

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041222\
 Data File : VN071964.D
 Acq On : 12 Apr 2022 19:26
 Operator : JC\MD
 Sample : N2349-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COM-1

Quant Time: Apr 13 04:47:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

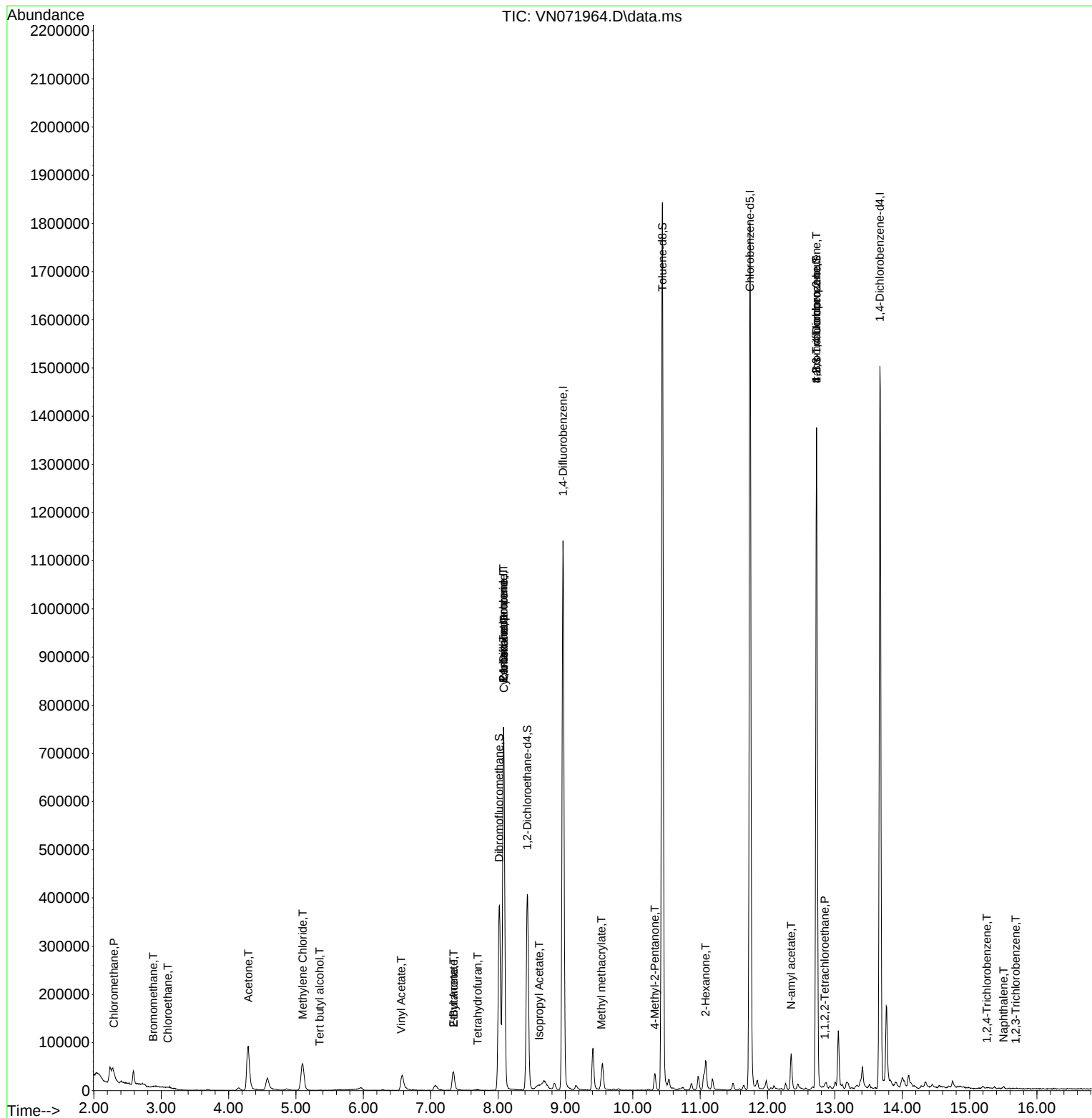
Internal Standards						
1) Pentafluorobenzene	8.080	168	640205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1073808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1117897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	449370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	333435	45.622	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.240%		
35) Dibromofluoromethane	8.016	113	294491	46.606	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.220%		
50) Toluene-d8	10.439	98	1346169	52.079	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.160%		
62) 4-Bromofluorobenzene	12.727	95	489108	58.507	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	117.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	2567	0.398	ug/l	97
5) Bromomethane	2.881	94	1759	0.382	ug/l	99
6) Chloroethane	3.098	64	1239	0.243	ug/l #	42
11) Tert butyl alcohol	5.351	59	379	0.320	ug/l #	72
16) Acetone	4.292	43	171760	54.990	ug/l	94
18) Methyl Acetate	4.857	43	4952	Below Cal		99
20) Methylene Chloride	5.098	84	50926	7.735	ug/l	91
23) Vinyl Acetate	6.563	43	5980	0.403	ug/l #	68
25) 2-Butanone	7.339	43	66316	14.728	ug/l #	87
29) Tetrahydrofuran	7.698	42	841	0.288	ug/l #	72
31) Cyclohexane	8.086	56	9590	0.965	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	43024	4.876	ug/l #	48
37) Ethyl Acetate	7.339	43	66316	6.866	ug/l #	67
38) Carbon Tetrachloride	8.080	117	55928	6.467	ug/l #	18
43) Isopropyl Acetate	8.610	43	14044	0.874	ug/l #	53
48) Methyl methacrylate	9.533	41	20883	3.133	ug/l #	22
51) 4-Methyl-2-Pentanone	10.327	43	25023	2.709	ug/l	97
59) 2-Hexanone	11.080	43	63140	9.710	ug/l	70
74) N-amyl acetate	12.351	43	47724	4.399	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.851	83	3362	0.266	ug/l #	82
76) 1,2,3-Trichloropropane	12.727	75	233459	22.426	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	233459	69.499	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.256	180	513	2.155	ug/l #	76
95) Naphthalene	15.504	128	4935	4.026	ug/l	95
96) 1,2,3-Trichlorobenzene	15.686	180	651	2.504	ug/l #	89

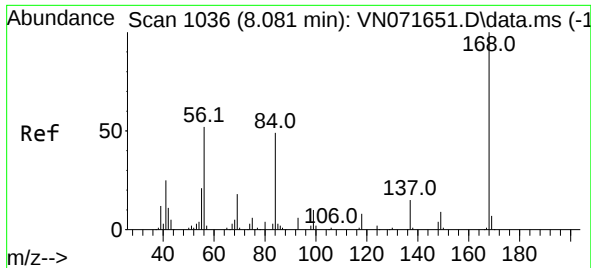
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041222\
Data File : VN071964.D
Acq On : 12 Apr 2022 19:26
Operator : JC\MD
Sample : N2349-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COM-1

Quant Time: Apr 13 04:47:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

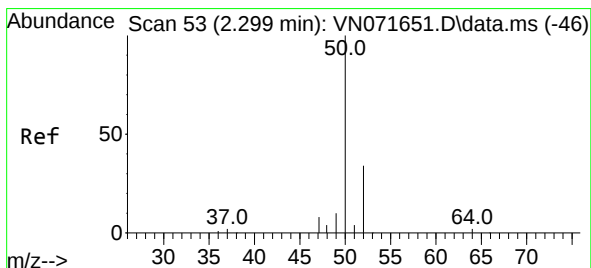
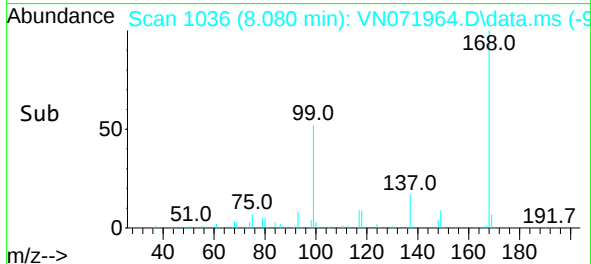
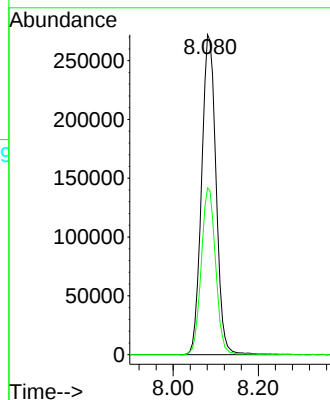
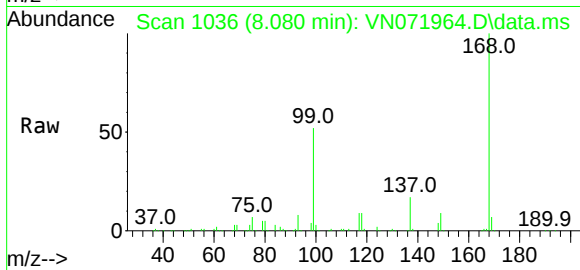




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

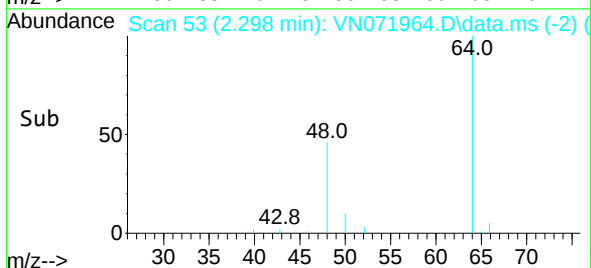
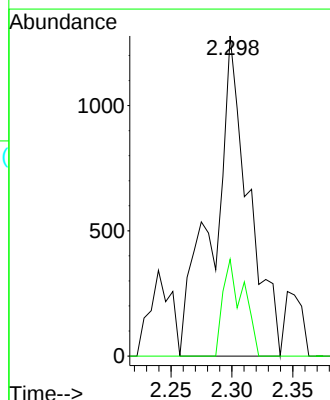
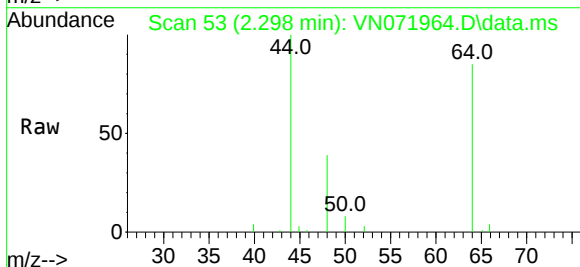
Instrument :
MSVOA_N
ClientSampleId :
COM-1

