

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031579.D
 Acq On : 22 Sep 2022 18:41
 Operator : JC/MD
 Sample : N4614-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H-3RA

Quant Time: Sep 23 01:50:18 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)

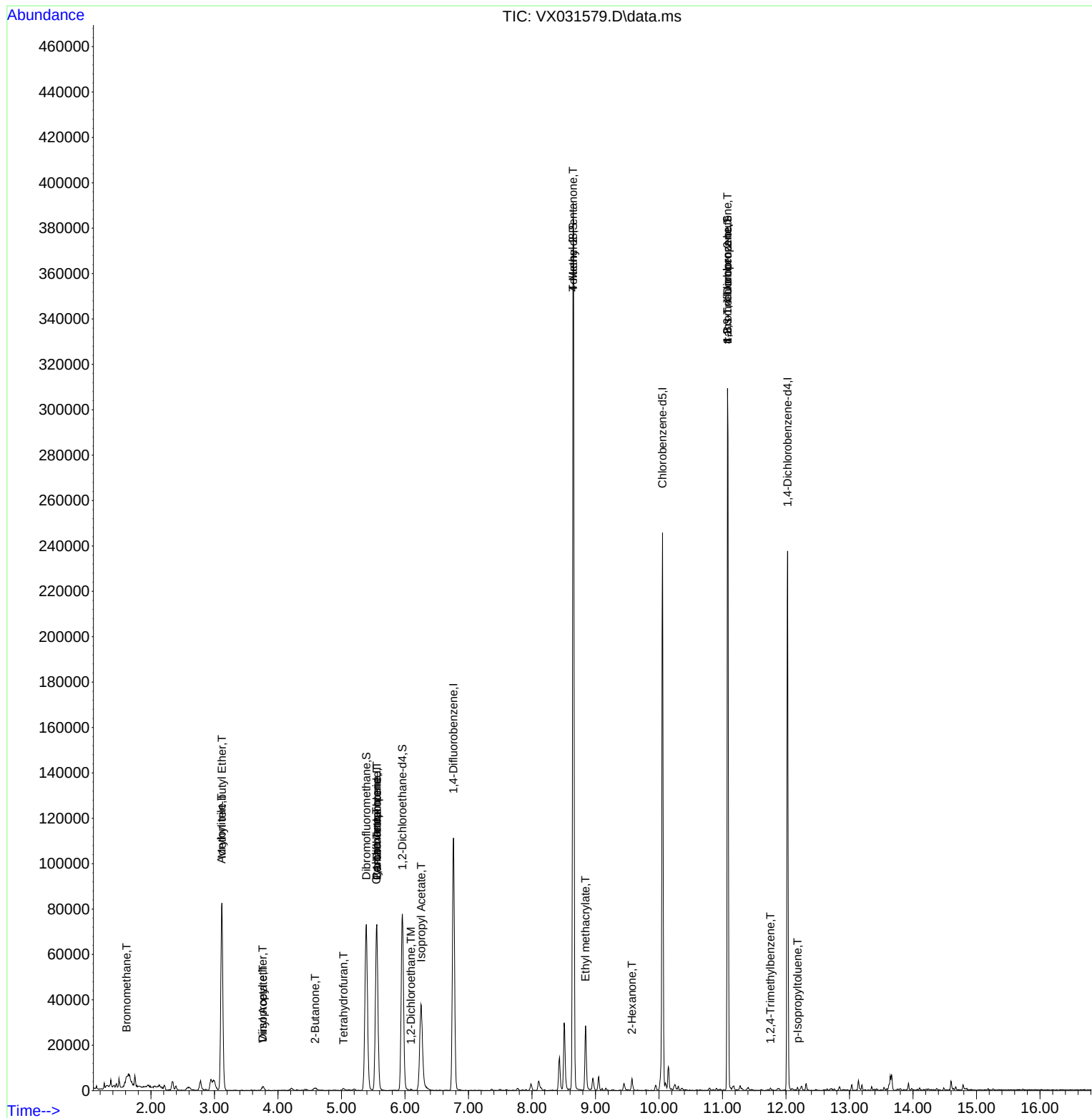
Internal Standards						
1) Pentafluorobenzene	5.556	168	69667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	114596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68418	53.526	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.060%	
35) Dibromofluoromethane	5.391	113	59139	49.928	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.860%	
50) Toluene-d8	8.647	98	226980	49.715	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	11.079	95	69232	44.767	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	494	0.229	ug/l	91
6) Chloroethane	1.654	64	96	Below Cal	#	21
11) Tert butyl alcohol	2.989	59	7697	Below Cal		95
13) Acrolein	2.203	56	19	Below Cal	#	1
15) Acrylonitrile	3.111	53	1107	1.646	ug/l #	21
16) Acetone	2.392	43	2193	Below Cal	#	82
19) Methyl tert-butyl Ether	3.117	73	90595	23.100	ug/l	97
20) Methylene Chloride	2.794	84	68	Below Cal	#	1
22) Diisopropyl ether	3.758	45	1648	0.430	ug/l #	85
23) Vinyl Acetate	3.764	43	1037	0.317	ug/l #	71
25) 2-Butanone	4.587	43	402	0.408	ug/l #	49
29) Tetrahydrofuran	5.032	42	750	1.166	ug/l #	76
31) Cyclohexane	5.550	56	1820	0.960	ug/l #	45
36) 1,1-Dichloropropene	5.556	75	5219	2.865	ug/l #	51
38) Carbon Tetrachloride	5.556	117	6626	3.282	ug/l #	17
42) 1,2-Dichloroethane	6.092	62	619	0.309	ug/l #	75
43) Isopropyl Acetate	6.257	43	10067	3.014	ug/l #	62
51) 4-Methyl-2-Pentanone	8.647	43	1288	0.600	ug/l #	1
56) Ethyl methacrylate	8.842	69	4278	2.060	ug/l #	85
59) 2-Hexanone	9.574	43	833	0.516	ug/l	82
75) 1,1,2,2-Tetrachloroethane	11.274	83	230	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.079	75	39514	37.880	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39514	121.967	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.756	105	601	0.206	ug/l	98
86) p-Isopropyltoluene	12.183	119	712	0.232	ug/l	88

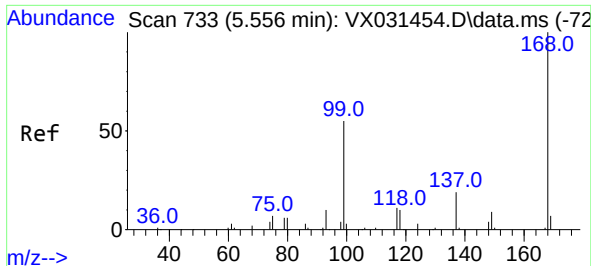
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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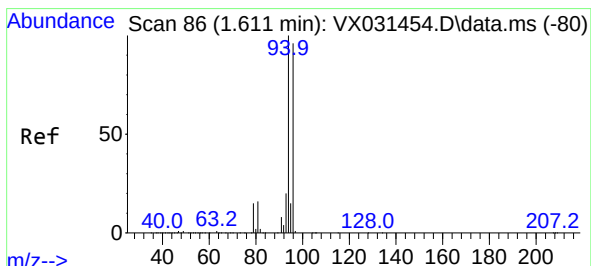
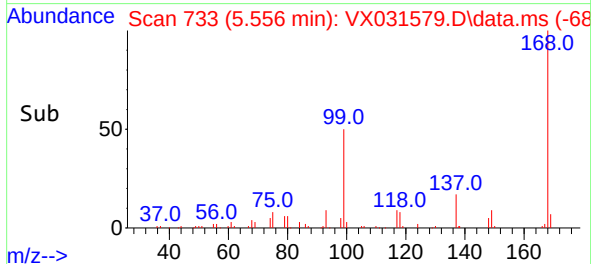
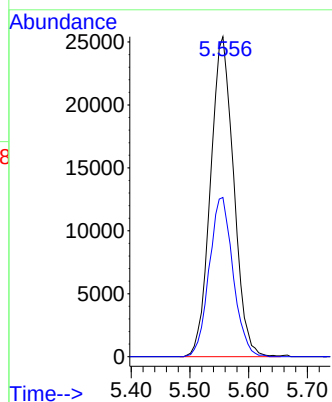
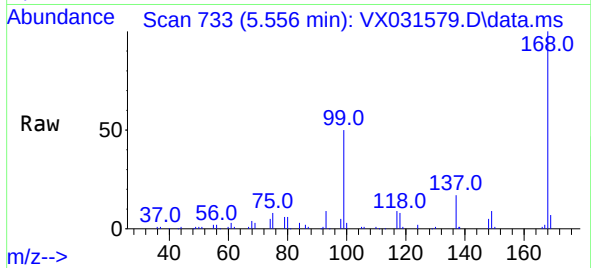




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

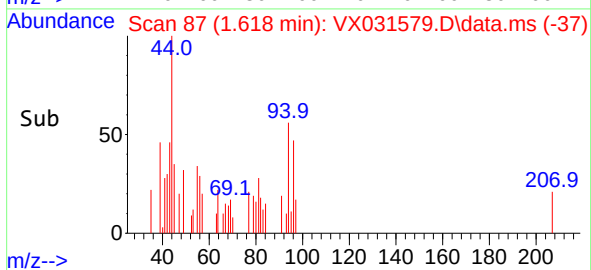
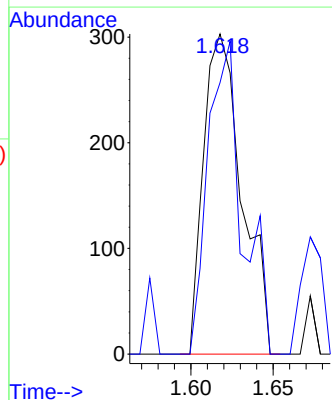
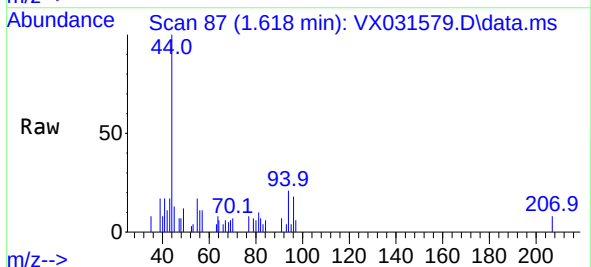
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

