

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052022\
 Data File : VN072578.D
 Acq On : 20 May 2022 15:36
 Operator : JC\MD
 Sample : N2965-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31508

Quant Time: May 21 01:33:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

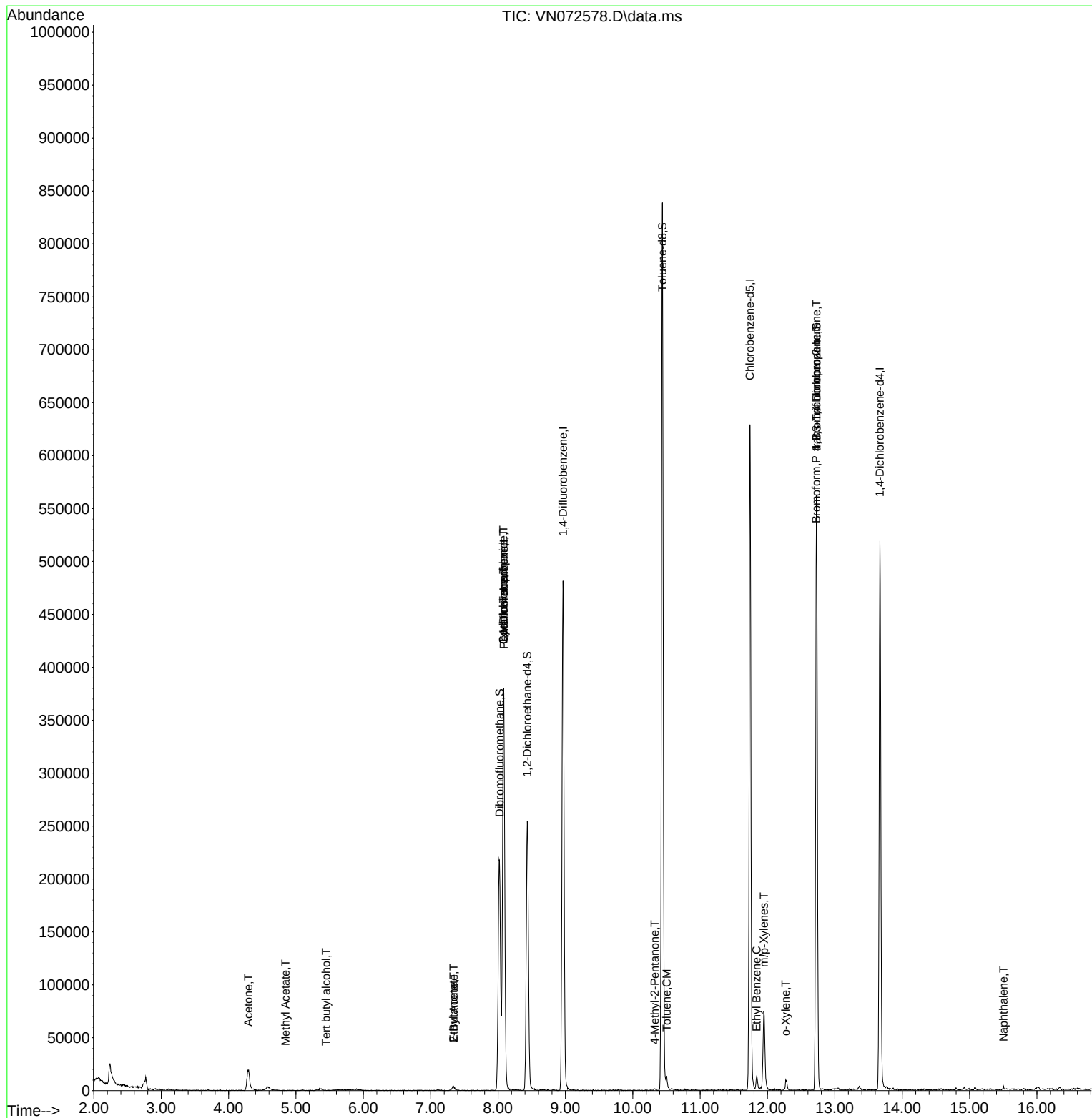
Internal Standards						
1) Pentafluorobenzene	8.087	168	274792	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	409801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	357731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	140066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	238127	55.774	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.540%
35) Dibromofluoromethane	8.022	113	160799	58.154	ug/l	0.01
Spiked Amount	50.000	Range	69 - 133	Recovery	=	116.300%
50) Toluene-d8	10.439	98	552951	52.831	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.660%
62) 4-Bromofluorobenzene	12.727	95	187258	47.101	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.200%
Target Compounds						
					Qvalue	
6) Chloroethane	2.934	64	494	Below Cal	#	42
11) Tert butyl alcohol	5.446	59	185	0.474	ug/l #	72
16) Acetone	4.293	43	37311	28.830	ug/l	97
18) Methyl Acetate	4.846	43	66	0.297	ug/l #	48
25) 2-Butanone	7.340	43	5672	2.787	ug/l	95
31) Cyclohexane	8.081	56	6903	1.455	ug/l #	23
36) 1,1-Dichloropropene	8.081	75	22030	5.852	ug/l #	49
37) Ethyl Acetate	7.340	43	5672	1.371	ug/l #	67
38) Carbon Tetrachloride	8.081	117	30790	6.608	ug/l #	16
51) 4-Methyl-2-Pentanone	10.328	43	1318	0.300	ug/l	98
52) Toluene	10.504	92	3519	0.493	ug/l	90
67) Ethyl Benzene	11.839	91	9032	0.712	ug/l #	76
68) m/p-Xylenes	11.945	106	22484	4.603	ug/l	91
69) o-Xylene	12.269	106	3103	0.624	ug/l	87
71) Bromoform	12.722	173	727	0.321	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	107082	25.308	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	107082	105.505	ug/l #	10
95) Naphthalene	15.504	128	2619	0.424	ug/l #	79

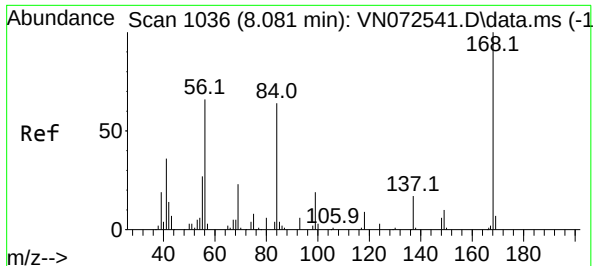
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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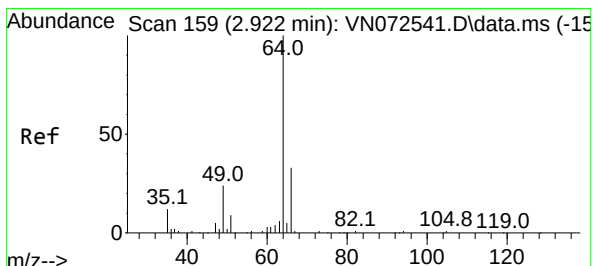
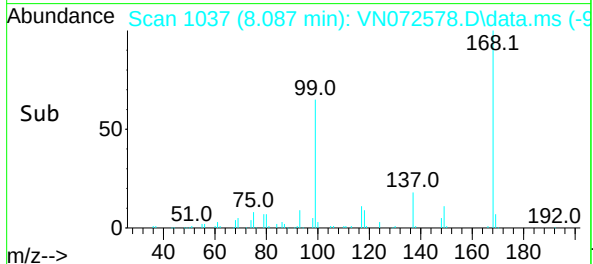
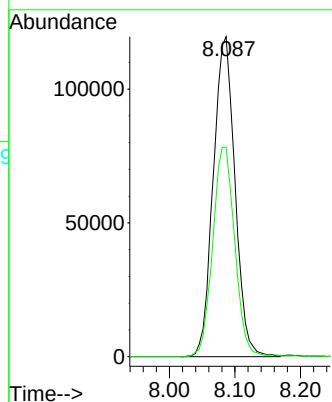
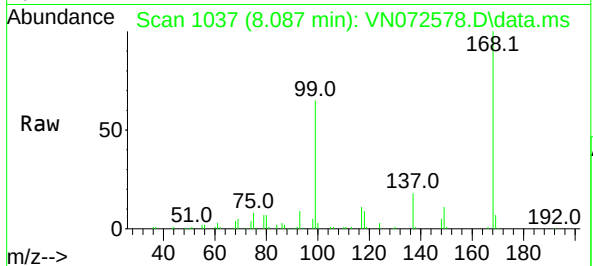