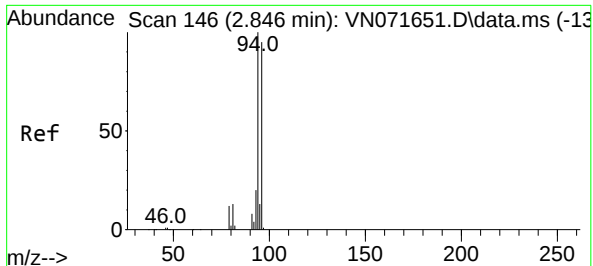
Tgt Ion:168 Resp: 640205
Ion Ratio Lower Upper
168 100
99 52.1 42.3 63.5



#3
Chloromethane
Concen: 0.398 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Tgt Ion: 50 Resp: 2567
Ion Ratio Lower Upper
50 100
52 30.2 25.7 38.5

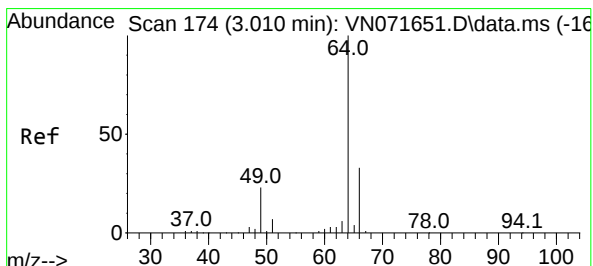
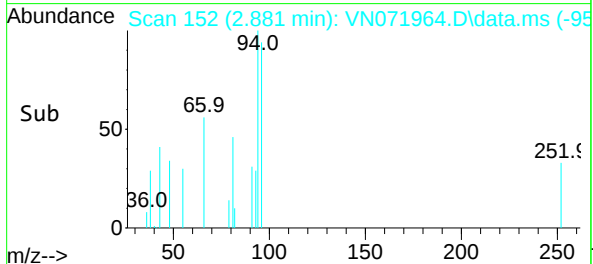
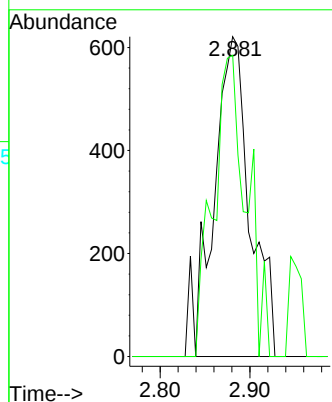
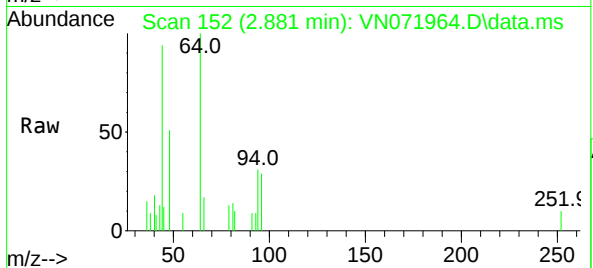




#5
Bromomethane
Concen: 0.382 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

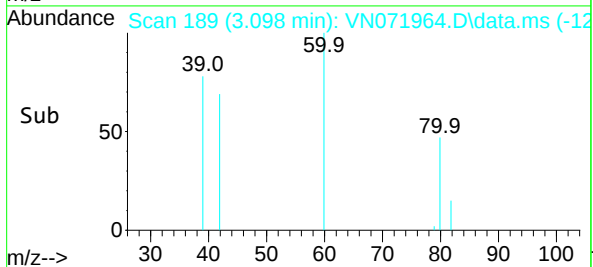
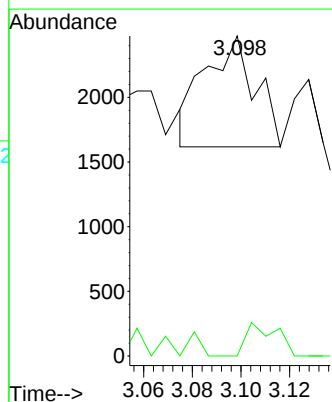
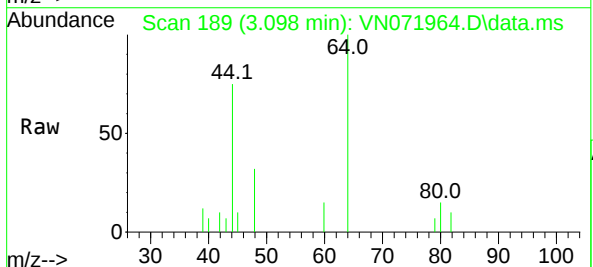
Instrument :
MSVOA_N
ClientSampleId :
COM-1

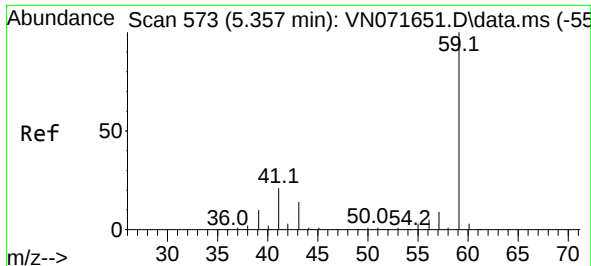
Tgt Ion: 94 Resp: 1759
Ion Ratio Lower Upper
94 100
96 94.2 76.0 114.0



#6
Chloroethane
Concen: 0.243 ug/l
RT: 3.098 min Scan# 189
Delta R.T. 0.088 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Tgt Ion: 64 Resp: 1239
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

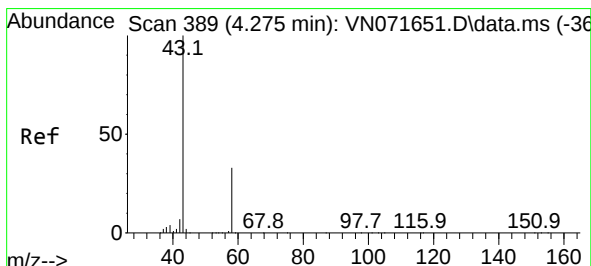
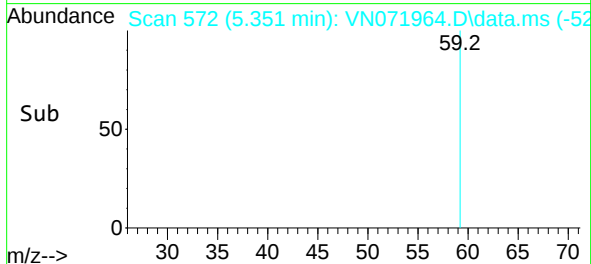
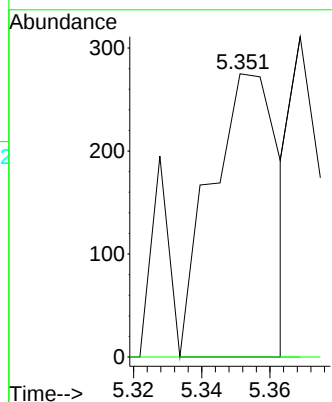
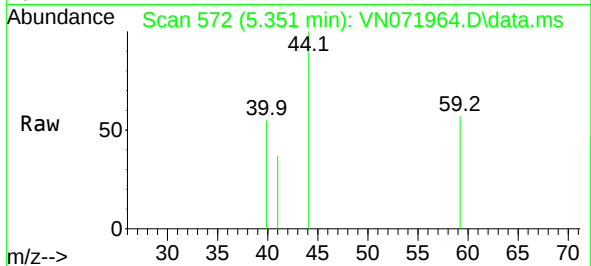




#11
Tert butyl alcohol
Concen: 0.320 ug/l
RT: 5.351 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

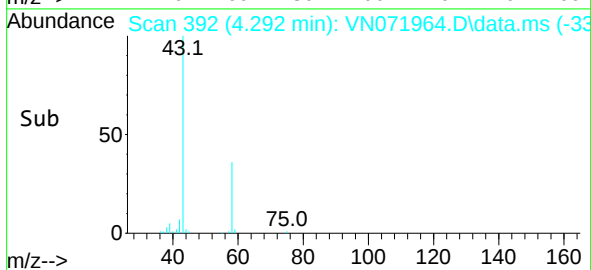
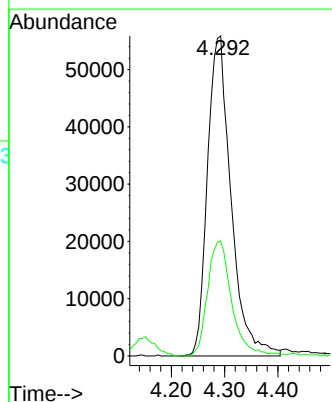
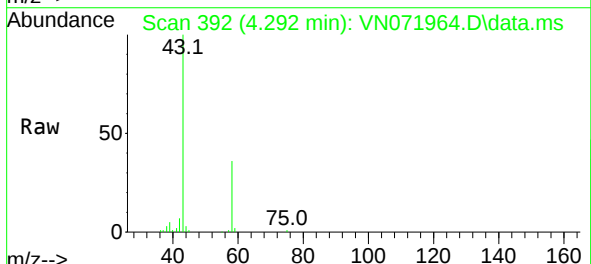
Instrument :
MSVOA_N
ClientSampleId :
COM-1

