

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
 Data File : VX031464.D
 Acq On : 19 Sep 2022 16:51
 Operator : JC/MD
 Sample : N4509-11RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_114D-20220902RE

Quant Time: Sep 20 09:49:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

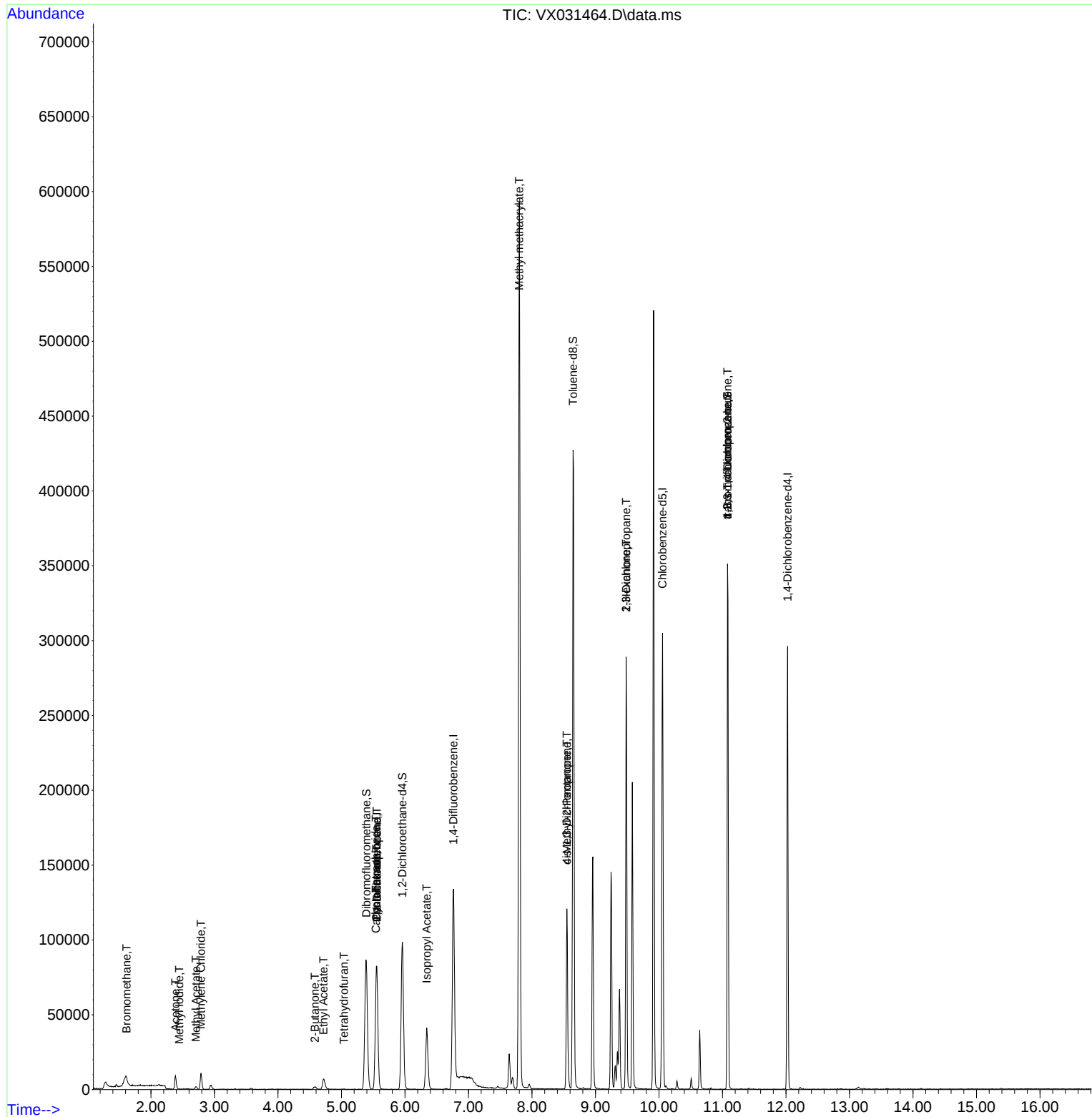
Internal Standards						
1) Pentafluorobenzene	5.556	168	78972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87112	60.257	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.520%			
35) Dibromofluoromethane	5.391	113	72520	54.470	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.940%			
50) Toluene-d8	8.647	98	250525	48.759	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.520%			
62) 4-Bromofluorobenzene	11.079	95	78907	45.339	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.680%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	611	0.250	ug/l	94
6) Chloroethane	1.697	64	146	Below Cal	#	43
10) Methyl Iodide	2.447	142	247	0.201	ug/l #	59
11) Tert butyl alcohol	2.947	59	1689	Below Cal	#	73
13) Acrolein	2.209	56	75	Below Cal	#	49
16) Acetone	2.386	43	9465	3.032	ug/l #	84
18) Methyl Acetate	2.709	43	2190	1.012	ug/l	94
20) Methylene Chloride	2.788	84	4587	1.266	ug/l	93
25) 2-Butanone	4.581	43	1724	1.542	ug/l	93
29) Tetrahydrofuran	5.038	42	183	0.251	ug/l #	62
31) Cyclohexane	5.550	56	2026	0.943	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	6274	3.061	ug/l #	49
37) Ethyl Acetate	4.715	43	12319	5.037	ug/l	99
38) Carbon Tetrachloride	5.544	117	7717	3.396	ug/l #	15
43) Isopropyl Acetate	6.342	43	53815	14.318	ug/l	99
48) Methyl methacrylate	7.799	41	50969	29.682	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	41486	17.161	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	17996	7.147	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	2326	0.862	ug/l #	43
59) 2-Hexanone	9.482	43	32123	17.693	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.073	83	118	Below Cal	#	15
76) 1,2,3-Trichloropropane	11.079	75	46165	36.619	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	46165	117.908	ug/l #	11

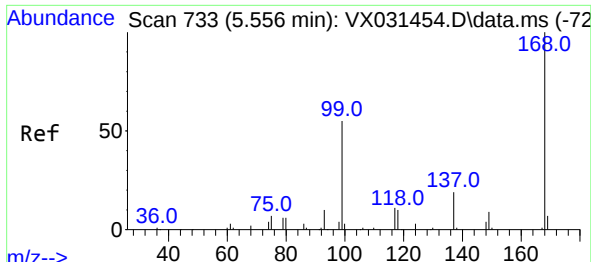
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
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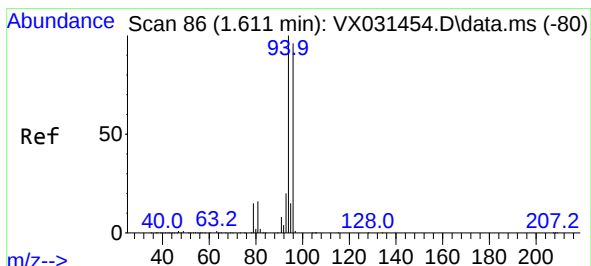
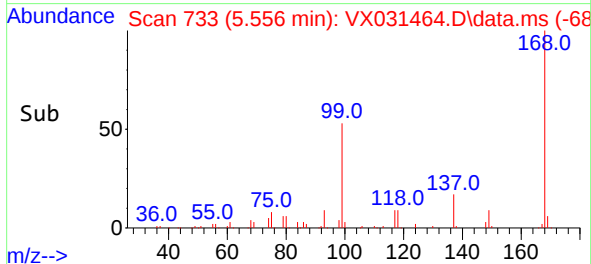
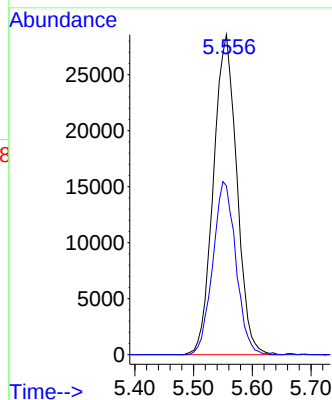
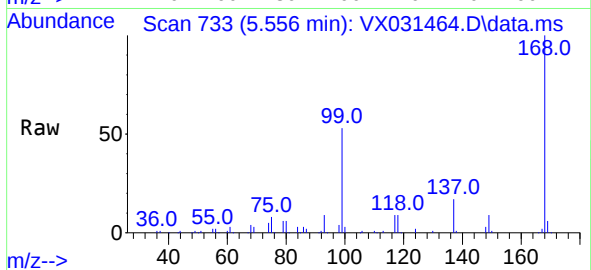




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

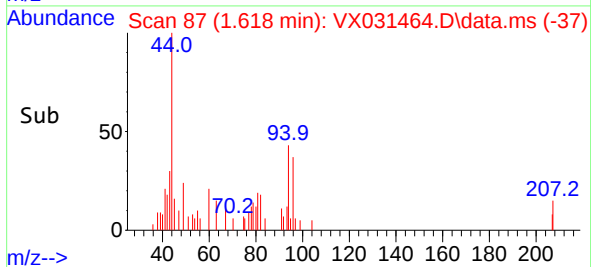
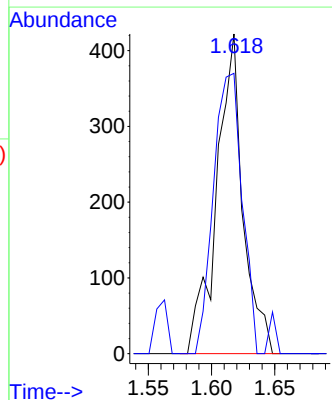
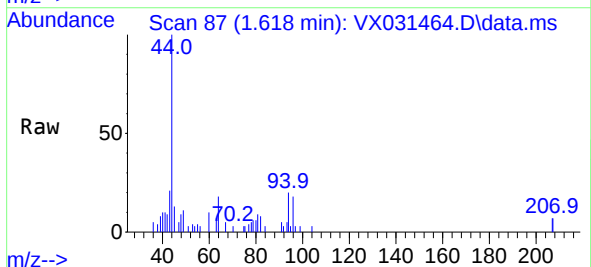
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

