

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
 Data File : VN070314.D
 Acq On : 27 Dec 2021 16:05
 Operator : JC/MD
 Sample : VN1227MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 28 01:40:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

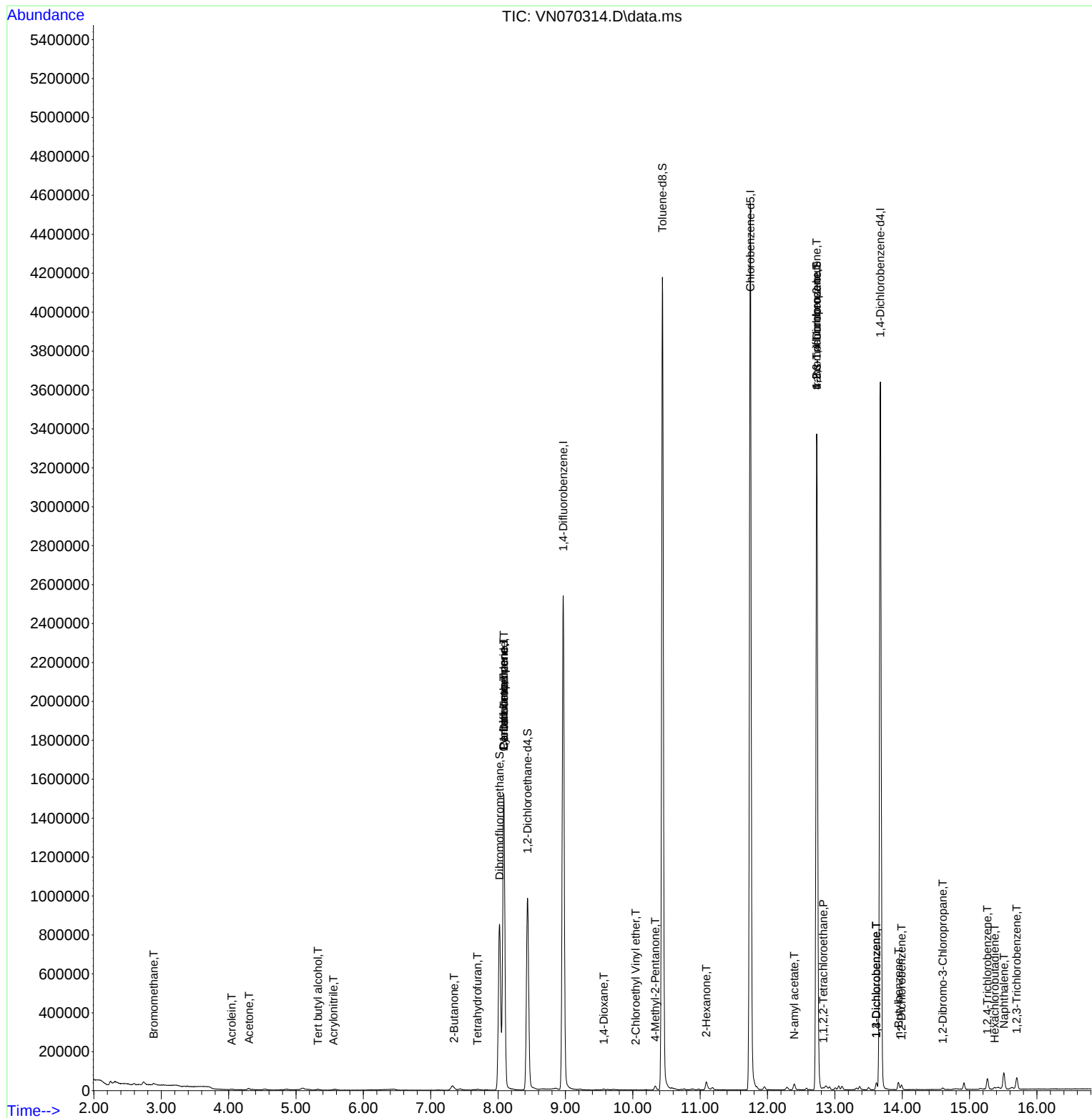
Internal Standards						
1) Pentafluorobenzene	8.086	168	1155454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2196919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2584621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	988956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	874989	52.668	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.340%			
35) Dibromofluoromethane	8.021	113	643152	48.385	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.760%			
50) Toluene-d8	10.440	98	2905784	53.512	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.020%			
62) 4-Bromofluorobenzene	12.731	95	1228731	62.651	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 125.300%			
Target Compounds						Qvalue
5) Bromomethane	2.888	94	6524	0.779	ug/l	88
11) Tert butyl alcohol	5.328	59	3574	1.292	ug/l #	71
13) Acrolein	4.044	56	2513	1.120	ug/l #	38
15) Acrylonitrile	5.556	53	2823	0.327	ug/l #	83
16) Acetone	4.301	43	10810	1.002	ug/l #	87
25) 2-Butanone	7.348	43	9546	0.703	ug/l #	79
29) Tetrahydrofuran	7.694	42	2066	0.255	ug/l #	71
31) Cyclohexane	8.083	56	27039	1.031	ug/l #	15
36) 1,1-Dichloropropene	8.083	75	94839	4.313	ug/l #	42
38) Carbon Tetrachloride	8.086	117	114992	5.477	ug/l #	16
49) 1,4-Dioxane	9.571	88	822	2.620	ug/l #	43
51) 4-Methyl-2-Pentanone	10.333	43	18575	0.658	ug/l	92
58) 2-Chloroethyl Vinyl ether	10.043	63	246	18.546	ug/l #	45
59) 2-Hexanone	11.092	43	39404	1.914	ug/l	89
74) N-amyl acetate	12.398	43	20982	0.543	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	3424	0.549	ug/l #	95
76) 1,2,3-Trichloropropane	12.731	75	658950	24.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	658950	81.408	ug/l #	5
87) 1,3-Dichlorobenzene	13.616	146	9211	0.261	ug/l	91
88) 1,4-Dichlorobenzene	13.616	146	9211	0.265	ug/l	90
89) n-Butylbenzene	13.946	91	21917	0.380	ug/l	97
91) 1,2-Dichlorobenzene	13.989	146	10223	0.295	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.603	75	2252	0.423	ug/l	76
93) 1,2,4-Trichlorobenzene	15.262	180	18990	1.165	ug/l	97
94) Hexachlorobutadiene	15.372	225	2385	0.252	ug/l	93
95) Naphthalene	15.509	128	81089	3.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	22711	2.258	ug/l	97

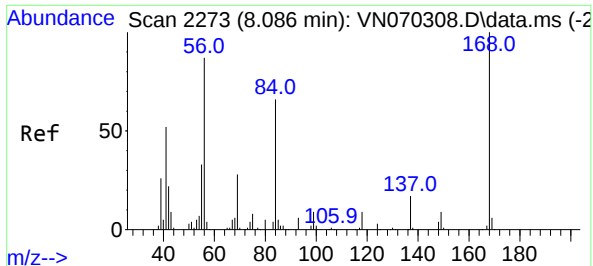
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
Data File : VN070314.D
Acq On : 27 Dec 2021 16:05
Operator : JC/MD
Sample : VN1227MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

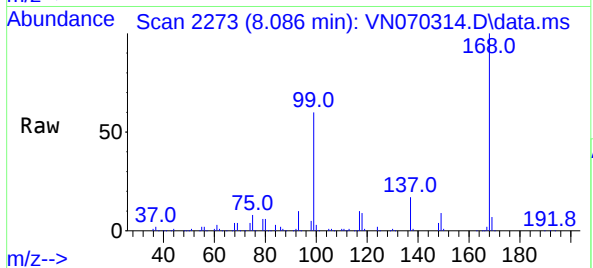
Quant Time: Dec 28 01:40:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
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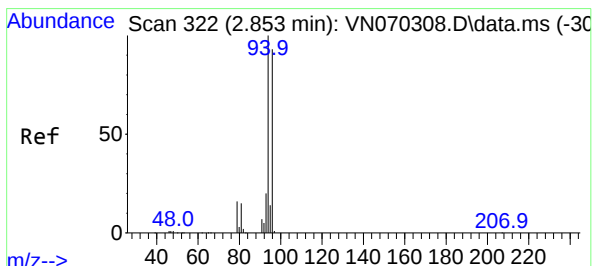
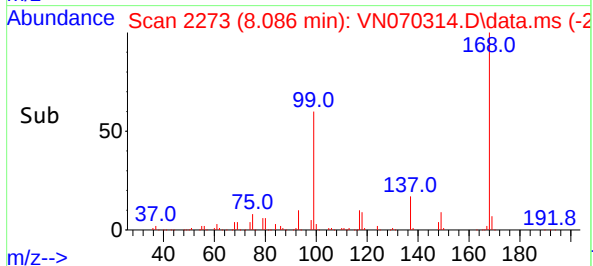
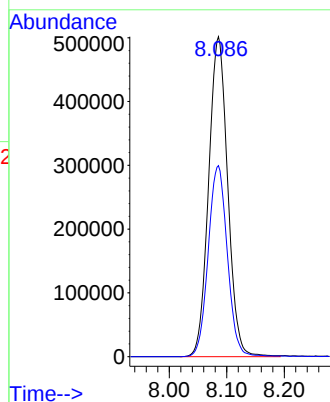


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :

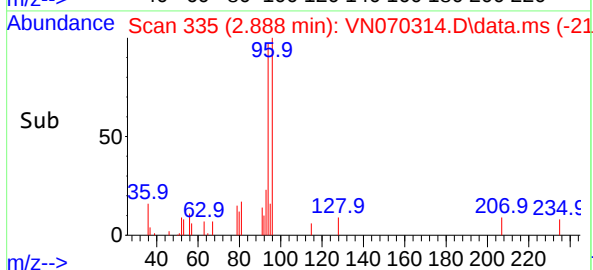
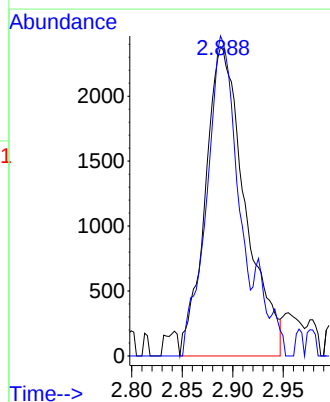
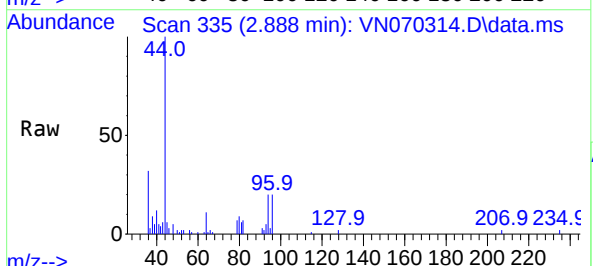


