

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061521\
 Data File : VN067349.D
 Acq On : 15 Jun 2021 16:24
 Operator : JC/MD
 Sample : PB137096TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

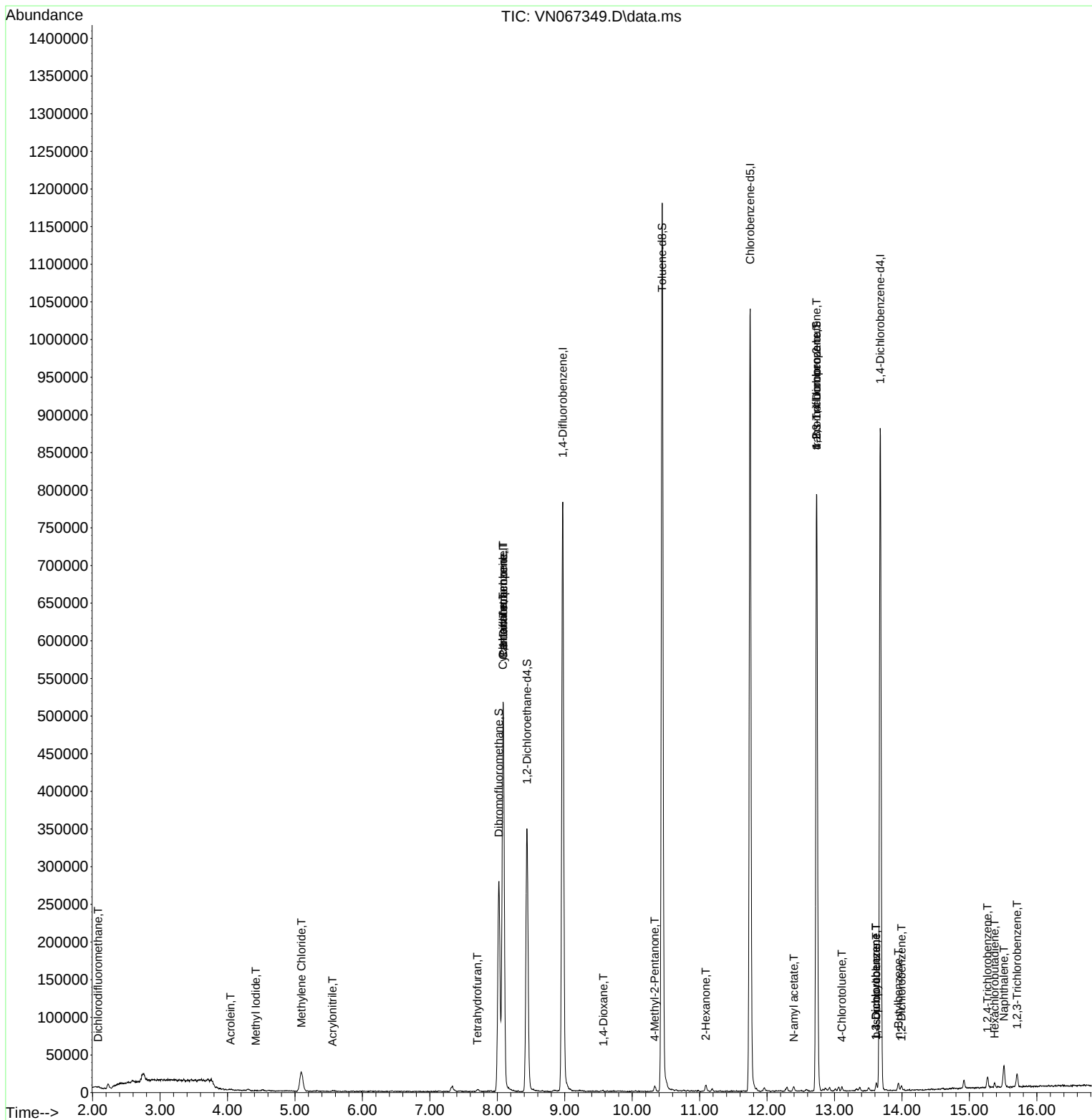
Quant Time: Jun 16 02:39:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

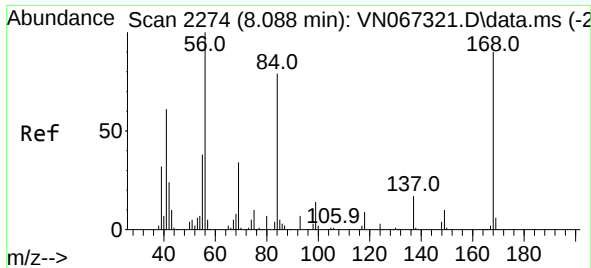
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	335805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	622444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	547703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	204772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	310923	46.935	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.880%		
35) Dibromofluoromethane	8.024	113	197644	47.743	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.480%		
50) Toluene-d8	10.443	98	797224	50.244	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.480%		
62) 4-Bromofluorobenzene	12.733	95	298714	45.619	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.081	85	55	1.336	ug/l #	43
10) Methyl Iodide	4.419	142	1025	6.951	ug/l #	58
13) Acrolein	4.044	56	837	1.230	ug/l #	14
15) Acrylonitrile	5.557	53	659	0.275	ug/l #	61
20) Methylene Chloride	5.095	84	19909	3.764	ug/l	89
29) Tetrahydrofuran	7.705	42	1970	0.860	ug/l #	83
31) Cyclohexane	8.083	56	12112	1.345	ug/l #	45
36) 1,1-Dichloropropene	8.086	75	37187	5.329	ug/l #	48
38) Carbon Tetrachloride	8.088	117	41926	5.590	ug/l #	16
49) 1,4-Dioxane	9.574	88	65	0.785	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	5318	0.696	ug/l	92
59) 2-Hexanone	11.092	43	7667	1.370	ug/l	78
74) N-amyl acetate	12.396	43	4234	0.441	ug/l #	84
76) 1,2,3-Trichloropropane	12.733	75	175937	33.086	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	175937	81.997	ug/l #	6
82) 4-Chlorotoluene	13.109	91	3542	0.244	ug/l	86
86) p-Isopropyltoluene	13.619	119	3026	0.201	ug/l	90
87) 1,3-Dichlorobenzene	13.613	146	2063	0.286	ug/l	99
88) 1,4-Dichlorobenzene	13.613	146	2063	0.284	ug/l	97
89) n-Butylbenzene	13.948	91	6187	0.437	ug/l	97
91) 1,2-Dichlorobenzene	13.994	146	2532	0.370	ug/l	98
93) 1,2,4-Trichlorobenzene	15.268	180	4013	1.122	ug/l	93
94) Hexachlorobutadiene	15.373	225	1219	0.594	ug/l #	50
95) Naphthalene	15.512	128	23840	4.424	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.705	180	4907	1.429	ug/l	92

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
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Response via : Initial Calibration

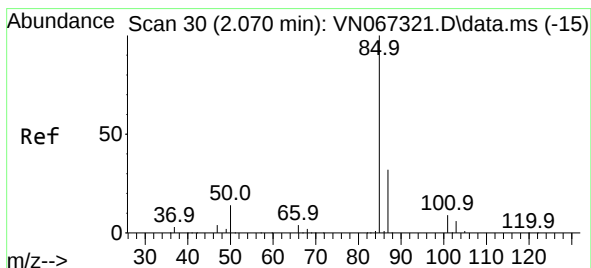
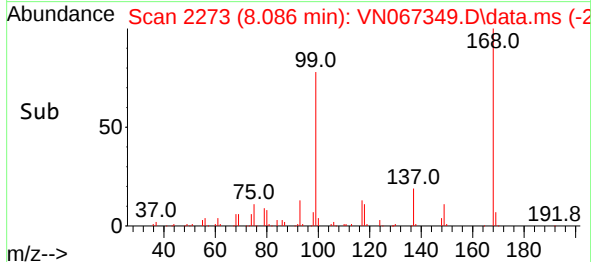
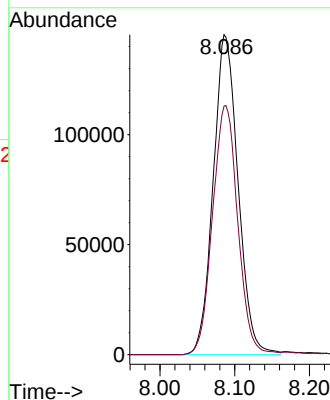
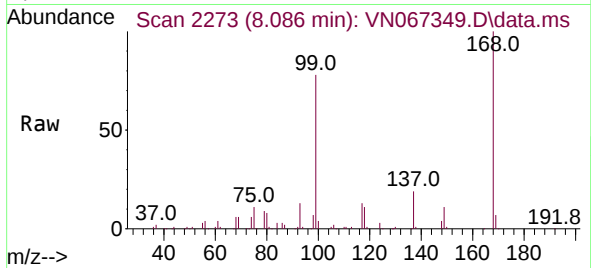




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

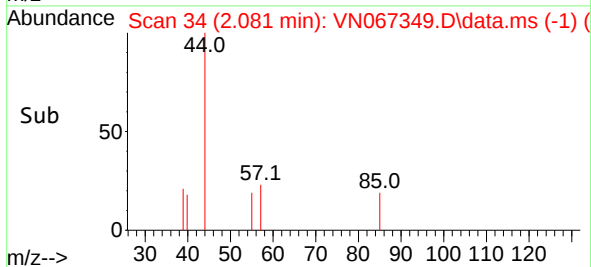
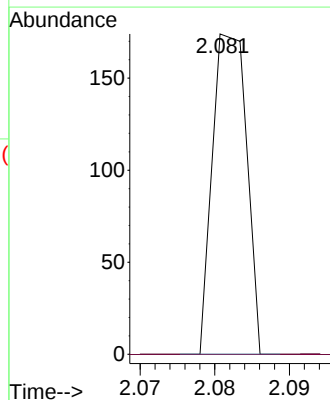
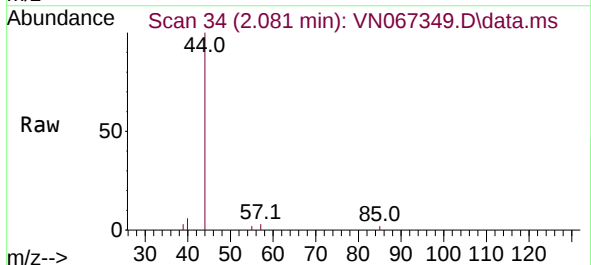
Instrument :
MSVOA_N
ClientSampled :