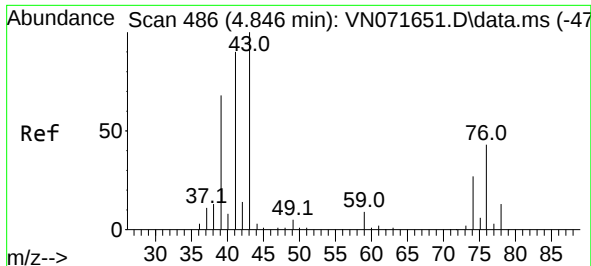
Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 54.990 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Tgt Ion: 43 Resp: 171760
Ion Ratio Lower Upper
43 100
58 35.9 26.0 39.0

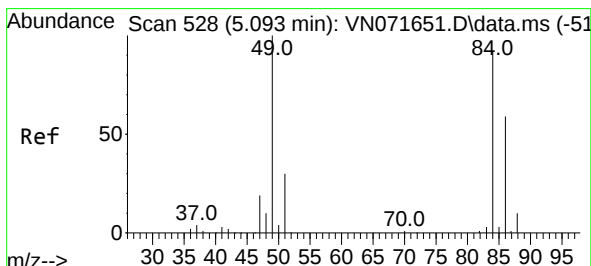
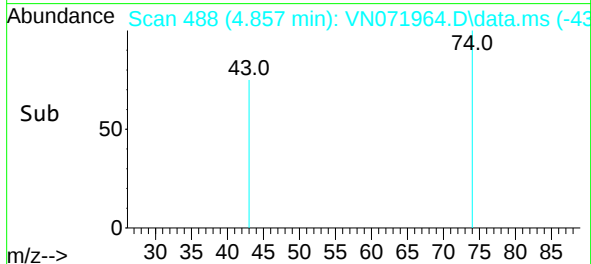
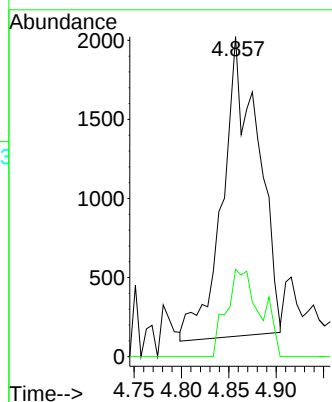
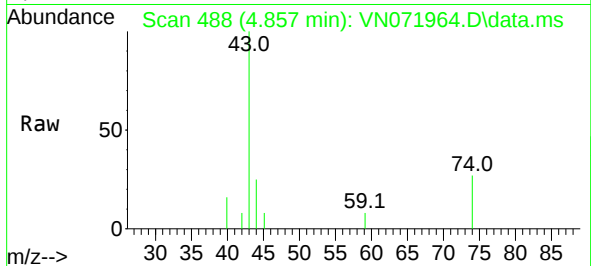




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

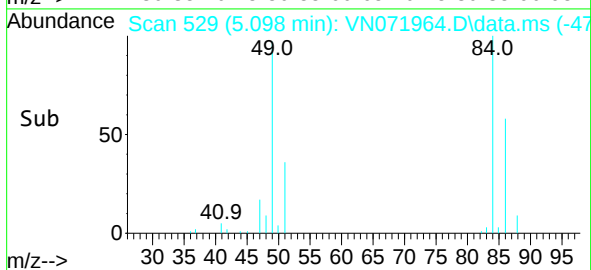
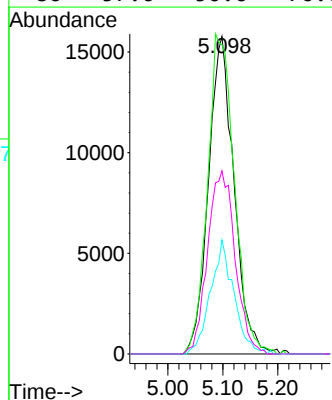
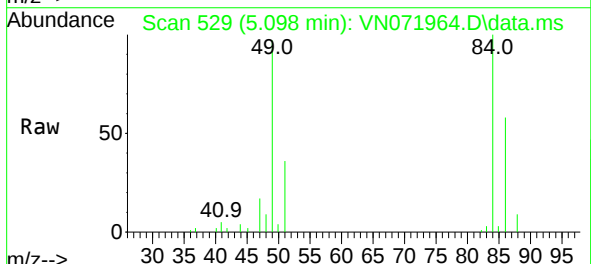
Instrument :
MSVOA_N
ClientSampleId :
COM-1

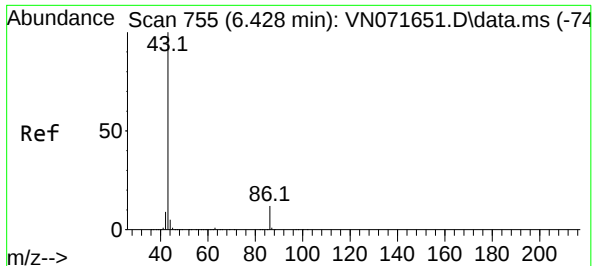
Tgt Ion: 43 Resp: 4952
Ion Ratio Lower Upper
43 100
74 27.6 21.6 32.4



#20
Methylene Chloride
Concen: 7.735 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Tgt Ion: 84 Resp: 50926
Ion Ratio Lower Upper
84 100
49 97.4 88.3 132.5
51 35.9 28.2 42.2
86 57.6 50.6 76.0

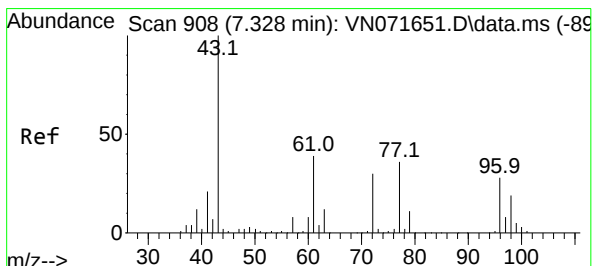
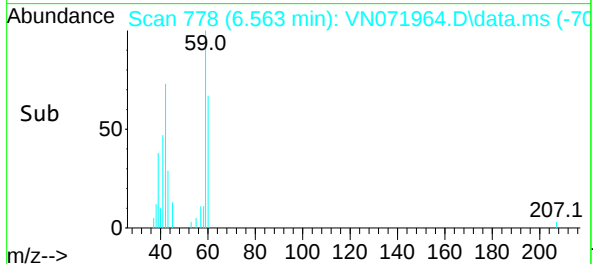
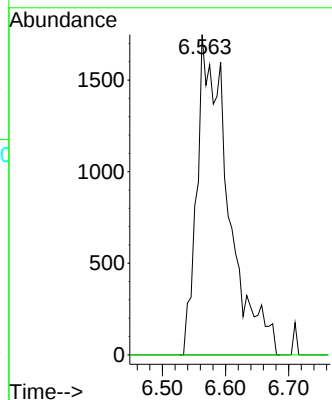
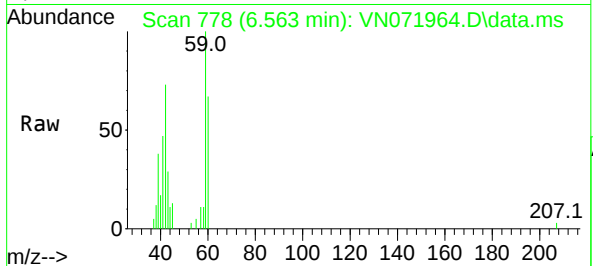




#23
 Vinyl Acetate
 Concen: 0.403 ug/l
 RT: 6.563 min Scan# 71
 Delta R.T. 0.135 min
 Lab File: VN071964.D
 Acq: 12 Apr 2022 19:26

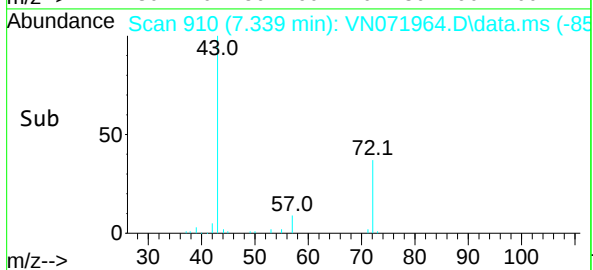
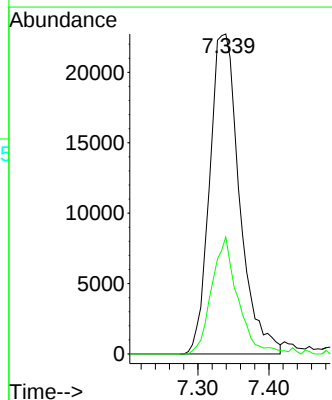
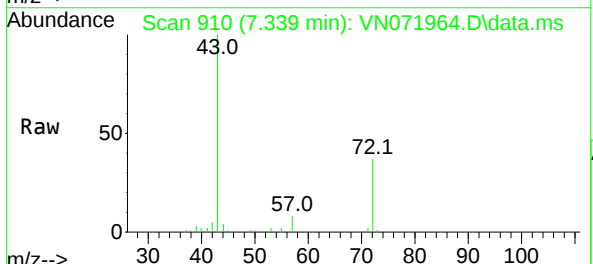
Instrument :
 MSVOA_N
 ClientSampleId :
 COM-1

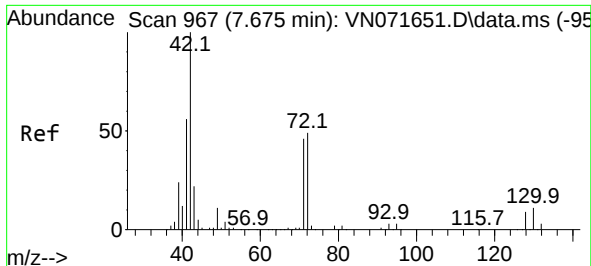
Tgt Ion: 43 Resp: 5980
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 14.728 ug/l
 RT: 7.339 min Scan# 910
 Delta R.T. 0.011 min
 Lab File: VN071964.D
 Acq: 12 Apr 2022 19:26

Tgt Ion: 43 Resp: 66316
 Ion Ratio Lower Upper
 43 100
 72 36.5 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