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

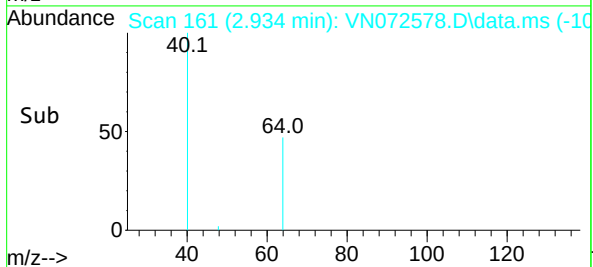
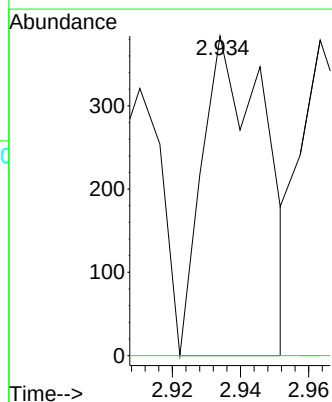
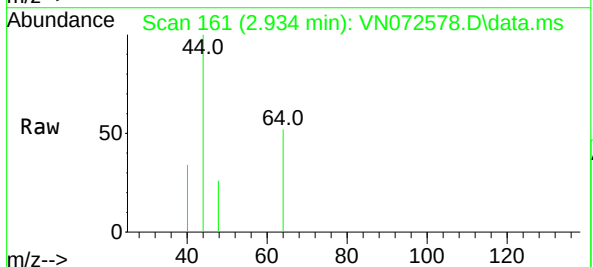
Instrument :
MSVOA_N
ClientSampleId :
31508

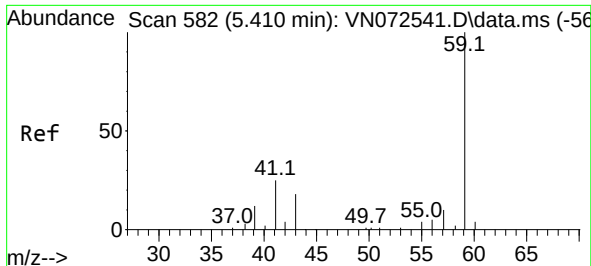
Tgt Ion:168 Resp: 274792
Ion Ratio Lower Upper
168 100
99 65.4 42.3 63.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 161
Delta R.T. 0.012 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion: 64 Resp: 494
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.474 ug/l

RT: 5.446 min Scan# 588

Delta R.T. 0.036 min

Lab File: VN072578.D

Acq: 20 May 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

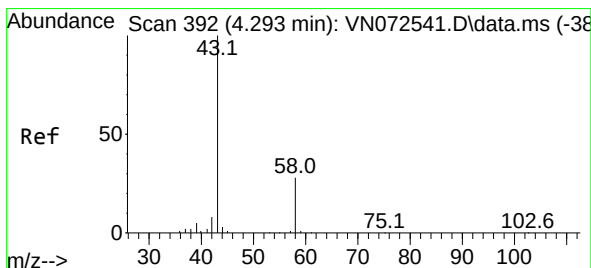
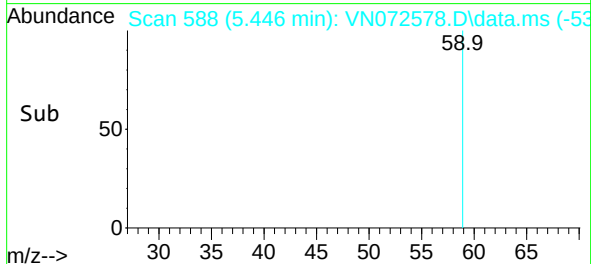
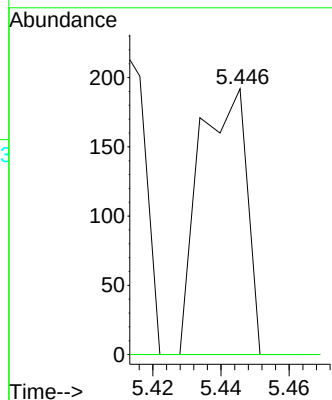
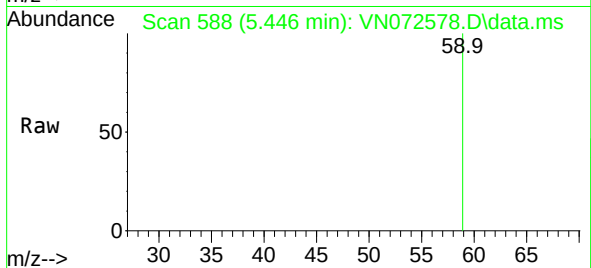
31508

Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 28.830 ug/l

RT: 4.293 min Scan# 392

Delta R.T. -0.000 min

Lab File: VN072578.D

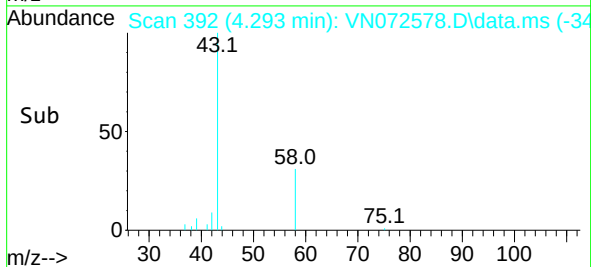
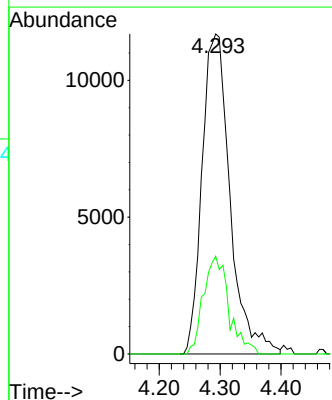
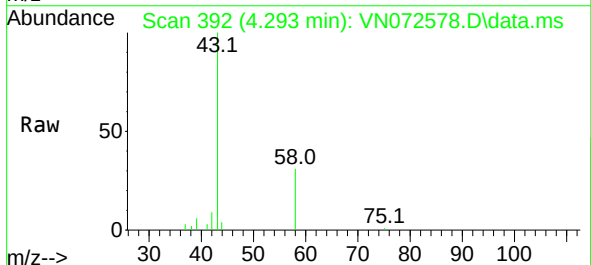
Acq: 20 May 2022 15:36