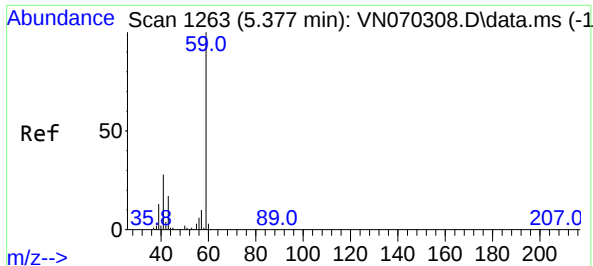
Tgt Ion:168 Resp: 1155454
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#5
Bromomethane
Concen: 0.779 ug/l
RT: 2.888 min Scan# 335
Delta R.T. 0.035 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

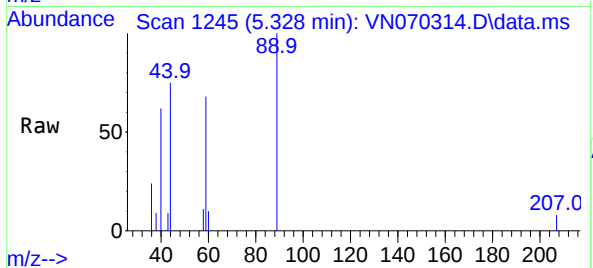
Tgt Ion: 94 Resp: 6524
Ion Ratio Lower Upper
94 100
96 103.6 73.8 110.8



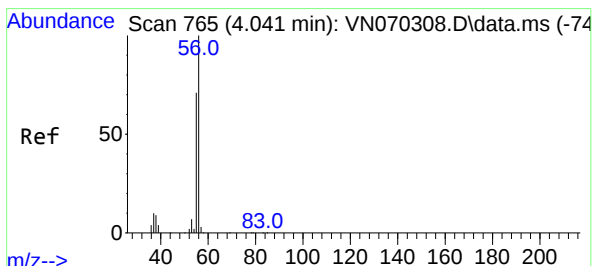
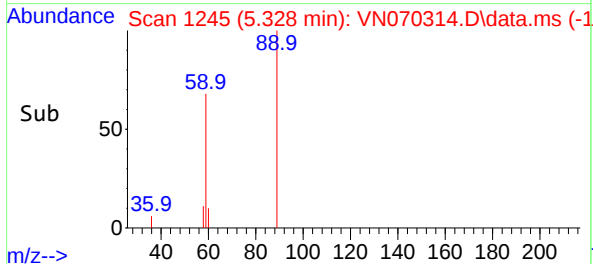
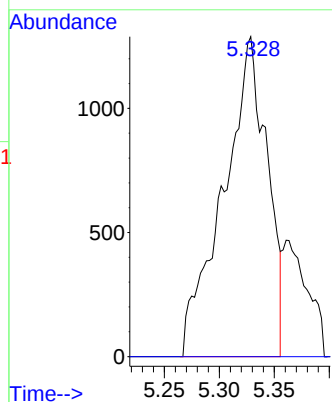


#11
Tert butyl alcohol
Concen: 1.292 ug/l
RT: 5.328 min Scan# 11
Delta R.T. -0.049 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :

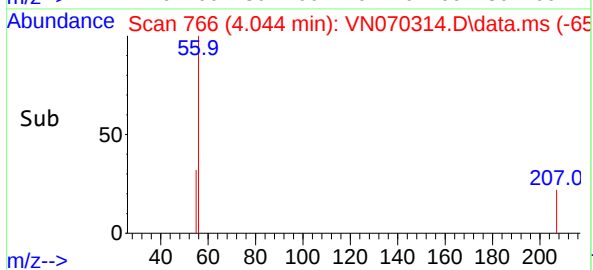
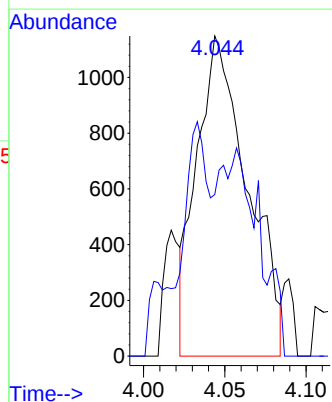
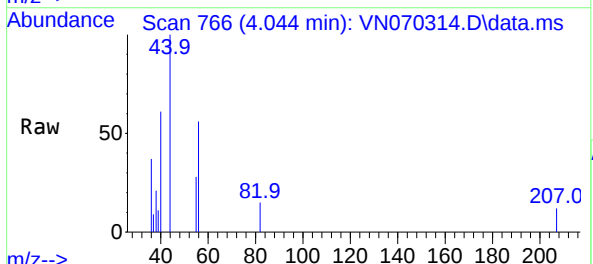


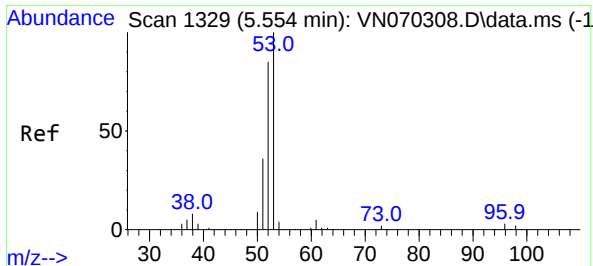
Tgt Ion: 59 Resp: 3574
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 1.120 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

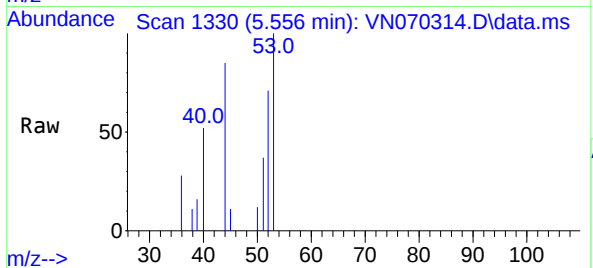
Tgt Ion: 56 Resp: 2513
Ion Ratio Lower Upper
56 100
55 19.6 56.6 85.0#



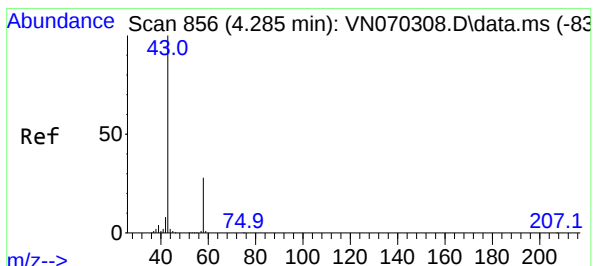
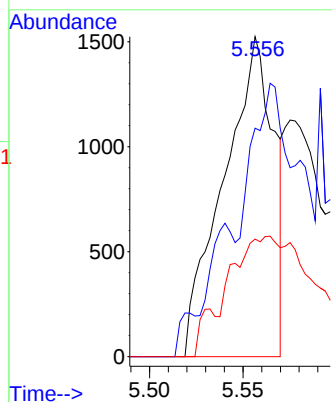
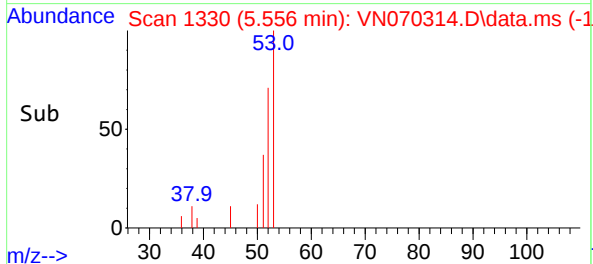


#15
Acrylonitrile
Concen: 0.327 ug/l
RT: 5.556 min Scan# 11
Delta R.T. 0.002 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :

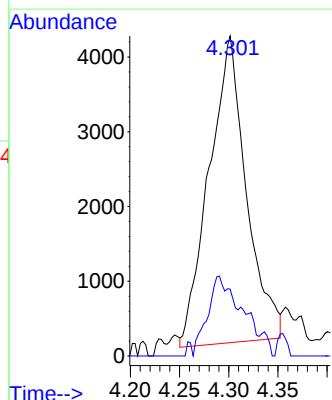
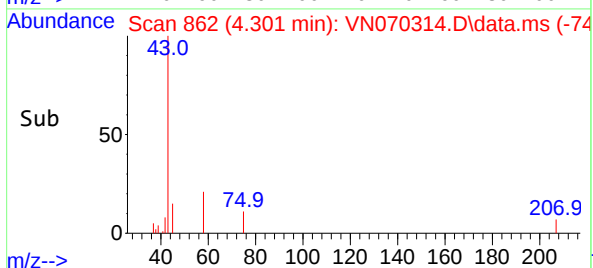
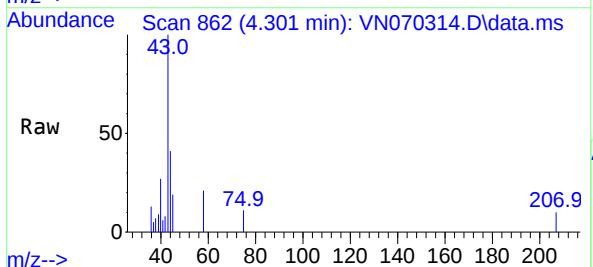


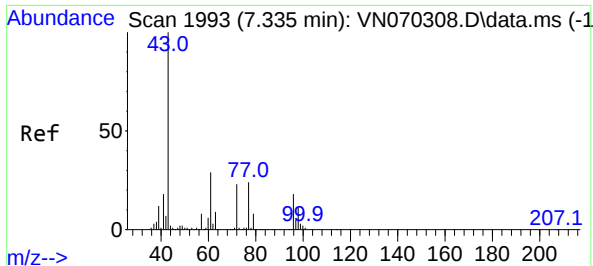
Tgt Ion: 53 Resp: 2823
Ion Ratio Lower Upper
53 100
52 77.9 66.2 99.2
51 62.2 29.6 44.4#



#16
Acetone
Concen: 1.002 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion: 43 Resp: 10810
Ion Ratio Lower Upper
43 100
58 22.2 23.1 34.7#