COM-1

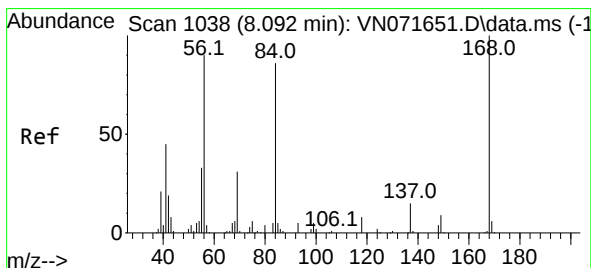
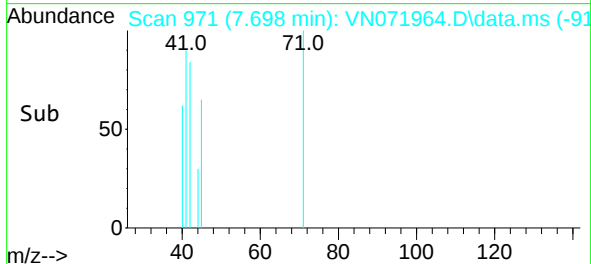
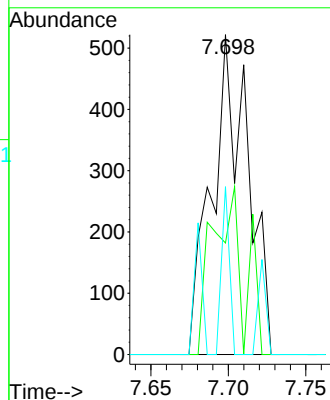
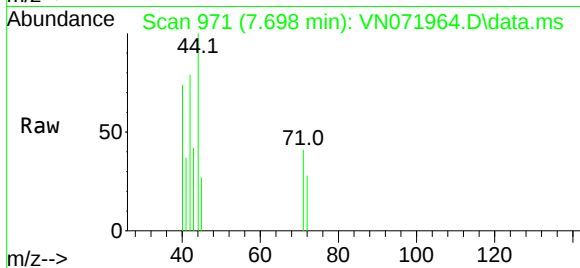
Tgt Ion: 42 Resp: 841

Ion Ratio Lower Upper

42 100

72 46.1 39.7 59.5

71 11.5 36.6 55.0#



#31

Cyclohexane

Concen: 0.965 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

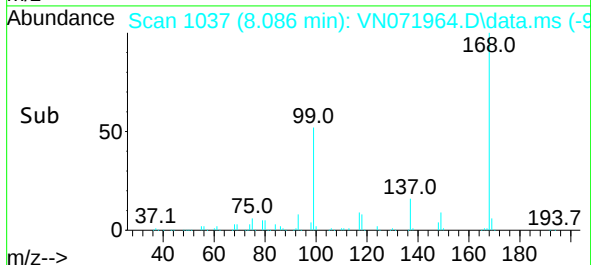
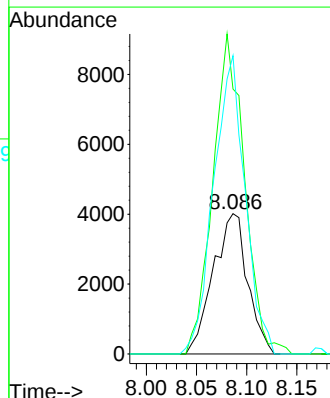
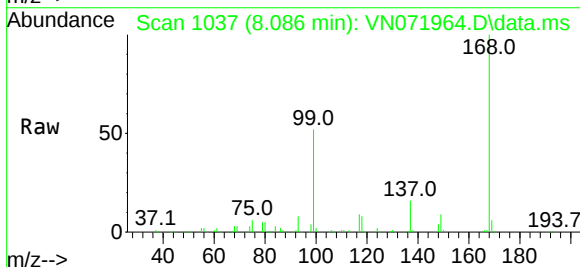
Tgt Ion: 56 Resp: 9590

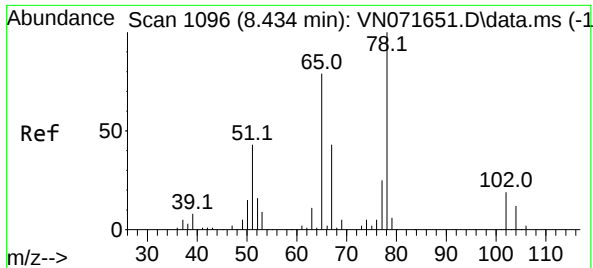
Ion Ratio Lower Upper

56 100

69 188.7 27.8 41.8#

84 212.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.622 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

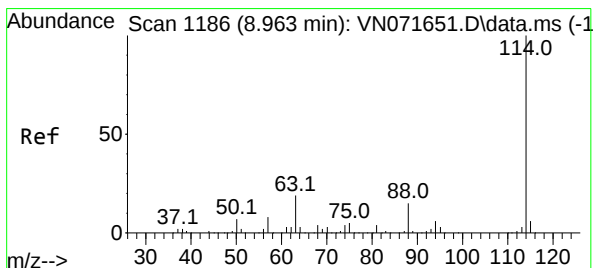
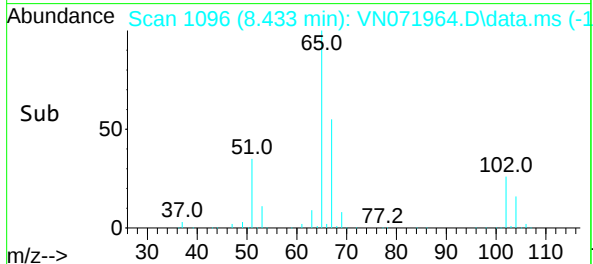
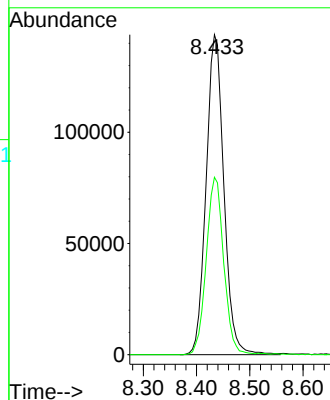
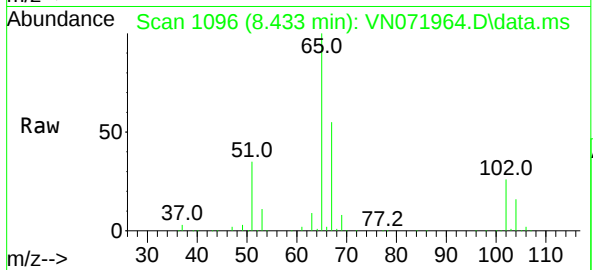
COM-1

Tgt Ion: 65 Resp: 333435

Ion Ratio Lower Upper

65 100

67 54.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

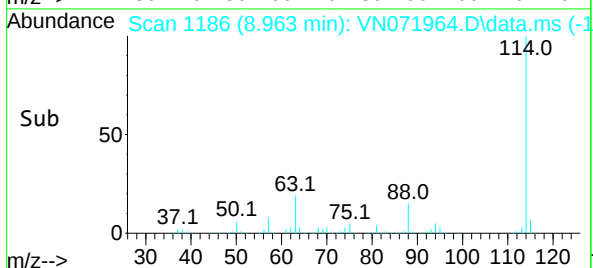
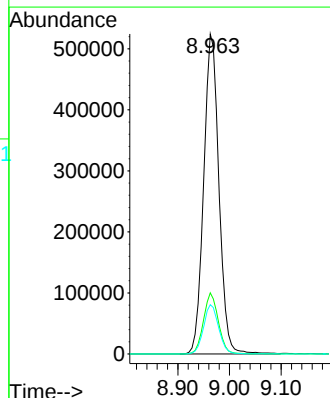
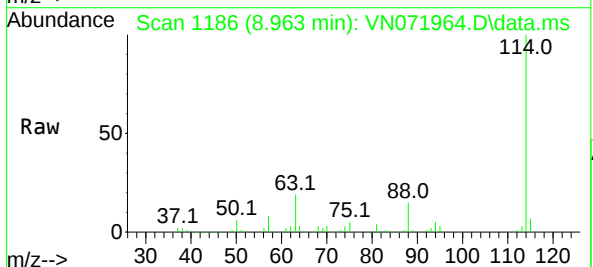
Tgt Ion: 114 Resp: 1073808

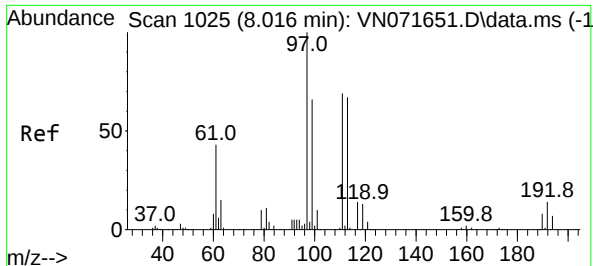
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.606 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

COM-1

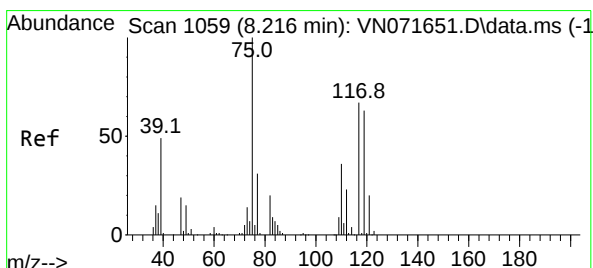
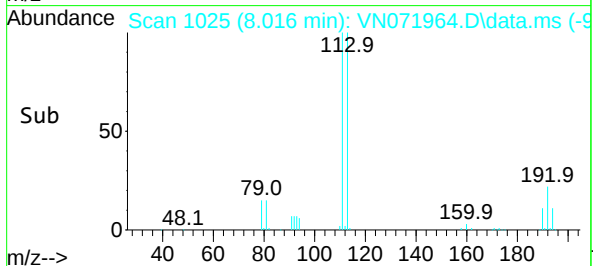
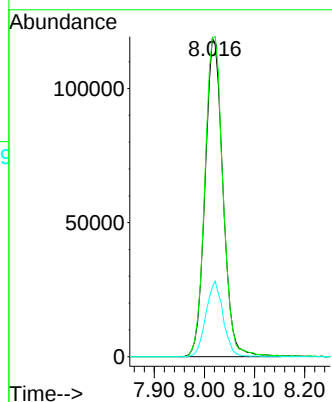
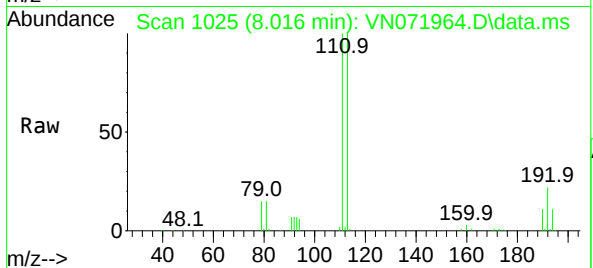
Tgt Ion:113 Resp: 294491