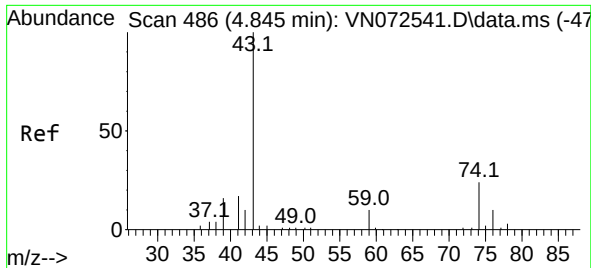
Tgt Ion: 43 Resp: 37311

Ion Ratio Lower Upper

43 100

58 30.5 26.0 39.0

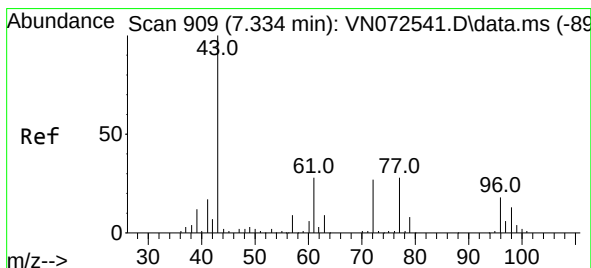
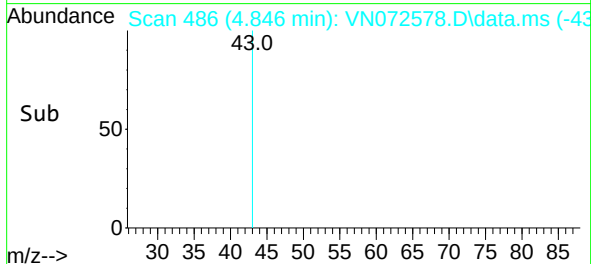
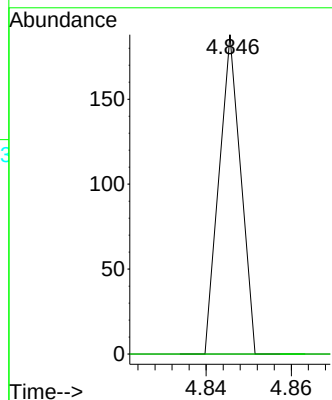
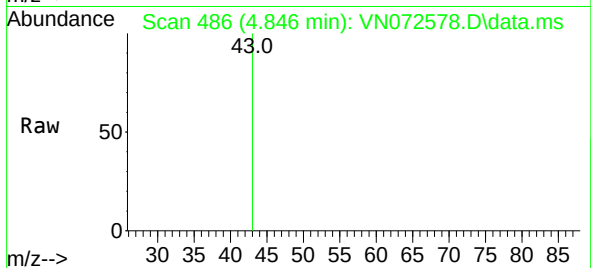




#18
Methyl Acetate
Concen: 0.297 ug/l
RT: 4.846 min Scan# 41
Delta R.T. 0.001 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

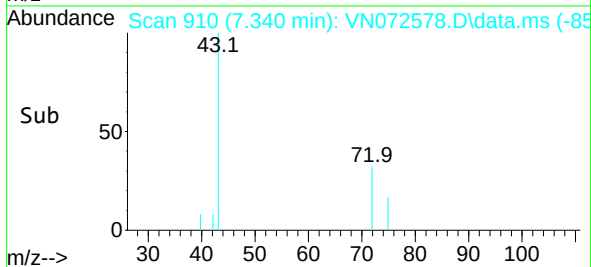
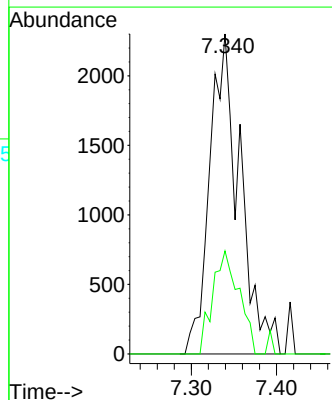
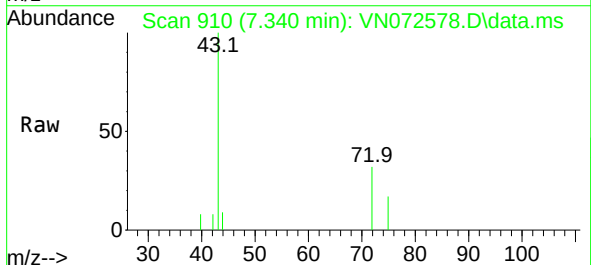
Instrument :
MSVOA_N
ClientSampleId :
31508

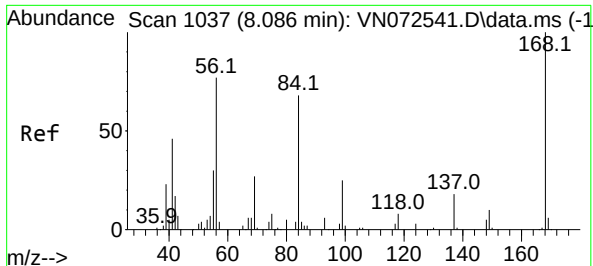
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 2.787 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
72 32.2 23.7 35.5

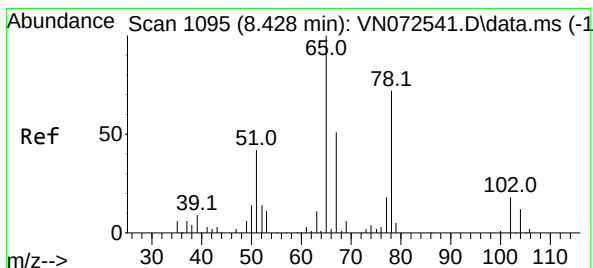
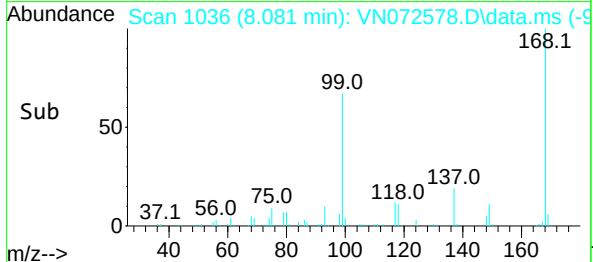
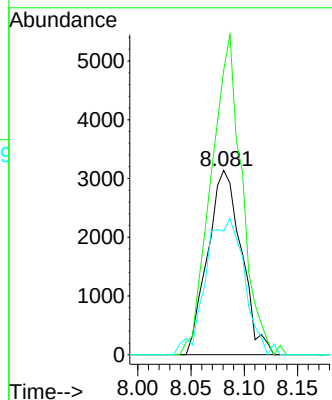
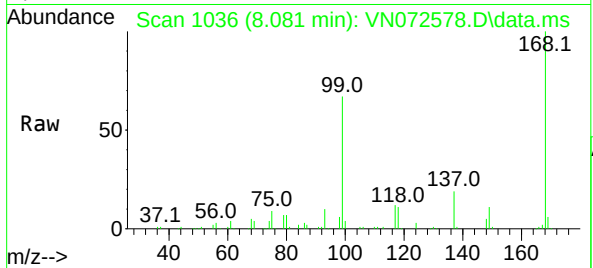




#31
Cyclohexane
Concen: 1.455 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

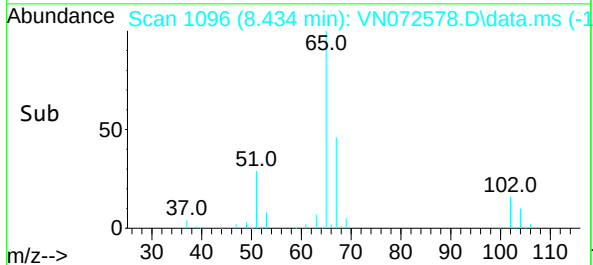
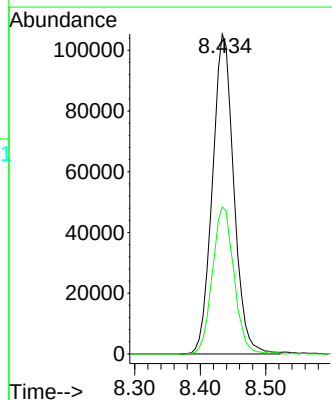
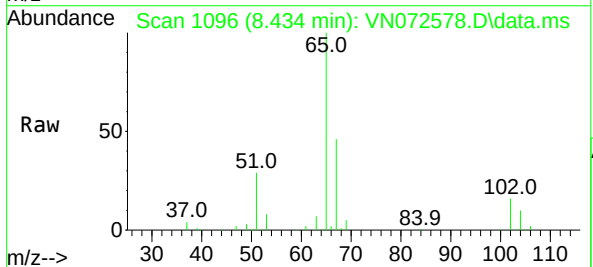
Instrument :
MSVOA_N
ClientSampleId :
31508