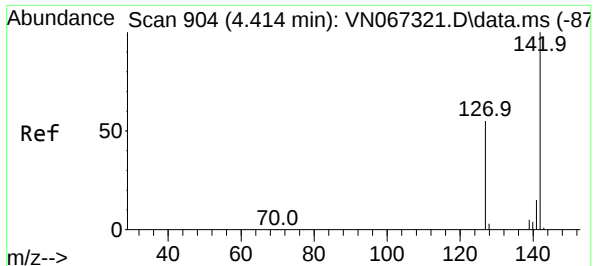
Tgt Ion:168 Resp: 335805
Ion Ratio Lower Upper
168 100
99 77.7 62.9 94.3



#2
Dichlorodifluoromethane
Concen: 1.336 ug/l
RT: 2.081 min Scan# 34
Delta R.T. 0.011 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

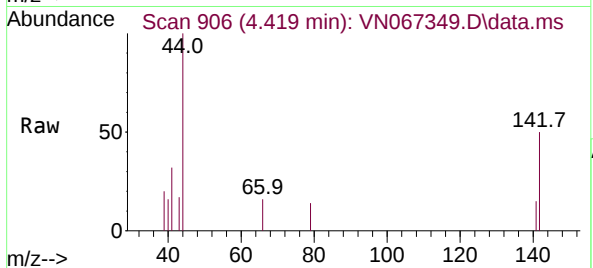
Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



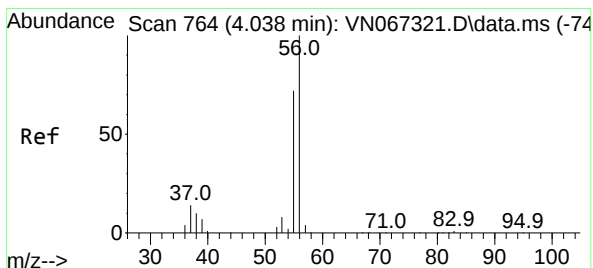
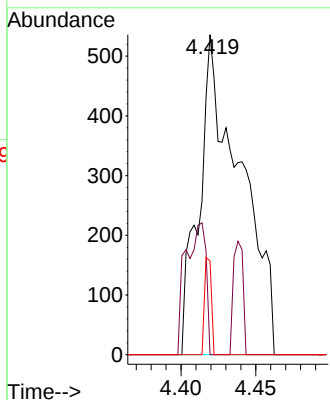
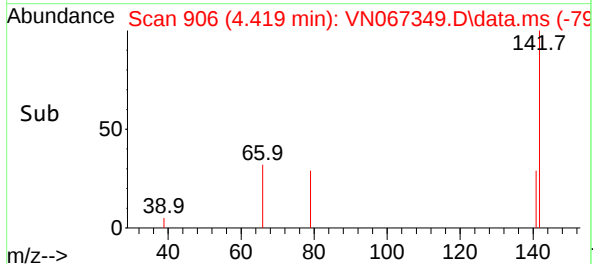


#10
Methyl Iodide
Concen: 6.951 ug/l
RT: 4.419 min Scan# 906
Delta R.T. 0.005 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

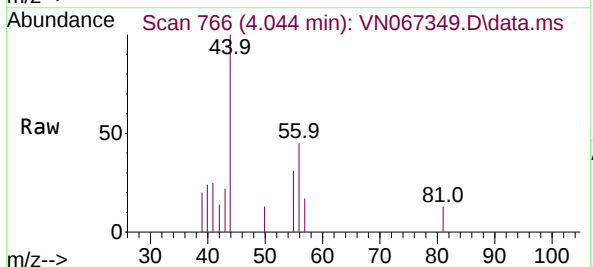
Instrument :
MSVOA_N
ClientSampled :



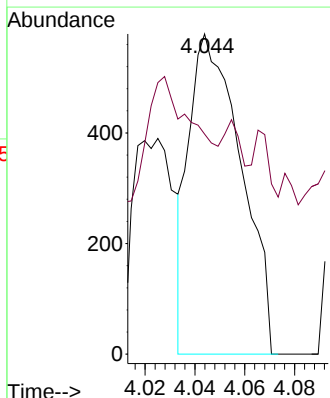
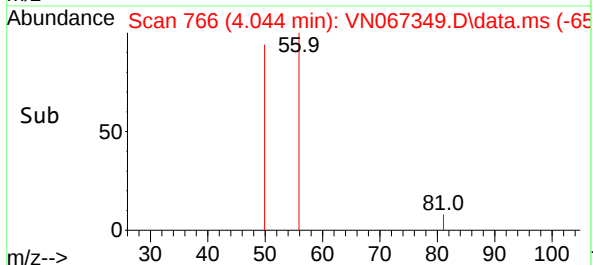
Tgt Ion:142 Resp: 1025
Ion Ratio Lower Upper
142 100
127 20.3 43.1 64.7#
141 5.1 11.4 17.0#

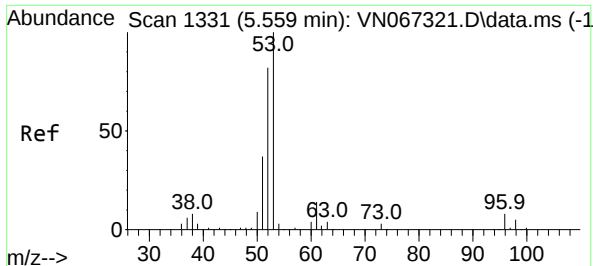


#13
Acrolein
Concen: 1.230 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24



Tgt Ion: 56 Resp: 837
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#





#15

Acrylonitrile

Concen: 0.275 ug/l

RT: 5.557 min Scan# 1330

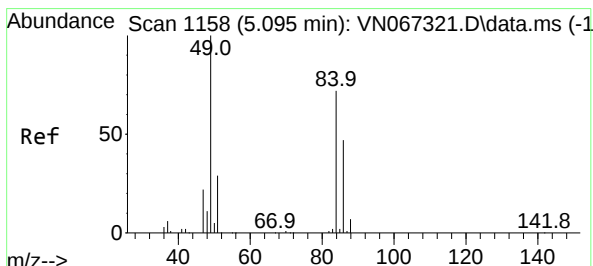
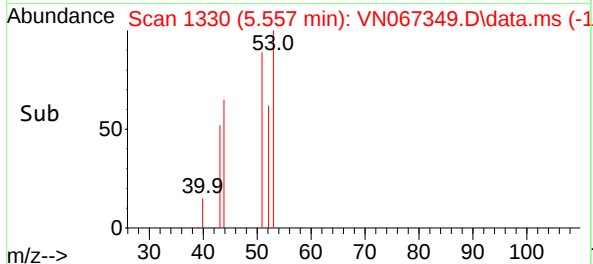
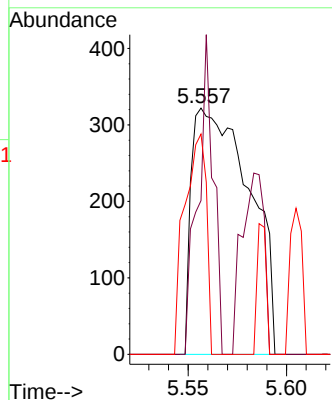
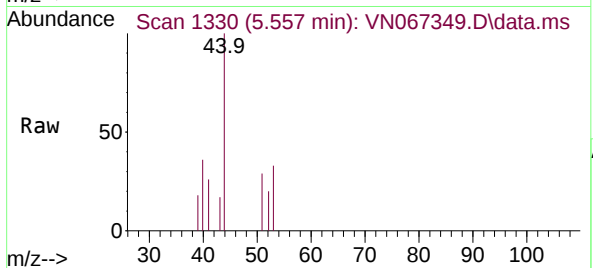
Delta R.T. -0.002 min

Lab File: VN067349.D

Acq: 15 Jun 2021 16:24

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 53	Resp: 659
Ion Ratio	Lower Upper
53 100	
52 34.6	66.2 99.2#
51 33.7	30.2 45.4



#20

Methylene Chloride

Concen: 3.764 ug/l

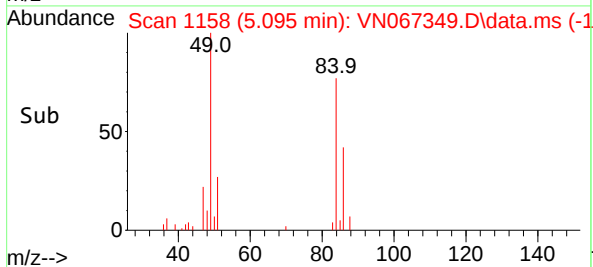
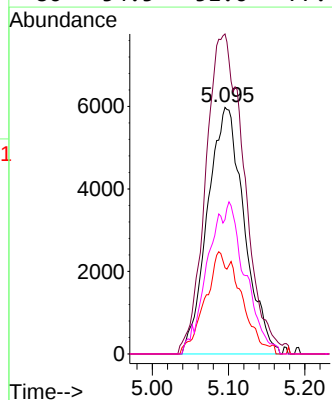
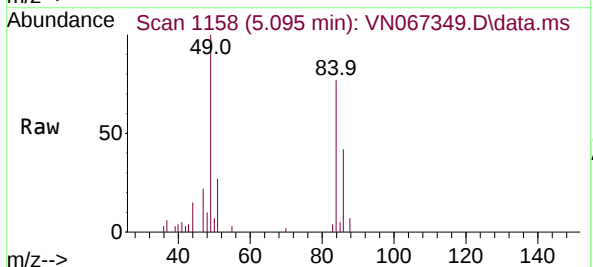
RT: 5.095 min Scan# 1158