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 22.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

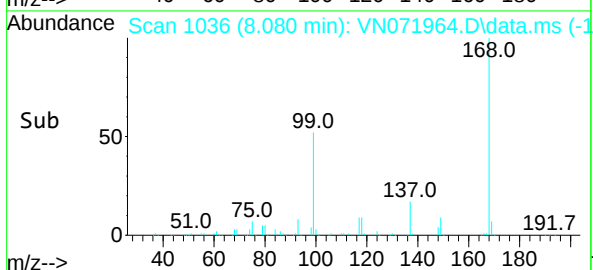
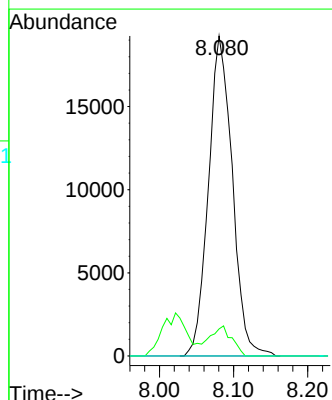
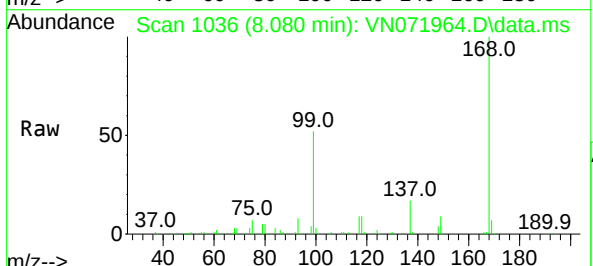
Tgt Ion: 75 Resp: 43024

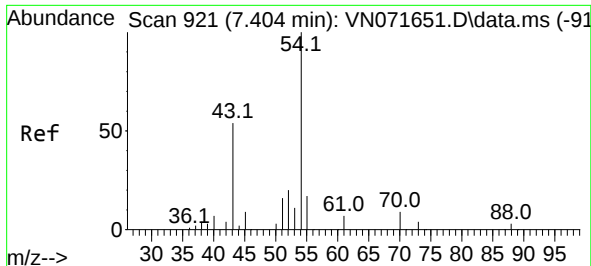
Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 6.866 ug/l

RT: 7.339 min Scan# 91

Delta R.T. -0.065 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

COM-1

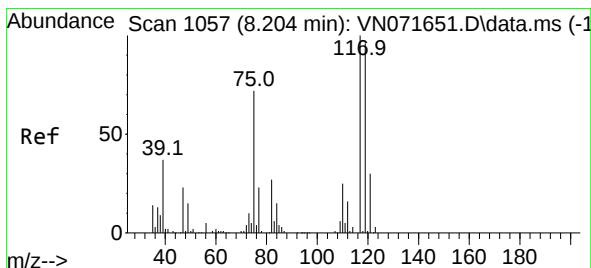
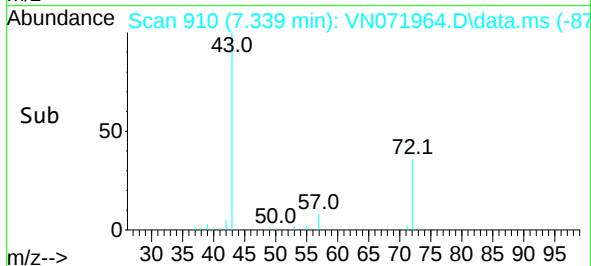
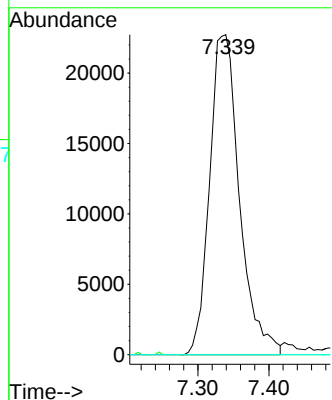
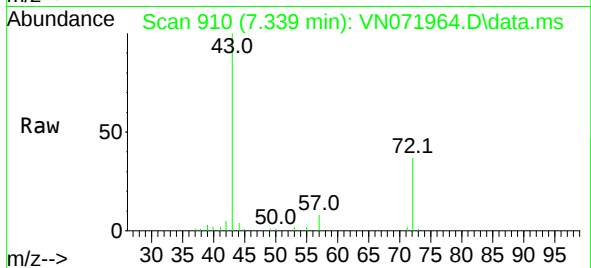
Tgt Ion: 43 Resp: 66316

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 6.467 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

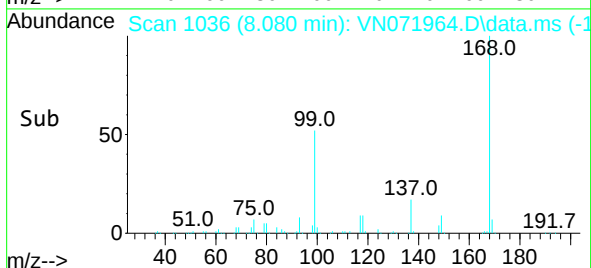
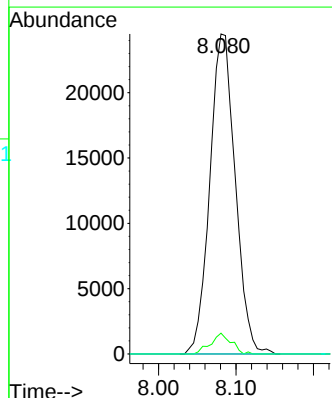
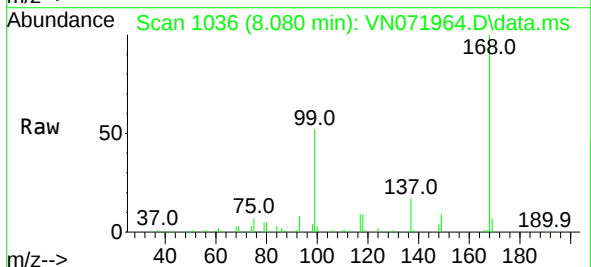
Tgt Ion: 117 Resp: 55928

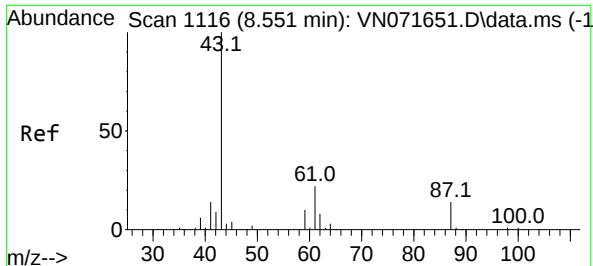
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.874 ug/l

RT: 8.610 min Scan# 1116

Delta R.T. 0.059 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

COM-1

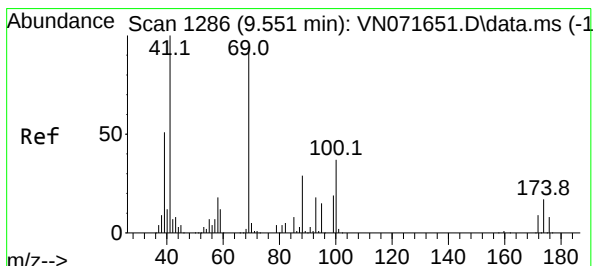
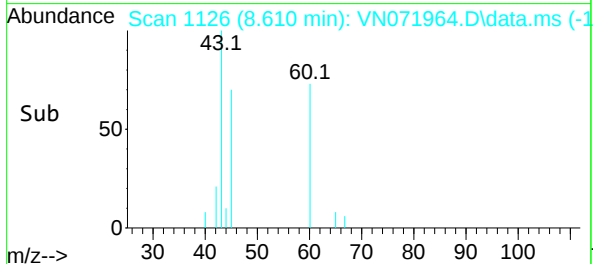
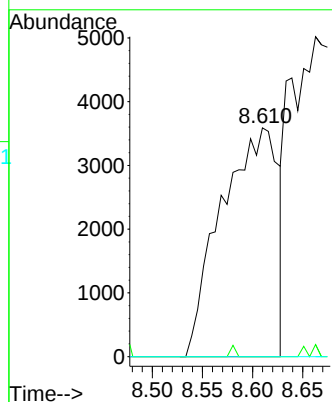
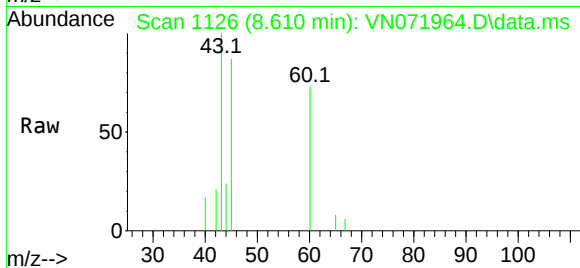
Tgt Ion: 43 Resp: 14044