Tgt Ion:168 Resp: 78972
Ion Ratio Lower Upper
168 100
99 52.8 48.8 73.2

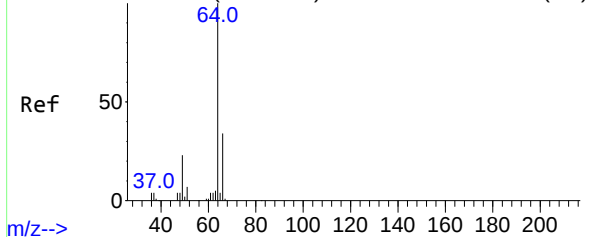


#5
Bromomethane
Concen: 0.250 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

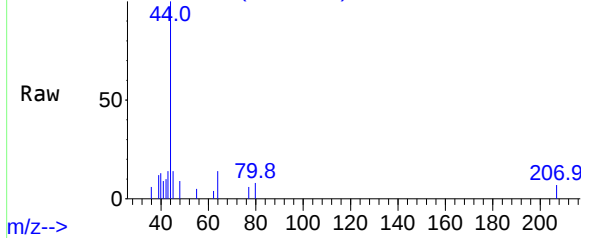
Tgt Ion: 94 Resp: 611
Ion Ratio Lower Upper
94 100
96 87.7 74.4 111.6



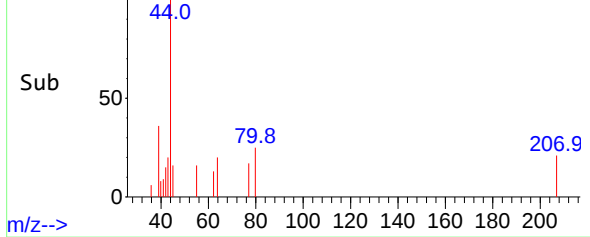
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



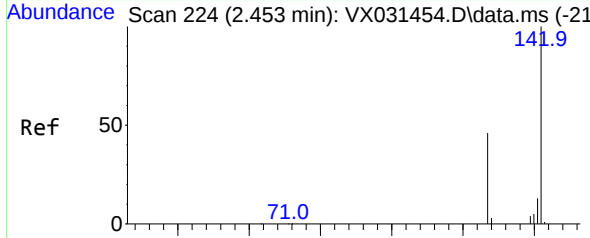
m/z--> Scan 100 (1.697 min): VX031464.D\data.ms



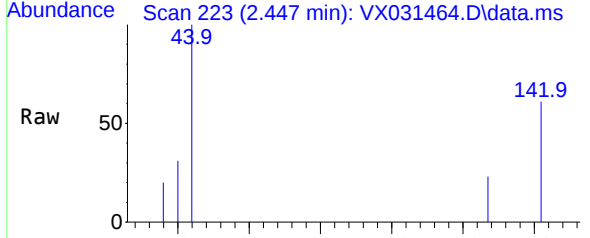
Abundance Scan 100 (1.697 min): VX031464.D\data.ms (-49)



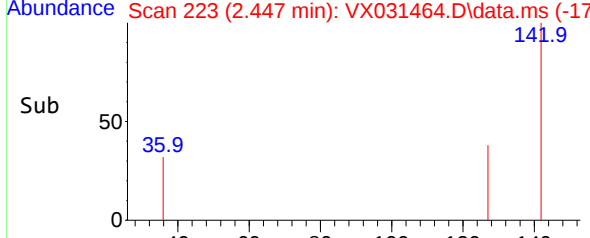
m/z--> Scan 224 (2.453 min): VX031454.D\data.ms (-21)



m/z--> Scan 223 (2.447 min): VX031464.D\data.ms



Abundance Scan 223 (2.447 min): VX031464.D\data.ms (-17)



m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)



m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)

m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)

m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)

m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)

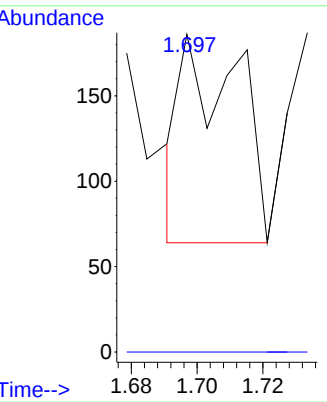
m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)

m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)

m/z--> Scan 223 (2.447 min): VX031464.D\data.ms (-17)

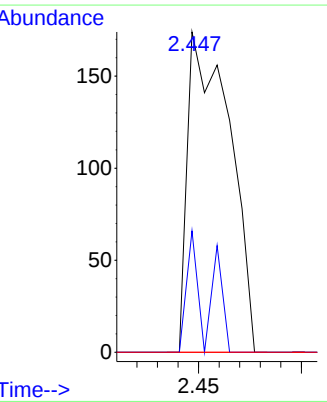
#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

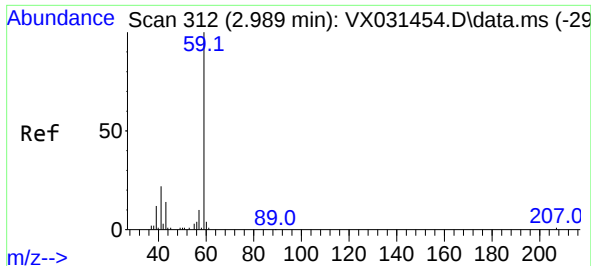
Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 0.201 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 142 Resp: 247
Ion Ratio Lower Upper
142 100
127 18.2 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031464.D

Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

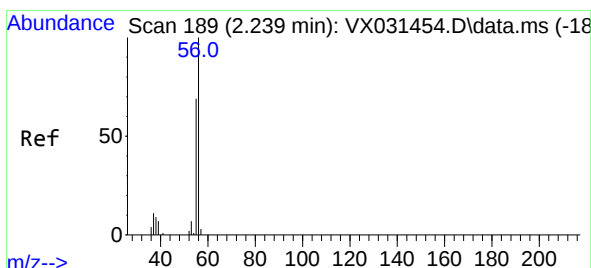
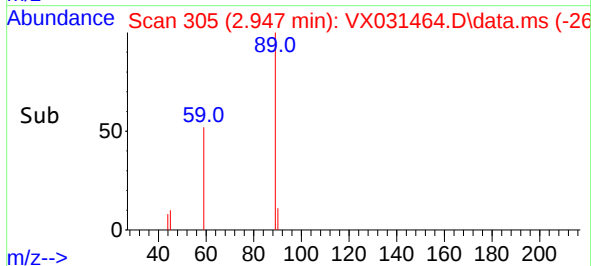
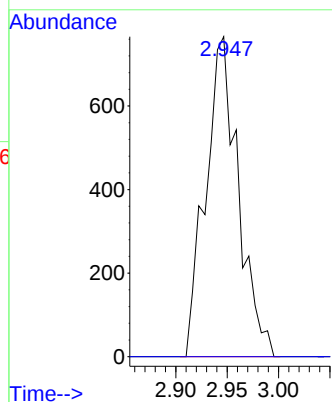
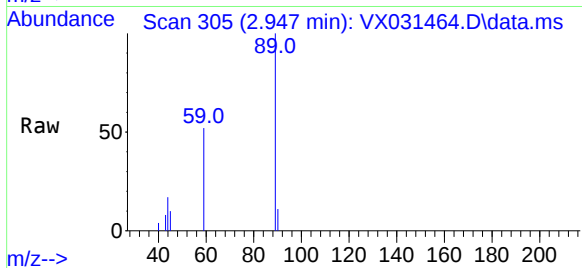
S1-SO_114D-20220902RE

Tgt Ion: 59 Resp: 1689

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 2.209 min Scan# 184

Delta R.T. -0.030 min

Lab File: VX031464.D

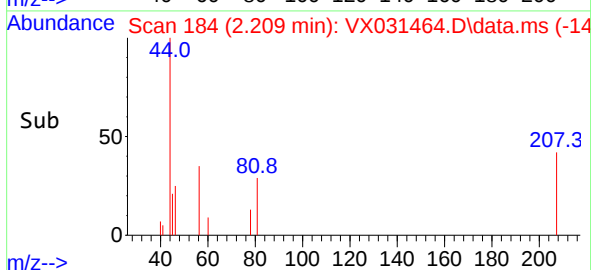
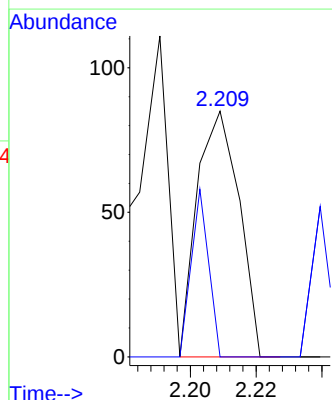
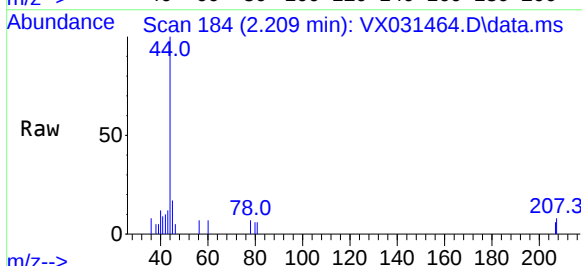
Acq: 19 Sep 2022 16:51