Tgt Ion:168 Resp: 69667
Ion Ratio Lower Upper
168 100
99 49.7 48.8 73.2

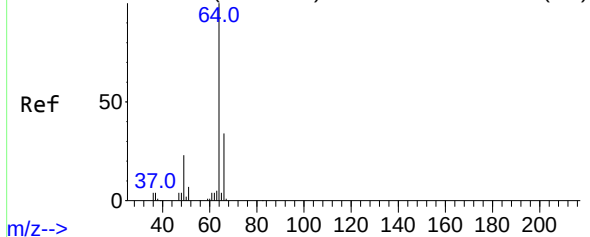


#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 94 Resp: 494
Ion Ratio Lower Upper
94 100
96 84.8 74.4 111.6



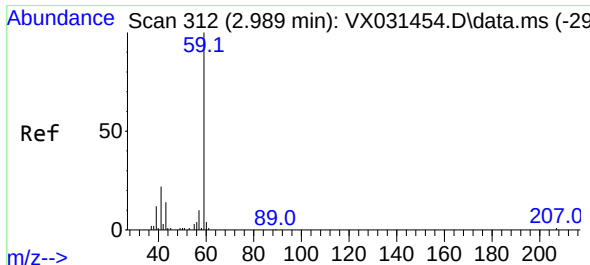
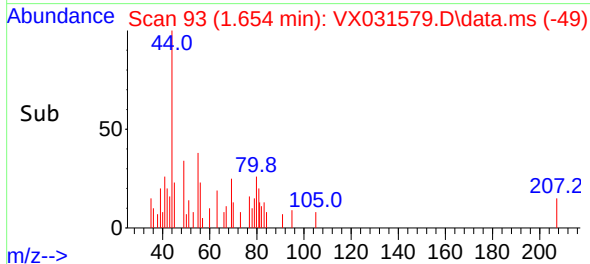
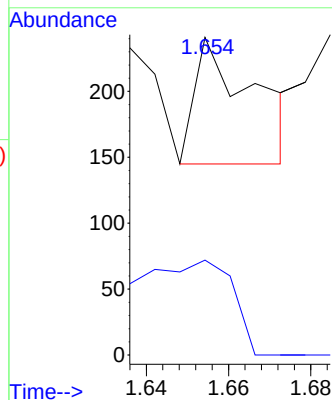
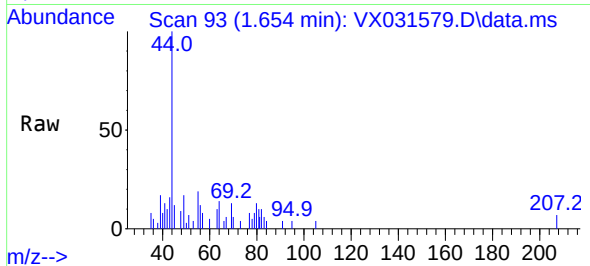
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.031 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

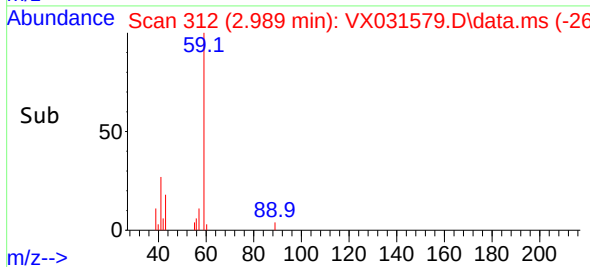
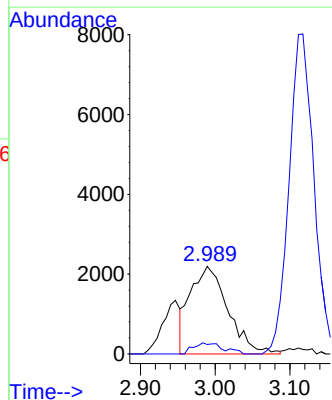
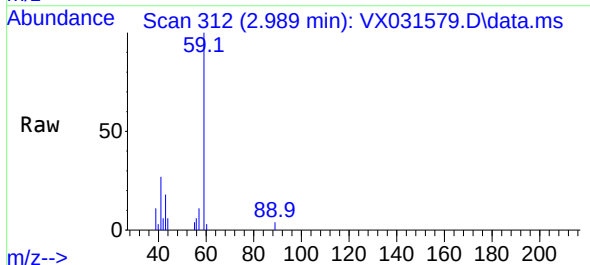
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

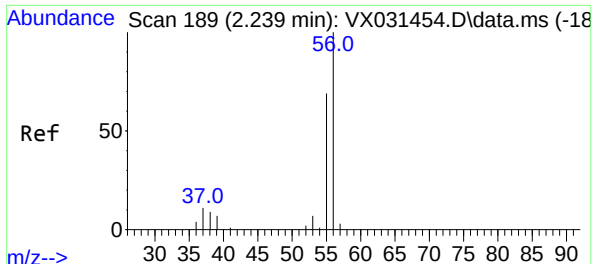
Tgt Ion: 64 Resp: 96
Ion Ratio Lower Upper
64 100
66 75.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.989 min Scan# 312
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 59 Resp: 7697
Ion Ratio Lower Upper
59 100
57 8.4 8.2 12.2

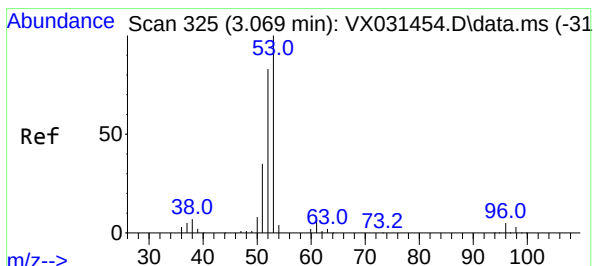
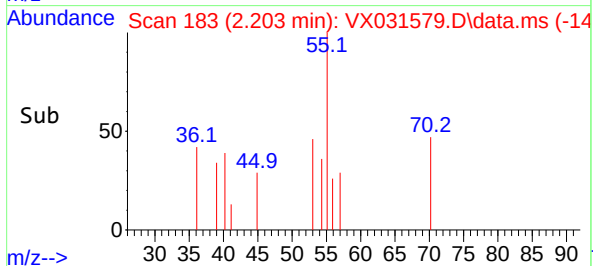
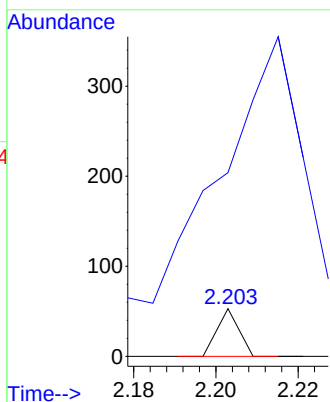
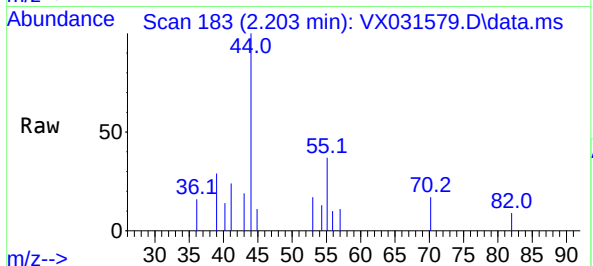




#13
Acrolein
Concen: Below Cal
RT: 2.203 min Scan# 11
Delta R.T. -0.036 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

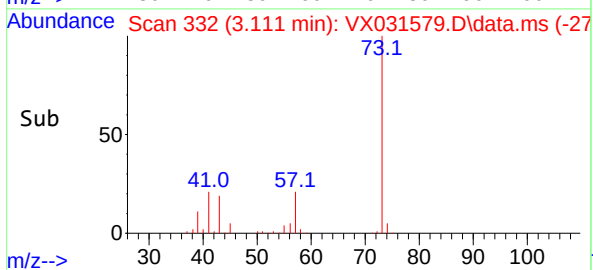
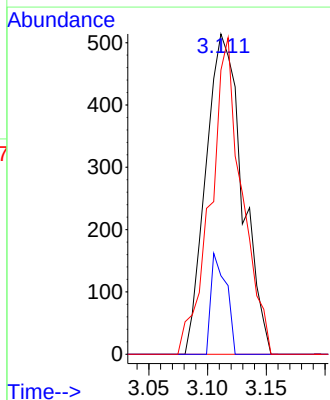
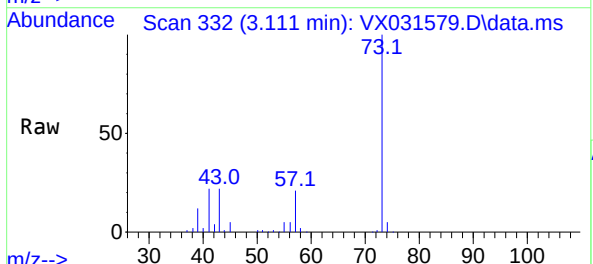
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

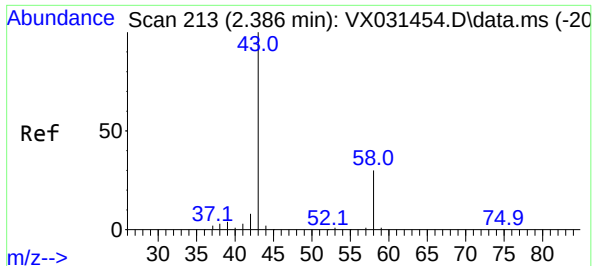
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 2926.3 56.0 84.0#



#15
Acrylonitrile
Concen: 1.646 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.042 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 53 Resp: 1107
Ion Ratio Lower Upper
53 100
52 13.2 66.9 100.3#
51 85.5 30.0 45.0#