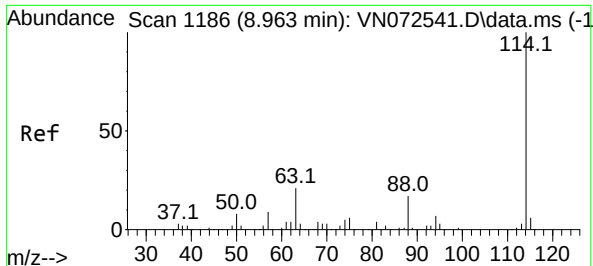
Tgt Ion: 56 Resp: 6903
Ion Ratio Lower Upper
56 100
69 154.2 27.8 41.8#
84 67.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 55.774 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion: 65 Resp: 238127
Ion Ratio Lower Upper
65 100
67 46.3 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: VN072578.D

Acq: 20 May 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

31508

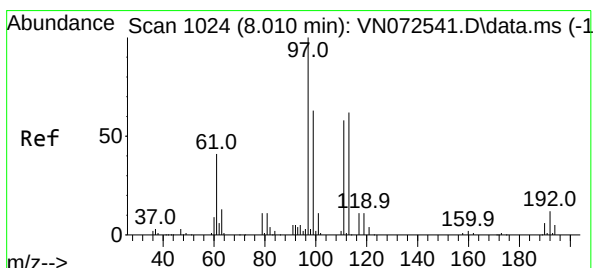
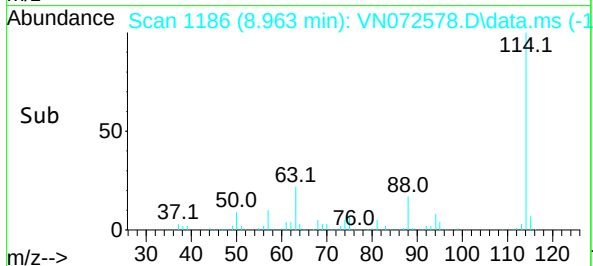
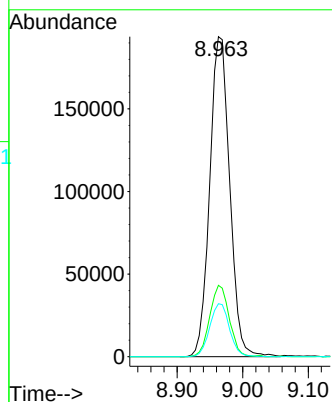
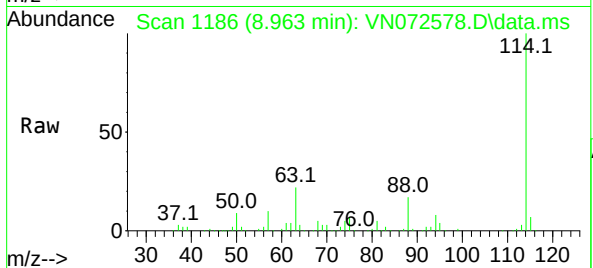
Tgt Ion:114 Resp: 409801

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 58.154 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.012 min

Lab File: VN072578.D

Acq: 20 May 2022 15:36

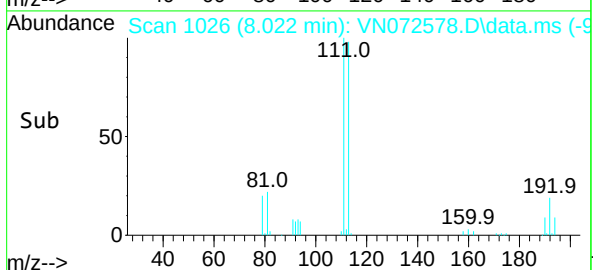
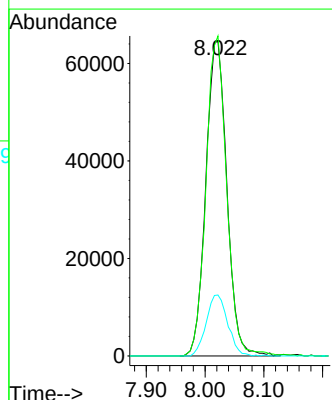
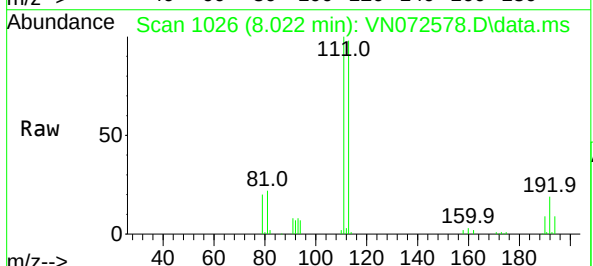
Tgt Ion:113 Resp: 160799

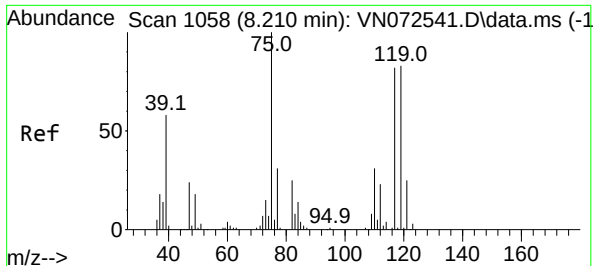
Ion Ratio Lower Upper

113 100

111 99.8 81.4 122.0

192 19.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.852 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN072578.D

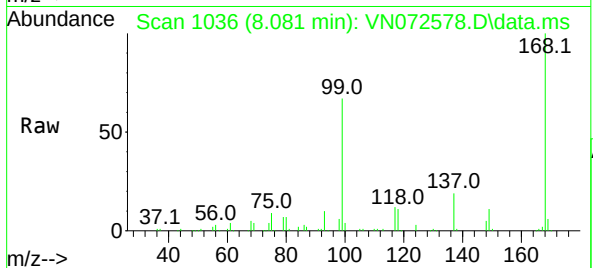
Acq: 20 May 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

31508



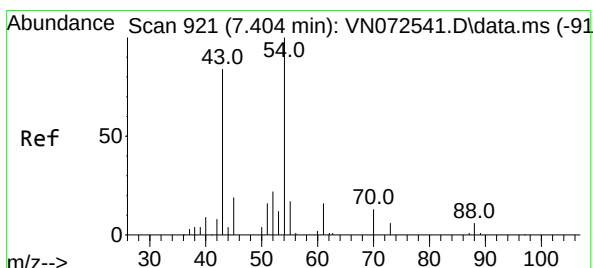
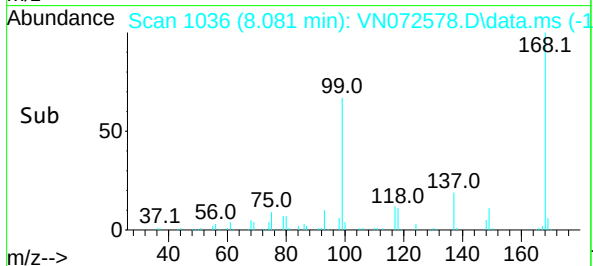
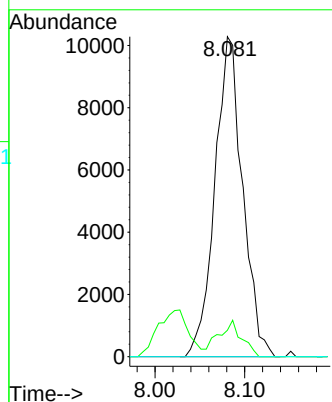
Tgt Ion: 75 Resp: 22030