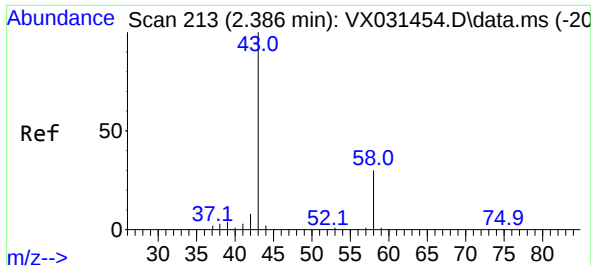
Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 28.0 56.0 84.0#

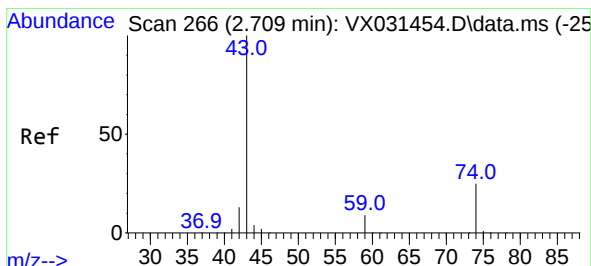
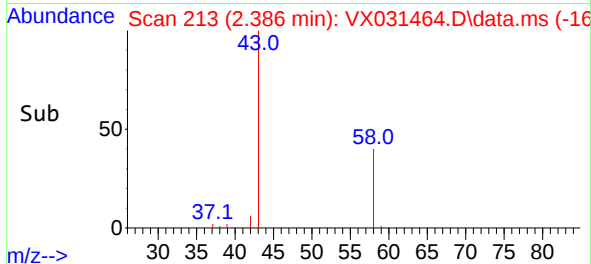
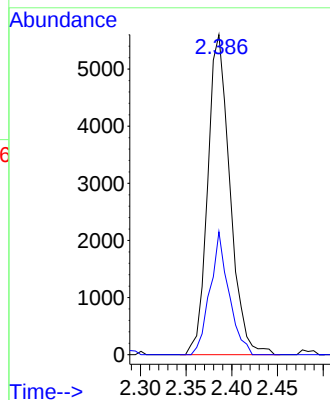
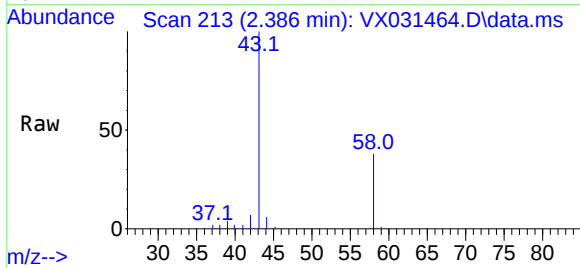




#16
Acetone
Concen: 3.032 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

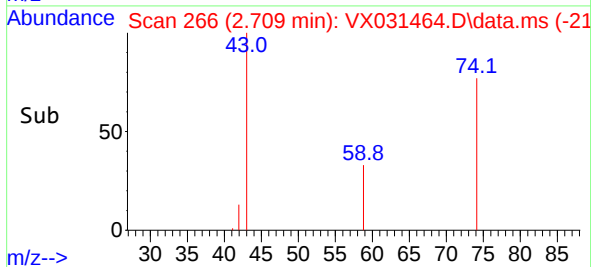
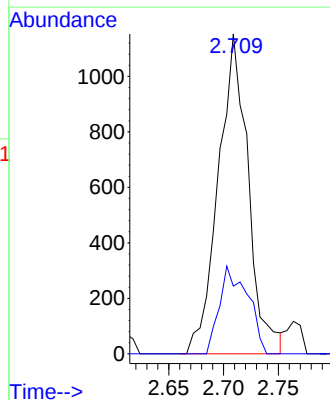
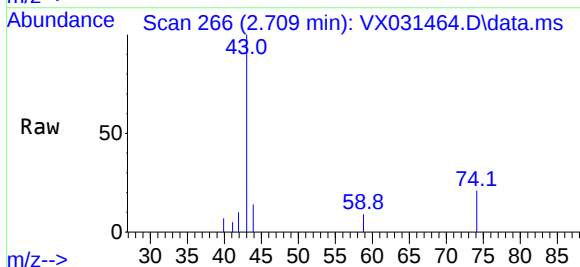
Instrument : MSVOA_X
ClientSampleId : S1-SO_114D-20220902RE

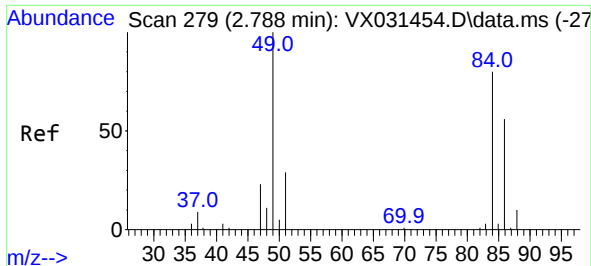
Tgt Ion: 43 Resp: 9465
Ion Ratio Lower Upper
43 100
58 38.4 23.8 35.8#



#18
Methyl Acetate
Concen: 1.012 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 43 Resp: 2190
Ion Ratio Lower Upper
43 100
74 25.9 18.6 27.8



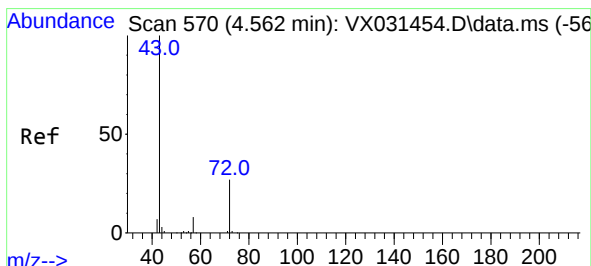
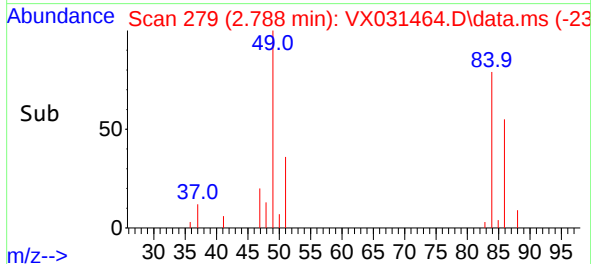
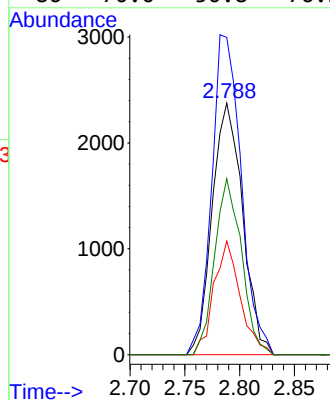
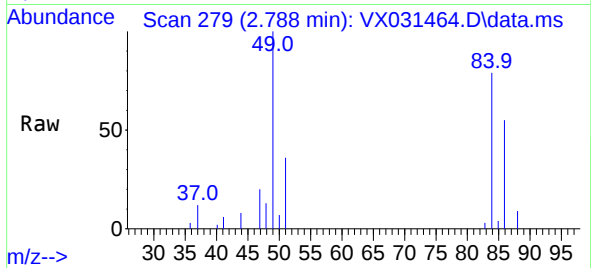


#20
Methylene Chloride
Concen: 1.266 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

Tgt Ion: 84 Resp: 4587

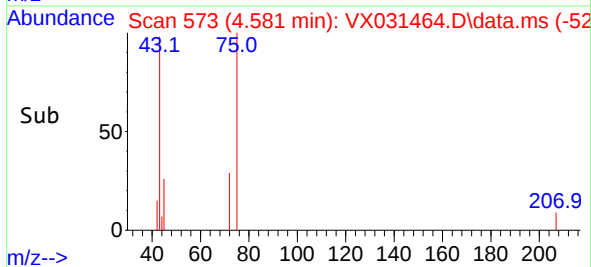
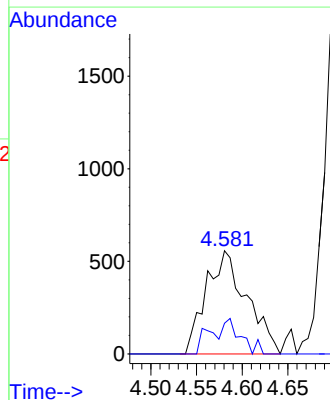
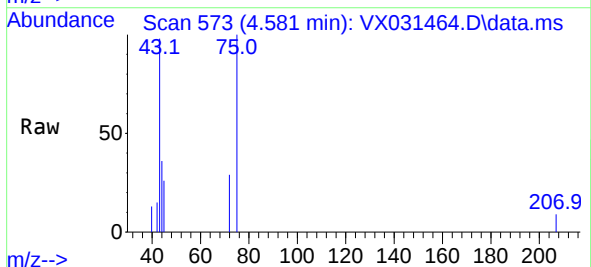
Ion	Ratio	Lower	Upper
84	100		
49	126.1	105.9	158.9
51	45.2	32.2	48.2
86	70.0	50.8	76.2