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#48

Methyl methacrylate

Concen: 3.133 ug/l

RT: 9.533 min Scan# 1283

Delta R.T. -0.018 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

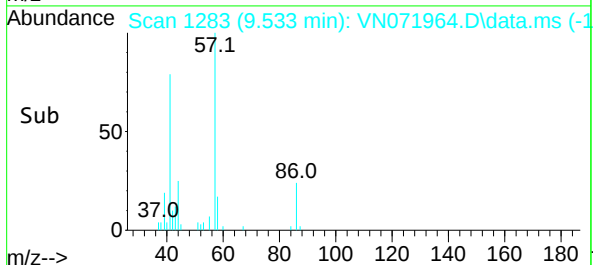
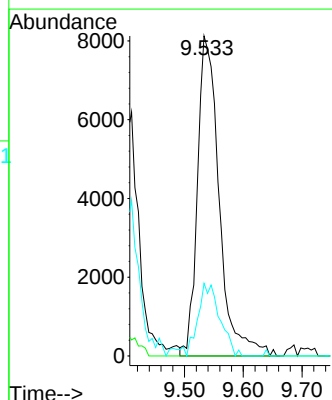
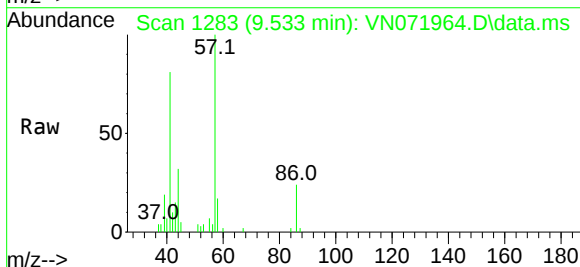
Tgt Ion: 41 Resp: 20883

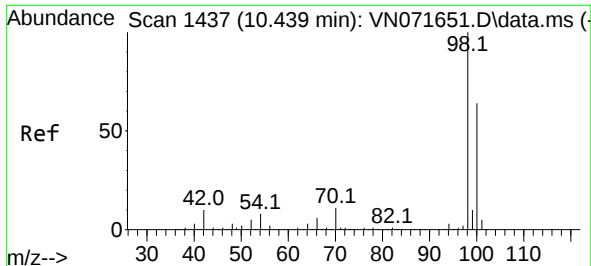
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 22.6 45.6 68.4#

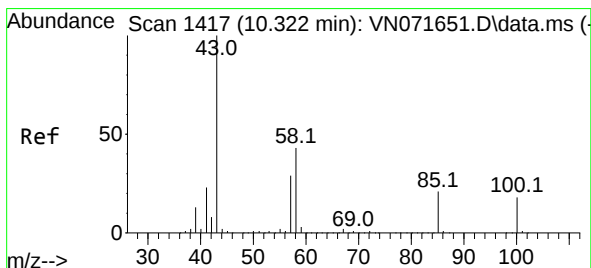
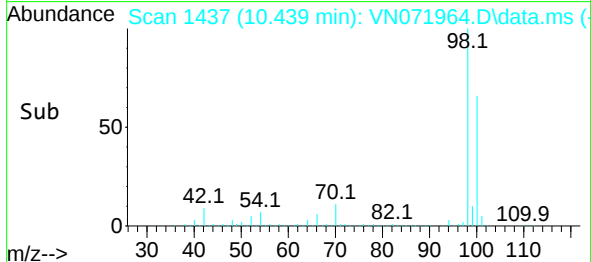
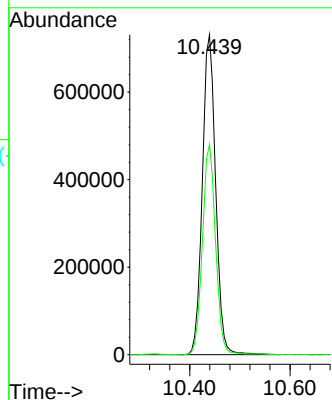
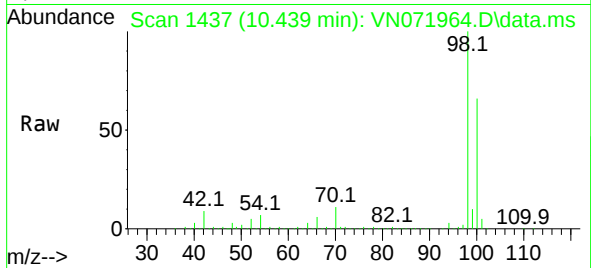




#50
Toluene-d8
Concen: 52.079 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

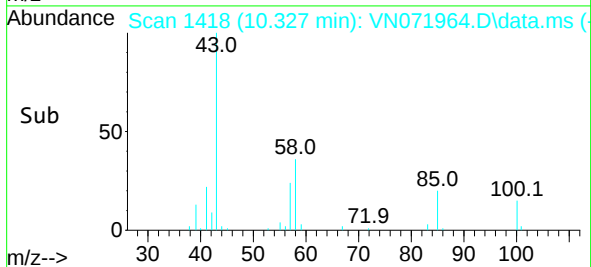
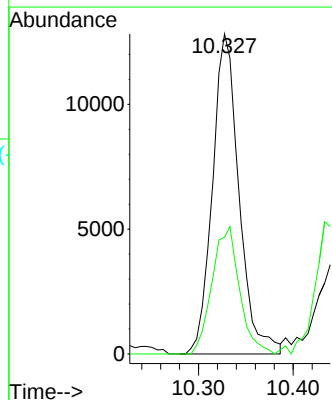
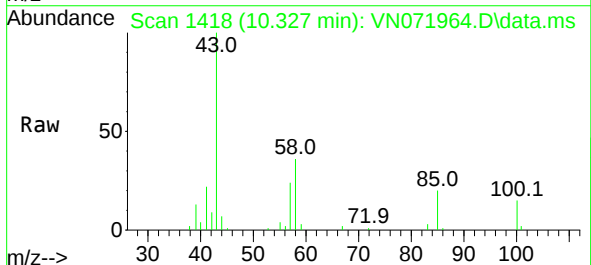
Instrument :
MSVOA_N
ClientSampleId :
COM-1

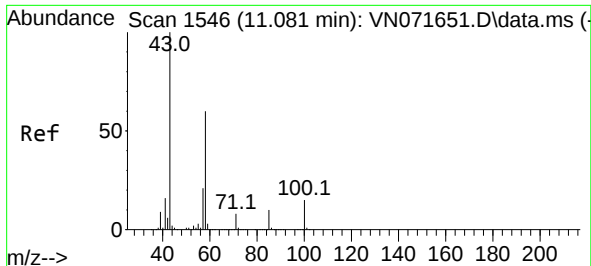
Tgt Ion: 98 Resp: 1346169
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.709 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Tgt Ion: 43 Resp: 25023
Ion Ratio Lower Upper
43 100
58 41.0 34.1 51.1

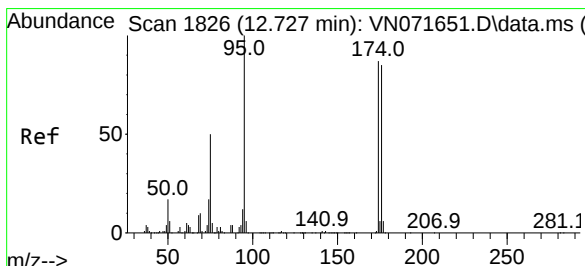
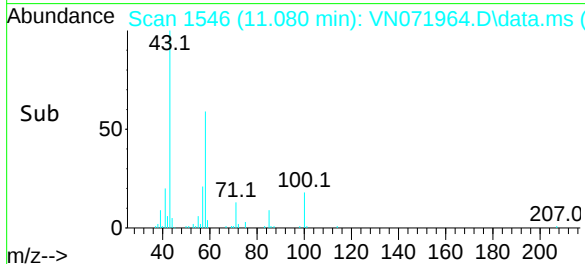
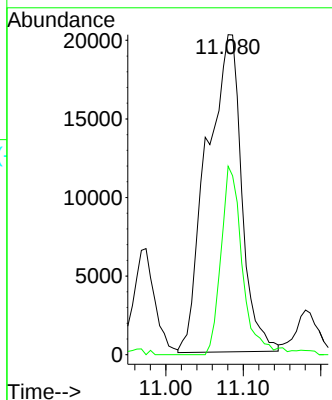
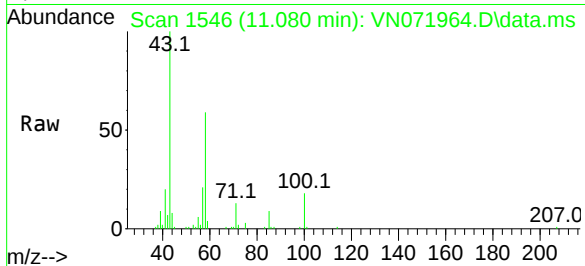




#59
2-Hexanone
Concen: 9.710 ug/l
RT: 11.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

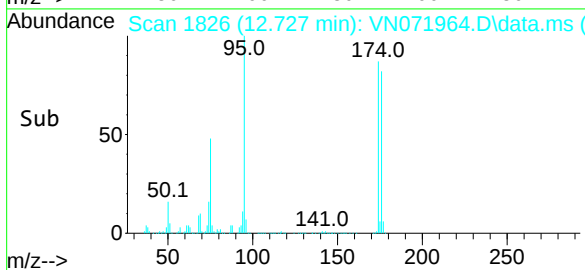
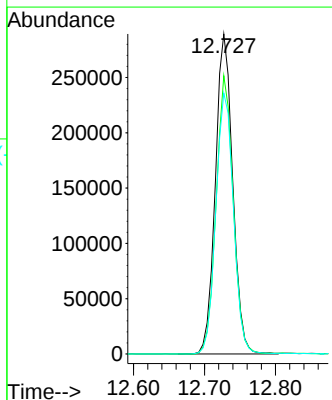
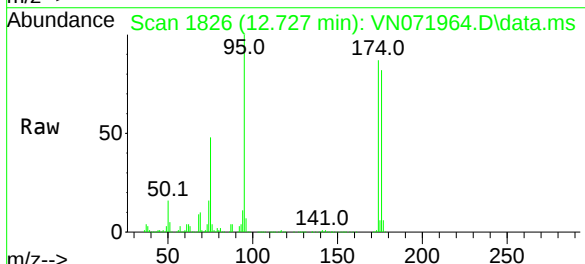
Instrument :
MSVOA_N
ClientSampleId :
COM-1