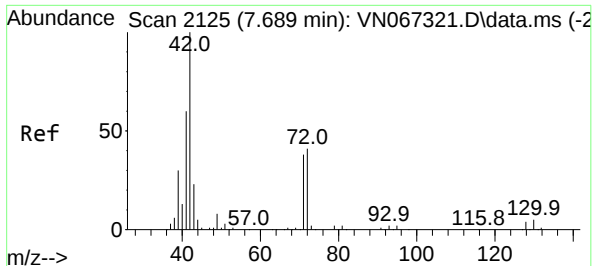
Delta R.T. 0.000 min

Lab File: VN067349.D

Acq: 15 Jun 2021 16:24

Tgt Ion: 84	Resp: 19909
Ion Ratio	Lower Upper
84 100	
49 126.4	110.9 166.3
51 34.9	32.6 49.0
86 54.5	51.6 77.4





#29

Tetrahydrofuran

Concen: 0.860 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.016 min

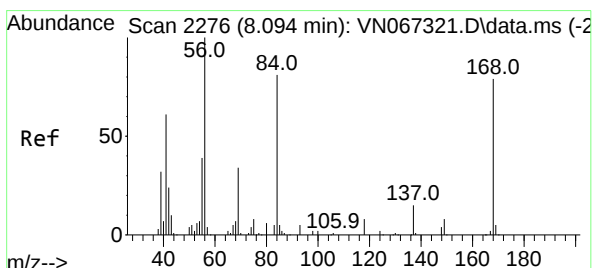
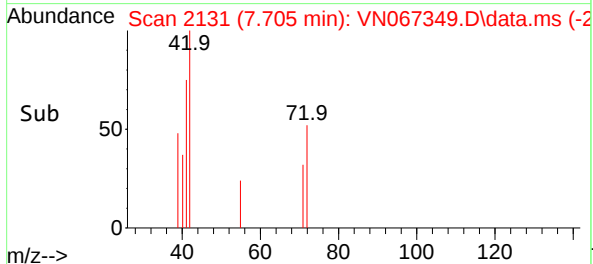
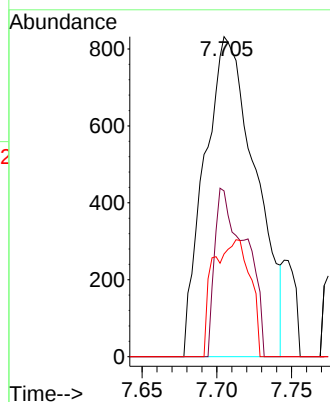
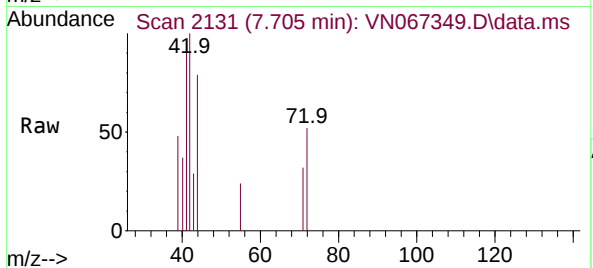
Lab File: VN067349.D

Acq: 15 Jun 2021 16:24

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42 Resp: 1970

Ion	Ratio	Lower	Upper
42	100		
72	32.3	32.8	49.2#
71	26.4	31.2	46.8#



#31

Cyclohexane

Concen: 1.345 ug/l

RT: 8.083 min Scan# 2272

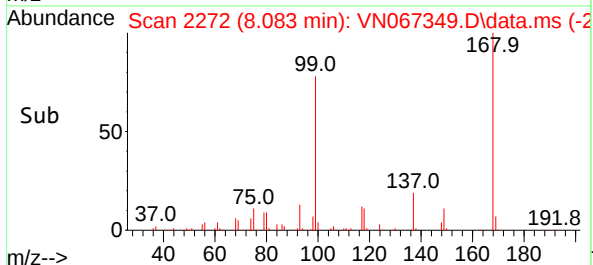
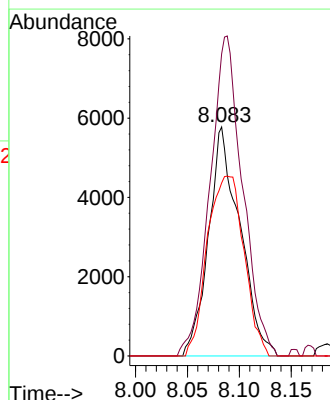
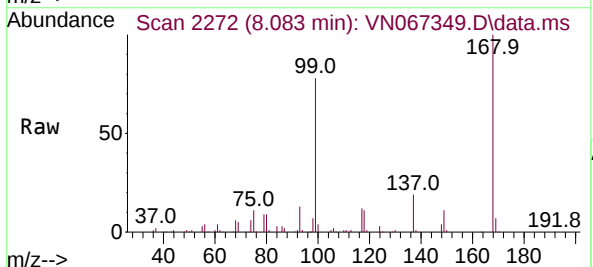
Delta R.T. -0.011 min

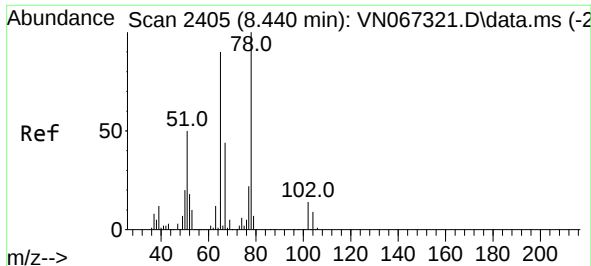
Lab File: VN067349.D

Acq: 15 Jun 2021 16:24

Tgt Ion: 56 Resp: 12112

Ion	Ratio	Lower	Upper
56	100		
69	131.9	27.3	40.9#
84	75.5	64.9	97.3



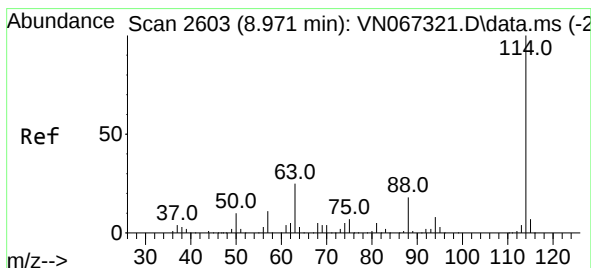
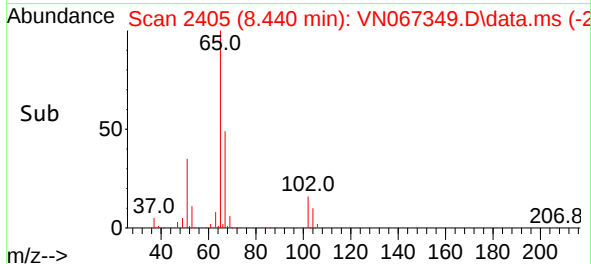
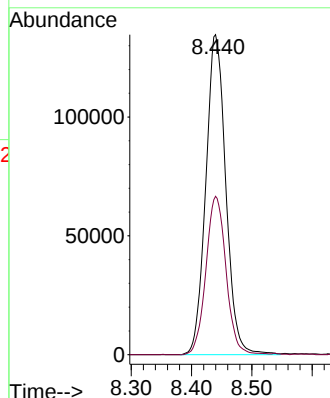
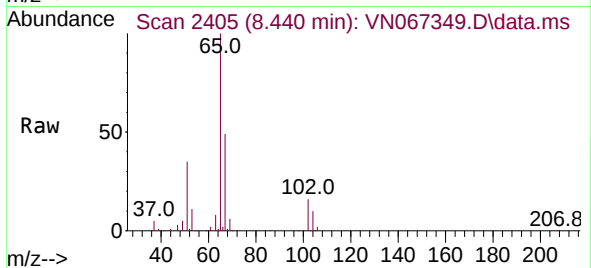


#33

1,2-Dichloroethane-d4
Concen: 46.935 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Instrument :
MSVOA_N
ClientSampleId :

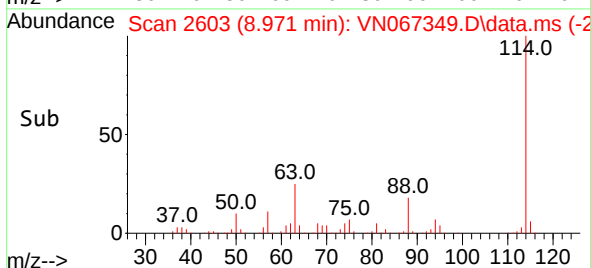
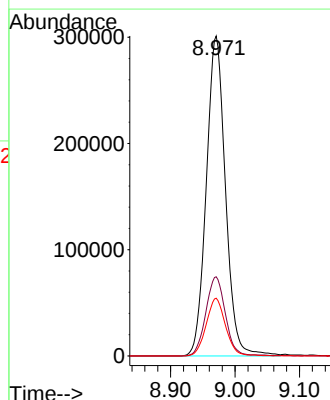
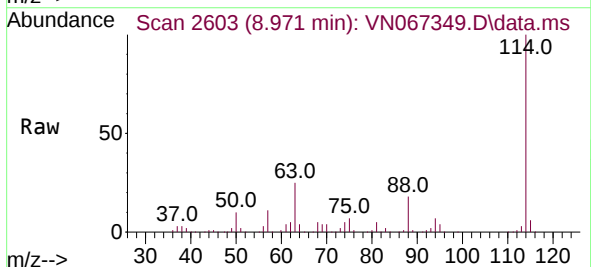
Tgt Ion: 65 Resp: 310923
Ion Ratio Lower Upper
65 100
67 49.7 0.0 98.6

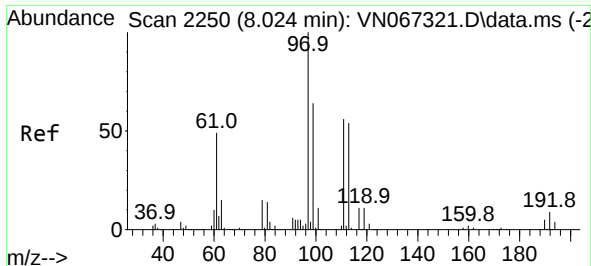


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Tgt Ion: 114 Resp: 622444
Ion Ratio Lower Upper
114 100
63 24.8 0.0 49.0
88 18.0 0.0 36.6