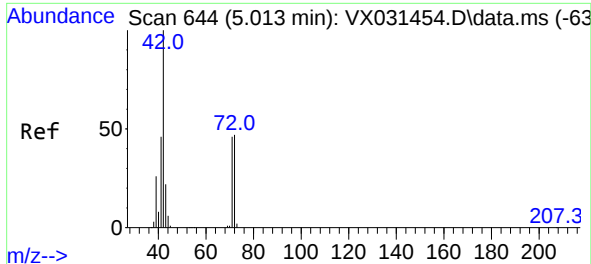


#25
2-Butanone
Concen: 1.542 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 43 Resp: 1724

Ion	Ratio	Lower	Upper
43	100		
72	29.8	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX031464.D

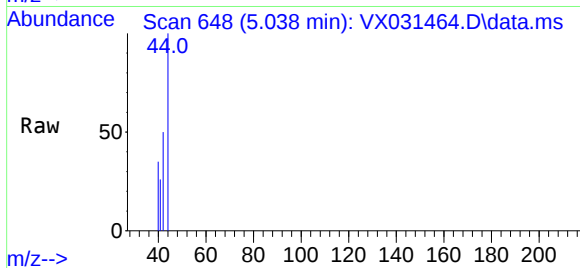
Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_114D-20220902RE



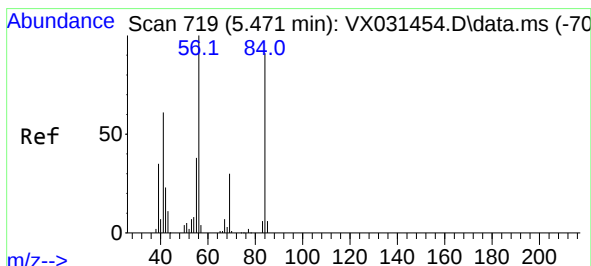
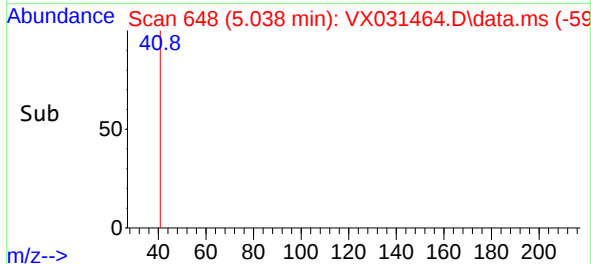
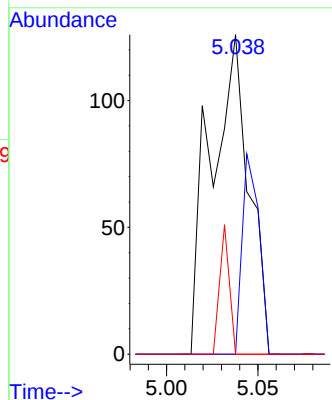
Tgt Ion: 42 Resp: 183

Ion Ratio Lower Upper

42 100

72 27.3 36.4 54.6#

71 10.4 33.5 50.3#



#31

Cyclohexane

Concen: 0.943 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX031464.D

Acq: 19 Sep 2022 16:51

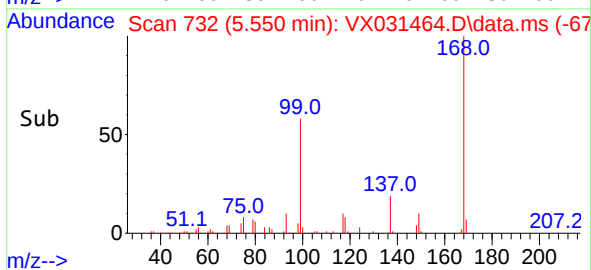
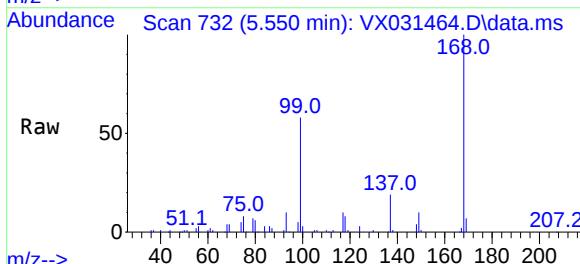
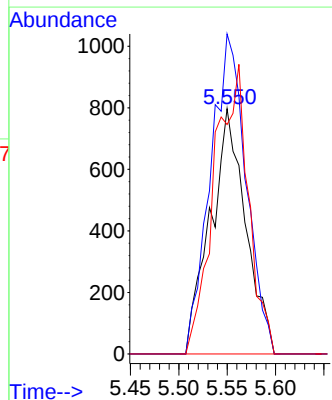
Tgt Ion: 56 Resp: 2026

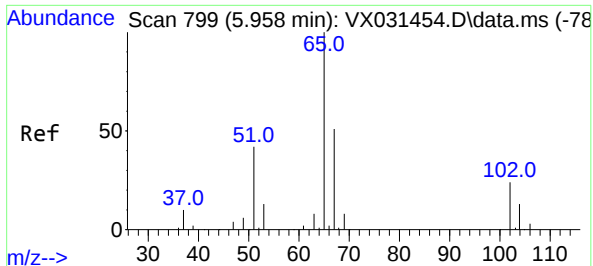
Ion Ratio Lower Upper

56 100

69 130.5 25.1 37.7#

84 93.6 70.2 105.4

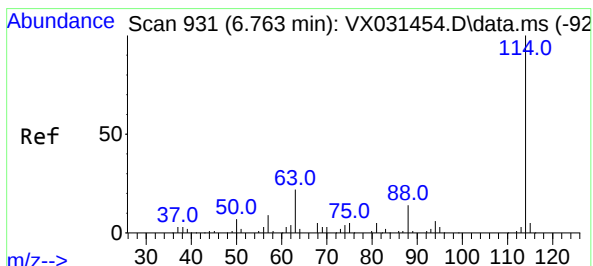
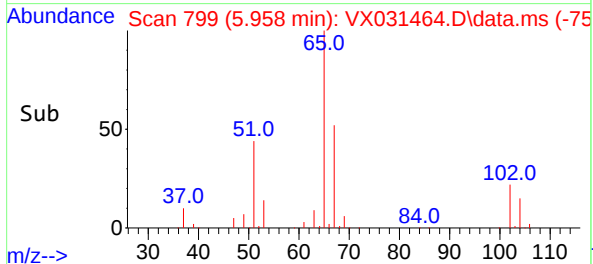
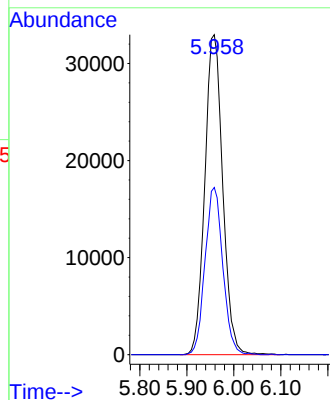
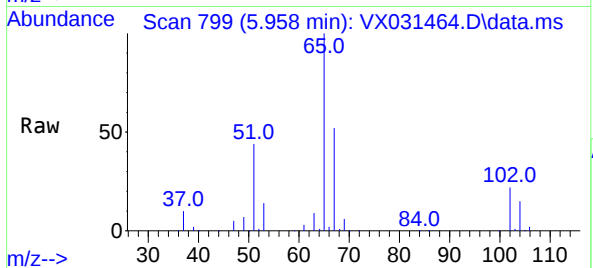




#33
1,2-Dichloroethane-d4
Concen: 60.257 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

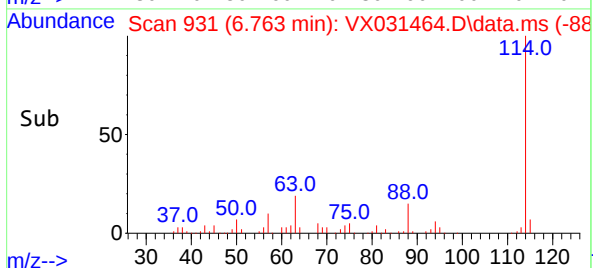
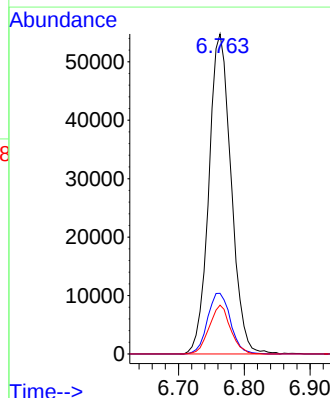
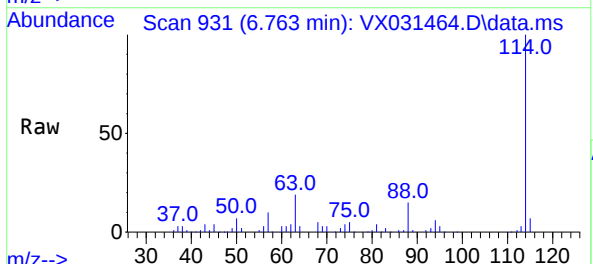
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