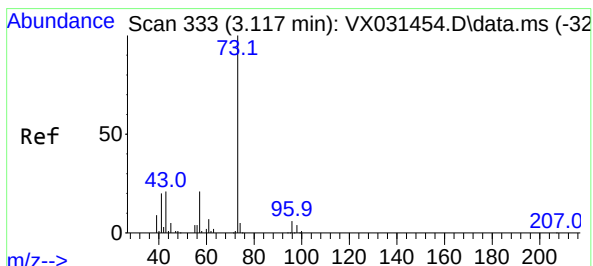
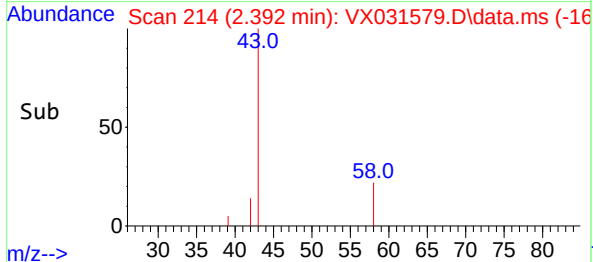
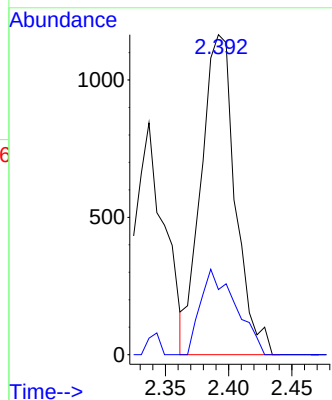
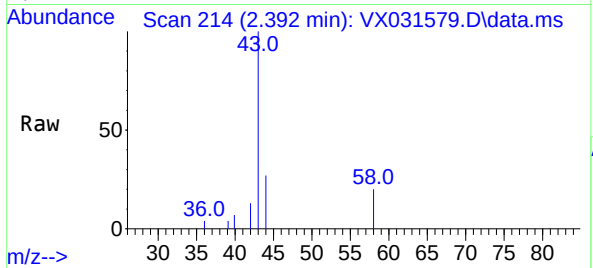




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

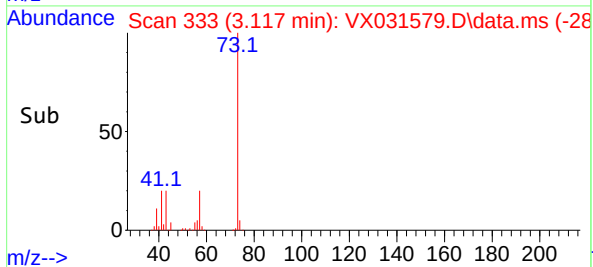
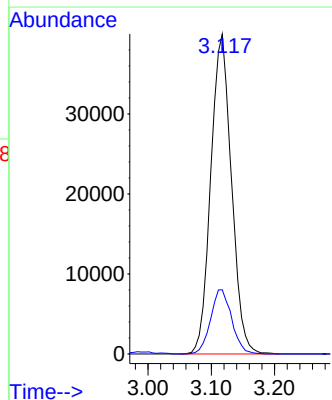
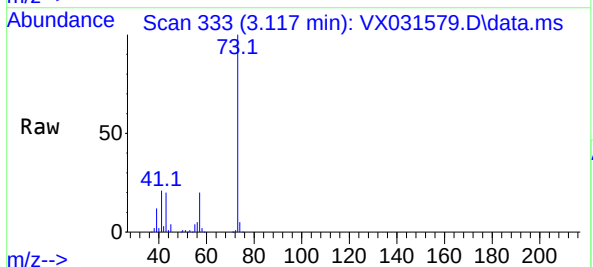
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

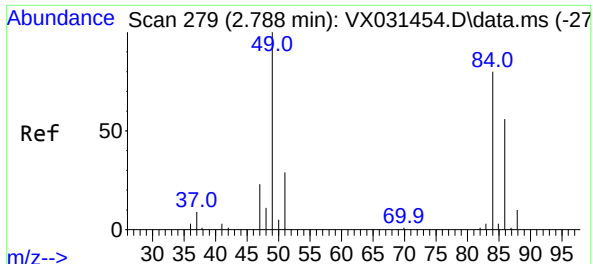
Tgt Ion: 43 Resp: 2193
Ion Ratio Lower Upper
43 100
58 20.3 23.8 35.8#



#19
Methyl tert-butyl Ether
Concen: 23.100 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 73 Resp: 90595
Ion Ratio Lower Upper
73 100
57 20.1 17.2 25.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031579.D

Acq: 22 Sep 2022 18:41

Instrument :

MSVOA_X

ClientSampleId :

H-3RA

Tgt Ion: 84 Resp: 68

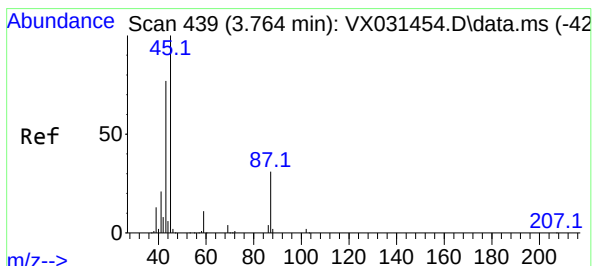
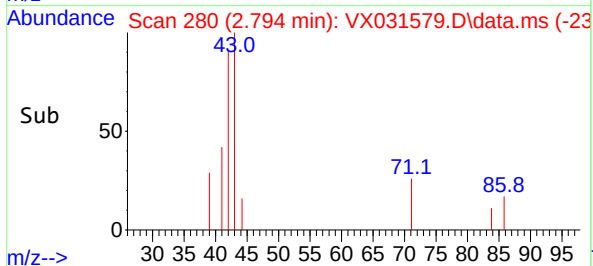
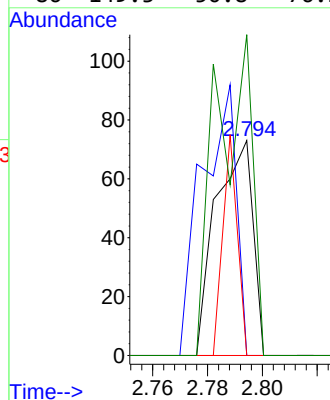
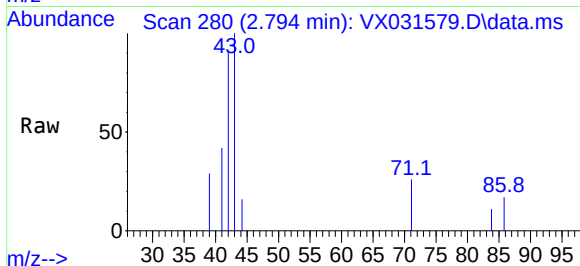
Ion Ratio Lower Upper

84 100

49 0.0 105.9 158.9#

51 0.0 32.2 48.2#

86 149.3 50.8 76.2#



#22

Diisopropyl ether

Concen: 0.430 ug/l

RT: 3.758 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX031579.D

Acq: 22 Sep 2022 18:41

Tgt Ion: 45 Resp: 1648

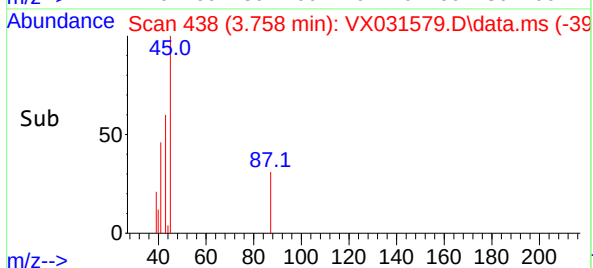
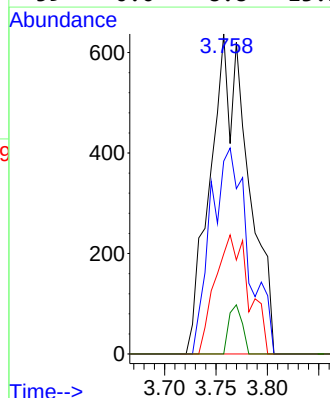
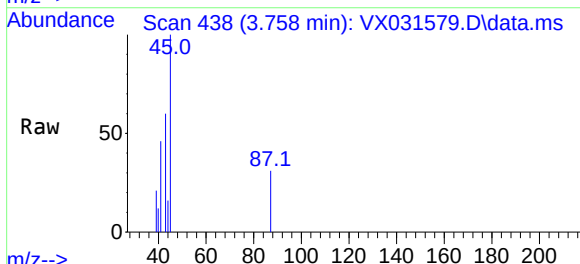
Ion Ratio Lower Upper

