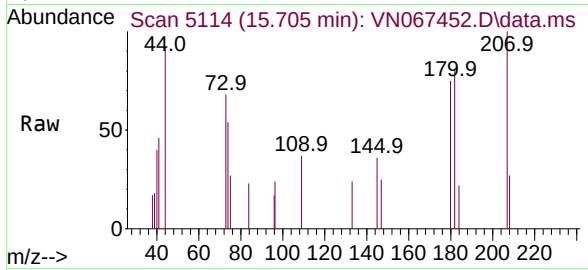
Tgt Ion:	128	Resp:	7124
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.6	15.8
129	5.6	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.379 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067452.D
 Acq: 23 Jun 2021 11:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1119
Ion	Ratio	Lower	Upper
180	100		
182	110.6	47.8	143.3
145	38.9	18.2	54.6