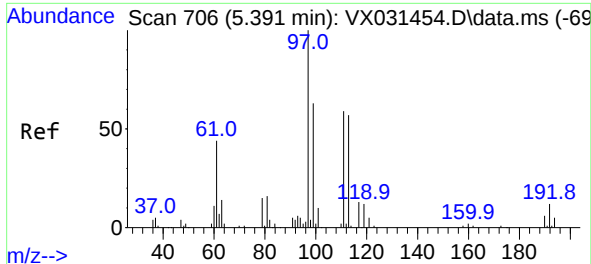
Tgt Ion: 65 Resp: 87112
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 114 Resp: 128962
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.6
88 15.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 54.470 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031464.D

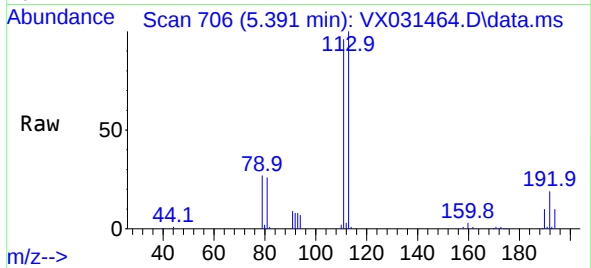
Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_114D-20220902RE



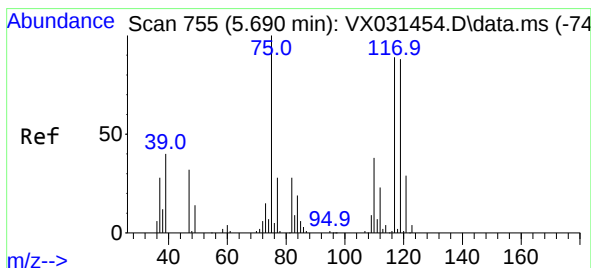
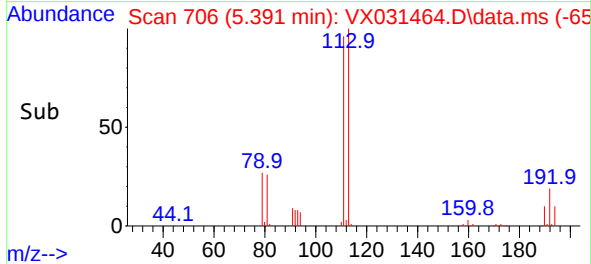
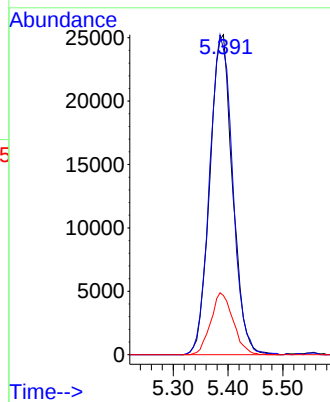
Tgt Ion:113 Resp: 72520

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

192 19.1 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.061 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX031464.D

Acq: 19 Sep 2022 16:51

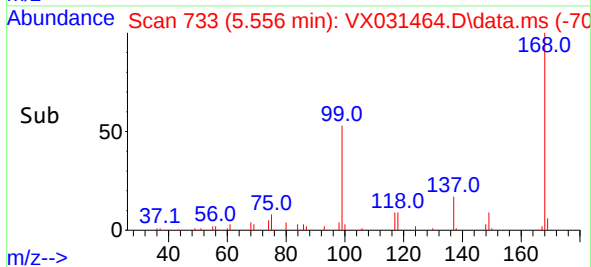
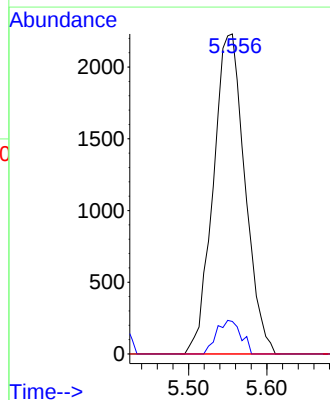
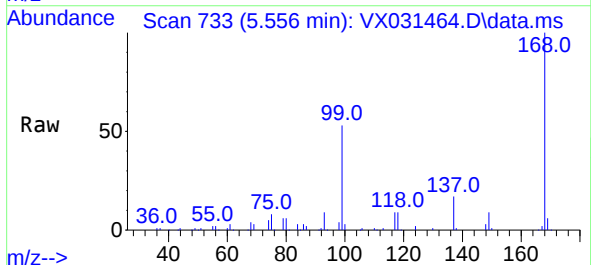
Tgt Ion: 75 Resp: 6274

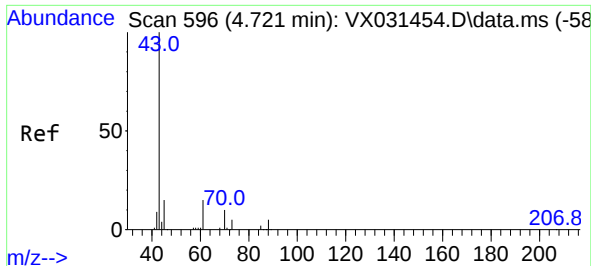
Ion Ratio Lower Upper

75 100

110 8.1 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 5.037 ug/l

RT: 4.715 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX031464.D

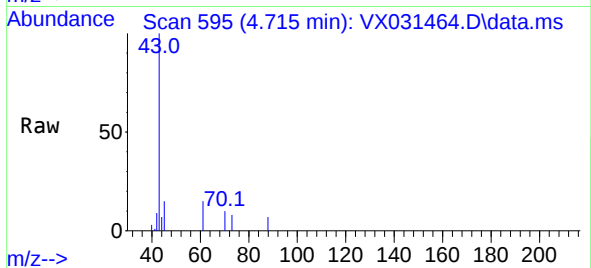
Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_114D-20220902RE



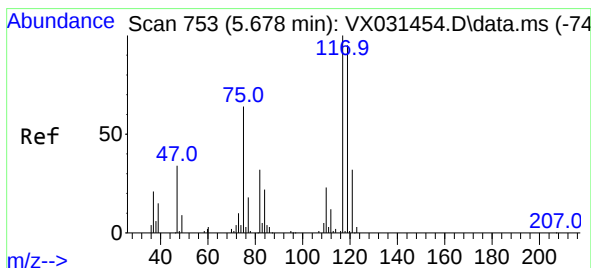
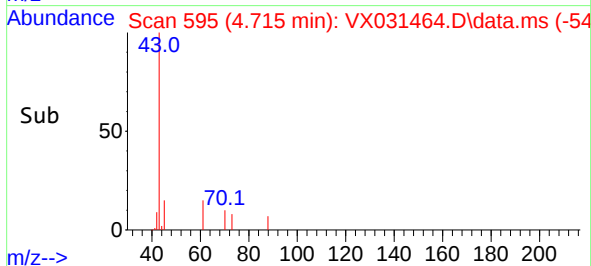
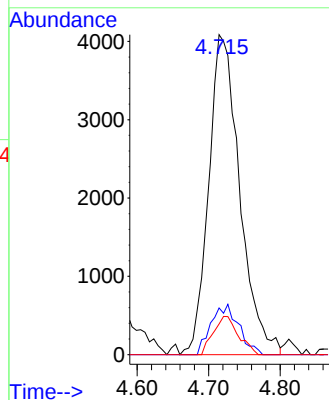
Tgt Ion: 43 Resp: 12319

Ion Ratio Lower Upper

43 100

61 14.0 11.1 16.7

70 9.7 8.6 13.0



#38

Carbon Tetrachloride

Concen: 3.396 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX031464.D

Acq: 19 Sep 2022 16:51

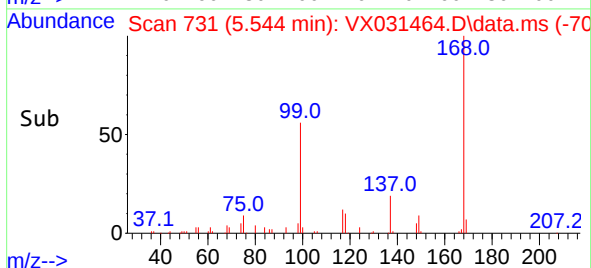
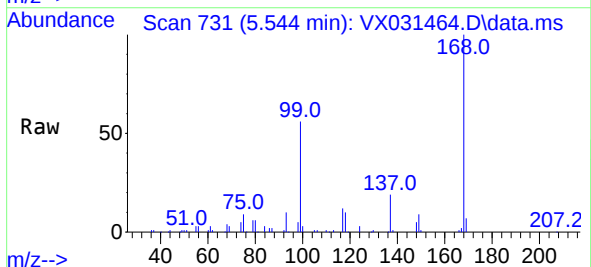
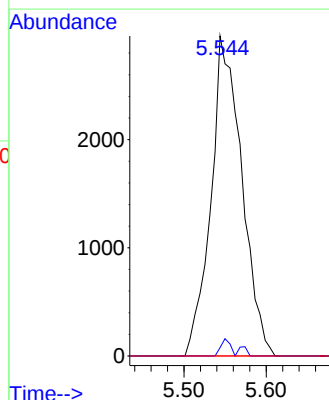
Tgt Ion: 117 Resp: 7717