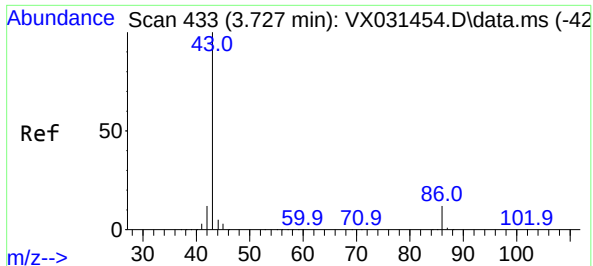
45 100

43 60.3 59.0 88.6

87 31.2 22.6 33.8

59 0.0 8.8 13.2#

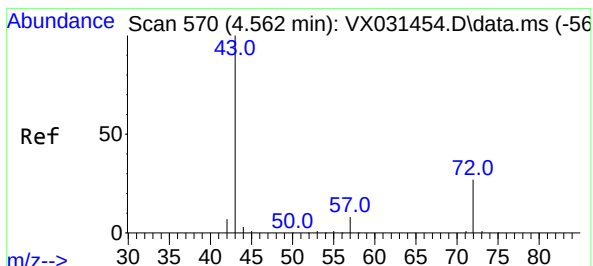
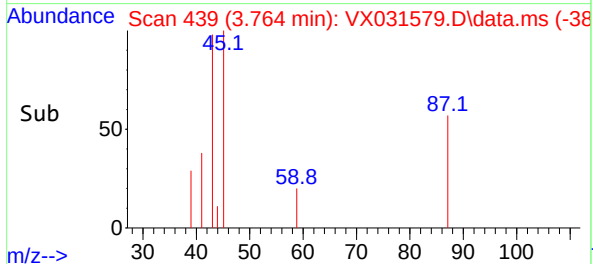
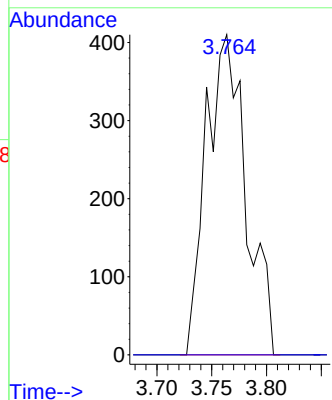
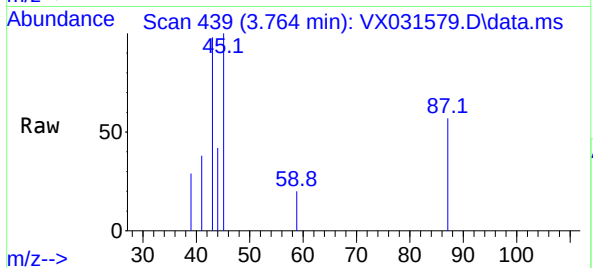




#23
 Vinyl Acetate
 Concen: 0.317 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX031579.D
 Acq: 22 Sep 2022 18:41

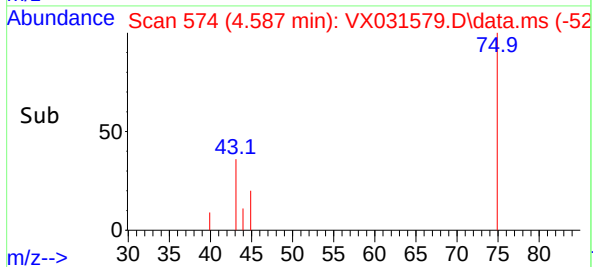
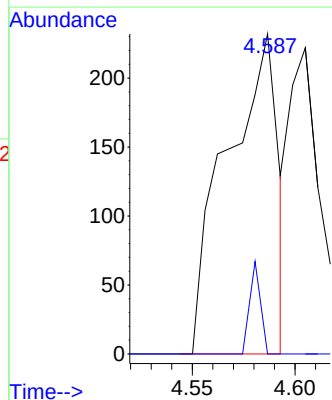
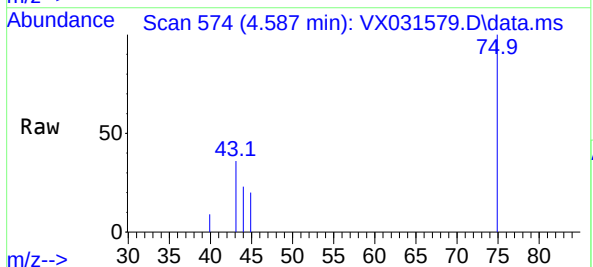
Instrument :
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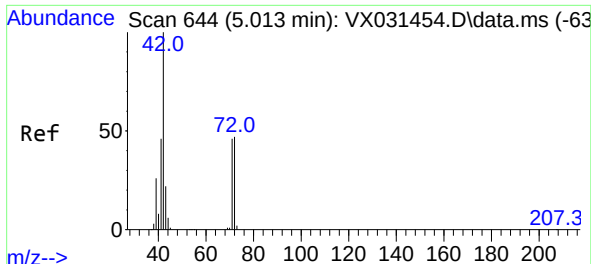
Tgt Ion: 43 Resp: 1037
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.7 13.1#



#25
 2-Butanone
 Concen: 0.408 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.025 min
 Lab File: VX031579.D
 Acq: 22 Sep 2022 18:41

Tgt Ion: 43 Resp: 402
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 1.166 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX031579.D

Acq: 22 Sep 2022 18:41

Instrument :

MSVOA_X

ClientSampleId :

H-3RA

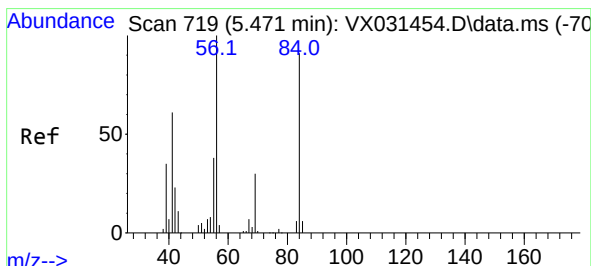
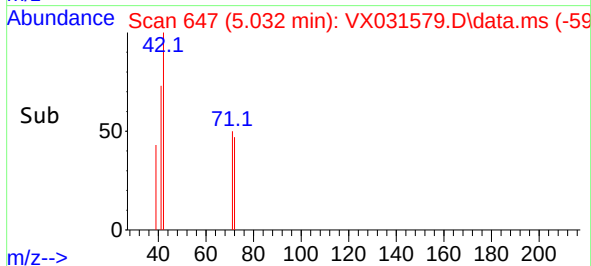
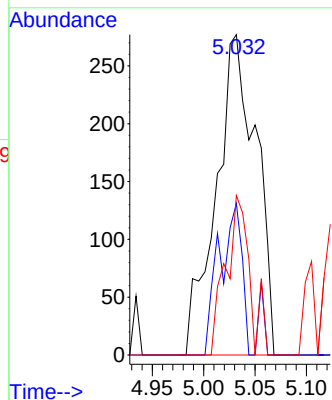
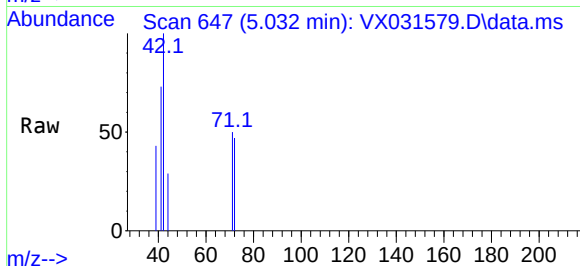
Tgt Ion: 42 Resp: 750

Ion Ratio Lower Upper

42 100

72 26.7 36.4 54.6#

71 30.0 33.5 50.3#



#31

Cyclohexane

Concen: 0.960 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX031579.D

Acq: 22 Sep 2022 18:41

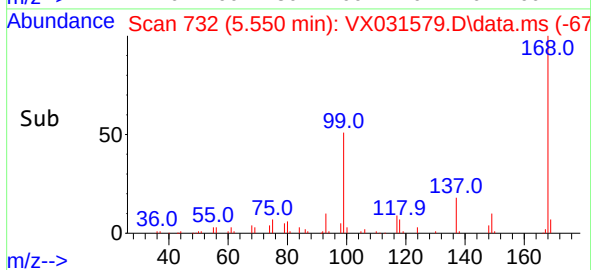
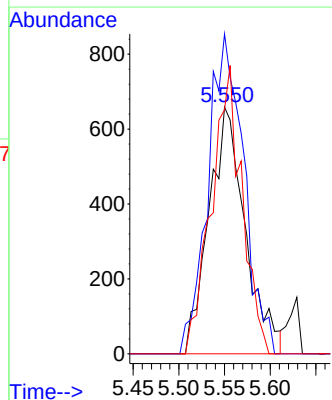
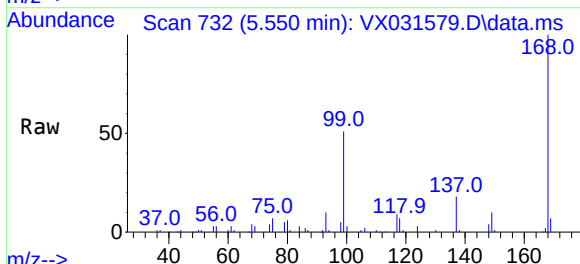
Tgt Ion: 56 Resp: 1820

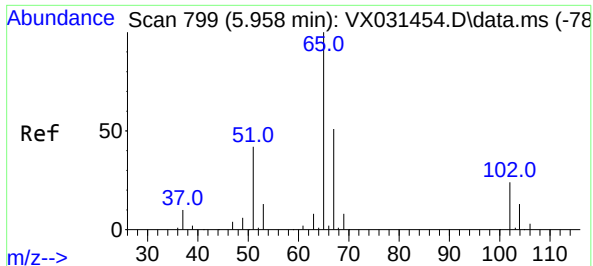
Ion Ratio Lower Upper

56 100

69 129.6 25.1 37.7#

84 98.8 70.2 105.4

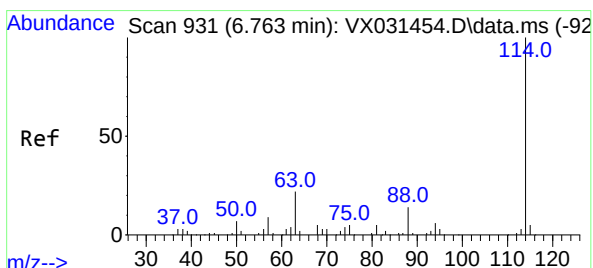
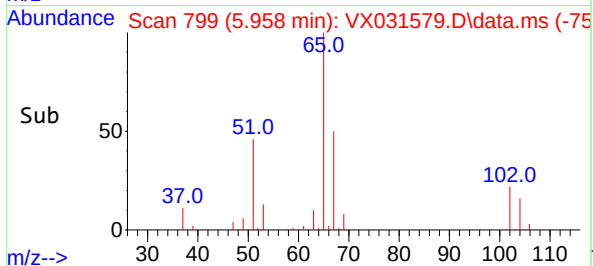
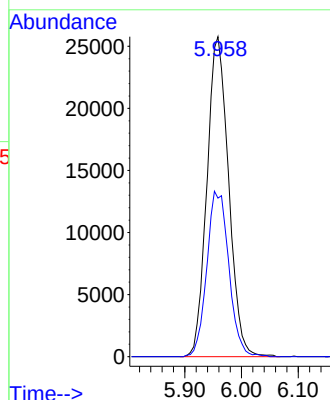
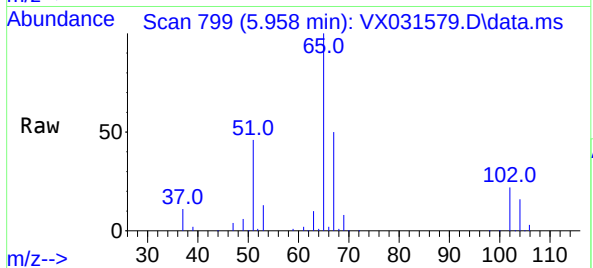