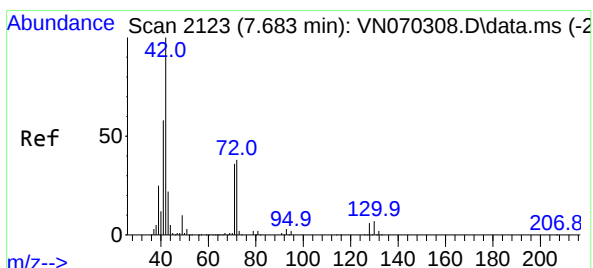
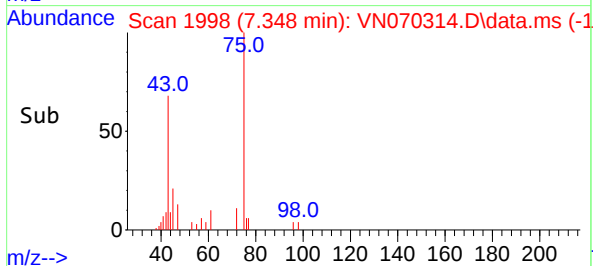
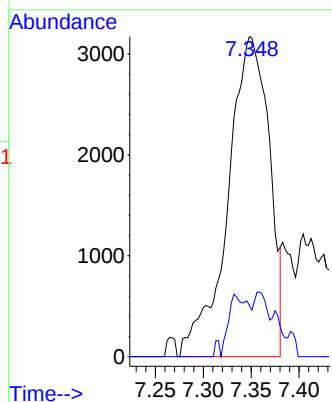
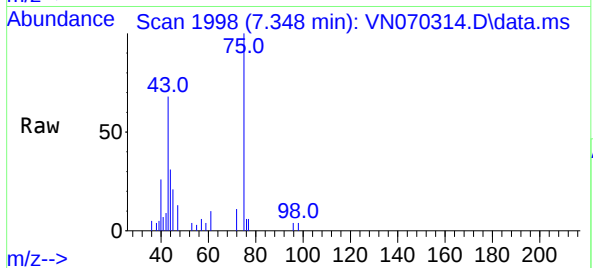




#25
2-Butanone
Concen: 0.703 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

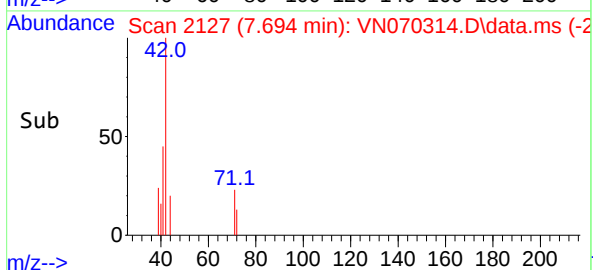
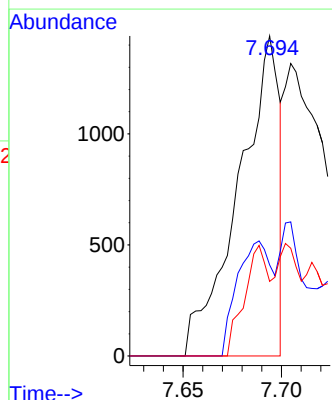
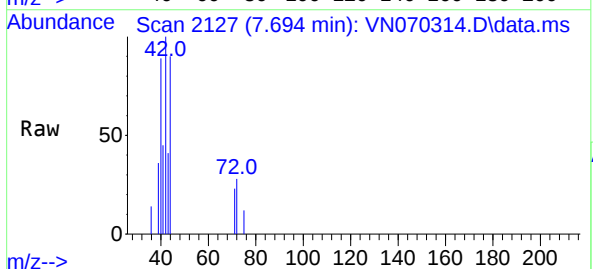
Instrument :
MSVOA_N
ClientSampleId :

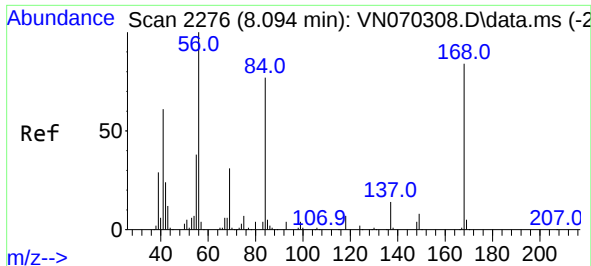
Tgt Ion: 43 Resp: 9546
Ion Ratio Lower Upper
43 100
72 16.1 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.255 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

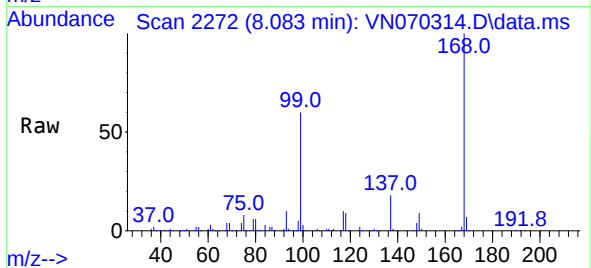
Tgt Ion: 42 Resp: 2066
Ion Ratio Lower Upper
42 100
72 30.7 36.3 54.5#
71 20.4 34.7 52.1#



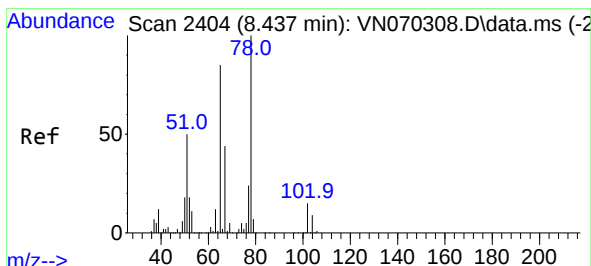
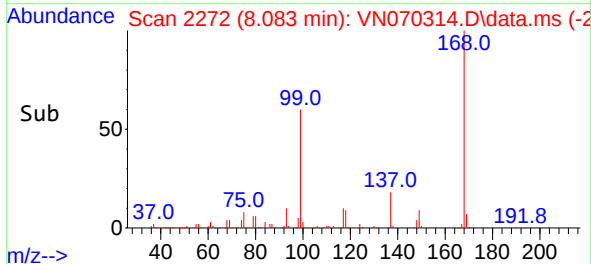
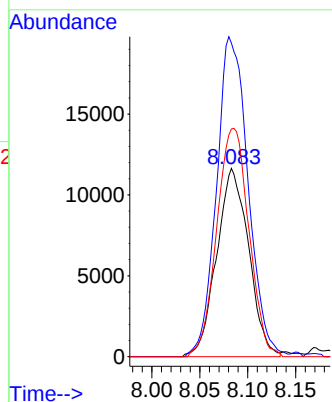


#31
Cyclohexane
Concen: 1.031 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :

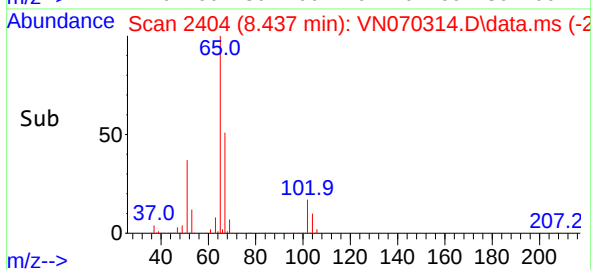
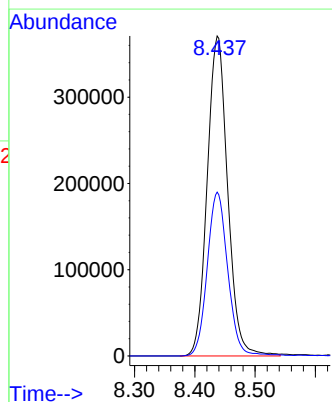
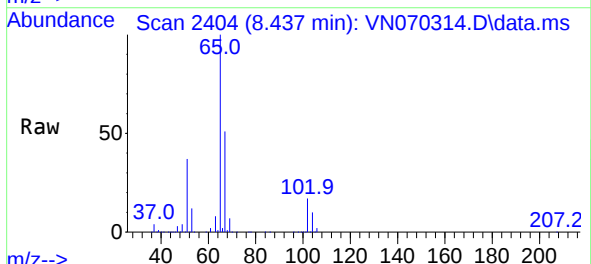


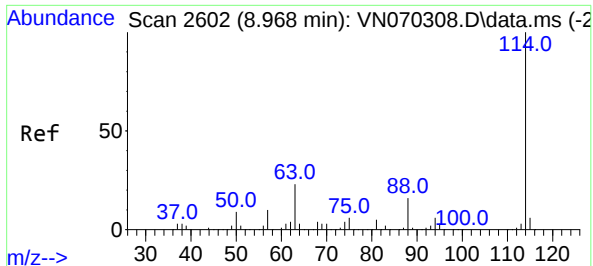
Tgt Ion: 56 Resp: 27039
Ion Ratio Lower Upper
56 100
69 166.6 27.1 40.7#
84 120.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.668 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion: 65 Resp: 874989
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0

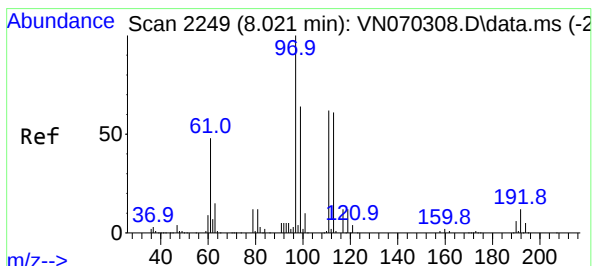
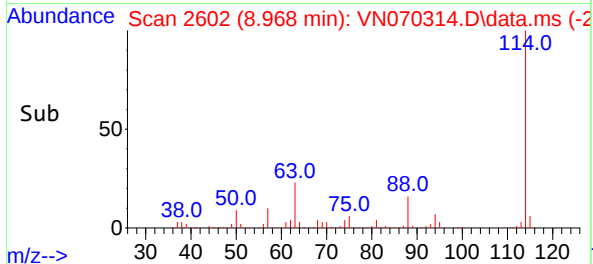
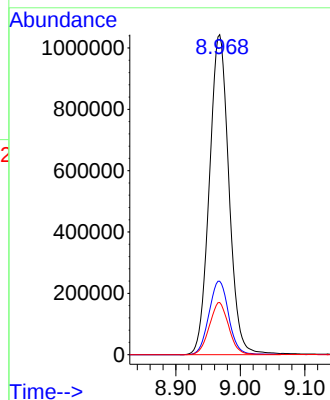
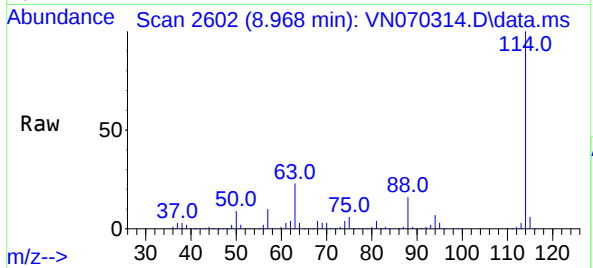