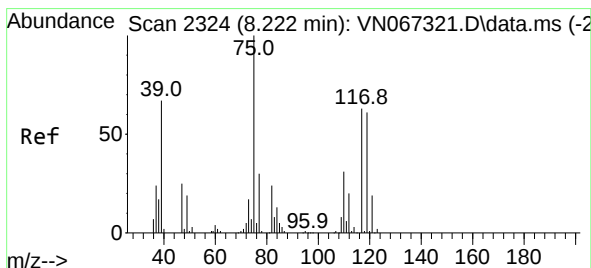
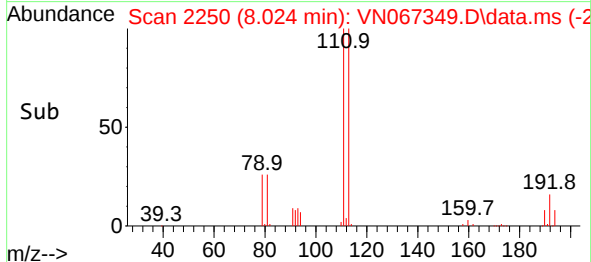
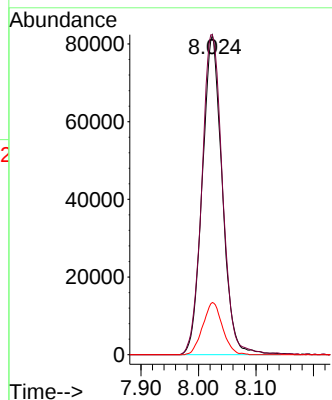
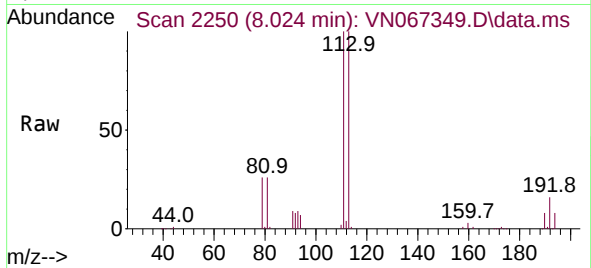




#35
Dibromofluoromethane
Concen: 47.743 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

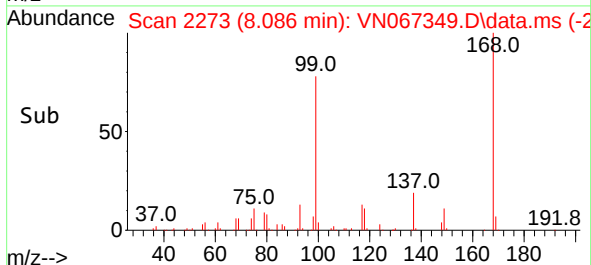
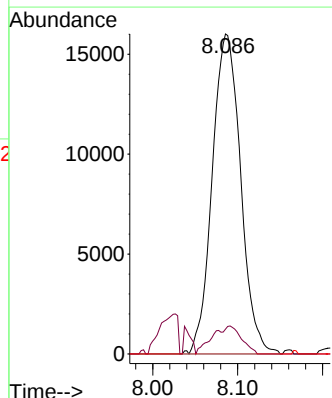
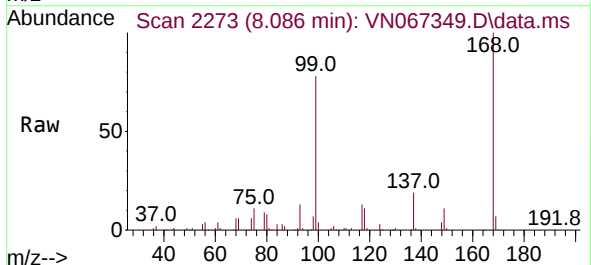
Instrument :
MSVOA_N
ClientSampled :

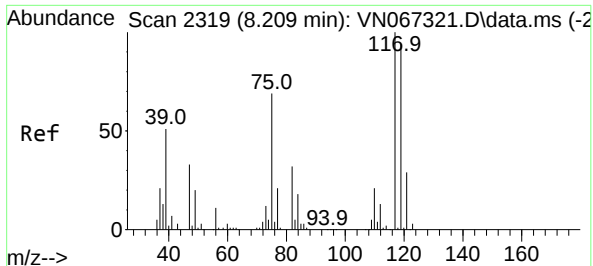
Tgt Ion:113 Resp: 197644
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 16.2 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.329 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

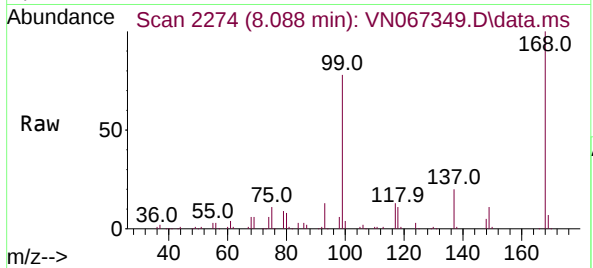
Tgt Ion: 75 Resp: 37187
Ion Ratio Lower Upper
75 100
110 5.1 15.7 47.0#
77 0.0 24.6 37.0#



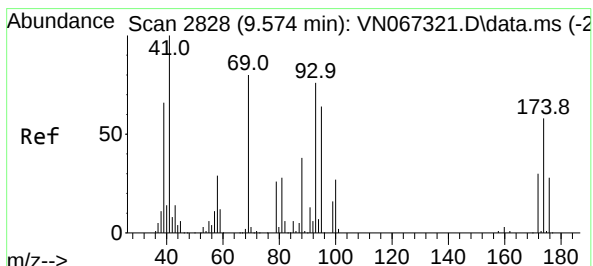
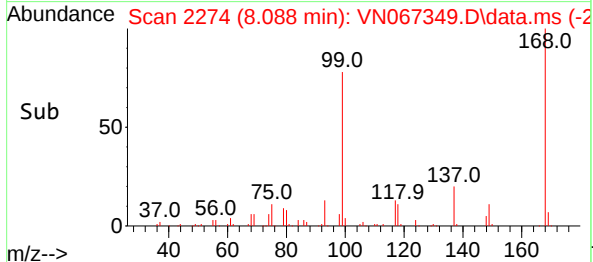
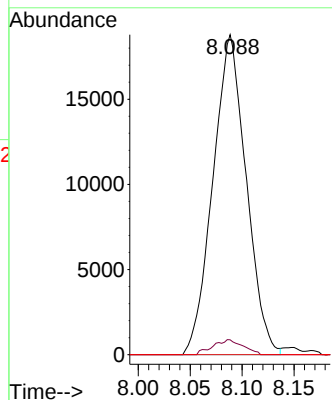


#38
Carbon Tetrachloride
Concen: 5.590 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Instrument :
MSVOA_N
ClientSampled :

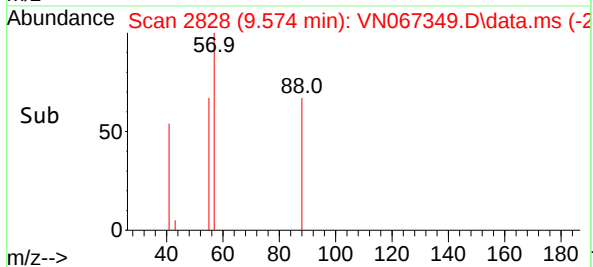
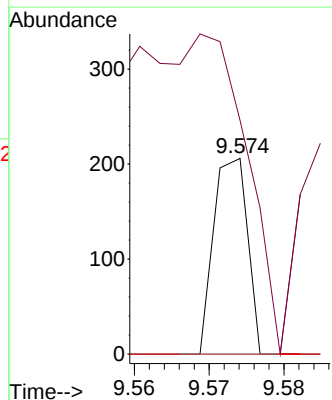
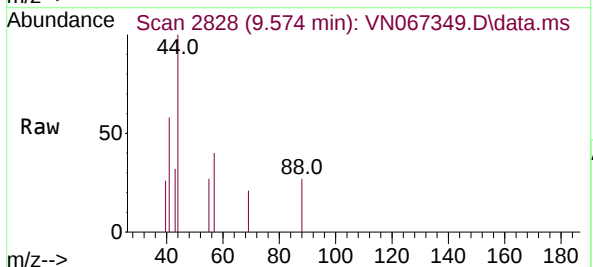


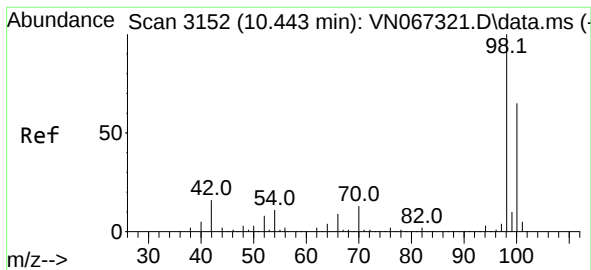
Tgt Ion:117 Resp: 41926
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#



#49
1,4-Dioxane
Concen: 0.785 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.000 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 616.9 28.8 43.2#
58 0.0 60.4 90.6#

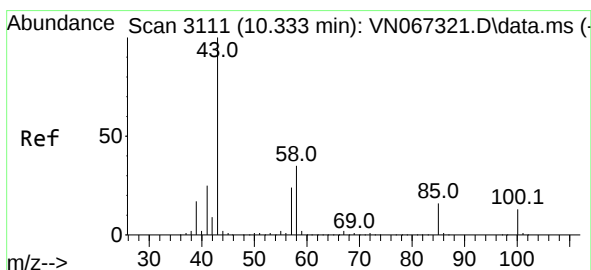
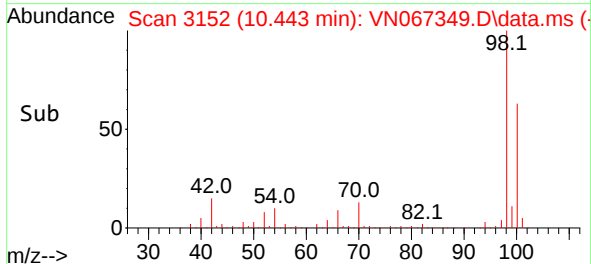
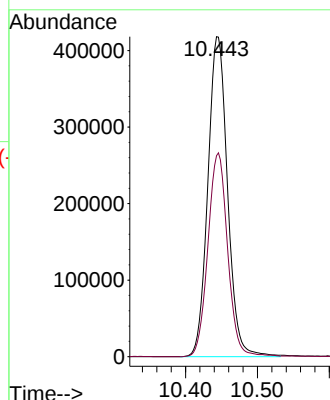
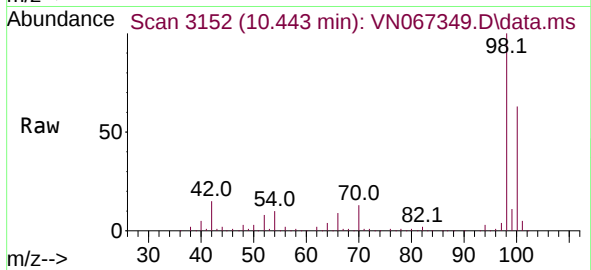