#33
 1,2-Dichloroethane-d4
 Concen: 53.526 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031579.D
 Acq: 22 Sep 2022 18:41

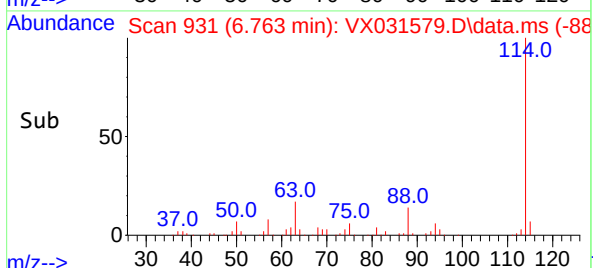
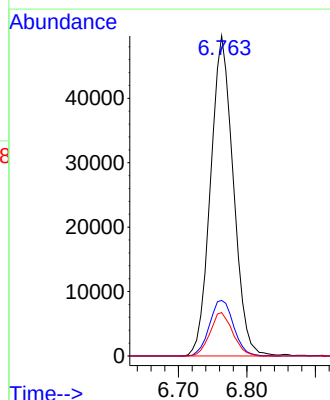
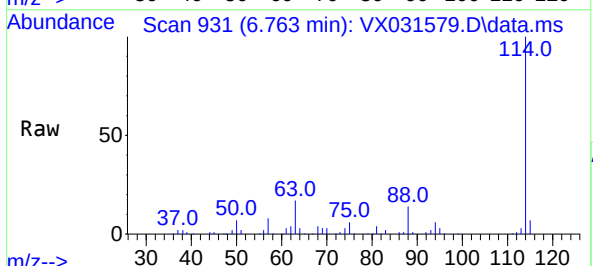
Instrument :
 MSVOA_X
 ClientSampleId :
 H-3RA

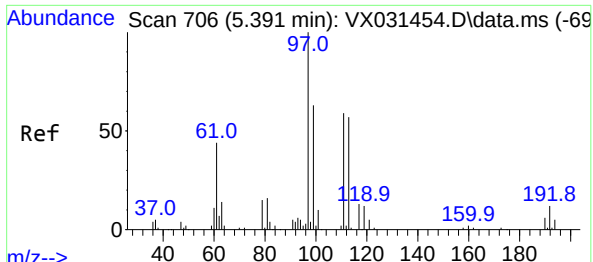
Tgt Ion: 65 Resp: 68418
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031579.D
 Acq: 22 Sep 2022 18:41

Tgt Ion: 114 Resp: 114596
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 42.6
 88 13.6 0.0 33.0

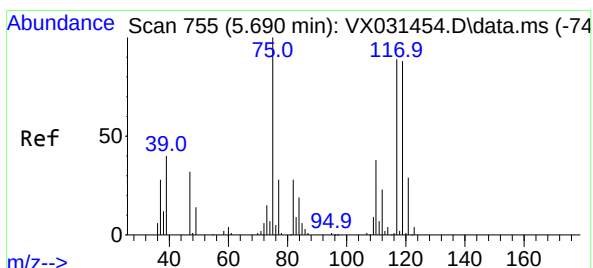
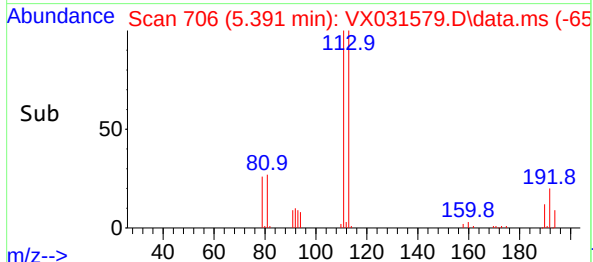
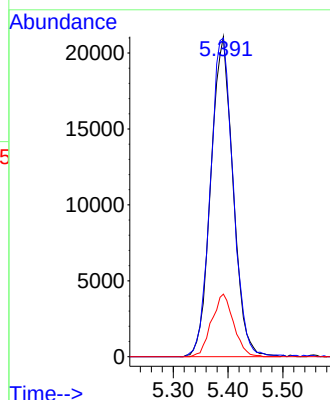
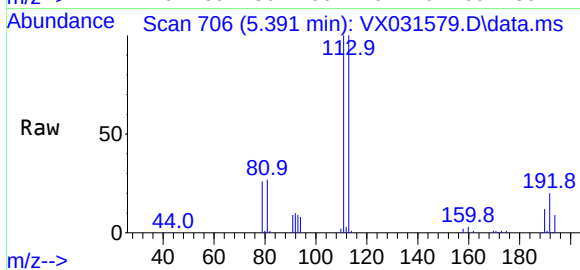




#35
Dibromofluoromethane
Concen: 49.928 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

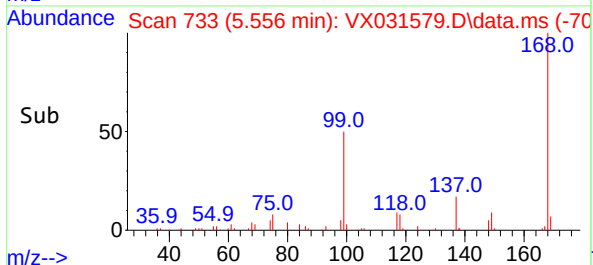
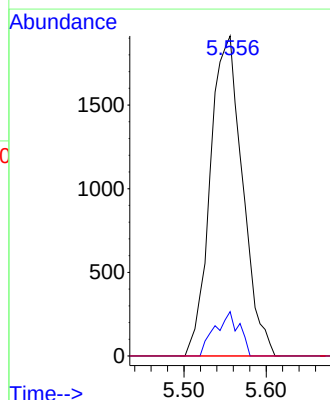
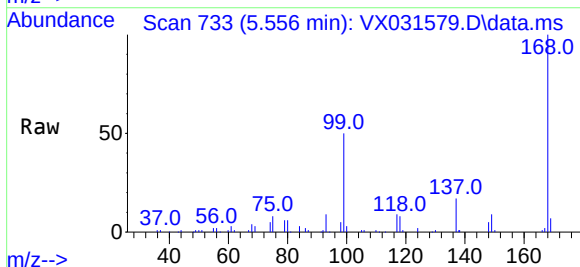
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

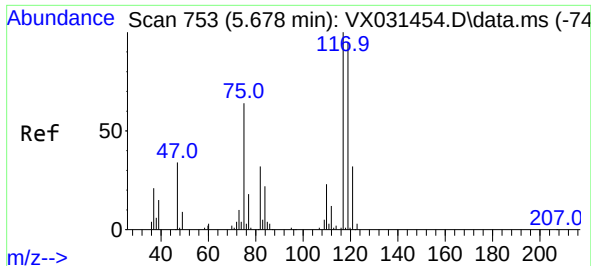
Tgt Ion:	113	Resp:	59139
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	19.4	14.1	21.1



#36
1,1-Dichloropropene
Concen: 2.865 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion:	75	Resp:	5219
Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.5	52.5#
77	0.0	24.9	37.3#

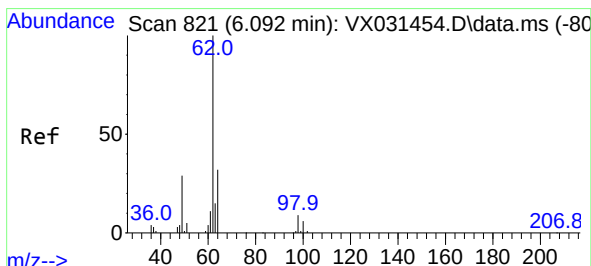
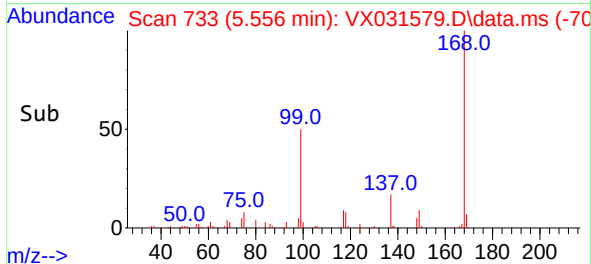
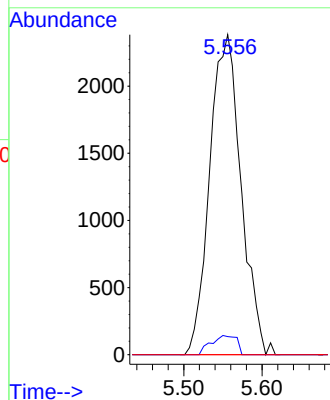
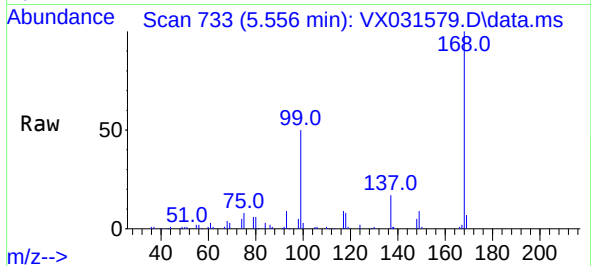




#38
Carbon Tetrachloride
Concen: 3.282 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