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.371 ug/l

RT: 7.340 min Scan# 910

Delta R.T. -0.064 min

Lab File: VN072578.D

Acq: 20 May 2022 15:36

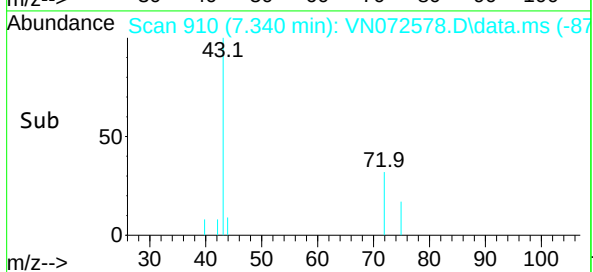
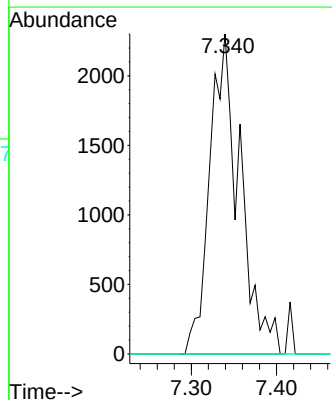
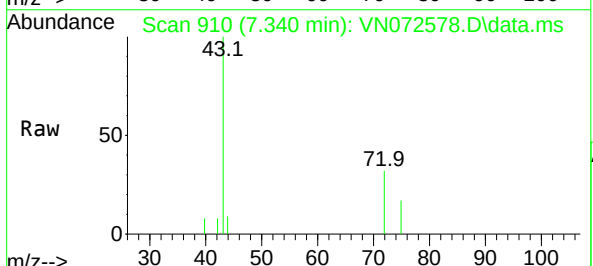
Tgt Ion: 43 Resp: 5672

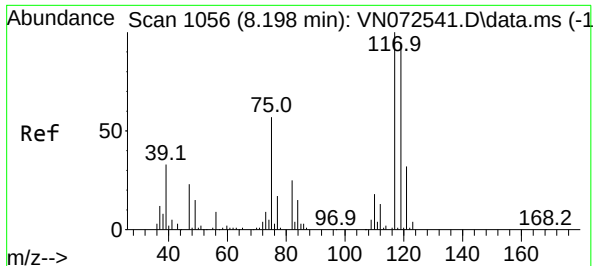
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

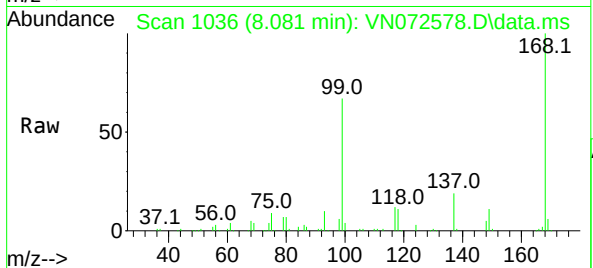
70 0.0 9.3 13.9#



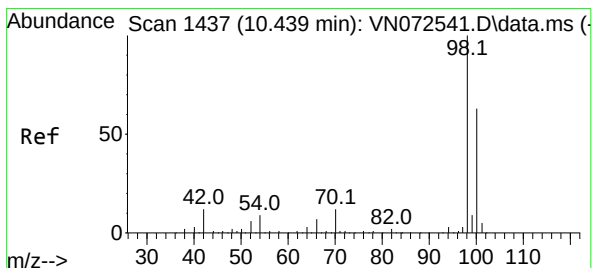
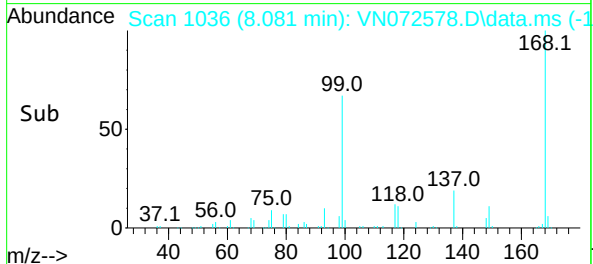
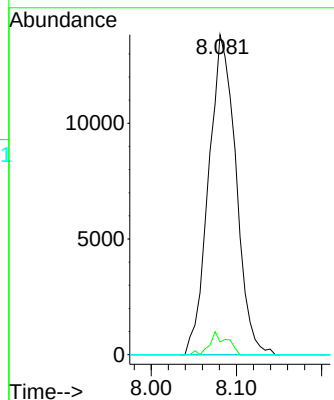


#38
Carbon Tetrachloride
Concen: 6.608 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.117 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :
31508

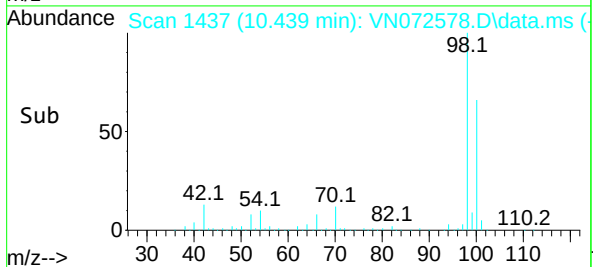
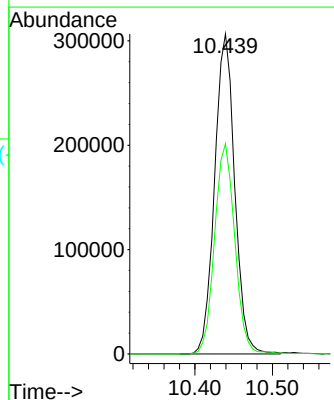
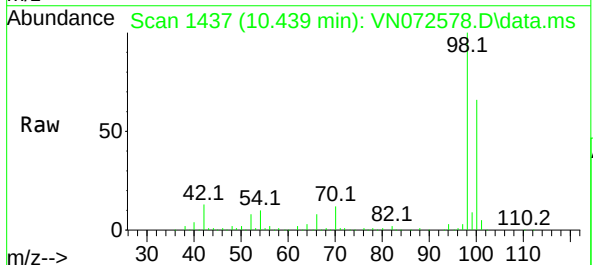


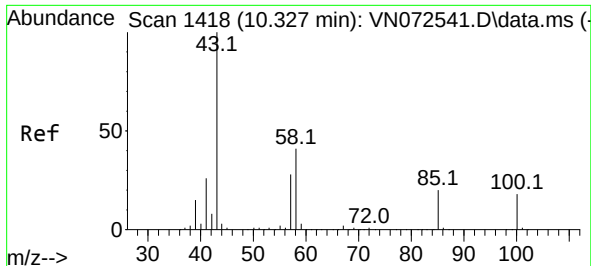
Tgt Ion:117 Resp: 30790
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 52.831 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion: 98 Resp: 552951
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

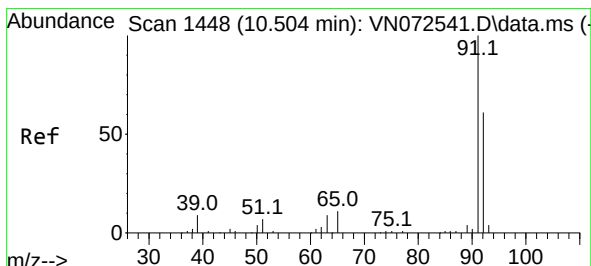
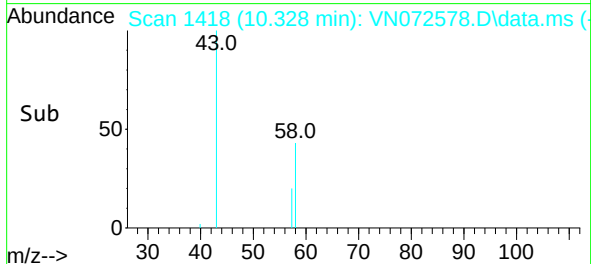
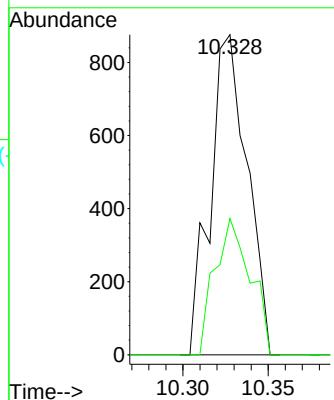
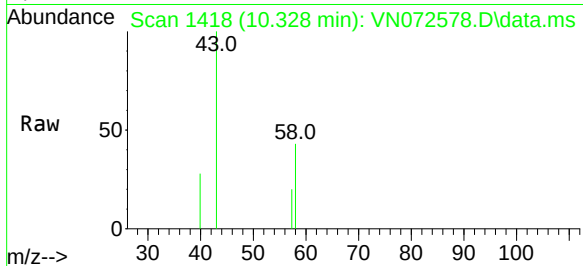