#50
Toluene-d8
Concen: 50.244 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

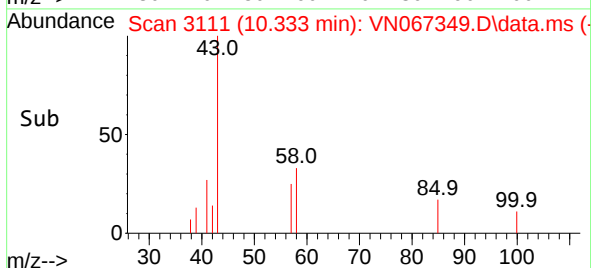
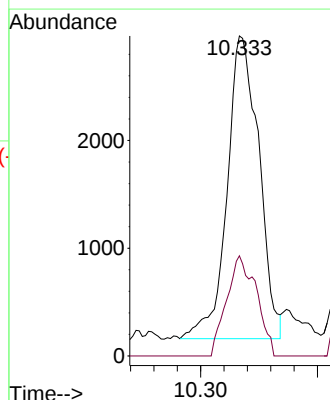
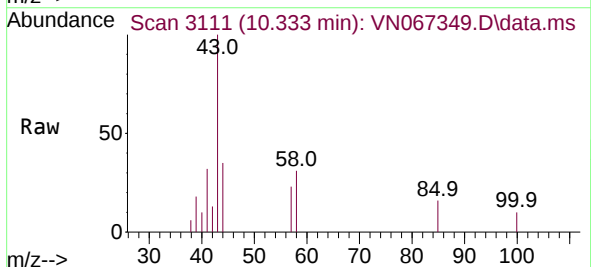
Instrument :
MSVOA_N
ClientSampled :

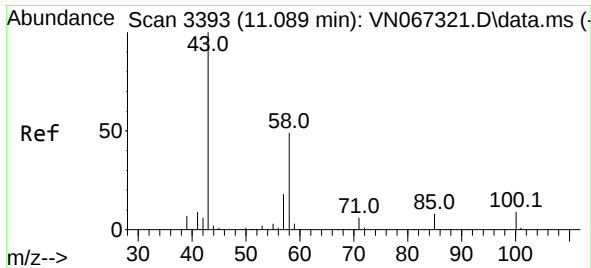
Tgt Ion: 98 Resp: 797224
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.696 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Tgt Ion: 43 Resp: 5318
Ion Ratio Lower Upper
43 100
58 31.0 28.6 43.0

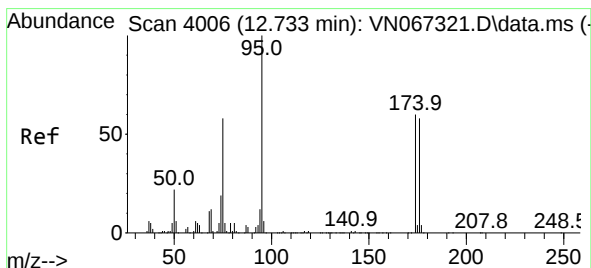
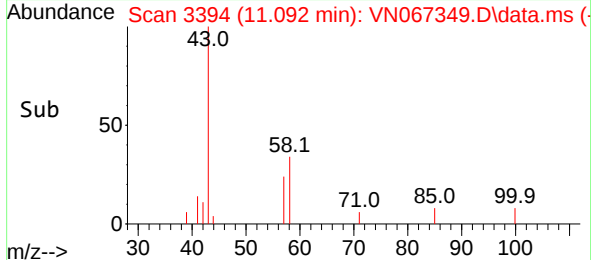
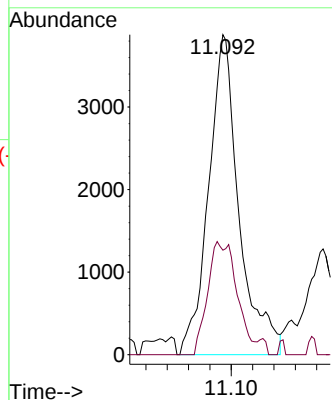
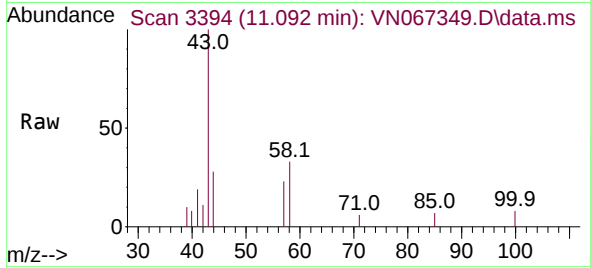




#59
2-Hexanone
Concen: 1.370 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

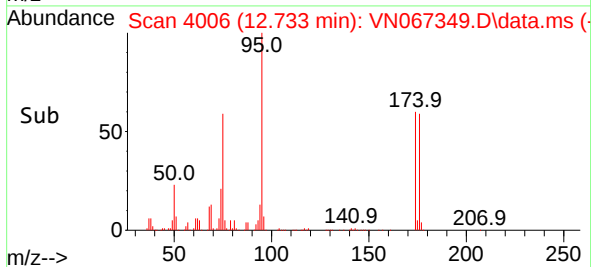
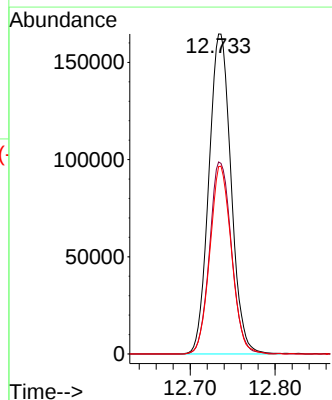
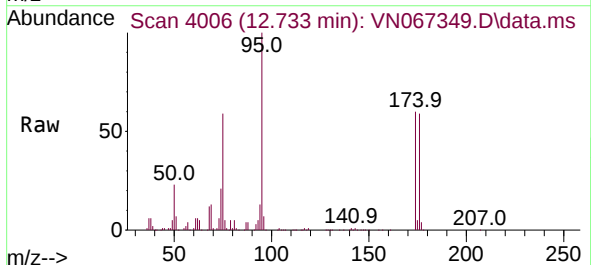
Instrument :
MSVOA_N
ClientSampled :

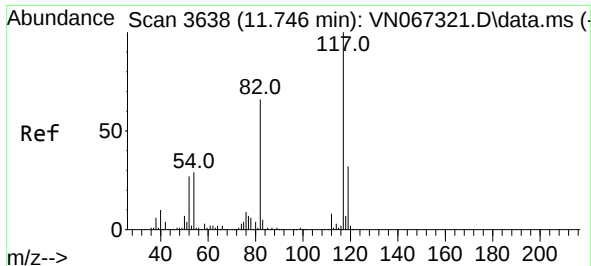
Tgt Ion: 43 Resp: 7667
Ion Ratio Lower Upper
43 100
58 34.2 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 45.619 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

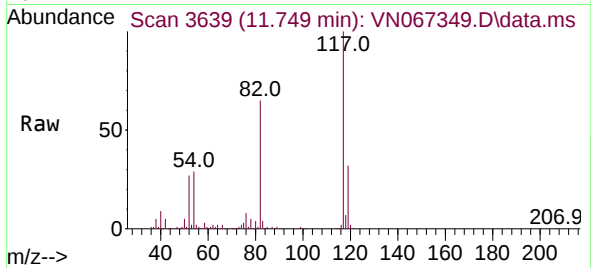
Tgt Ion: 95 Resp: 298714
Ion Ratio Lower Upper
95 100
174 59.5 0.0 122.0
176 57.1 0.0 117.6



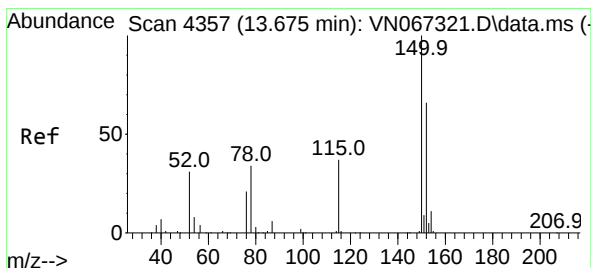
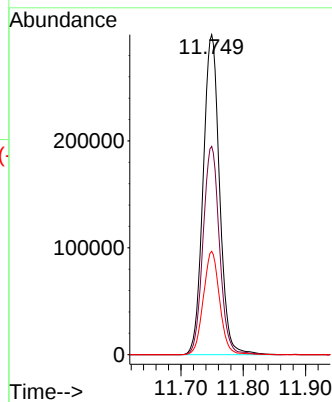
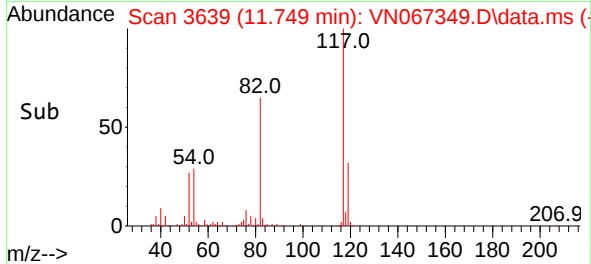