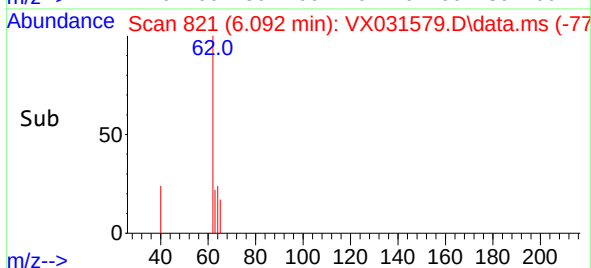
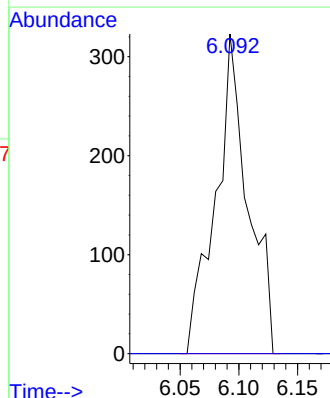
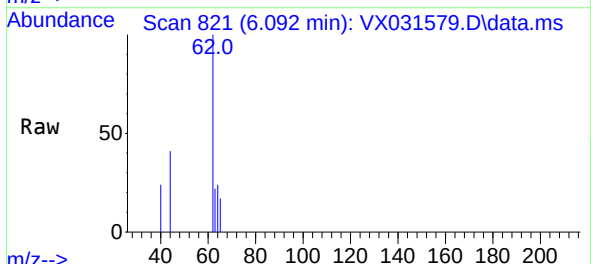
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

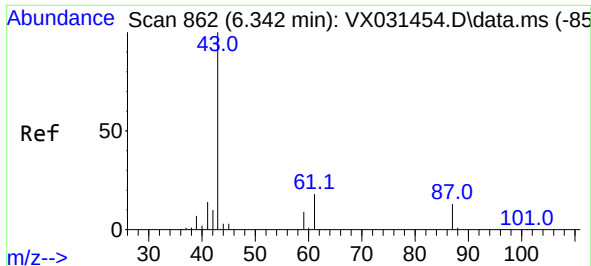
Tgt Ion:117 Resp: 6626
Ion Ratio Lower Upper
117 100
119 5.7 74.6 112.0#
121 0.0 25.3 37.9#



#42
1,2-Dichloroethane
Concen: 0.309 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 62 Resp: 619
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.8

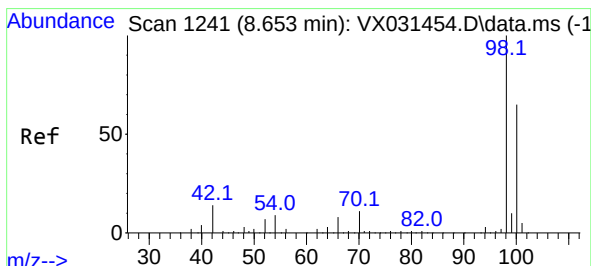
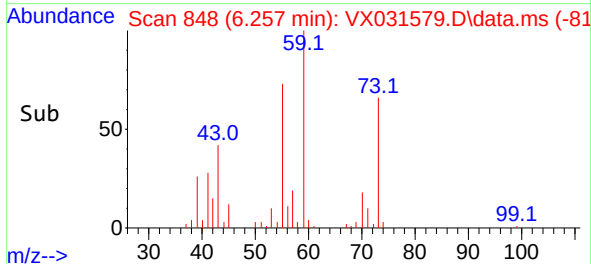
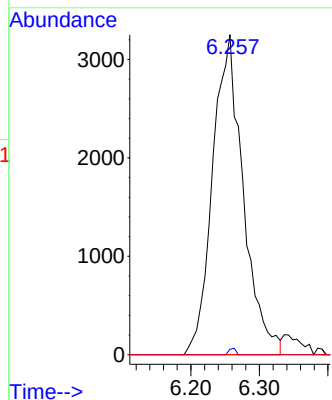
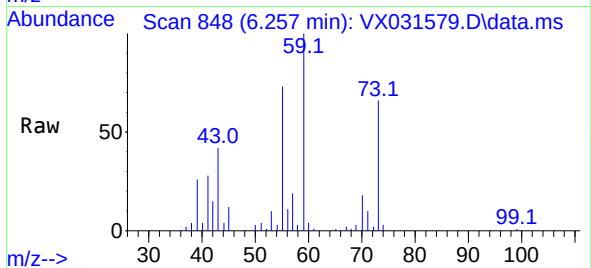




#43
Isopropyl Acetate
Concen: 3.014 ug/l
RT: 6.257 min Scan# 84
Delta R.T. -0.085 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

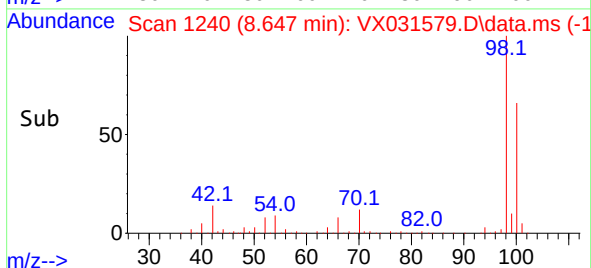
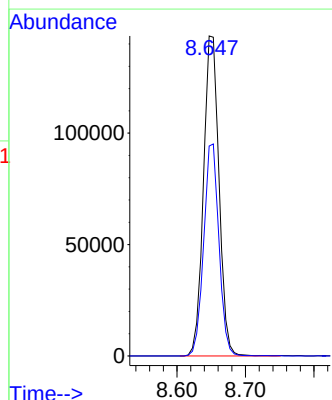
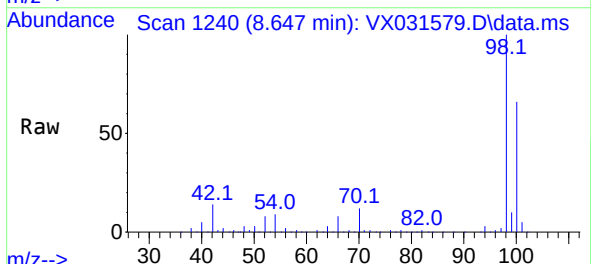
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

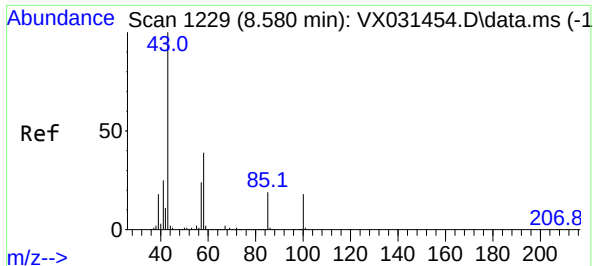
Tgt Ion: 43 Resp: 10067
Ion Ratio Lower Upper
43 100
61 0.4 15.3 22.9#
87 0.0 10.6 15.8#



#50
Toluene-d8
Concen: 49.715 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 98 Resp: 226980
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7

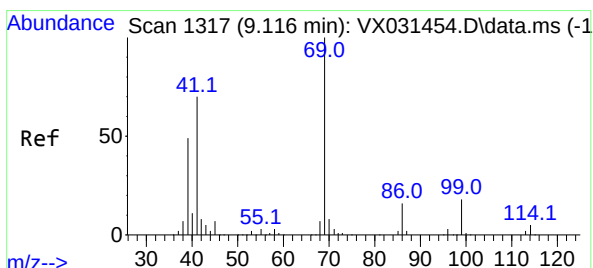
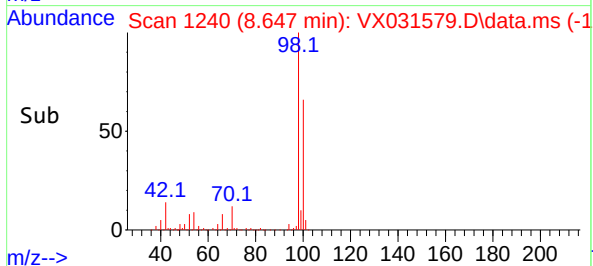
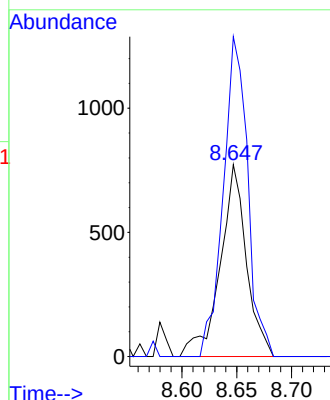
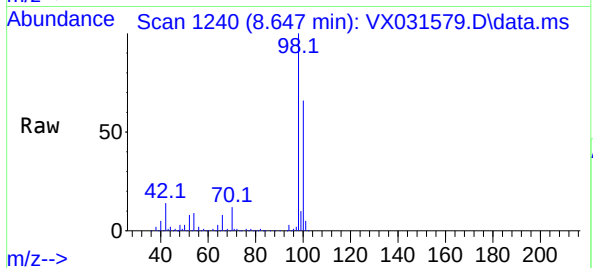




#51
4-Methyl-2-Pentanone
Concen: 0.600 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

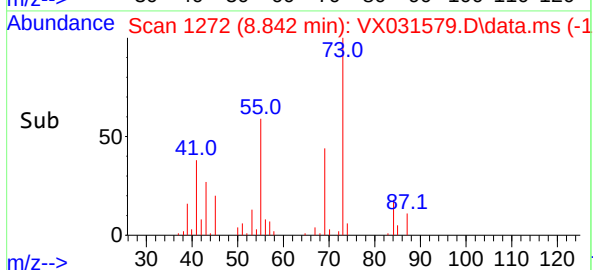
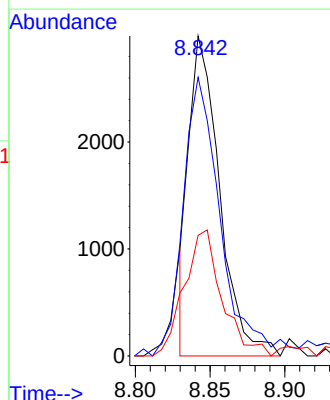
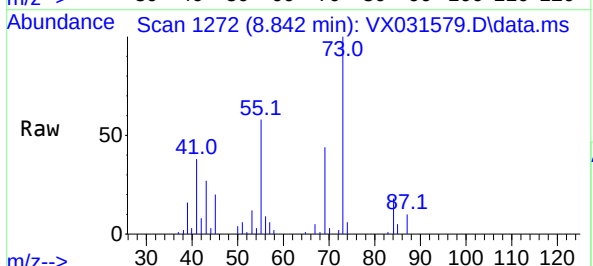
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