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

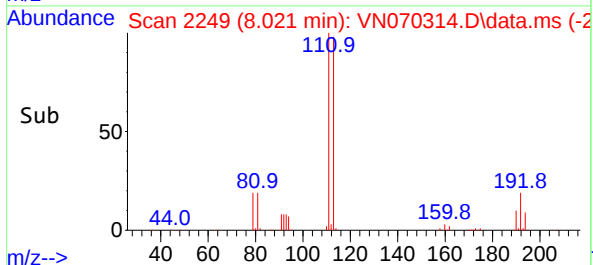
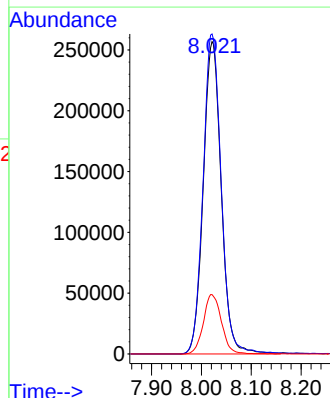
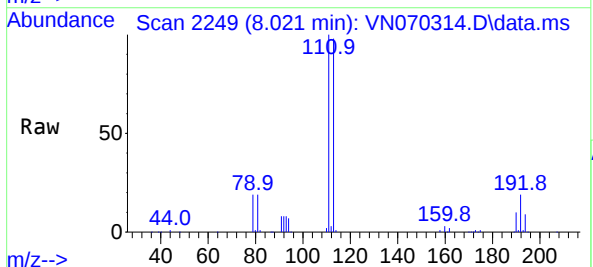
Instrument :
MSVOA_N
ClientSampleId :

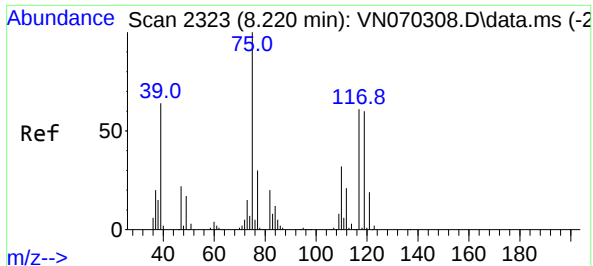
Tgt Ion:114 Resp: 2196919
Ion Ratio Lower Upper
114 100
63 23.0 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.385 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion:113 Resp: 643152
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 19.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.313 ug/l

RT: 8.083 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN070314.D

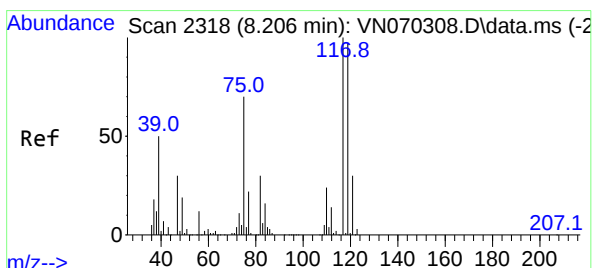
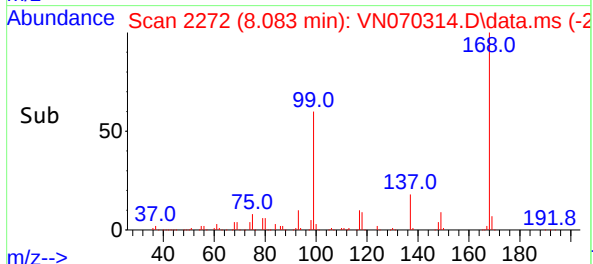
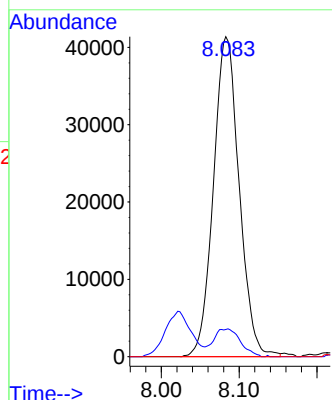
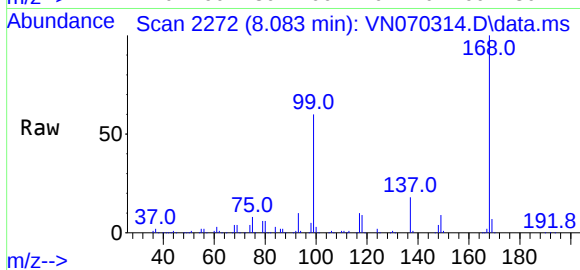
Acq: 27 Dec 2021 16:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	94839
Ion	Ratio	Lower	Upper
75	100		
110	1.8	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.477 ug/l

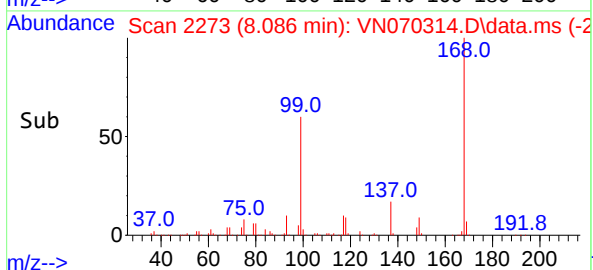
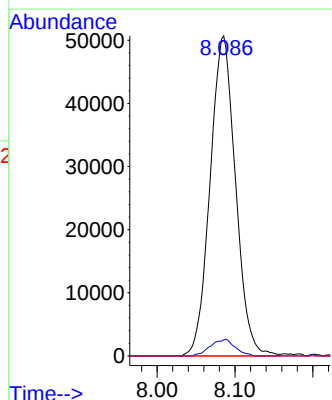
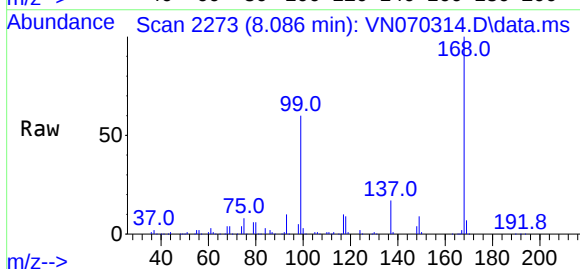
RT: 8.086 min Scan# 2273

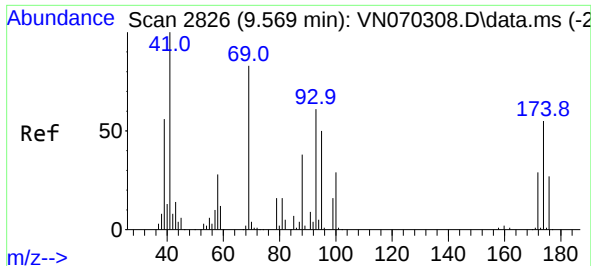
Delta R.T. -0.120 min

Lab File: VN070314.D

Acq: 27 Dec 2021 16:05

Tgt Ion:	117	Resp:	114992
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.1	114.1#
121	0.0	24.2	36.2#

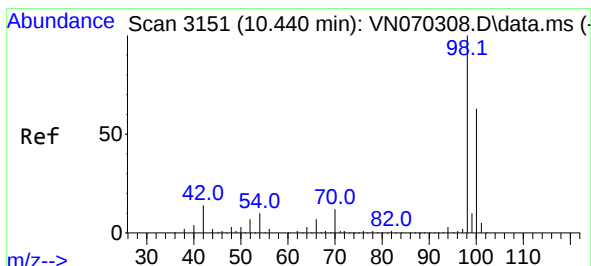
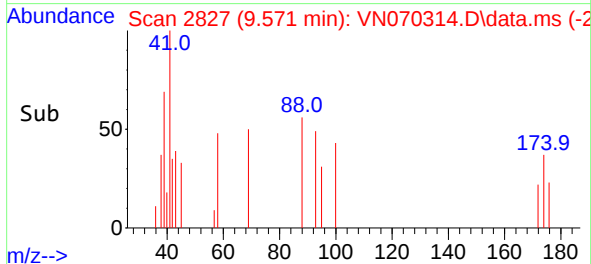
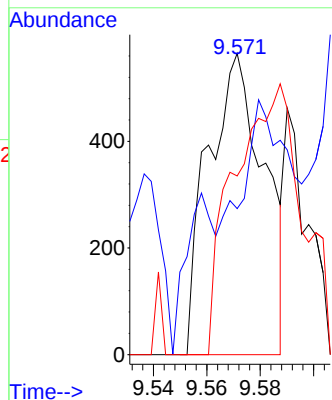
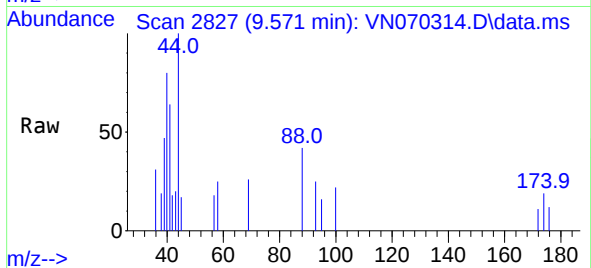




#49
1,4-Dioxane
Concen: 2.620 ug/l
RT: 9.571 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

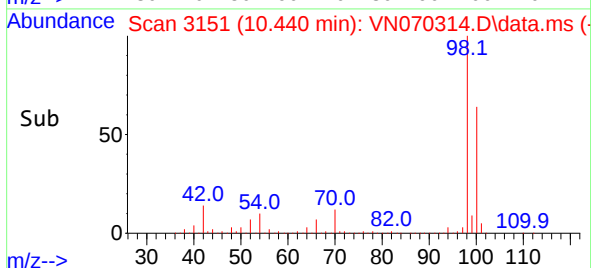
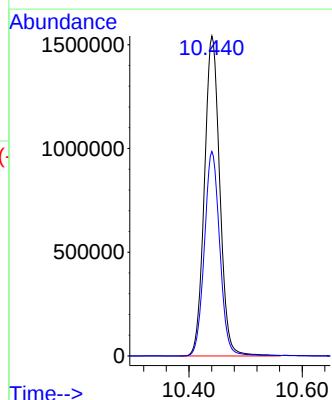
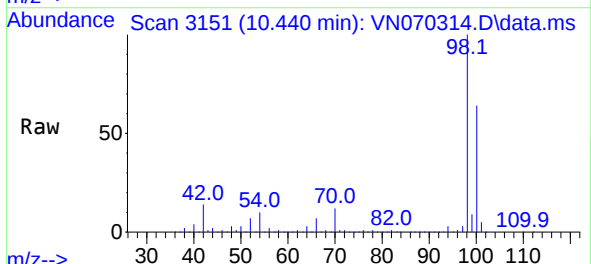
Instrument :
MSVOA_N
ClientSampleId :