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

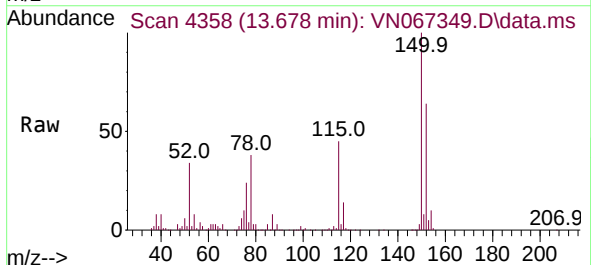
Instrument :
MSVOA_N
ClientSampleId :



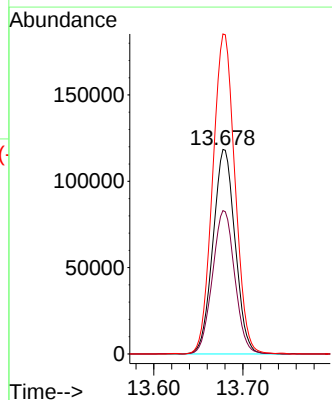
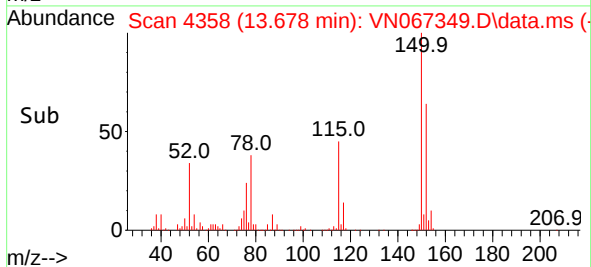
Tgt Ion:117 Resp: 547703
Ion Ratio Lower Upper
117 100
82 65.1 53.1 79.7
119 32.3 25.5 38.3

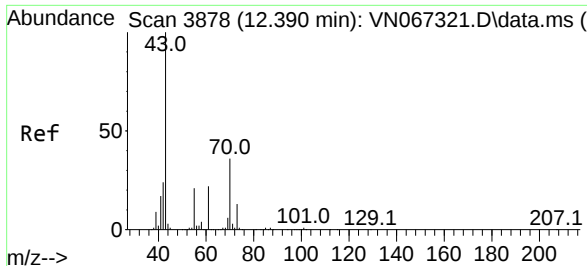


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24



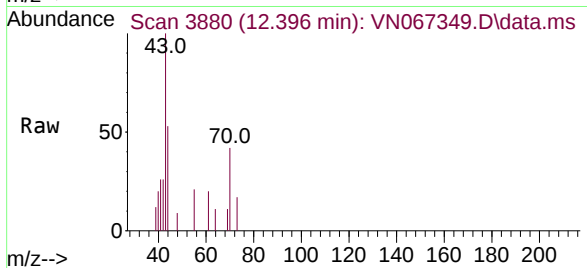
Tgt Ion:152 Resp: 204772
Ion Ratio Lower Upper
152 100
115 70.4 36.1 108.5
150 157.5 0.0 351.8



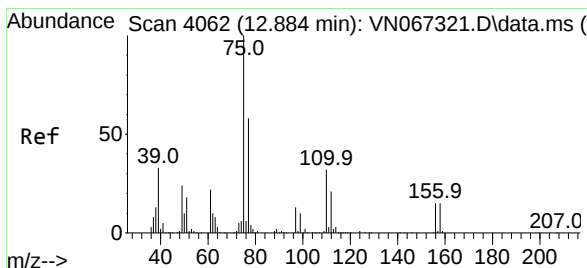
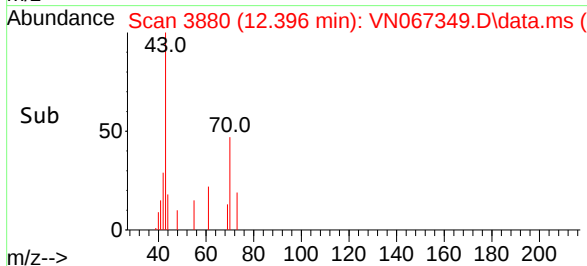
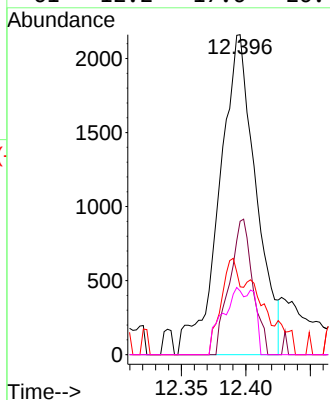


#74
N-amy1 acetate
Concen: 0.441 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Instrument :
MSVOA_N
ClientSampleId :

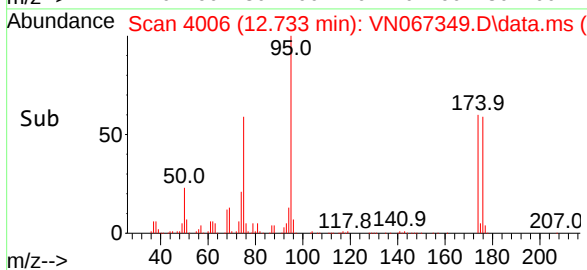
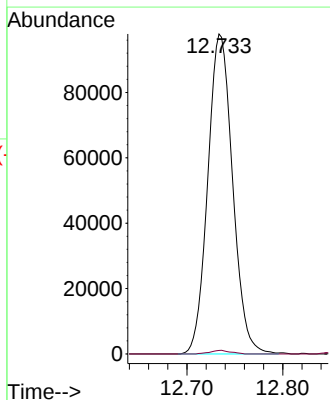
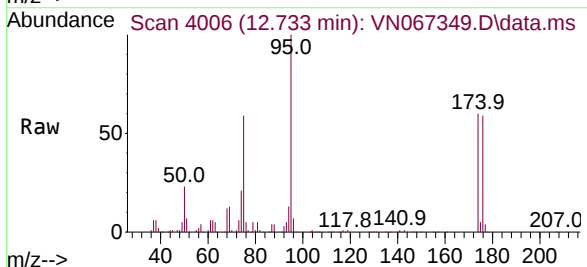


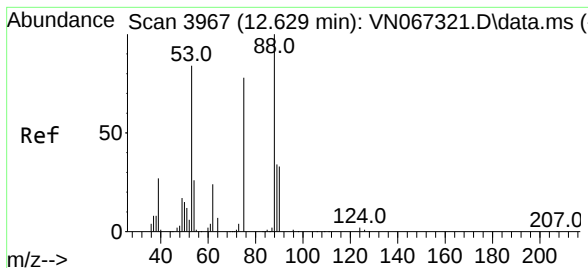
Tgt Ion:	43	Resp:	4234
Ion	Ratio	Lower	Upper
43	100		
70	26.9	29.4	44.2#
55	16.7	17.0	25.4#
61	12.2	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 33.086 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

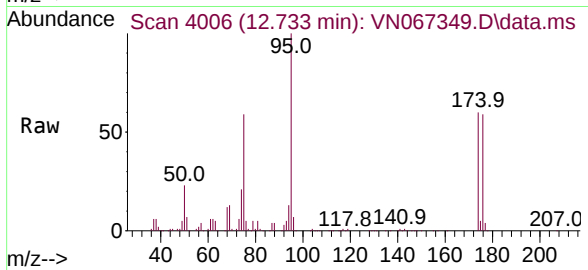
Tgt Ion:	75	Resp:	175937
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#



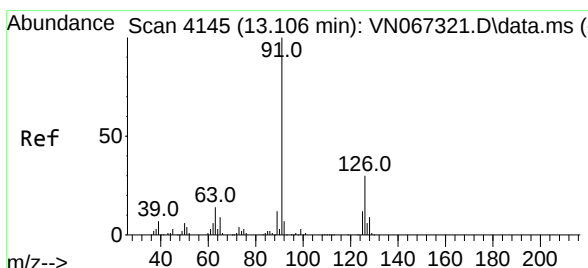
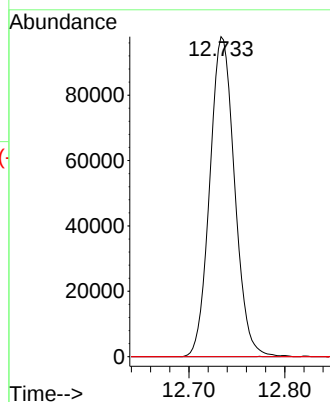
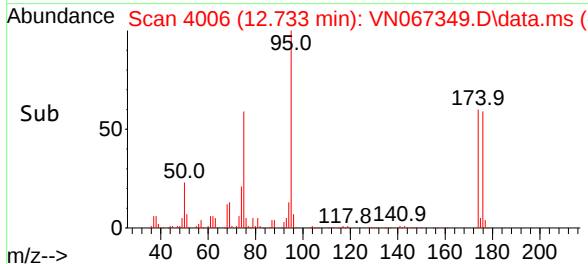


#81
trans-1,4-Dichloro-2-butene
Concen: 81.997 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

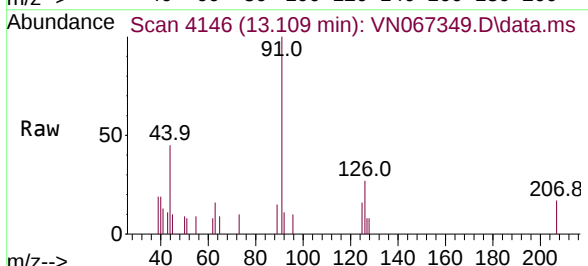
Instrument :
MSVOA_N
ClientSampleId :



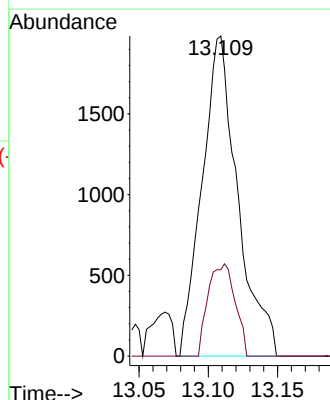
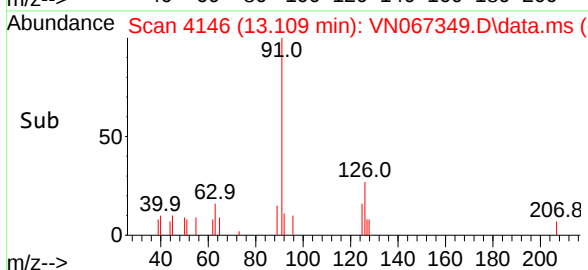
Tgt Ion: 75 Resp: 175937
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