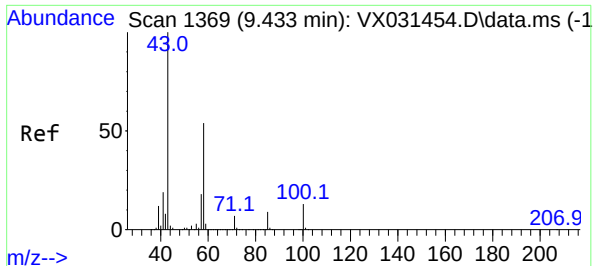
Tgt Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
58 154.7 30.6 46.0#



#56
Ethyl methacrylate
Concen: 2.060 ug/l
RT: 8.842 min Scan# 1272
Delta R.T. -0.274 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 69 Resp: 4278
Ion Ratio Lower Upper
69 100
41 86.1 54.2 81.4#
39 41.0 34.2 51.2





#59

2-Hexanone

Concen: 0.516 ug/l

RT: 9.574 min Scan# 11

Delta R.T. 0.141 min

Lab File: VX031579.D

Acq: 22 Sep 2022 18:41

Instrument :

MSVOA_X

ClientSampleId :

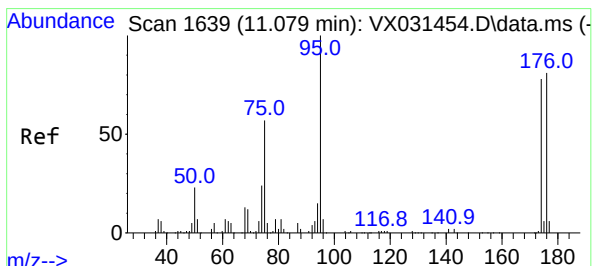
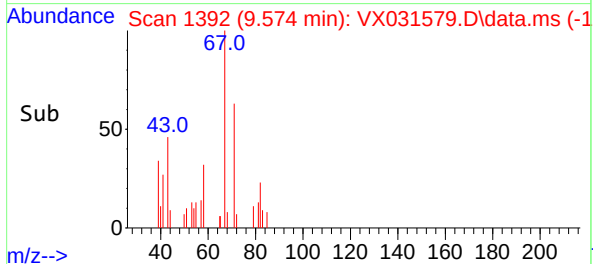
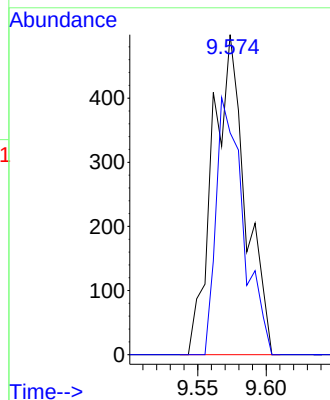
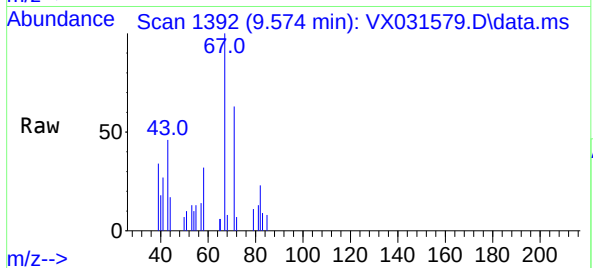
H-3RA

Tgt Ion: 43 Resp: 833

Ion Ratio Lower Upper

43 100

58 66.3 26.7 80.0



#62

4-Bromofluorobenzene

Concen: 44.767 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031579.D

Acq: 22 Sep 2022 18:41

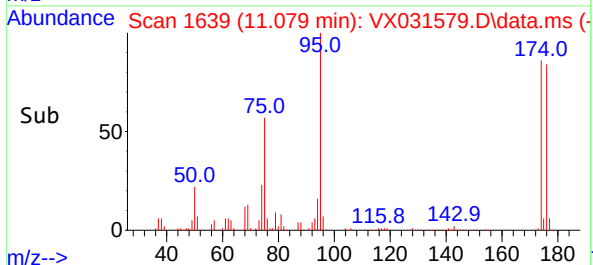
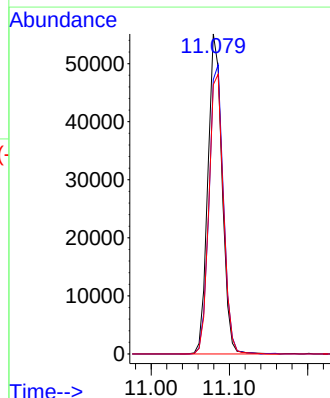
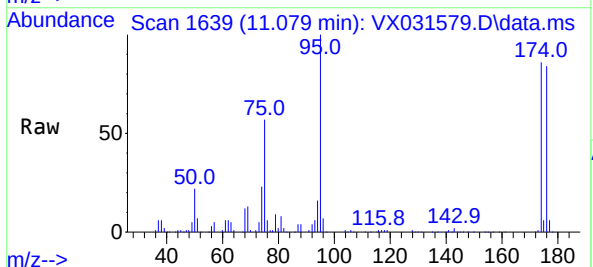
Tgt Ion: 95 Resp: 69232

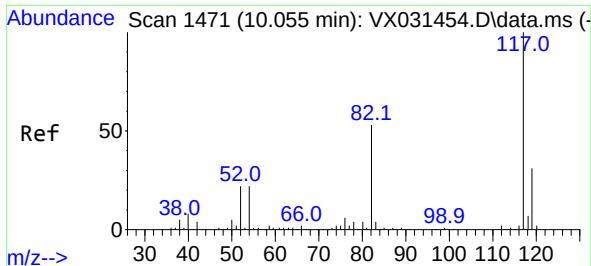
Ion Ratio Lower Upper

95 100

174 91.1 0.0 153.2

176 89.2 0.0 144.0

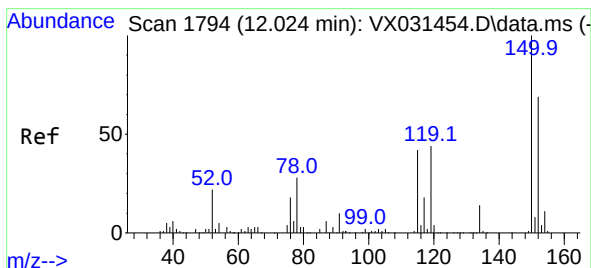
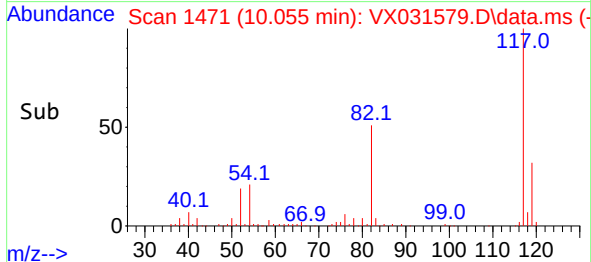
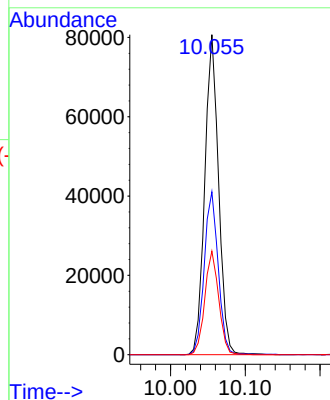
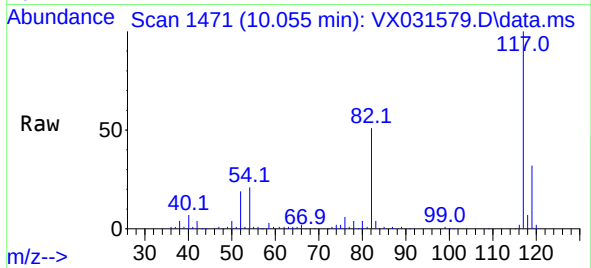




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

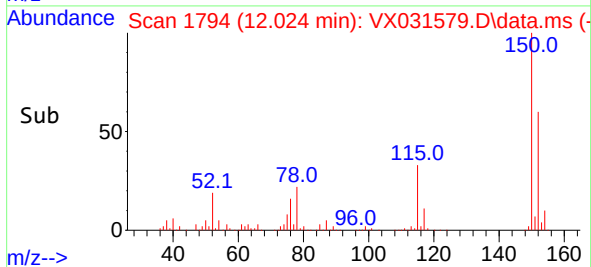
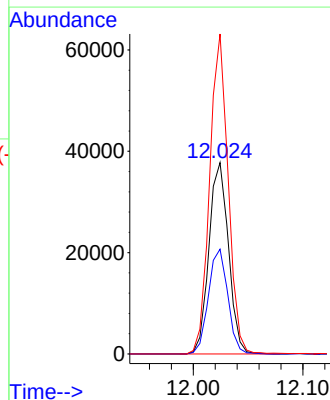
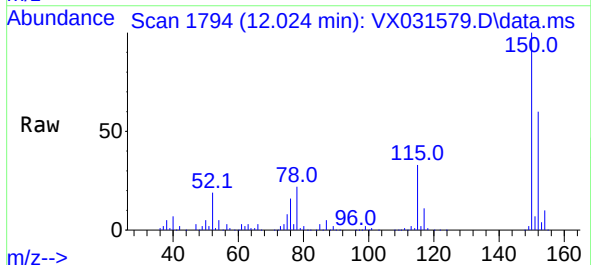
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