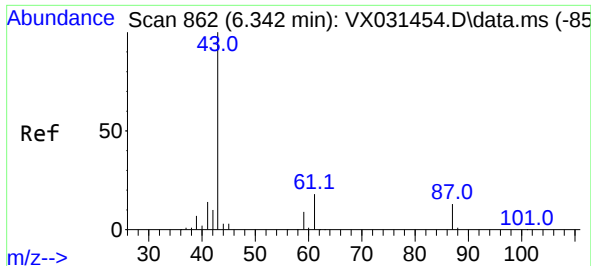
Ion Ratio Lower Upper

117 100

119 2.6 74.6 112.0#

121 0.0 25.3 37.9#

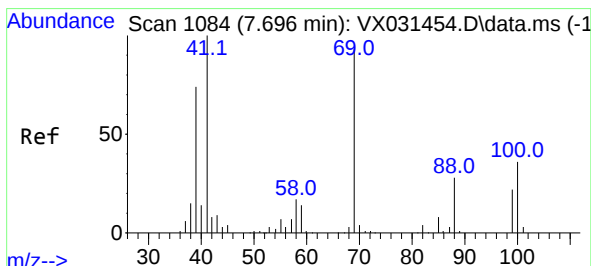
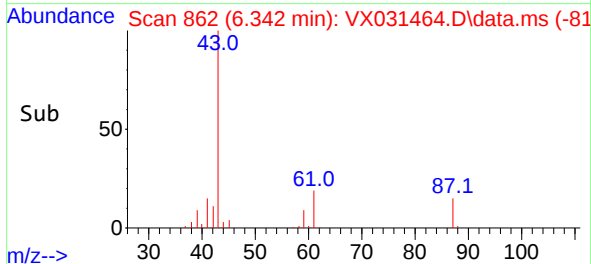
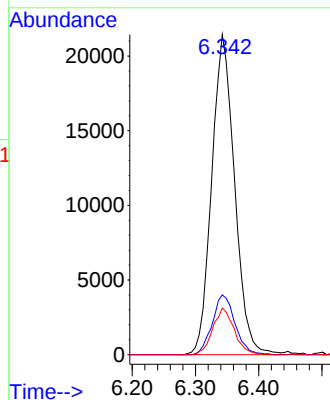
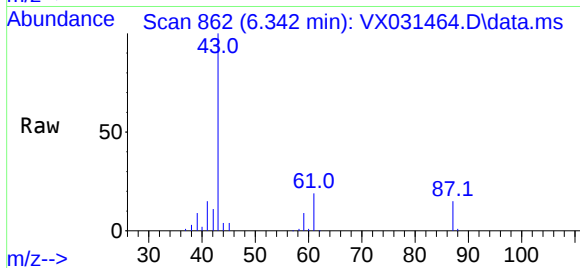




#43
Isopropyl Acetate
Concen: 14.318 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

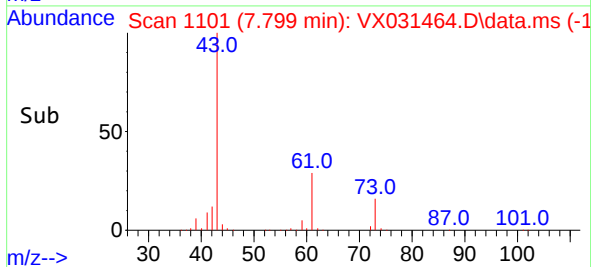
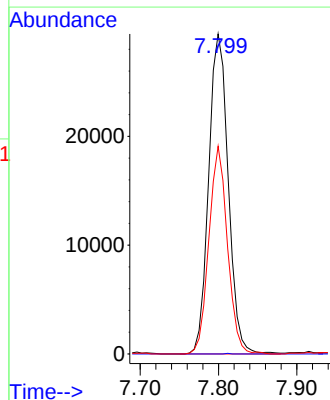
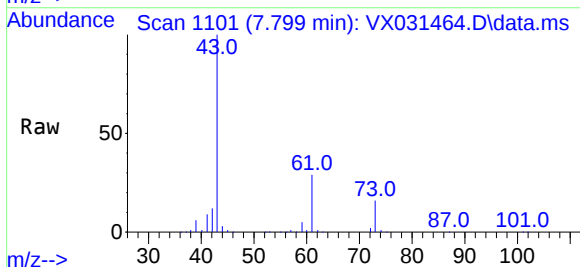
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

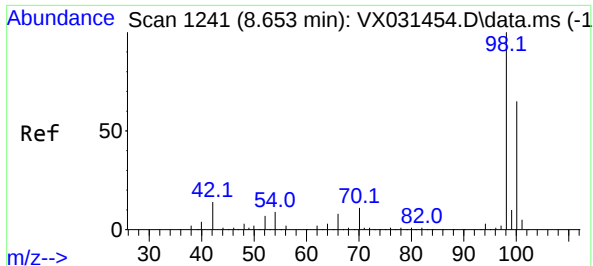
Tgt Ion:	43	Resp:	53815
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.3	22.9
87	13.6	10.6	15.8



#48
Methyl methacrylate
Concen: 29.682 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion:	41	Resp:	50969
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	61.6	51.4	77.0

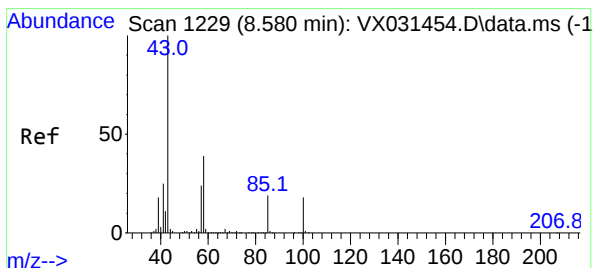
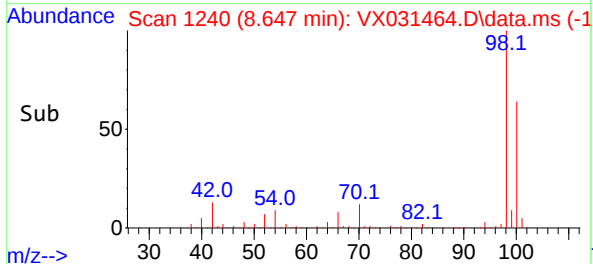
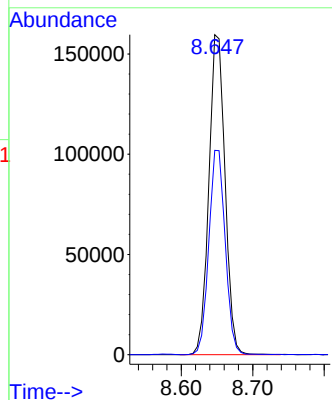
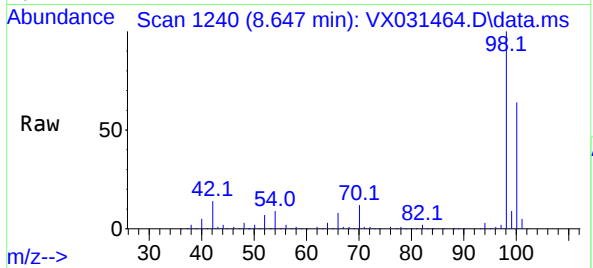




#50
Toluene-d8
Concen: 48.759 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

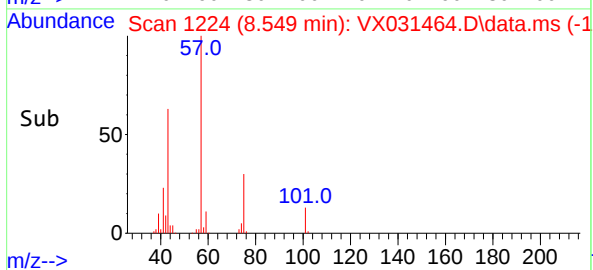
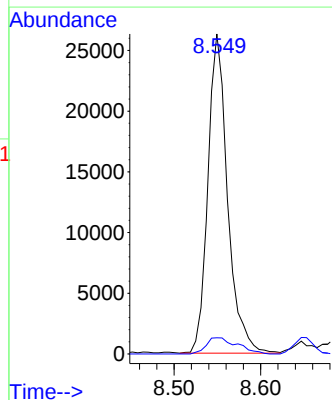
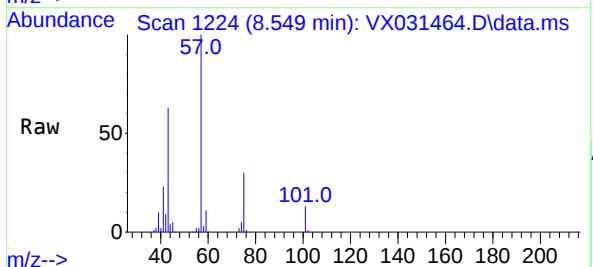
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

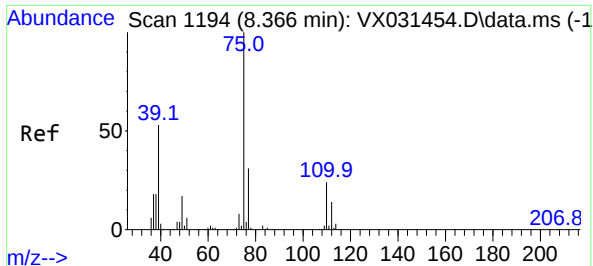
Tgt Ion: 98 Resp: 250525
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 17.161 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 43 Resp: 41486
Ion Ratio Lower Upper
43 100
58 8.1 30.6 46.0#