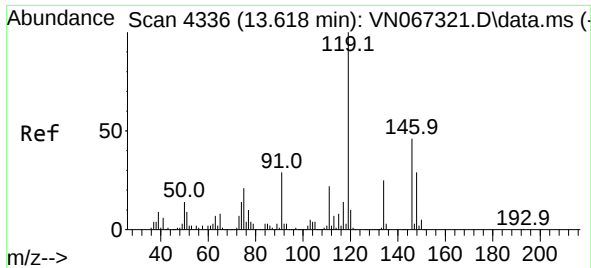


#82
4-Chlorotoluene
Concen: 0.244 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24



Tgt Ion: 91 Resp: 3542
Ion Ratio Lower Upper
91 100
126 21.8 14.8 44.4

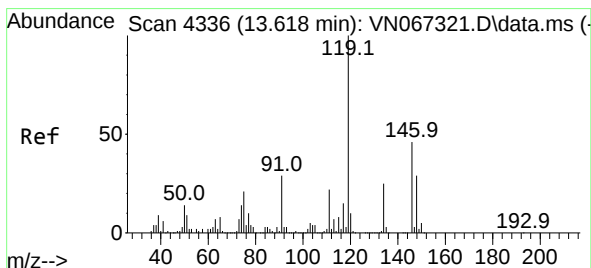
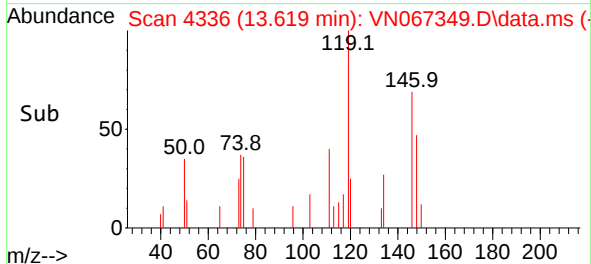
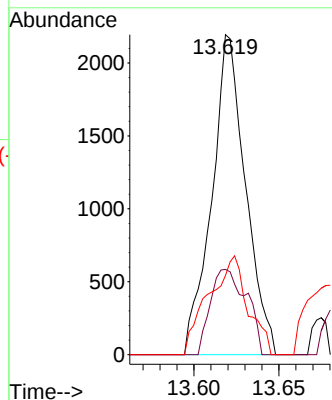
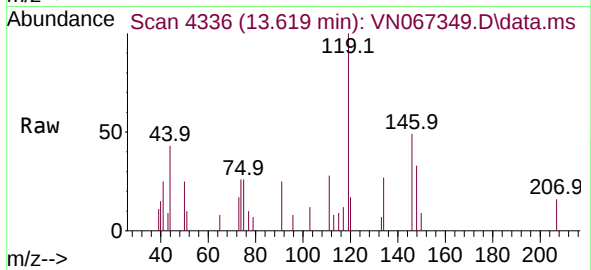




#86
p-Isopropyltoluene
Concen: 0.201 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.001 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

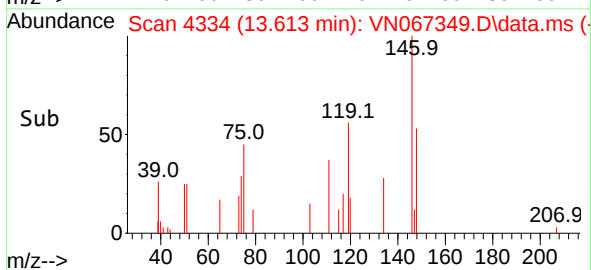
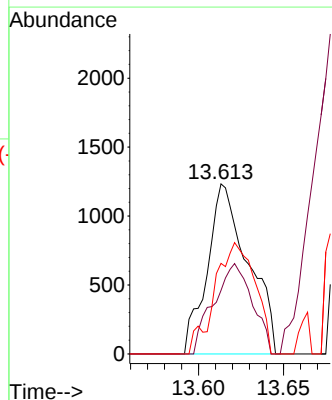
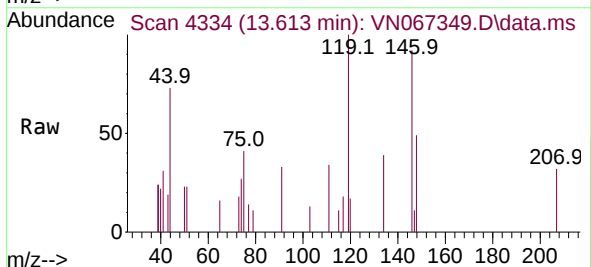
Instrument :
MSVOA_N
ClientSampled :

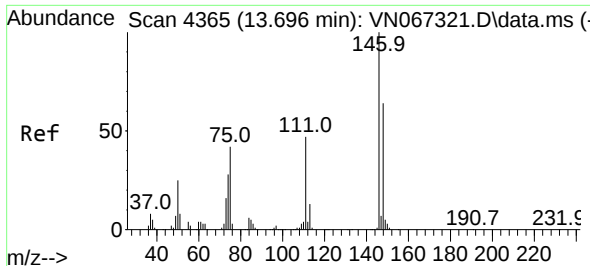
Tgt Ion:	119	Resp:	3026
Ion	Ratio	Lower	Upper
119	100		
134	28.5	12.4	37.4
91	35.8	14.8	44.3



#87
1,3-Dichlorobenzene
Concen: 0.286 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.005 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Tgt Ion:	146	Resp:	2063
Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.3	72.8
148	64.5	32.0	96.0

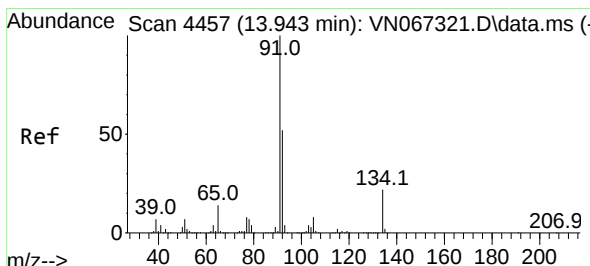
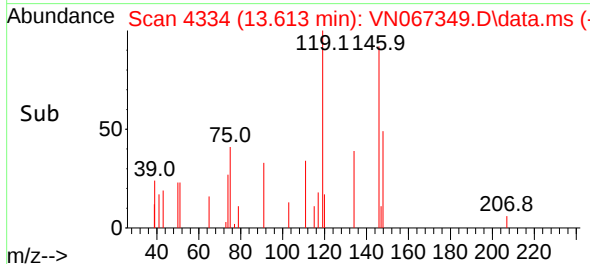
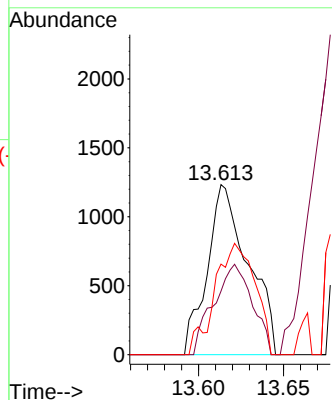
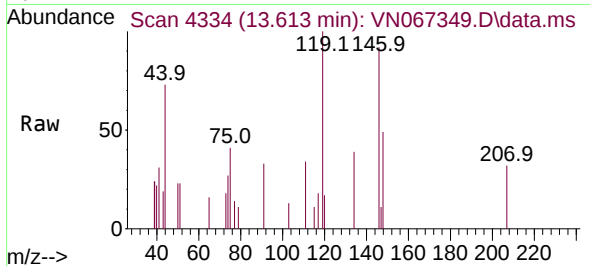




#88
1,4-Dichlorobenzene
Concen: 0.284 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.083 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

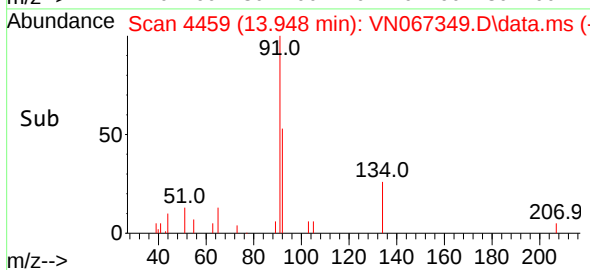
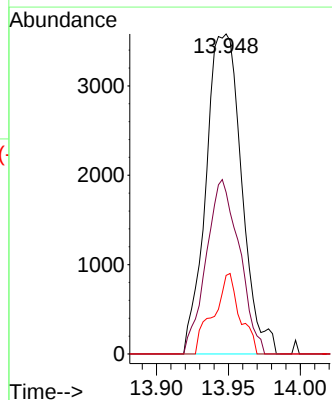
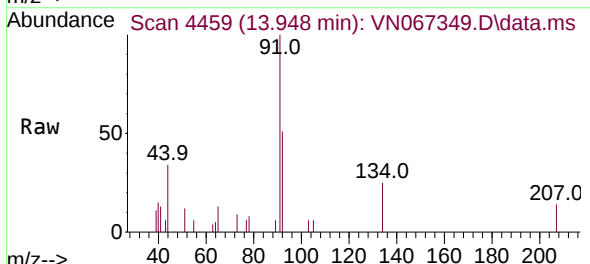
Instrument :
MSVOA_N
ClientSampleId :

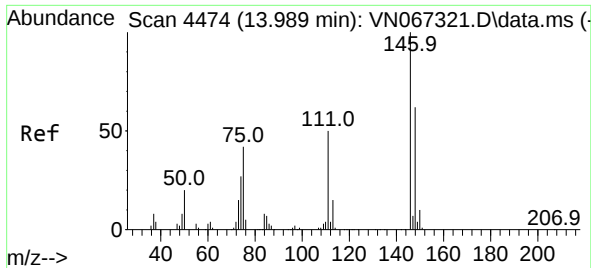
Tgt Ion:	146	Resp:	2063
Ion	Ratio	Lower	Upper
146	100		
111	50.3	23.4	70.2
148	64.5	31.8	95.3



#89
n-Butylbenzene
Concen: 0.437 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.005 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Tgt Ion:	91	Resp:	6187
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.1
134	18.6	11.2	33.6