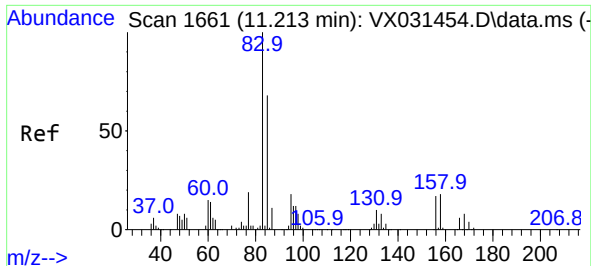
Tgt Ion:117 Resp: 103551
Ion Ratio Lower Upper
117 100
82 50.9 46.8 70.2
119 32.4 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion:152 Resp: 46738
Ion Ratio Lower Upper
152 100
115 54.3 43.4 130.1
150 158.3 0.0 346.8

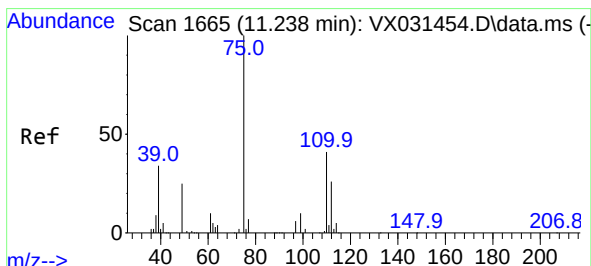
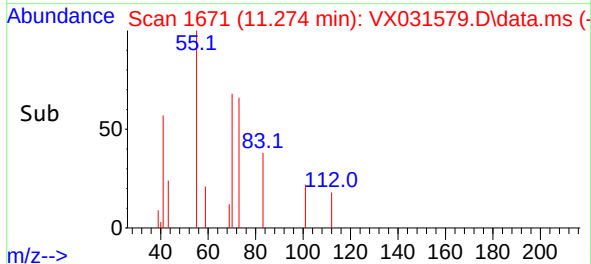
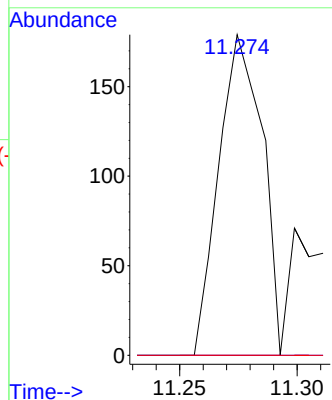
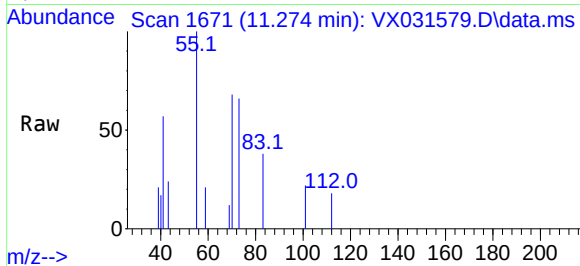




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 11.274 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

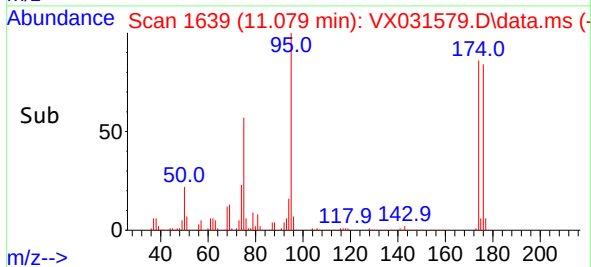
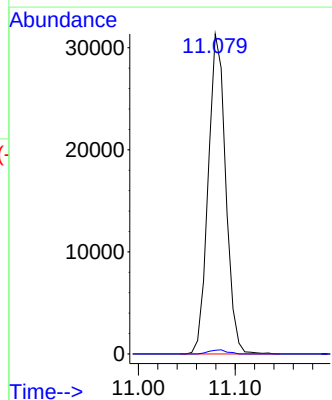
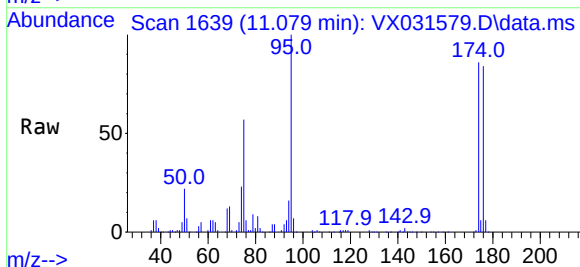
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

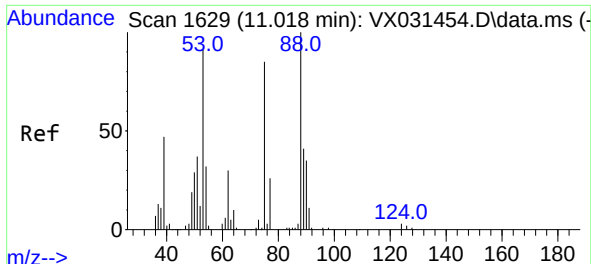
Tgt Ion: 83 Resp: 230
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 37.880 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 75 Resp: 39514
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#

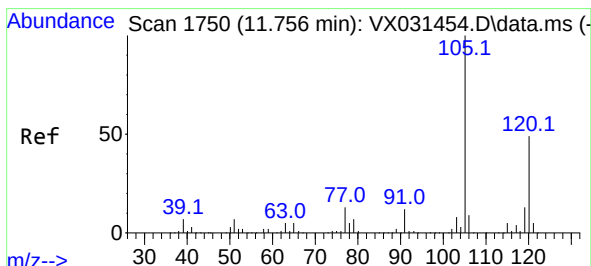
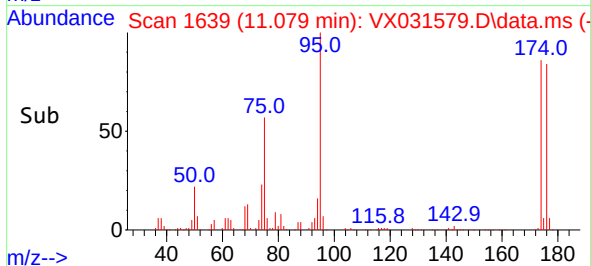
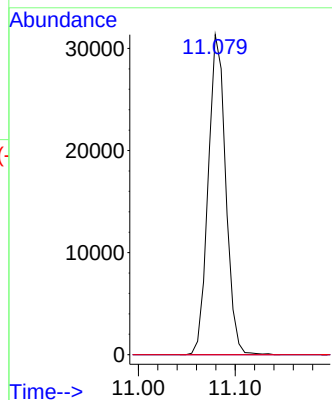
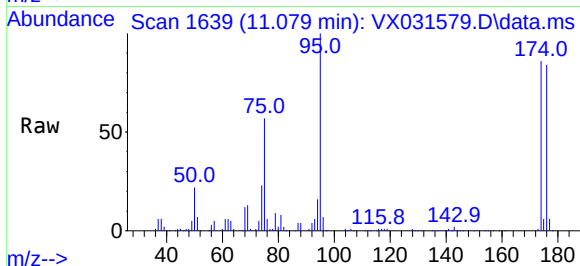




#81
trans-1,4-Dichloro-2-butene
Concen: 121.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

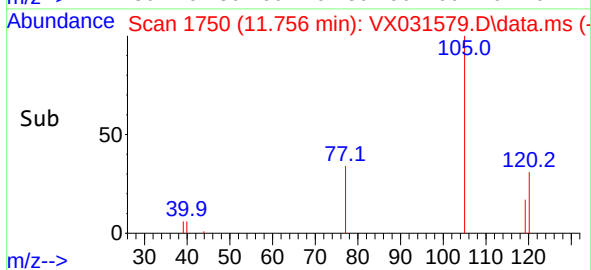
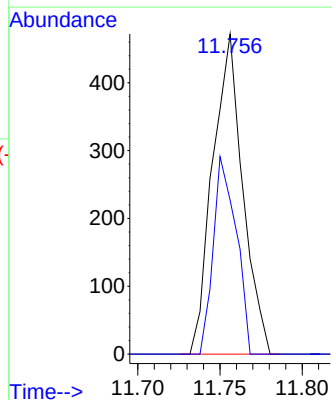
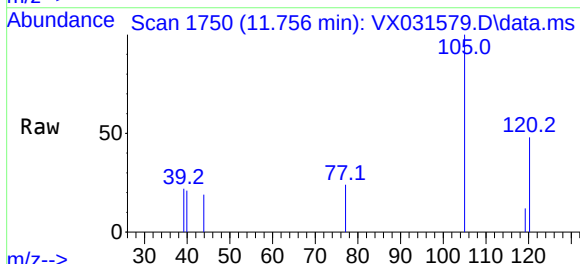
Instrument :
MSVOA_X
ClientSampleId :
H-3RA

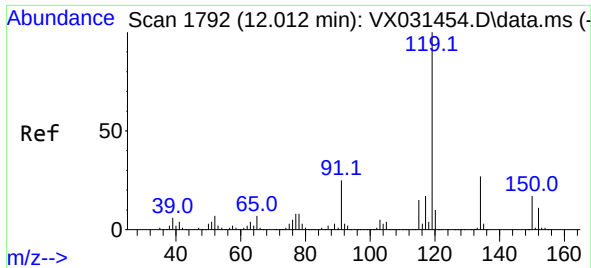
Tgt Ion: 75 Resp: 39514
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.206 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX031579.D
Acq: 22 Sep 2022 18:41

Tgt Ion: 105 Resp: 601
Ion Ratio Lower Upper
105 100
120 46.8 22.6 67.8





#86
 p-Isopropyltoluene
 Concen: 0.232 ug/l
 RT: 12.183 min Scan# 11
 Delta R.T. 0.171 min
 Lab File: VX031579.D
 Acq: 22 Sep 2022 18:41

Instrument :
 MSVOA_X
 ClientSampleId :
 H-3RA

Tgt Ion:119 Resp: 712
 Ion Ratio Lower Upper
 119 100
 134 28.5 13.4 40.2
 91 13.8 12.4 37.2