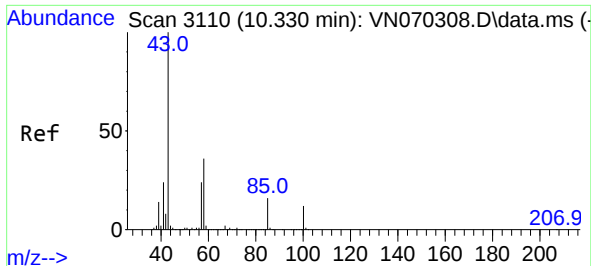
Tgt Ion: 88 Resp: 822
Ion Ratio Lower Upper
88 100
43 27.1 23.4 35.2
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 53.512 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

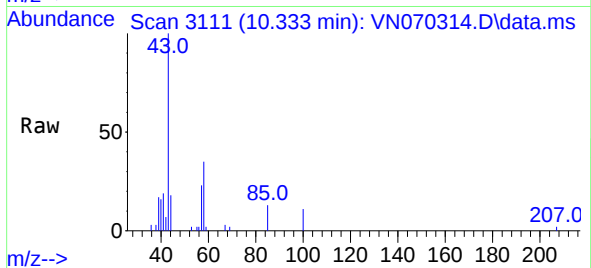
Tgt Ion: 98 Resp: 2905784
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



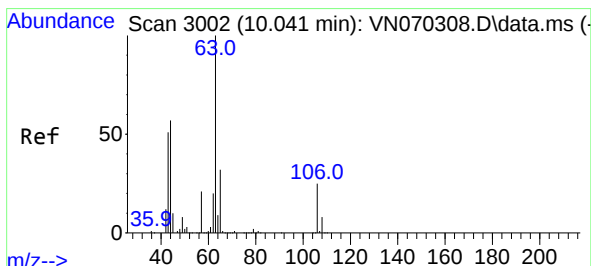
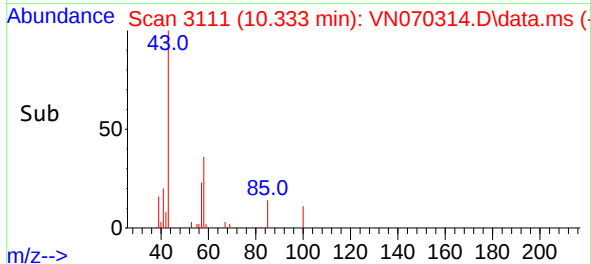
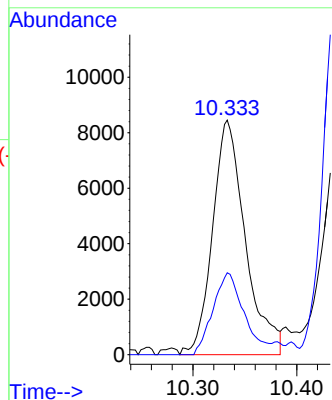


#51
4-Methyl-2-Pentanone
Concen: 0.658 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :

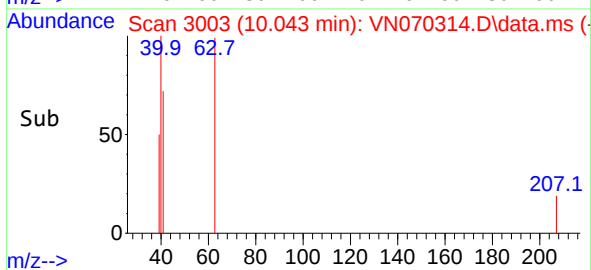
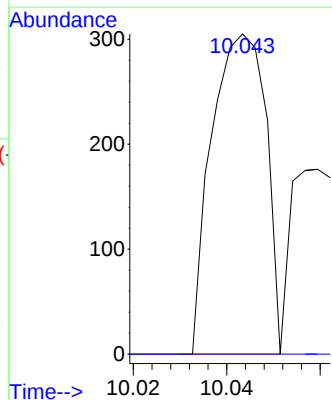
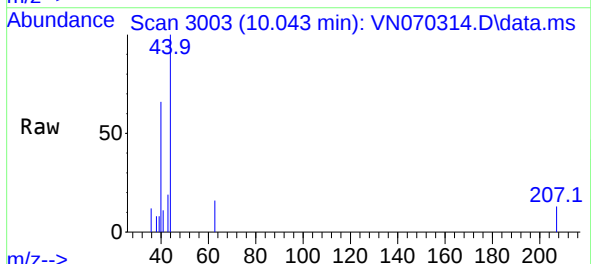


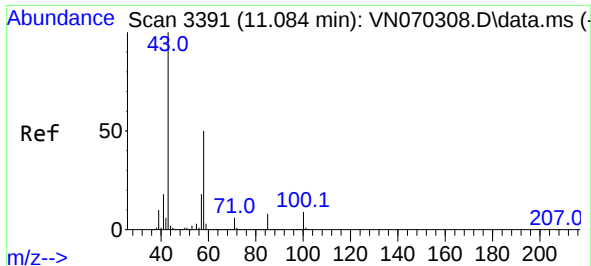
Tgt Ion: 43 Resp: 18575
Ion Ratio Lower Upper
43 100
58 32.9 30.4 45.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.546 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.002 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion: 63 Resp: 246
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

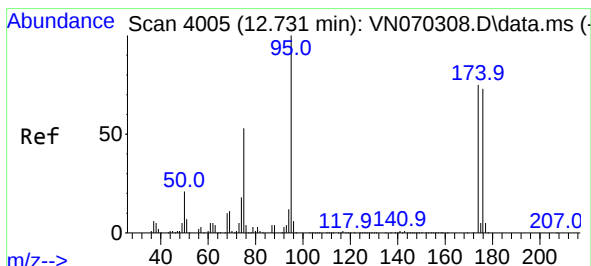
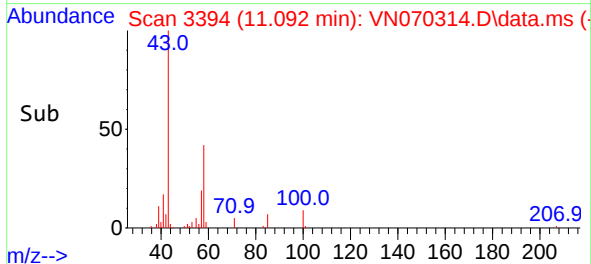
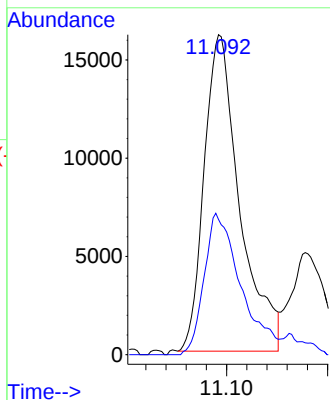
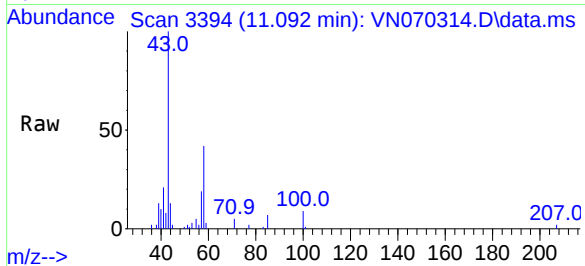




#59
2-Hexanone
Concen: 1.914 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

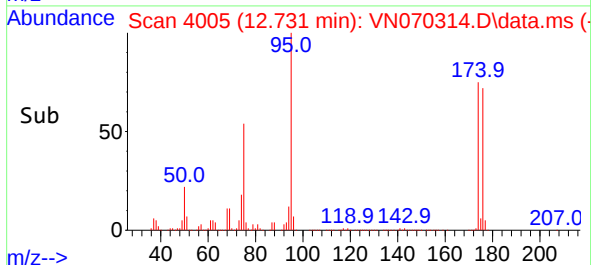
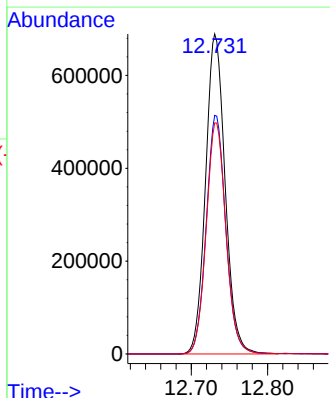
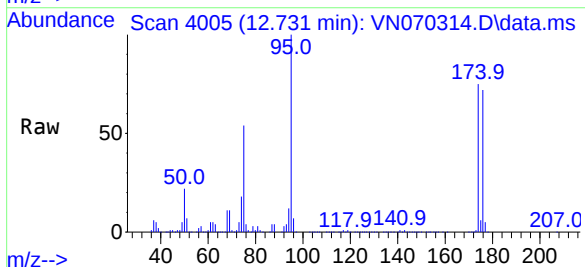
Instrument :
MSVOA_N
ClientSampleId :

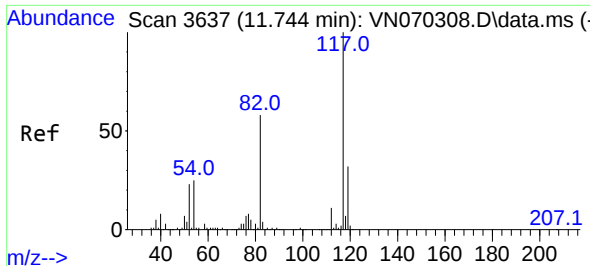
Tgt Ion: 43 Resp: 39404
Ion Ratio Lower Upper
43 100
58 46.0 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 62.651 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

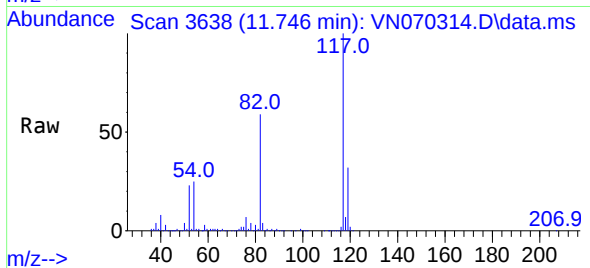
Tgt Ion: 95 Resp: 1228731
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 72.7 0.0 181.4