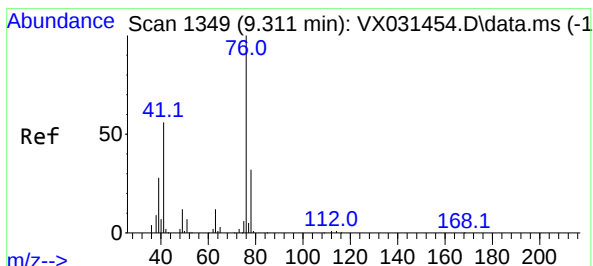
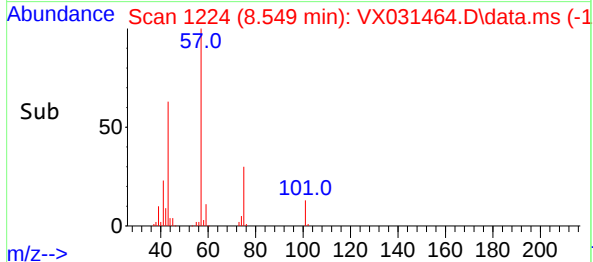
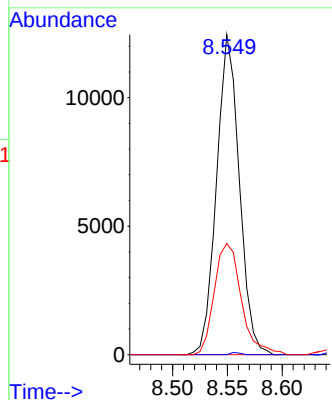
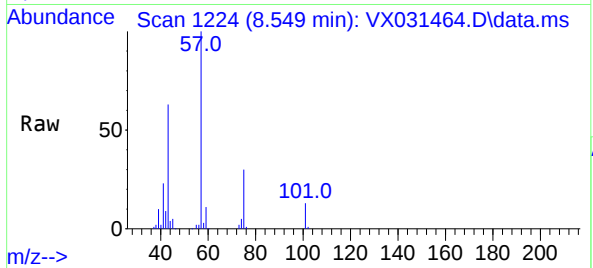




#54
cis-1,3-Dichloropropene
Concen: 7.147 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

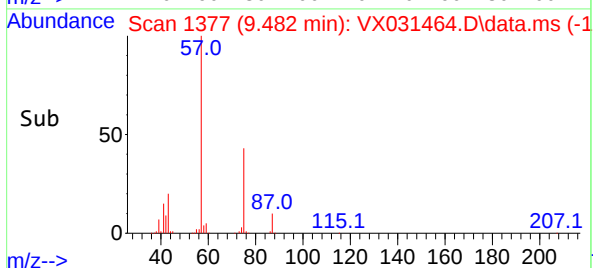
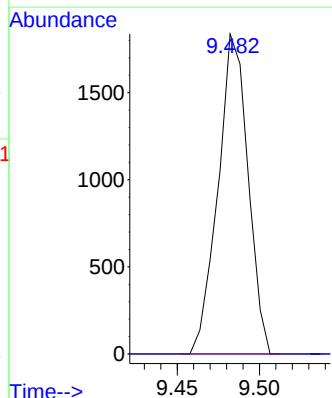
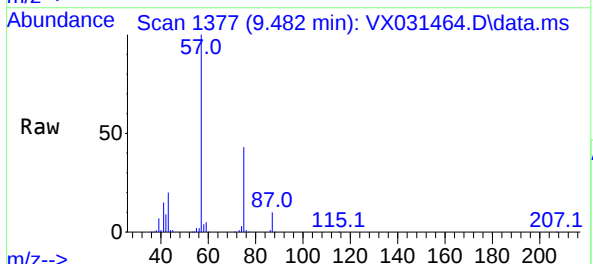
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

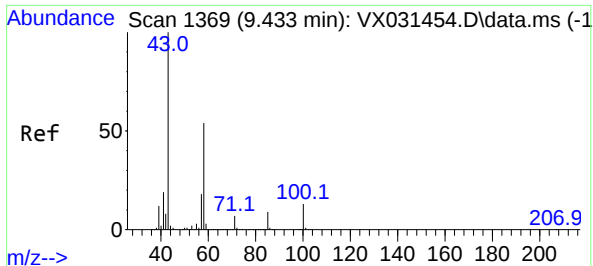
Tgt Ion: 75 Resp: 17996
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#
39 34.7 43.7 65.5#



#57
1,3-Dichloropropane
Concen: 0.862 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 76 Resp: 2326
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 17.693 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX031464.D

Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

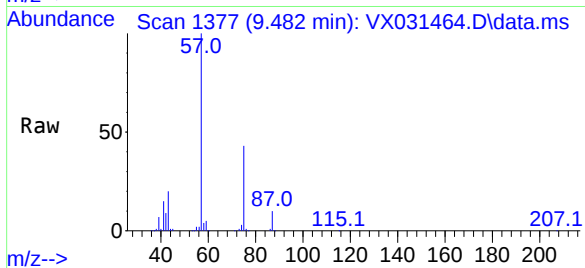
S1-SO_114D-20220902RE

Tgt Ion: 43 Resp: 32123

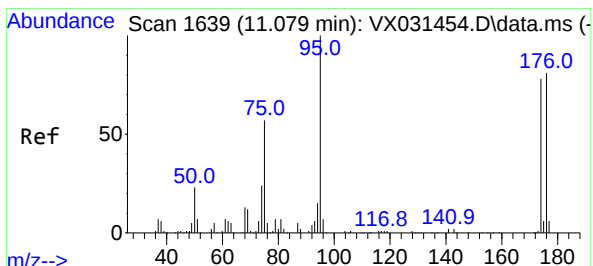
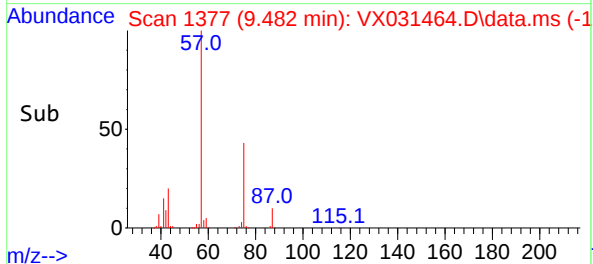
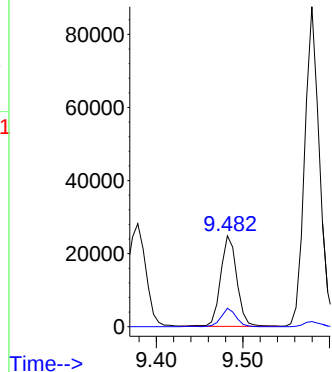
Ion Ratio Lower Upper

43 100

58 18.8 26.7 80.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 45.339 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031464.D

Acq: 19 Sep 2022 16:51

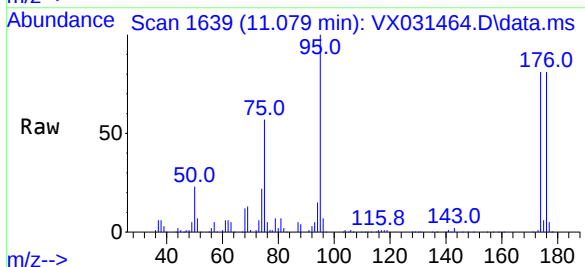
Tgt Ion: 95 Resp: 78907

Ion Ratio Lower Upper

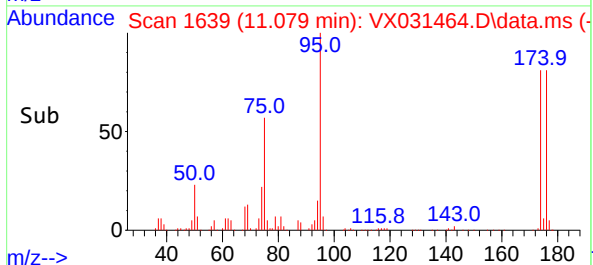
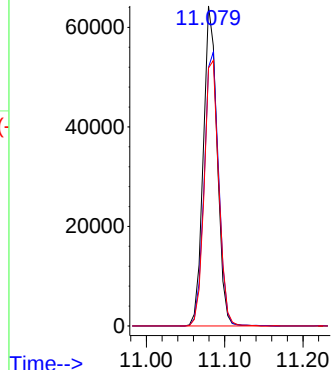
95 100