#51
4-Methyl-2-Pentanone
Concen: 0.300 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

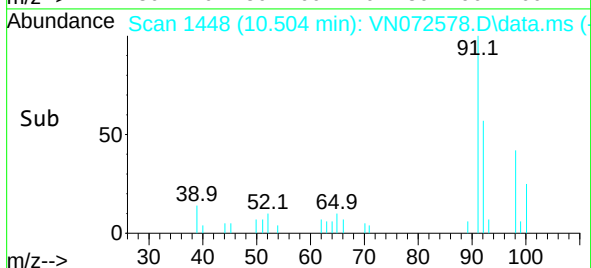
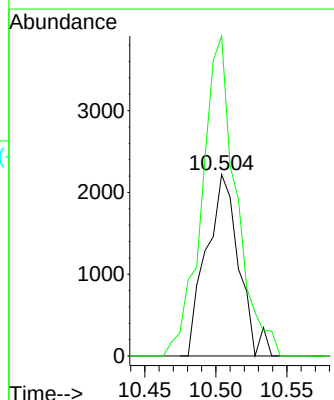
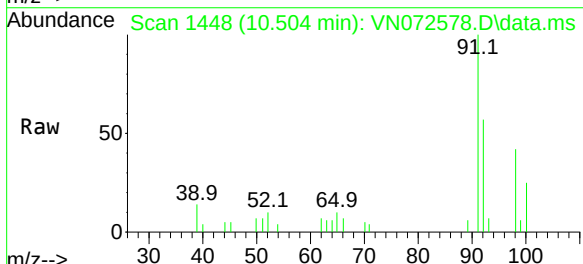
Instrument :
MSVOA_N
ClientSampleId :
31508

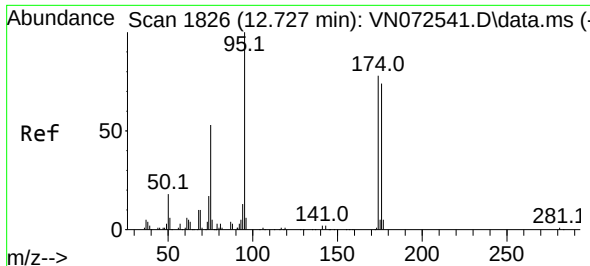
Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
58 41.0 34.1 51.1



#52
Toluene
Concen: 0.493 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion: 92 Resp: 3519
Ion Ratio Lower Upper
92 100
91 186.9 138.6 207.8

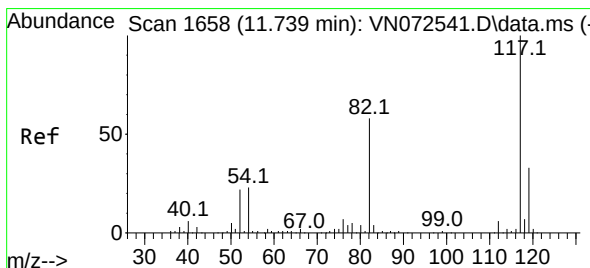
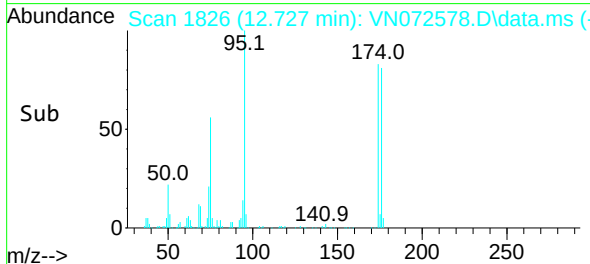
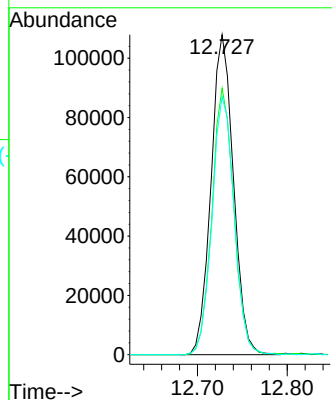
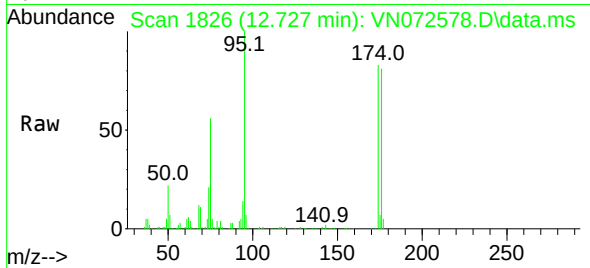




#62
4-Bromofluorobenzene
Concen: 47.101 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

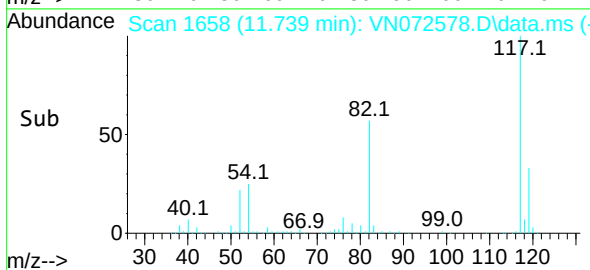
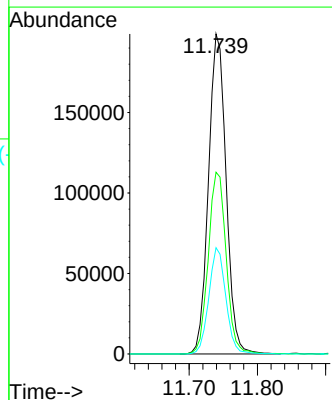
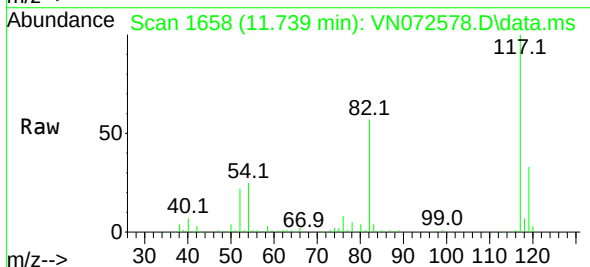
Instrument :
MSVOA_N
ClientSampleId :
31508

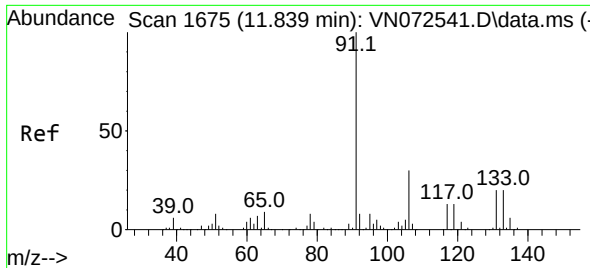
Tgt Ion: 95 Resp: 187258
Ion Ratio Lower Upper
95 100
174 81.3 0.0 167.6
176 79.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion: 117 Resp: 357731
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 33.2 25.4 38.0