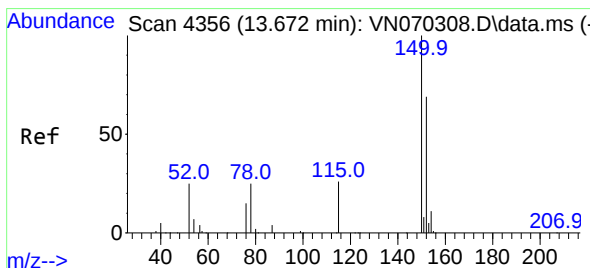
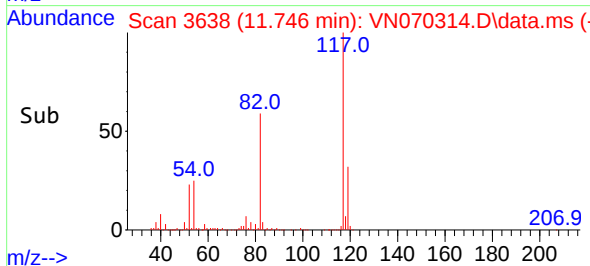
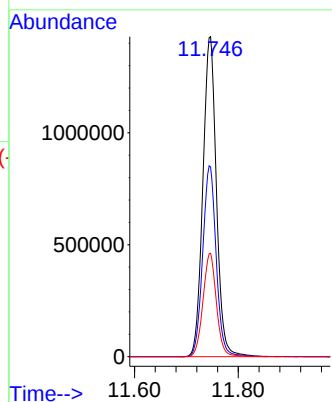
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.002 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2584621

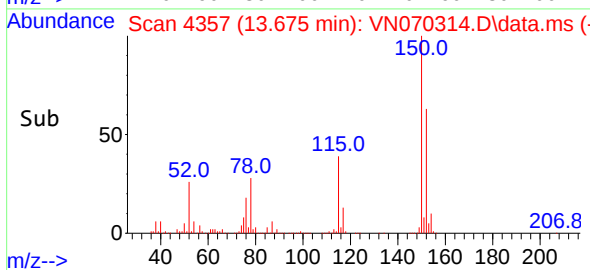
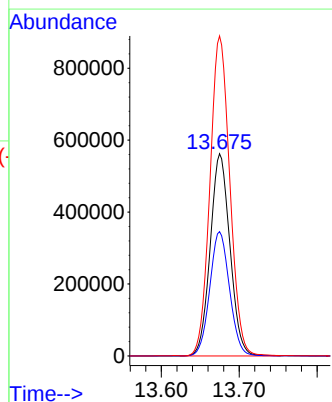
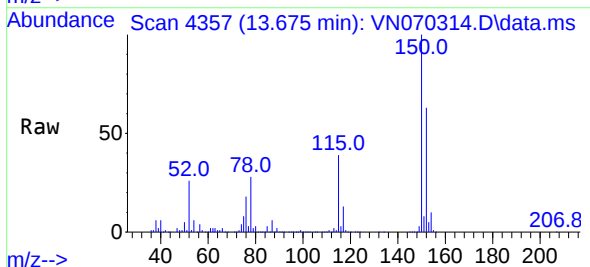
Ion	Ratio	Lower	Upper
117	100		
82	59.2	42.4	63.6
119	32.3	25.4	38.2

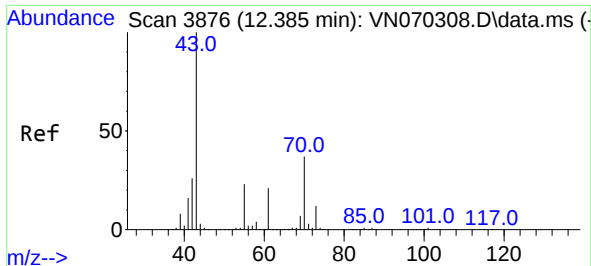


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion:152 Resp: 988956

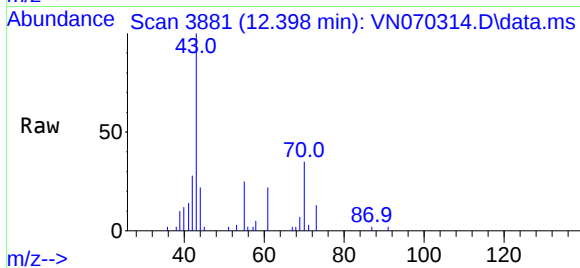
Ion	Ratio	Lower	Upper
152	100		
115	61.4	27.5	82.5
150	159.1	0.0	344.4



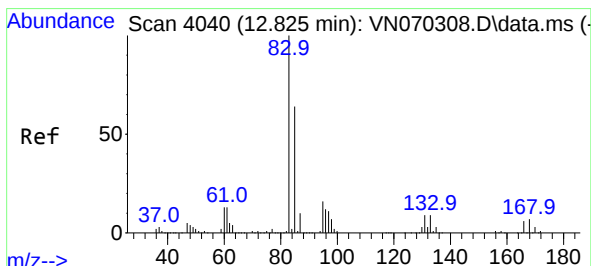
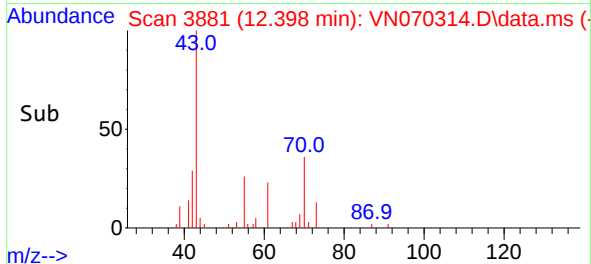
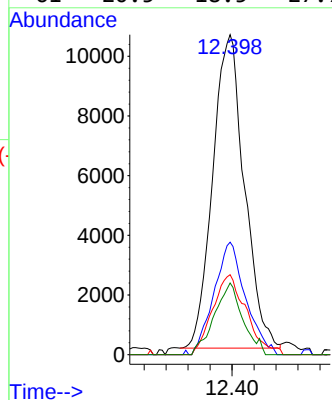


#74
N-amy1 acetate
Concen: 0.543 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.013 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :

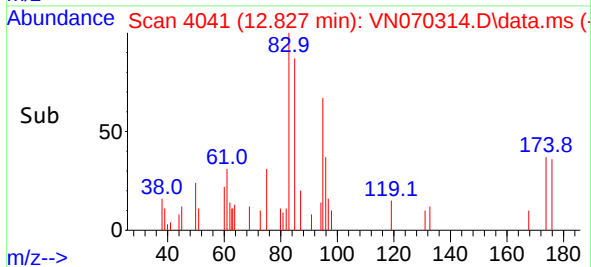
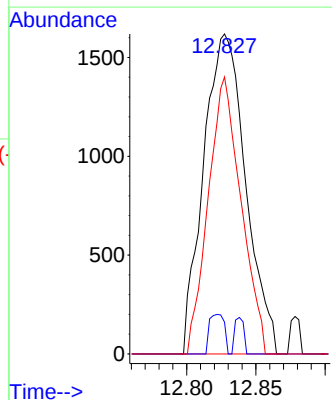
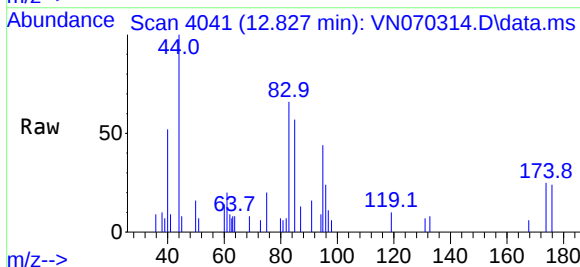


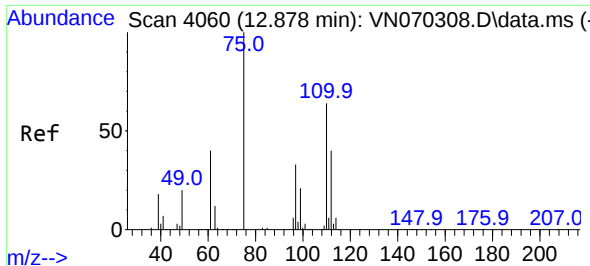
Tgt Ion: 43	Resp: 20982
Ion Ratio	Lower Upper
43 100	
70 35.9	33.4 50.0
55 27.2	19.3 28.9
61 20.5	18.5 27.7



#75
1,1,2,2-Tetrachloroethane
Concen: 0.549 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.002 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion: 83	Resp: 3424
Ion Ratio	Lower Upper
83 100	
131 4.4	5.5 16.5#
85 67.3	32.4 97.2

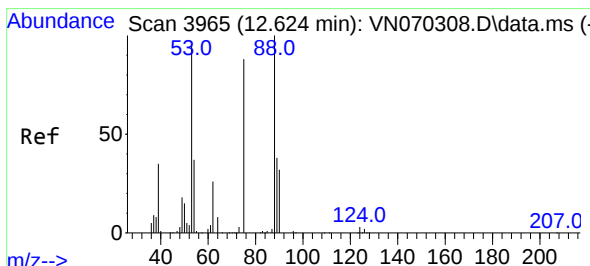
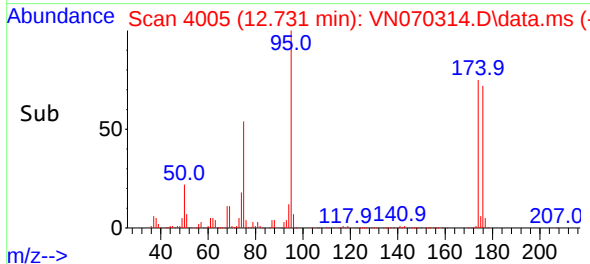
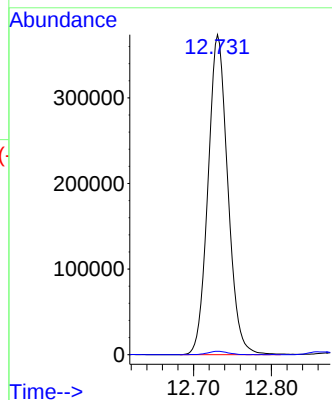
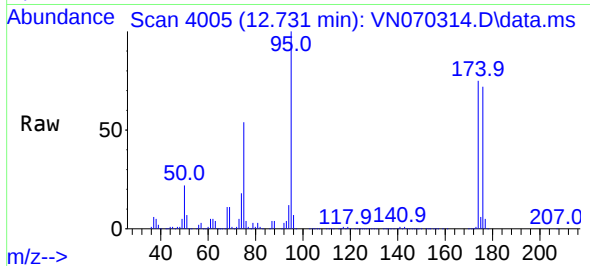




#76
1,2,3-Trichloropropane
Concen: 24.010 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