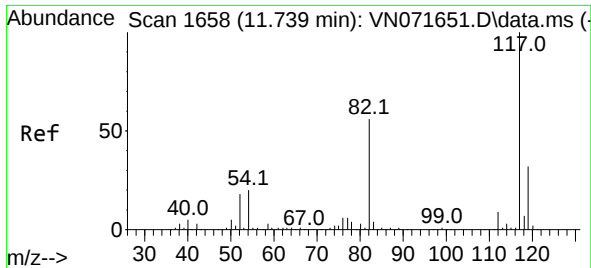
Tgt Ion: 43 Resp: 63140
Ion Ratio Lower Upper
43 100
58 36.6 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 58.507 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Tgt Ion: 95 Resp: 489108
Ion Ratio Lower Upper
95 100
174 85.5 0.0 167.6
176 82.8 0.0 163.4

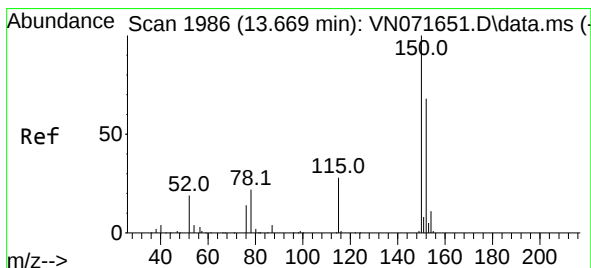
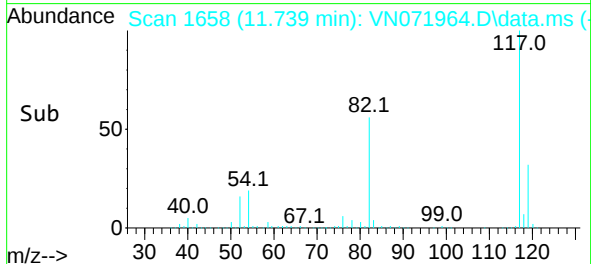
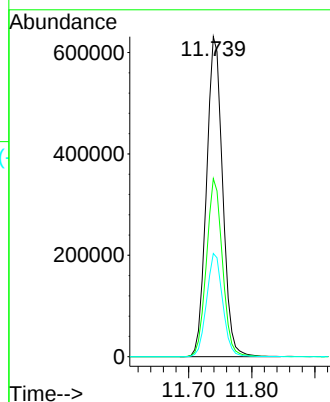
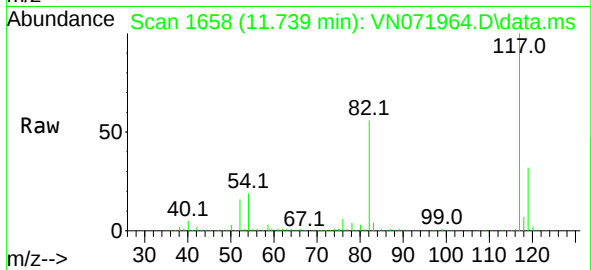




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

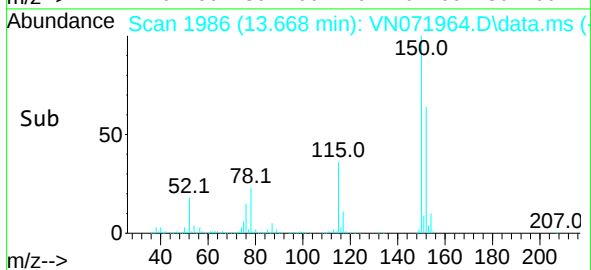
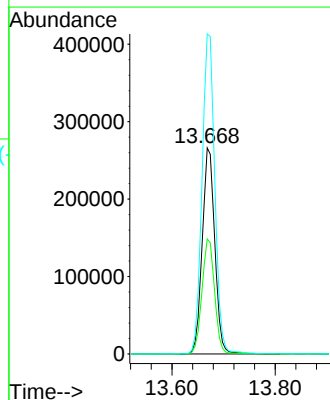
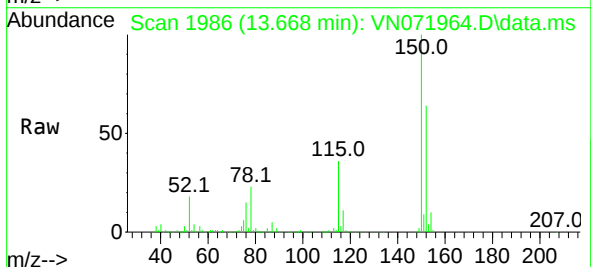
Instrument :
MSVOA_N
ClientSampleId :
COM-1

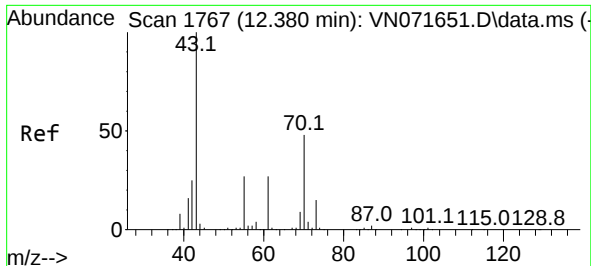
Tgt Ion:117 Resp: 1117897
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

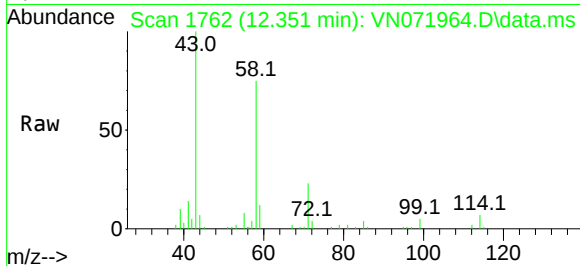
Tgt Ion:152 Resp: 449370
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 157.8 0.0 356.2



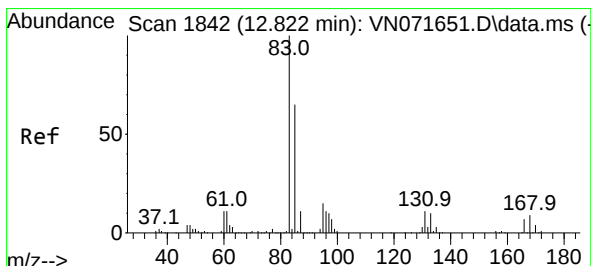
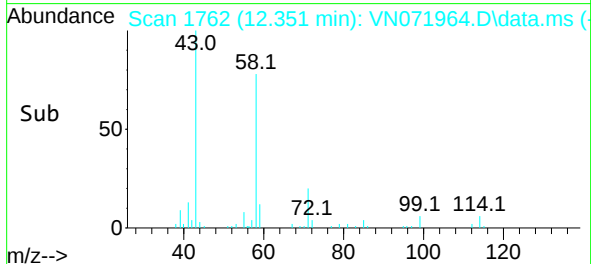
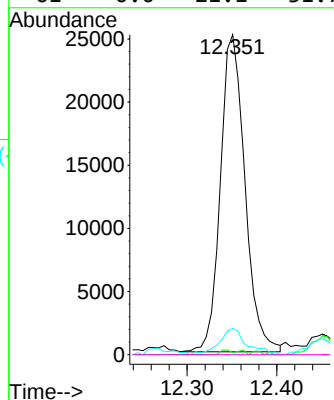


#74
N-amy1 acetate
Concen: 4.399 ug/l
RT: 12.351 min Scan# 1762
Delta R.T. -0.029 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
COM-1

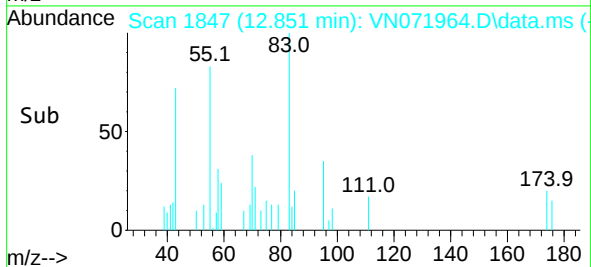
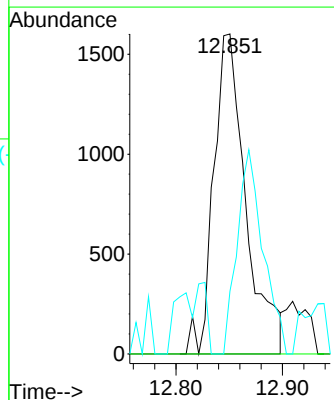
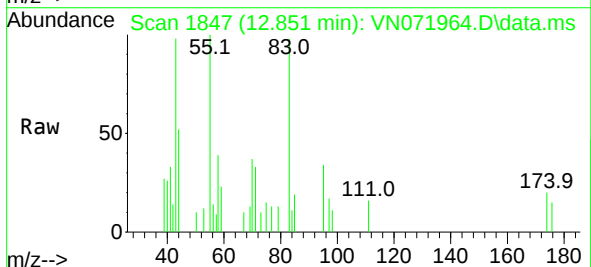


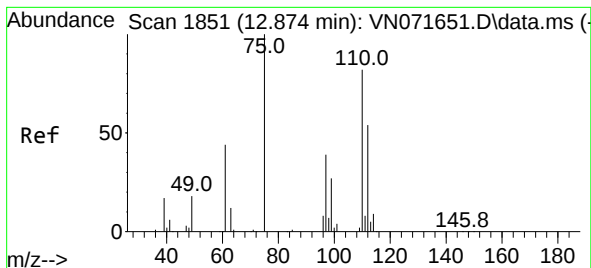
Tgt Ion: 43 Resp: 47724
Ion Ratio Lower Upper
43 100
70 1.1 39.0 58.4#
55 9.2 21.1 31.7#
61 0.0 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.266 ug/l
RT: 12.851 min Scan# 1847
Delta R.T. 0.029 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