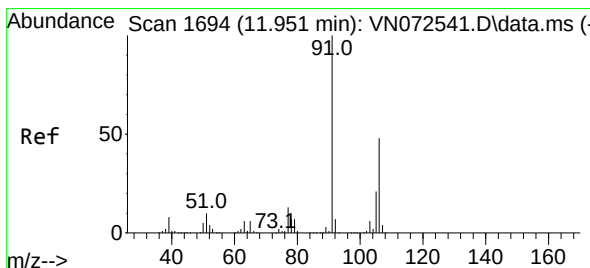
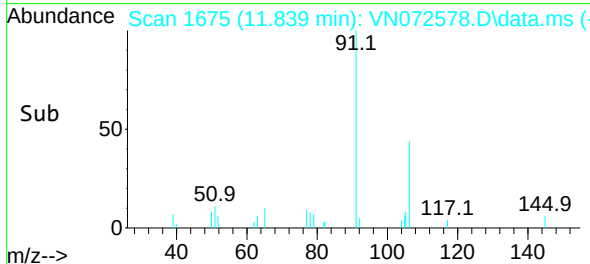
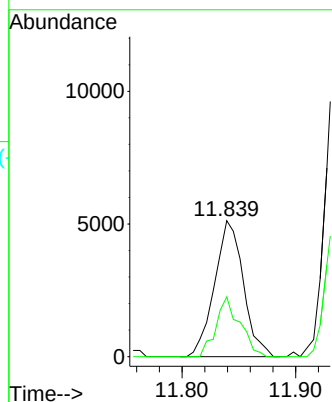
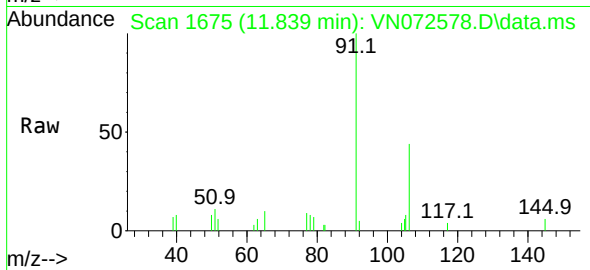




#67
Ethyl Benzene
Concen: 0.712 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

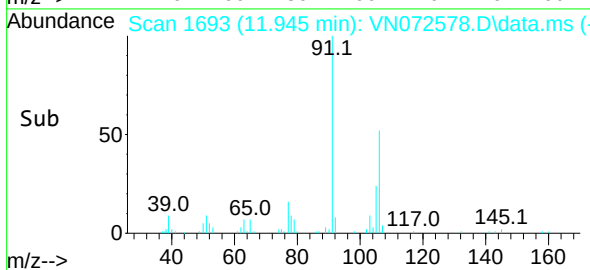
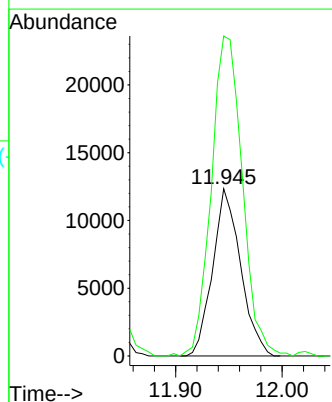
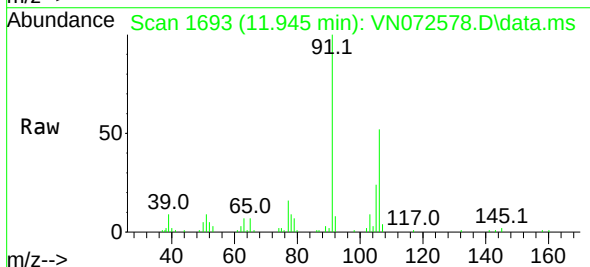
Instrument :
MSVOA_N
ClientSampleId :
31508

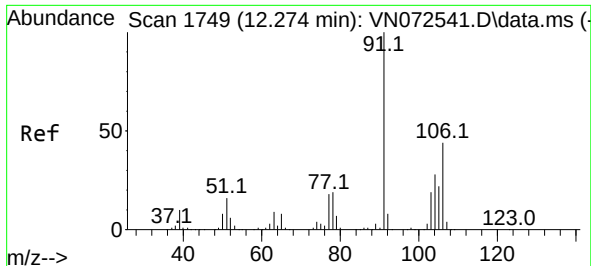
Tgt Ion: 91 Resp: 9032
Ion Ratio Lower Upper
91 100
106 44.0 24.9 37.3#



#68
m/p-Xylenes
Concen: 4.603 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion:106 Resp: 22484
Ion Ratio Lower Upper
106 100
91 212.5 158.9 238.3

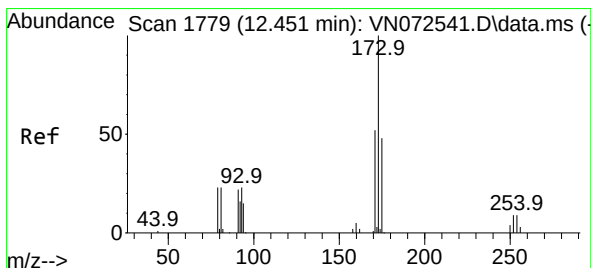
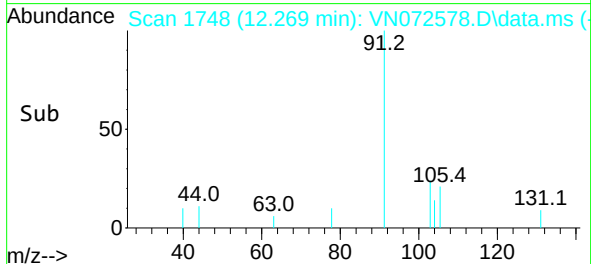
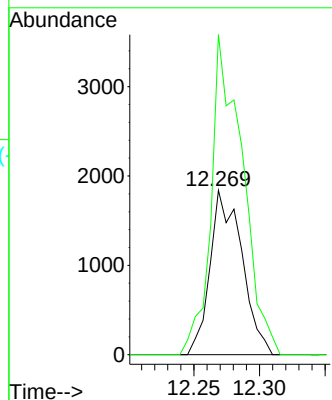
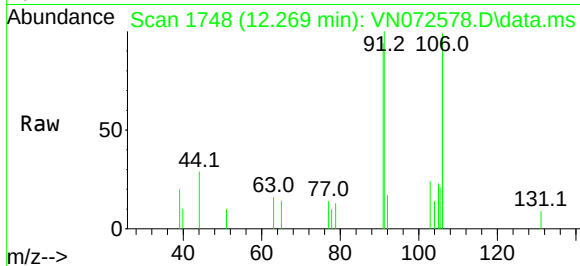




#69
o-Xylene
Concen: 0.624 ug/l
RT: 12.269 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

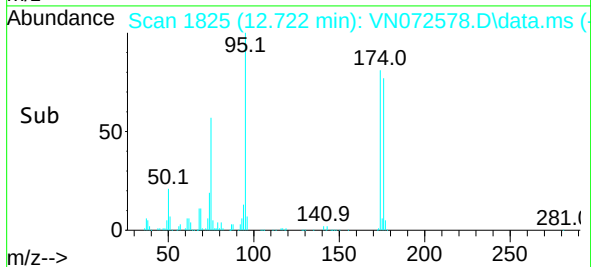
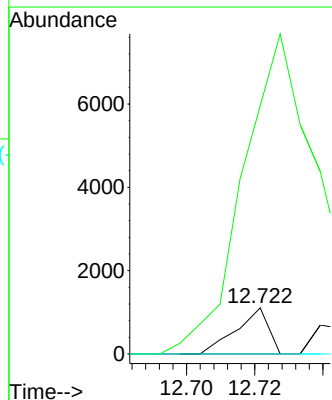
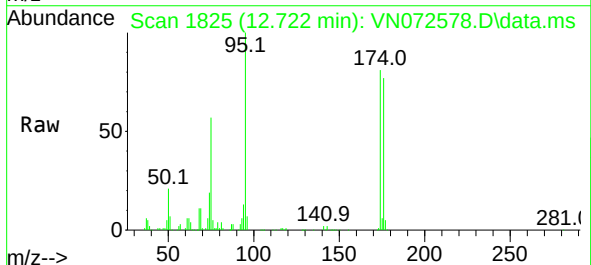
Instrument :
MSVOA_N
ClientSampleId :
31508