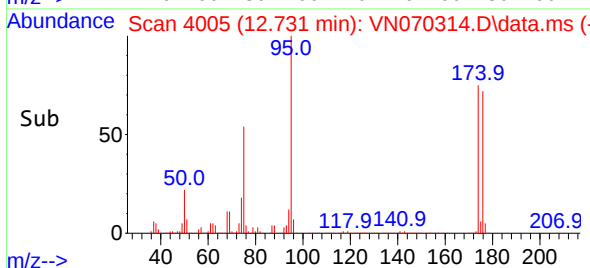
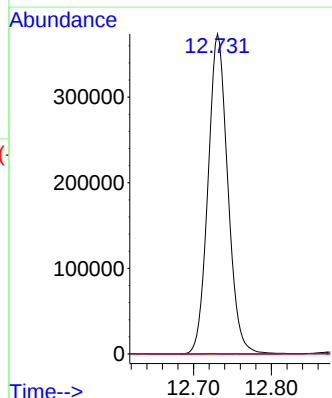
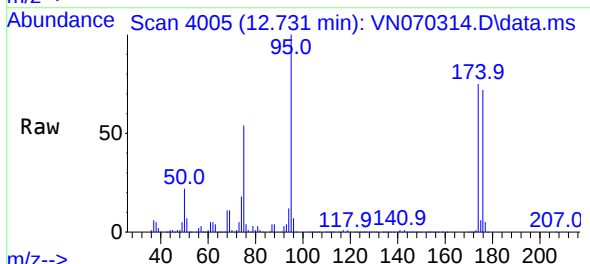
Instrument :
MSVOA_N
ClientSampleId :

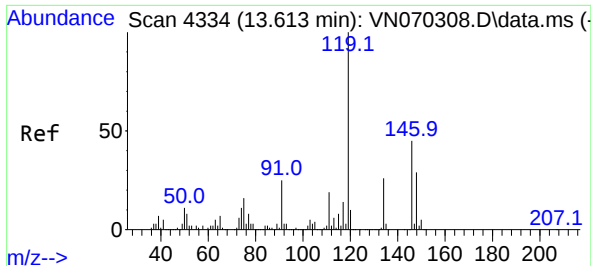
Tgt Ion: 75 Resp: 658950
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.408 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion: 75 Resp: 658950
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#87

1,3-Dichlorobenzene

Concen: 0.261 ug/l

RT: 13.616 min Scan# 4335

Delta R.T. 0.003 min

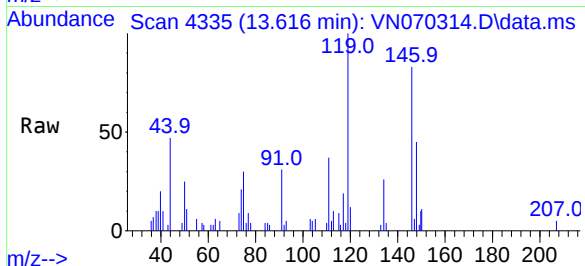
Lab File: VN070314.D

Acq: 27 Dec 2021 16:05

Instrument :

MSVOA_N

ClientSampleId :



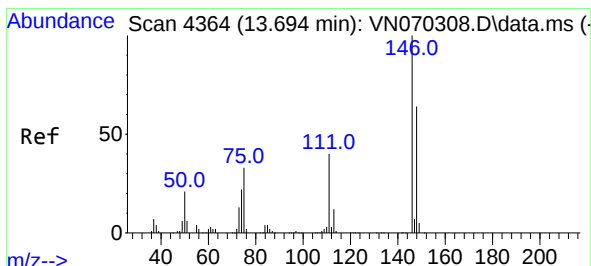
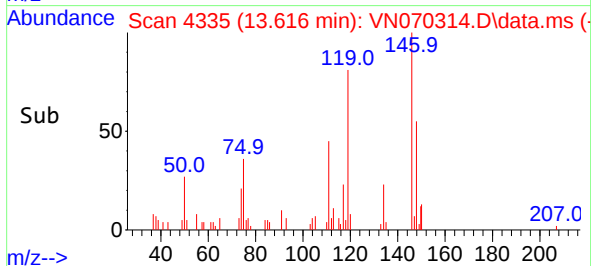
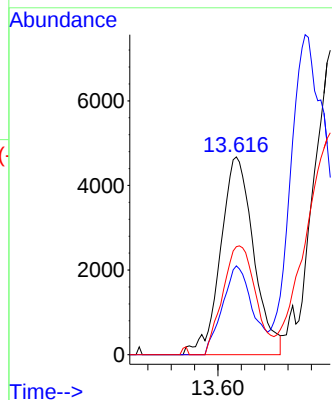
Tgt Ion:146 Resp: 9211

Ion Ratio Lower Upper

146 100

111 40.7 18.6 55.6

148 54.7 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.265 ug/l

RT: 13.616 min Scan# 4335

Delta R.T. -0.078 min

Lab File: VN070314.D

Acq: 27 Dec 2021 16:05

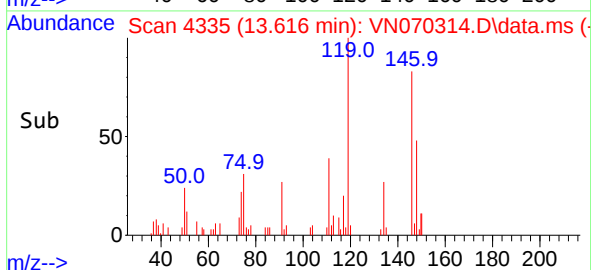
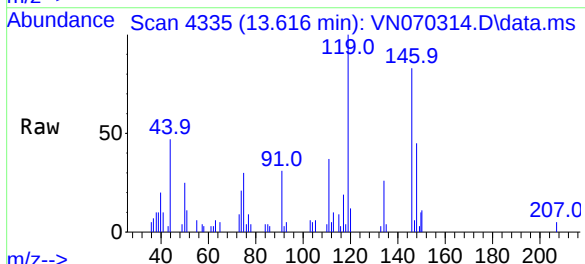
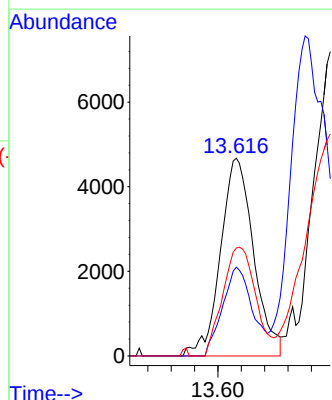
Tgt Ion:146 Resp: 9211

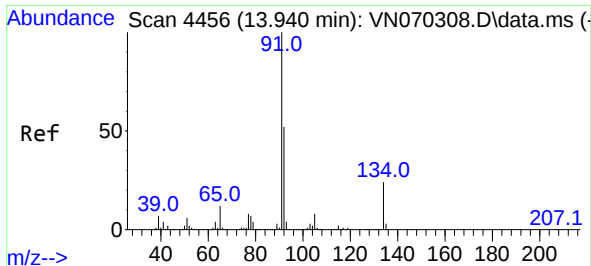
Ion Ratio Lower Upper

146 100

111 40.7 18.3 54.8

148 54.7 31.8 95.4

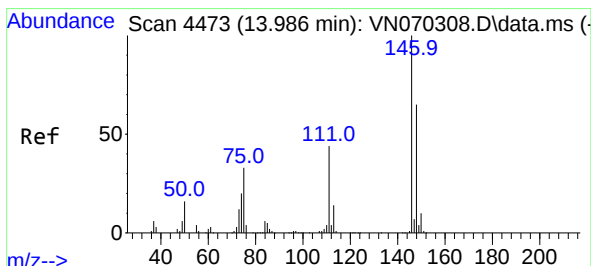
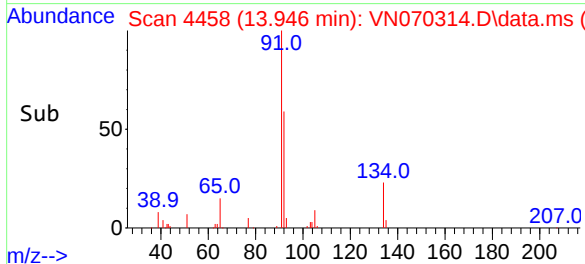
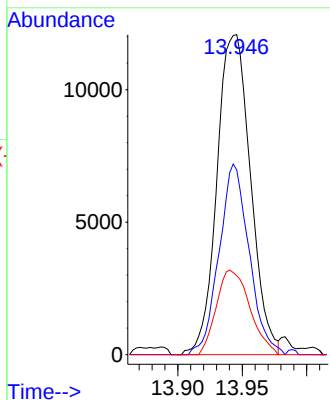
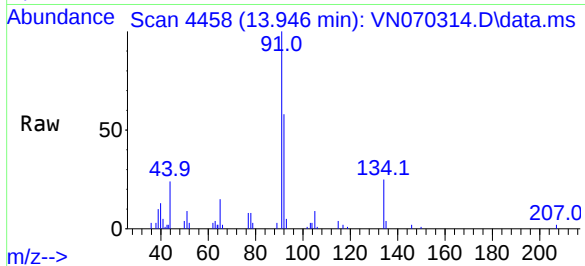




#89
n-Butylbenzene
Concen: 0.380 ug/l
RT: 13.946 min Scan# 4456
Delta R.T. 0.006 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

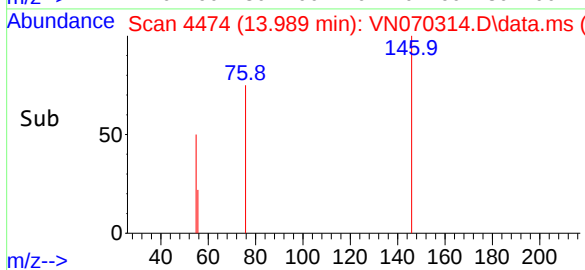
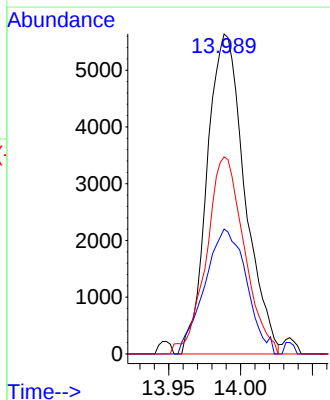
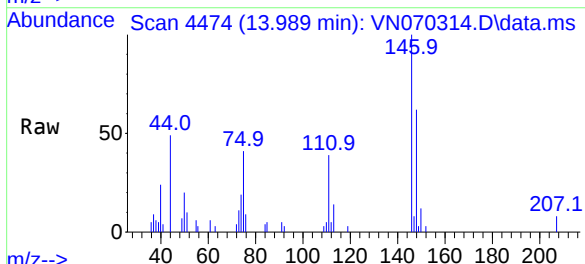
Instrument :
MSVOA_N
ClientSampleId :