Tgt Ion: 83 Resp: 3362
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 51.4 32.3 96.9





#76

1,2,3-Trichloropropane

Concen: 22.426 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

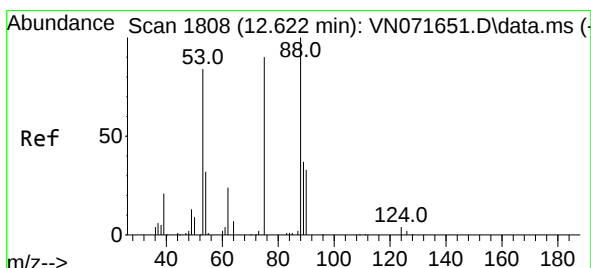
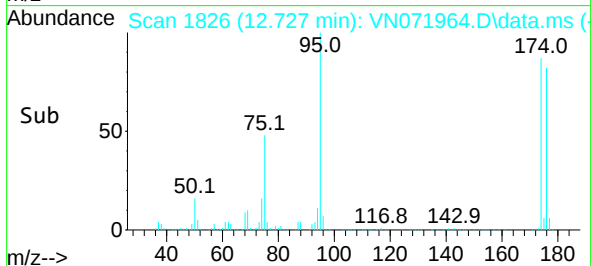
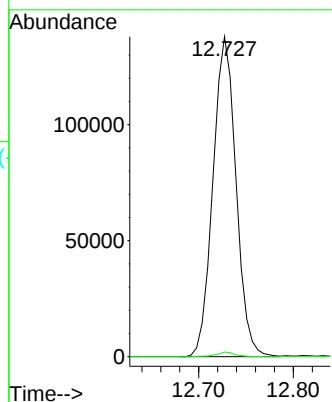
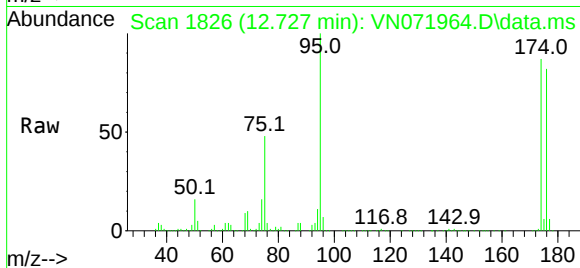
COM-1

Tgt Ion: 75 Resp: 233459

Ion Ratio Lower Upper

75 100

77 1.2 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.499 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.105 min

Lab File: VN071964.D

Acq: 12 Apr 2022 19:26

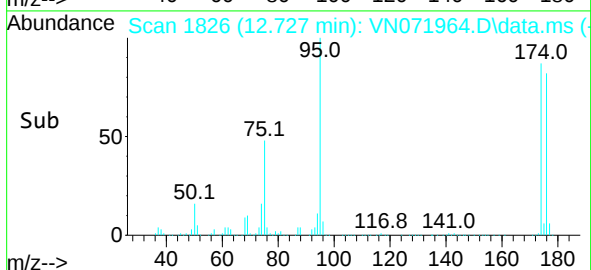
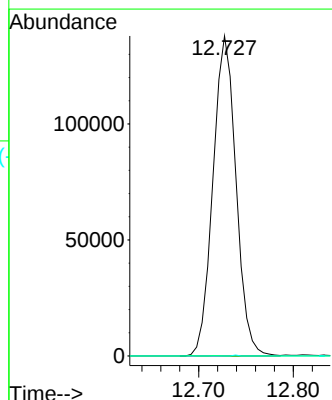
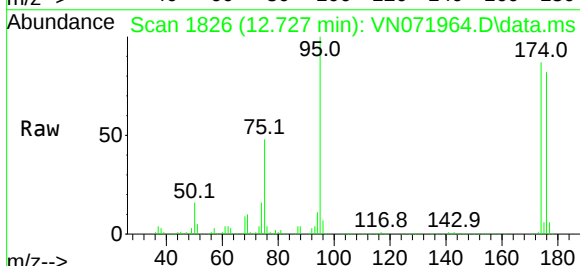
Tgt Ion: 75 Resp: 233459

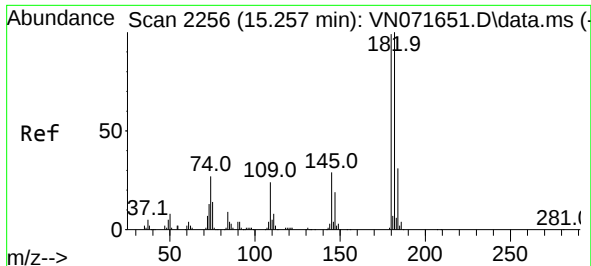
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.1 37.2 55.8#

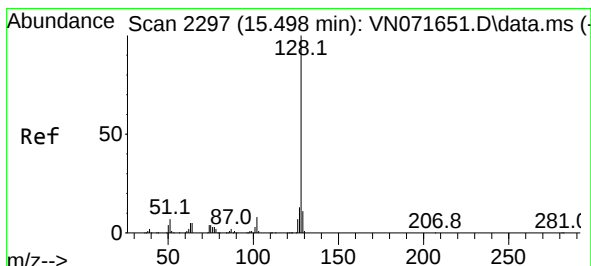
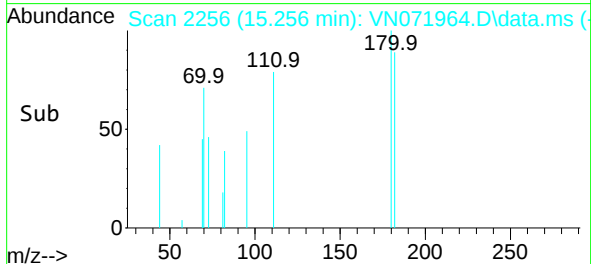
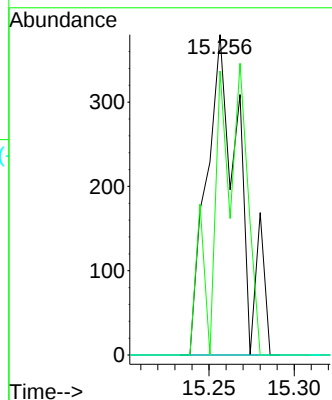
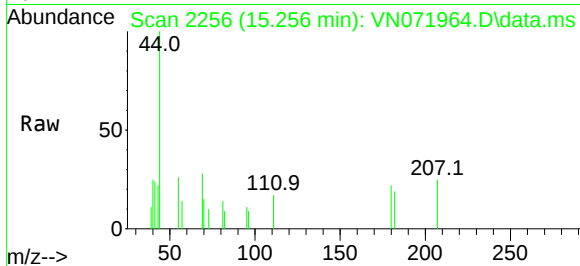




#93
1,2,4-Trichlorobenzene
Concen: 2.155 ug/l
RT: 15.256 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

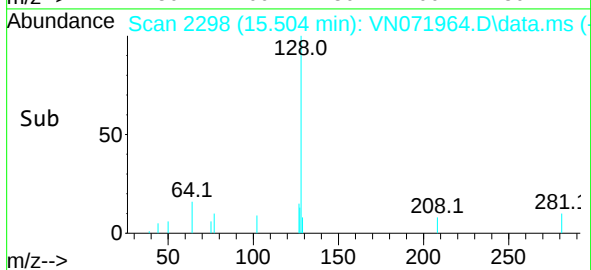
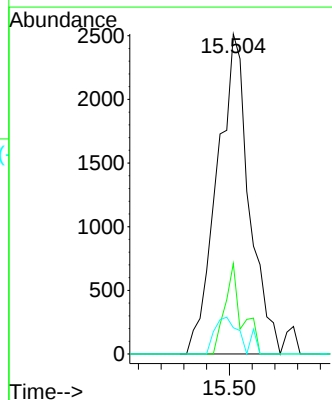
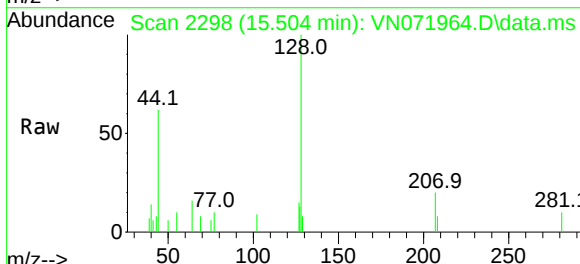
Instrument :
MSVOA_N
ClientSampleId :
COM-1

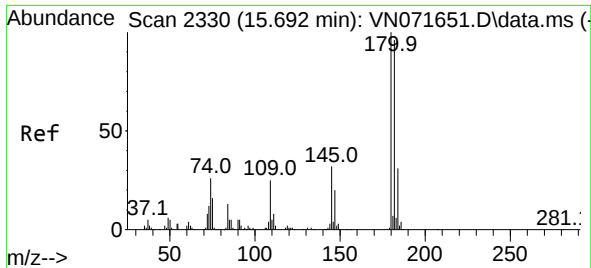
Tgt Ion:180 Resp: 513
Ion Ratio Lower Upper
180 100
182 81.3 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.026 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071964.D
Acq: 12 Apr 2022 19:26

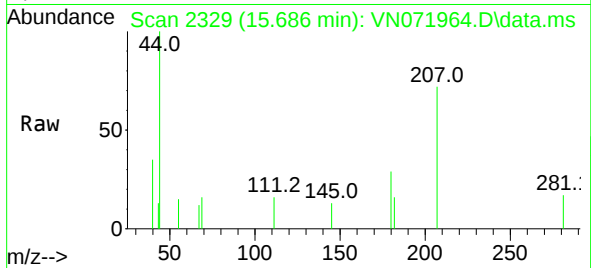
Tgt Ion:128 Resp: 4935
Ion Ratio Lower Upper
128 100
127 15.2 10.3 15.5
129 9.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.504 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071964.D
 Acq: 12 Apr 2022 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 COM-1



Tgt Ion:	180	Resp:	651
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	8.9	15.5	46.5#