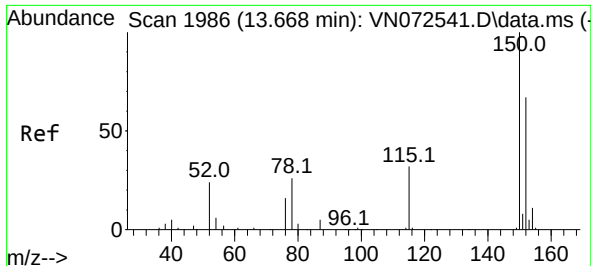
Tgt Ion:106 Resp: 3103
Ion Ratio Lower Upper
106 100
91 191.6 106.0 318.0



#71
Bromoform
Concen: 0.321 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion:173 Resp: 727
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

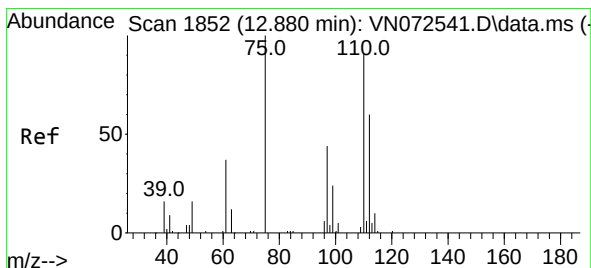
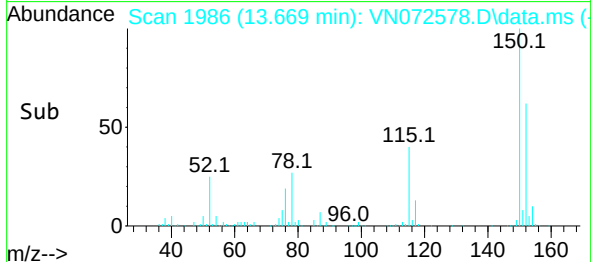
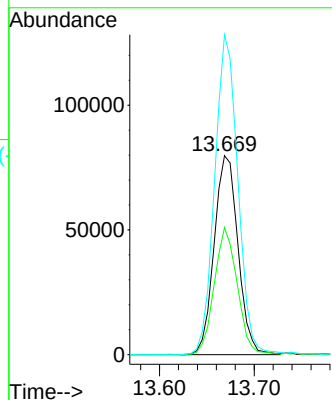
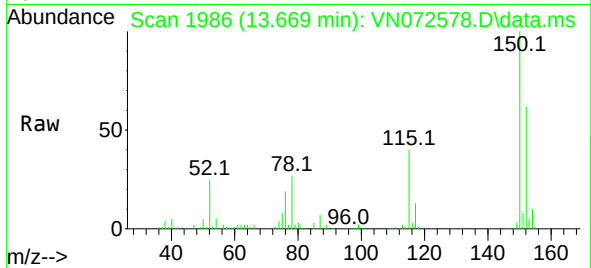




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN072578.D
 Acq: 20 May 2022 15:36

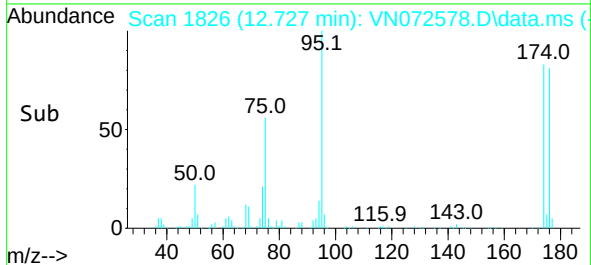
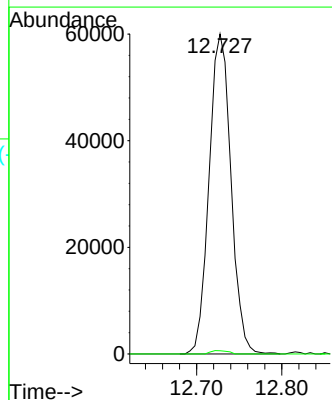
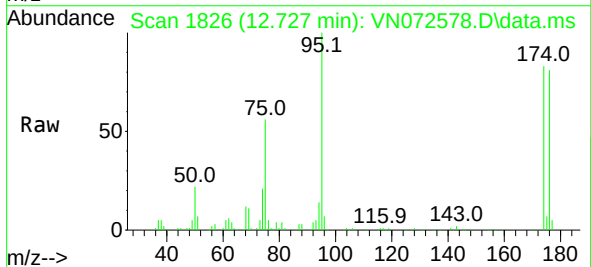
Instrument :
 MSVOA_N
 ClientSampleId :
 31508

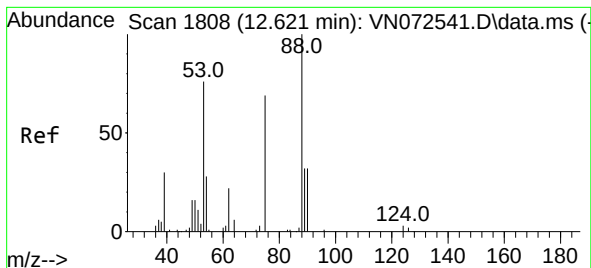
Tgt Ion:152 Resp: 140066
 Ion Ratio Lower Upper
 152 100
 115 61.6 28.9 86.7
 150 155.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.308 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.153 min
 Lab File: VN072578.D
 Acq: 20 May 2022 15:36

Tgt Ion: 75 Resp: 107082
 Ion Ratio Lower Upper
 75 100
 77 0.8 98.5 295.5#

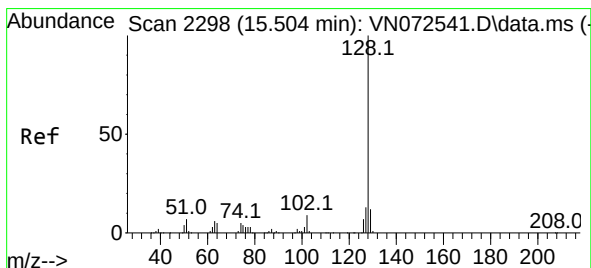
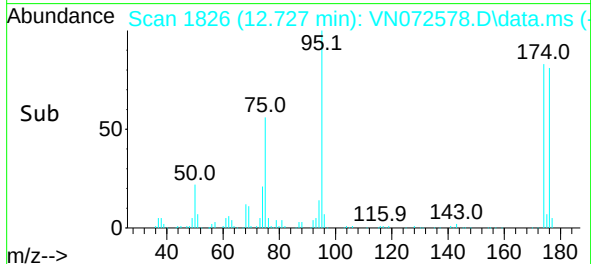
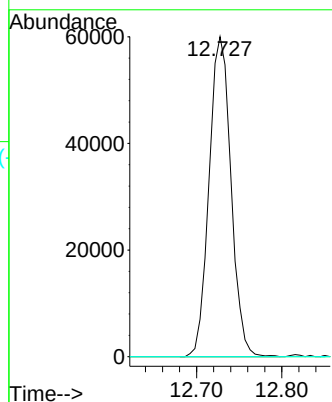
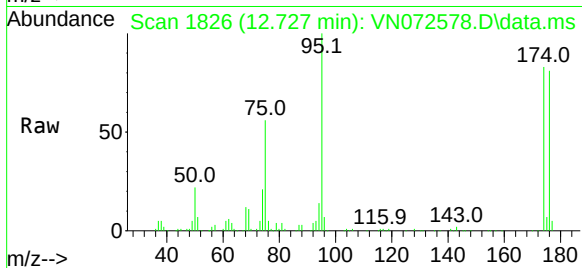




#81
trans-1,4-Dichloro-2-butene
Concen: 105.505 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :
31508

Tgt Ion: 75 Resp: 107082
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.424 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN072578.D
Acq: 20 May 2022 15:36

Tgt Ion: 128 Resp: 2619
Ion Ratio Lower Upper
128 100
127 4.7 10.3 15.5#
129 2.4 8.6 13.0#