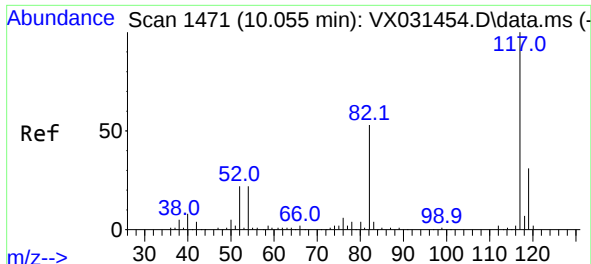
174 89.5 0.0 153.2

176 87.0 0.0 144.0



Abundance

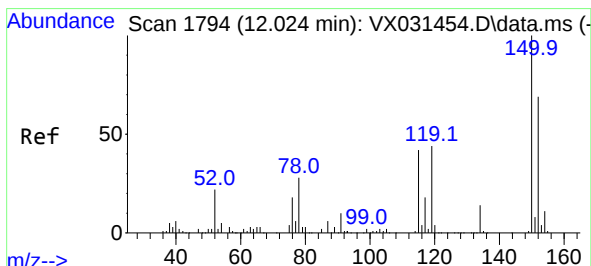
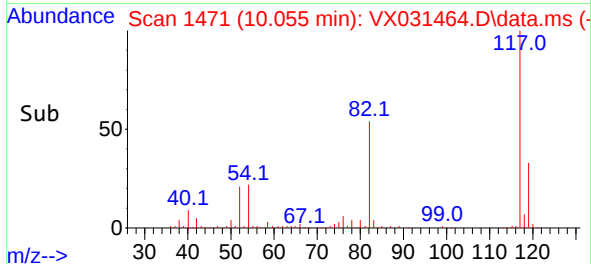
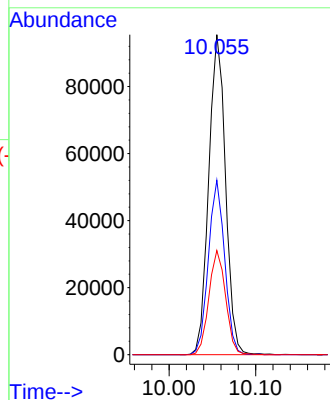
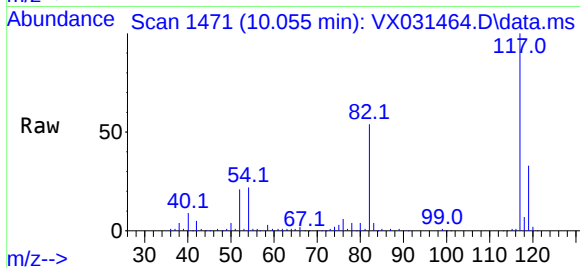




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

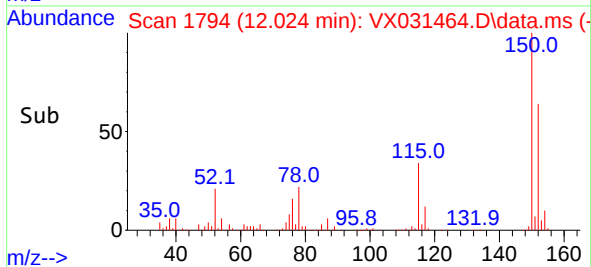
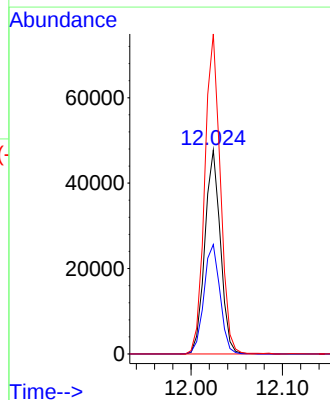
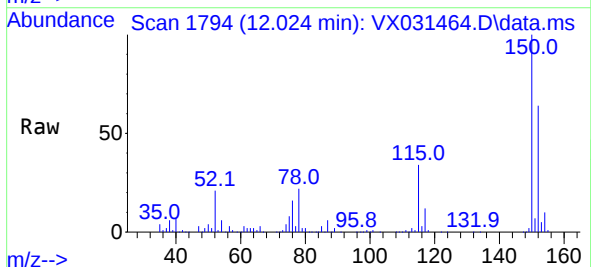
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

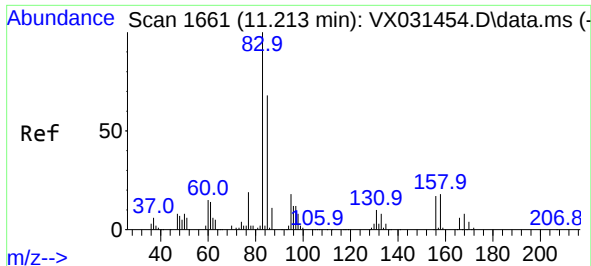
Tgt Ion:117 Resp: 128450
Ion Ratio Lower Upper
117 100
82 54.5 46.8 70.2
119 32.6 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

Tgt Ion:152 Resp: 56485
Ion Ratio Lower Upper
152 100
115 55.6 43.4 130.1
150 157.3 0.0 346.8

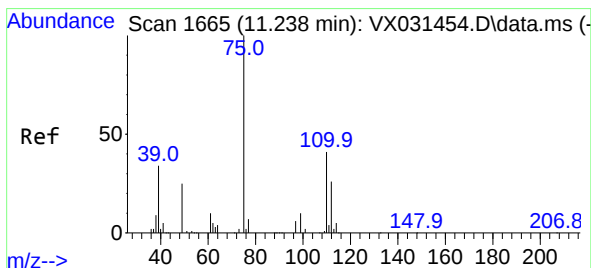
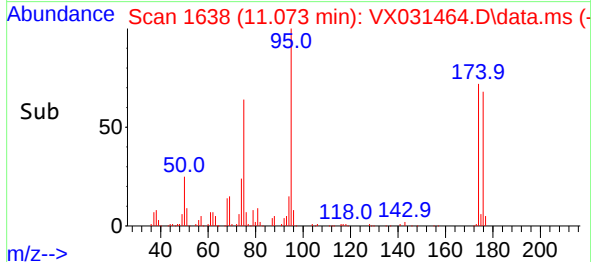
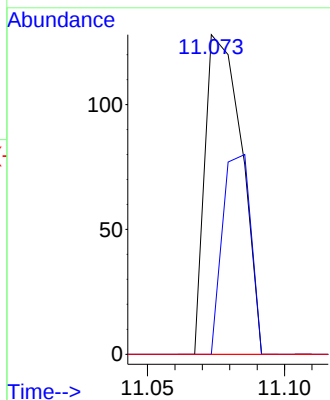
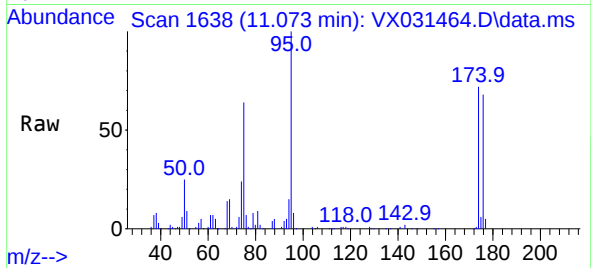




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.073 min Scan# 1638
Delta R.T. -0.140 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

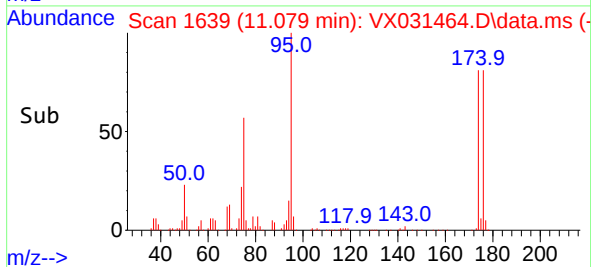
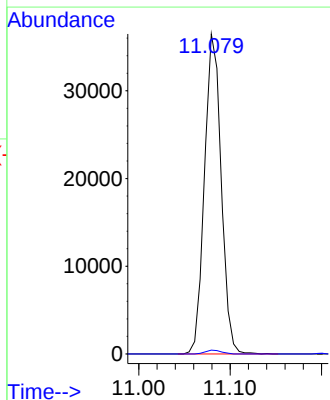
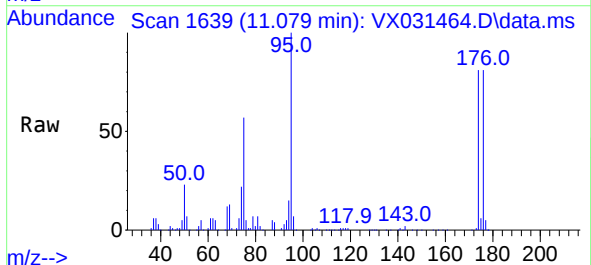
Instrument : MSVOA_X
ClientSampleId : S1-SO_114D-20220902RE

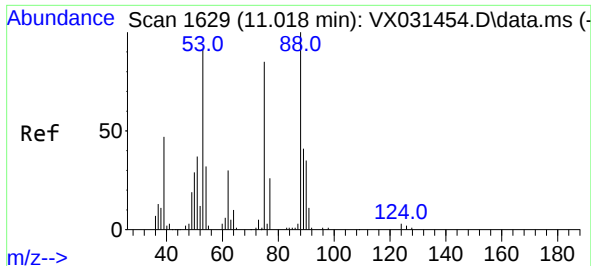
Tgt Ion: 83 Resp: 118
Ion Ratio Lower Upper
83 100
131 48.3 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 36.619 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031464.D
Acq: 19 Sep 2022 16:51

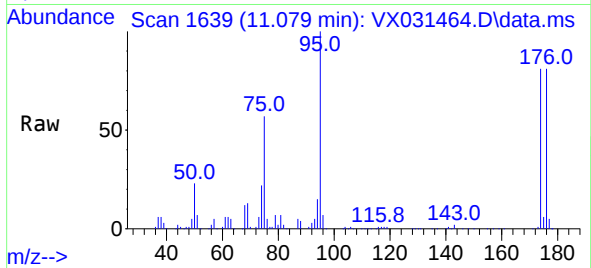
Tgt Ion: 75 Resp: 46165
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.908 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031464.D
 Acq: 19 Sep 2022 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_114D-20220902RE



Tgt Ion: 75 Resp: 46165
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