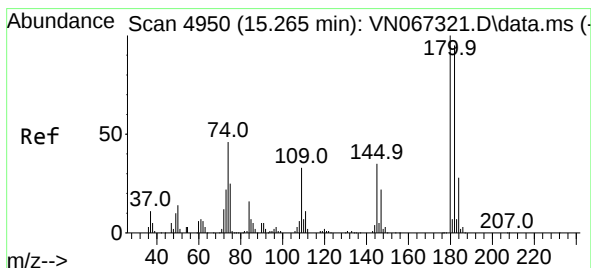
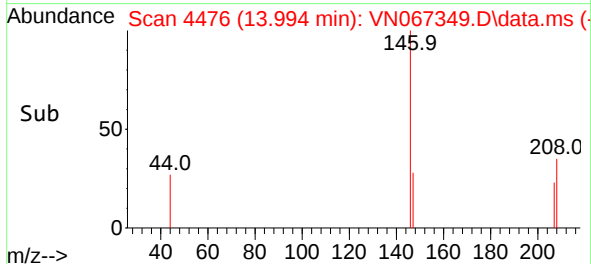
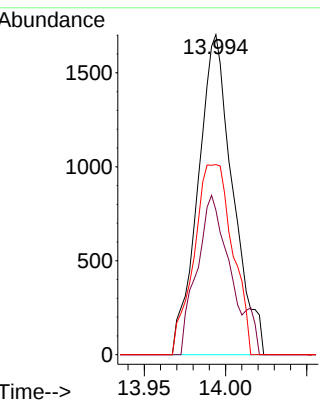
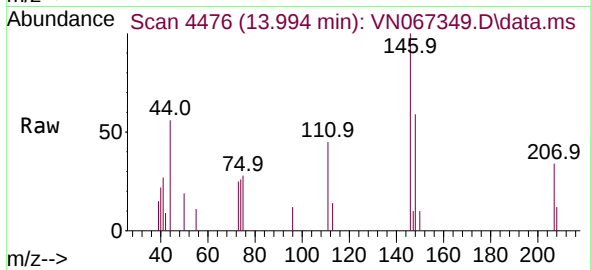




#91
1,2-Dichlorobenzene
Concen: 0.370 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.005 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

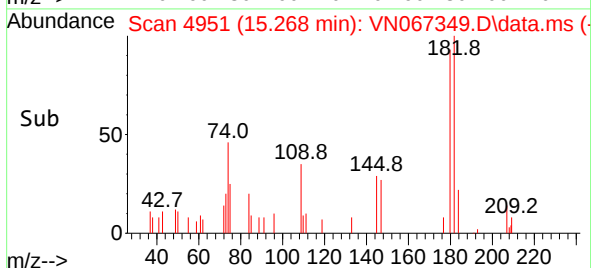
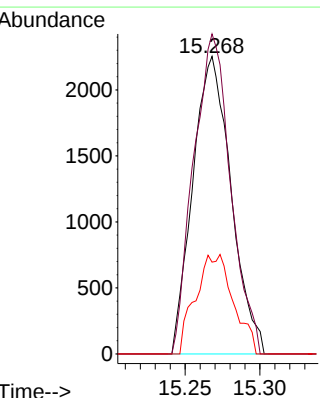
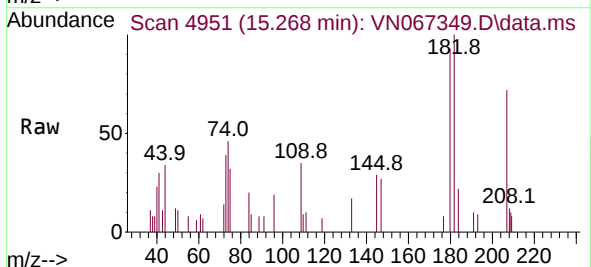
Instrument :
MSVOA_N
ClientSampleId :

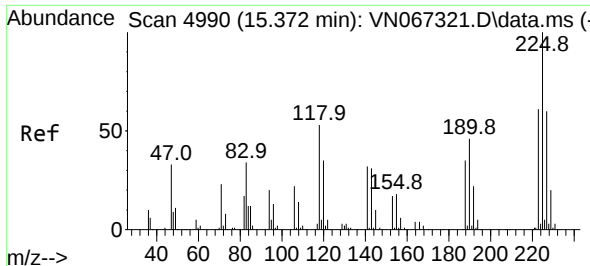
Tgt Ion:146 Resp: 2532
Ion Ratio Lower Upper
146 100
111 48.9 24.9 74.6
148 65.9 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 1.122 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

Tgt Ion:180 Resp: 4013
Ion Ratio Lower Upper
180 100
182 103.9 47.5 142.5
145 32.9 17.2 51.6

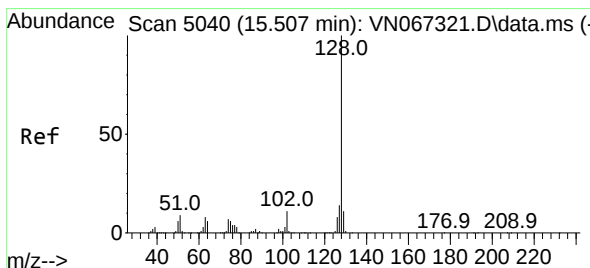
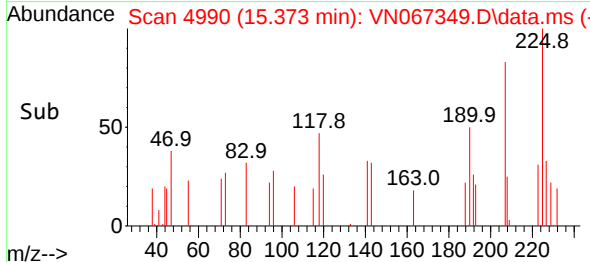
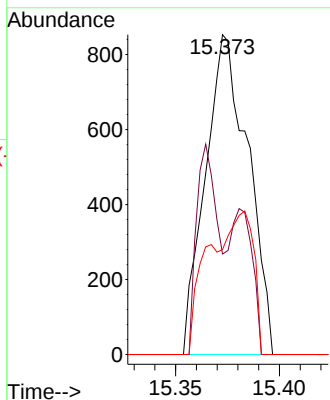
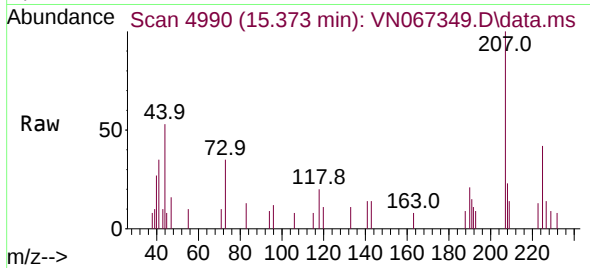




#94
Hexachlorobutadiene
Concen: 0.594 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. 0.001 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

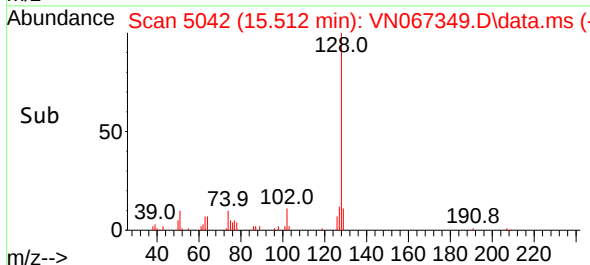
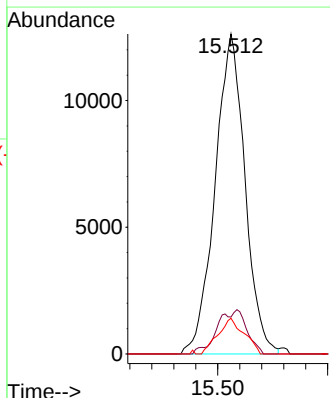
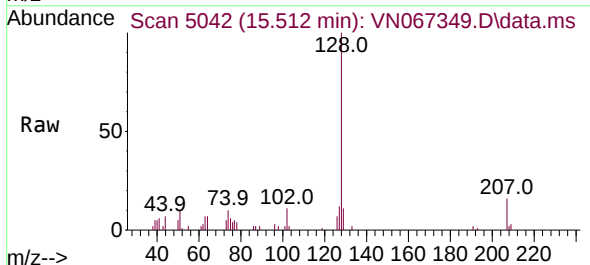
Instrument :
MSVOA_N
ClientSampled :

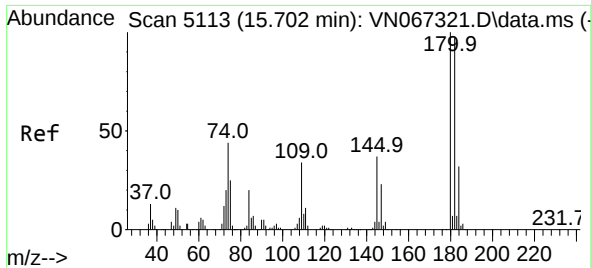
Tgt Ion:225 Resp: 1219
Ion Ratio Lower Upper
225 100
223 21.3 31.4 94.0#
227 26.4 31.2 93.6#



#95
Naphthalene
Concen: 4.424 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN067349.D
Acq: 15 Jun 2021 16:24

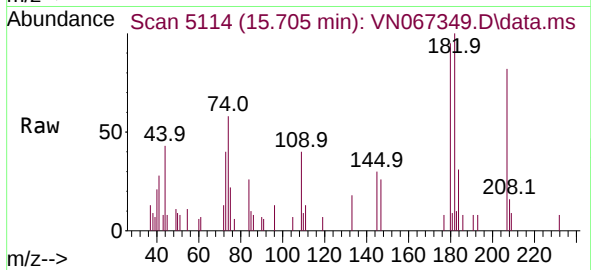
Tgt Ion:128 Resp: 23840
Ion Ratio Lower Upper
128 100
127 7.1 10.6 15.8#
129 9.7 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.429 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067349.D
 Acq: 15 Jun 2021 16:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	4907
Ion	Ratio	Lower	Upper
180	100		
182	103.5	47.8	143.3
145	32.5	18.2	54.6