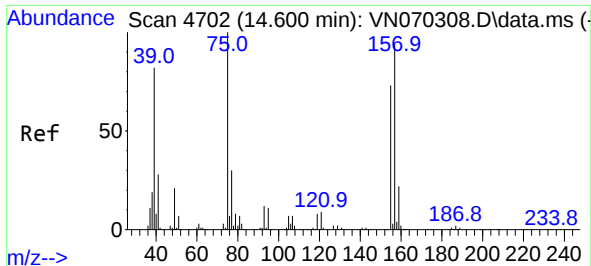
Tgt Ion: 91 Resp: 21917
Ion Ratio Lower Upper
91 100
92 53.4 25.4 76.0
134 26.3 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.295 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.003 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Tgt Ion: 146 Resp: 10223
Ion Ratio Lower Upper
146 100
111 43.4 19.1 57.3
148 61.9 32.1 96.3

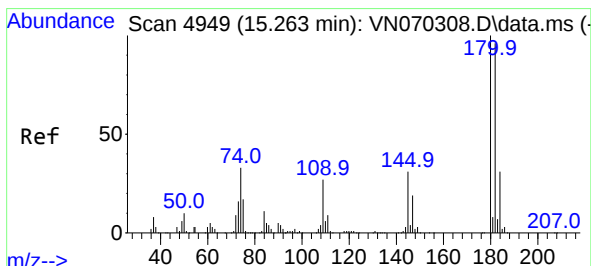
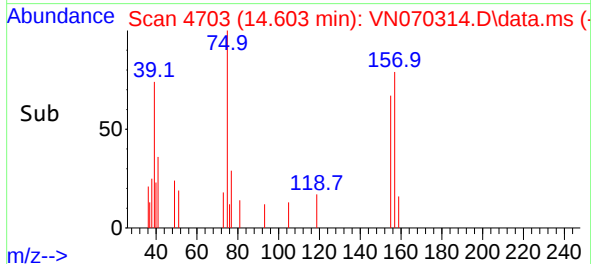
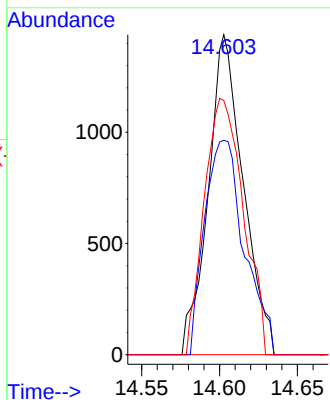
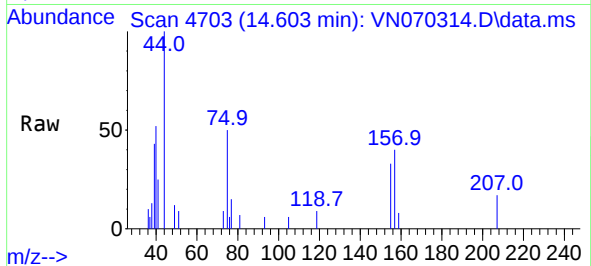




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.423 ug/l
RT: 14.603 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

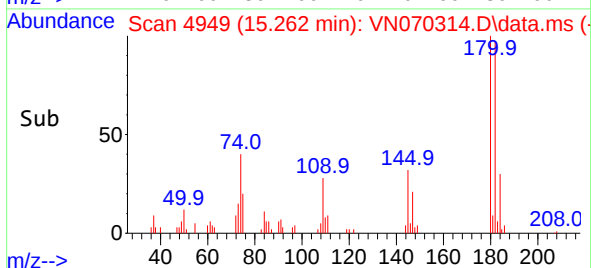
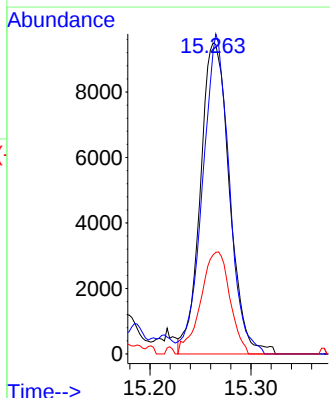
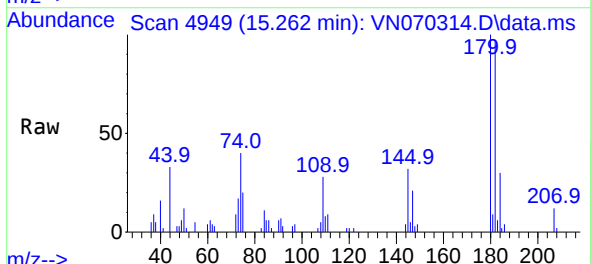
Instrument :
MSVOA_N
ClientSampleId :

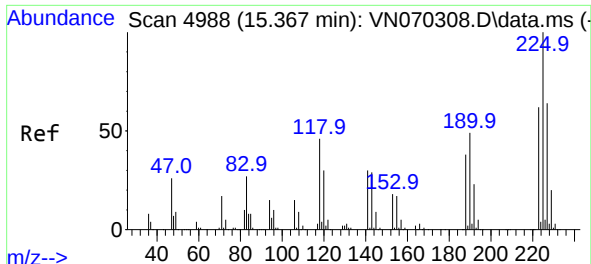
Tgt Ion: 75 Resp: 2252
Ion Ratio Lower Upper
75 100
155 76.0 46.9 140.7
157 89.3 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 1.165 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.001 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

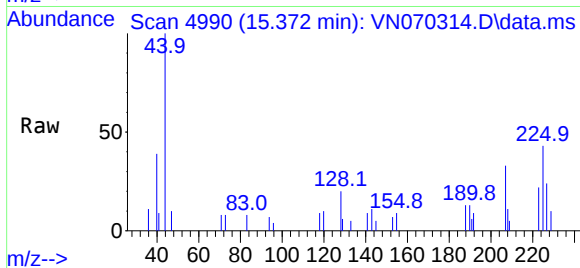
Tgt Ion:180 Resp: 18990
Ion Ratio Lower Upper
180 100
182 94.6 48.3 144.9
145 32.8 14.5 43.5



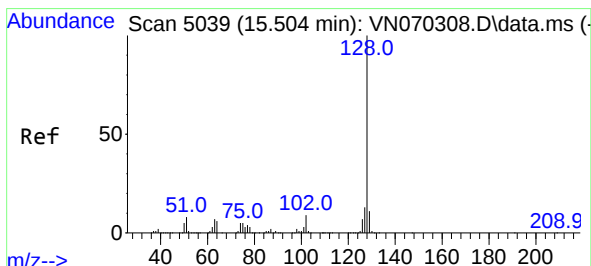
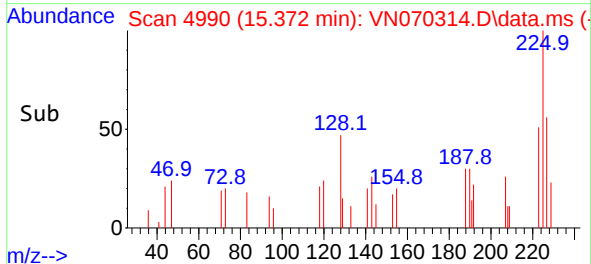
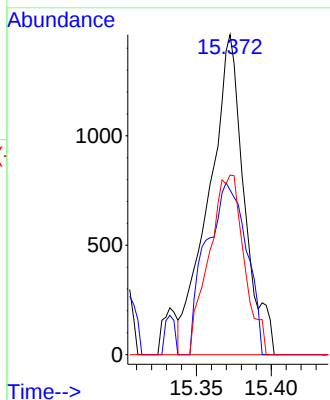


#94
Hexachlorobutadiene
Concen: 0.252 ug/l
RT: 15.372 min Scan# 4990
Delta R.T. 0.005 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

Instrument :
MSVOA_N
ClientSampleId :

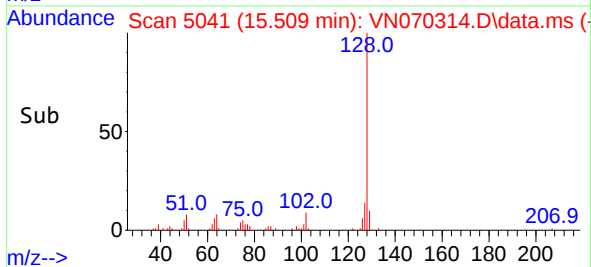
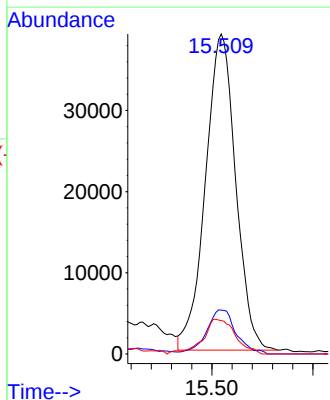
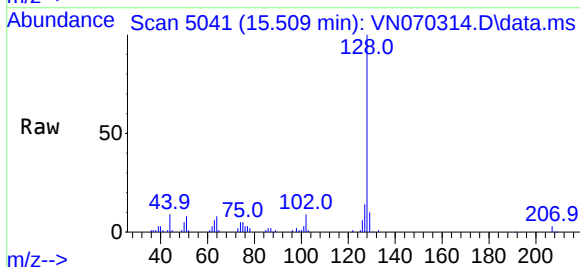


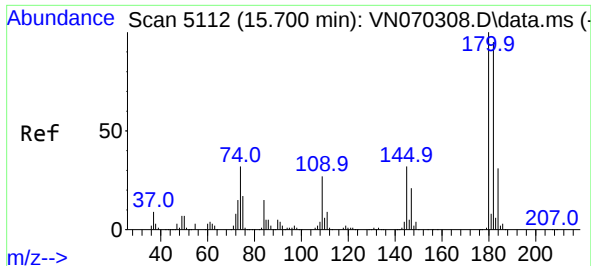
Tgt Ion:225 Resp: 2385
Ion Ratio Lower Upper
225 100
223 61.5 31.9 95.7
227 56.2 32.1 96.3



#95
Naphthalene
Concen: 3.532 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070314.D
Acq: 27 Dec 2021 16:05

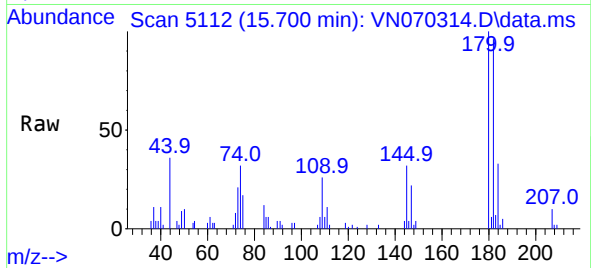
Tgt Ion:128 Resp: 81089
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 11.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.258 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070314.D
 Acq: 27 Dec 2021 16:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	22711
Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.2
145	34.1	15.0	45.1

