

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030975.D
 Acq On : 31 Aug 2022 13:59
 Operator : JC/MD
 Sample : N4381-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-36

Quant Time: Sep 06 02:16:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

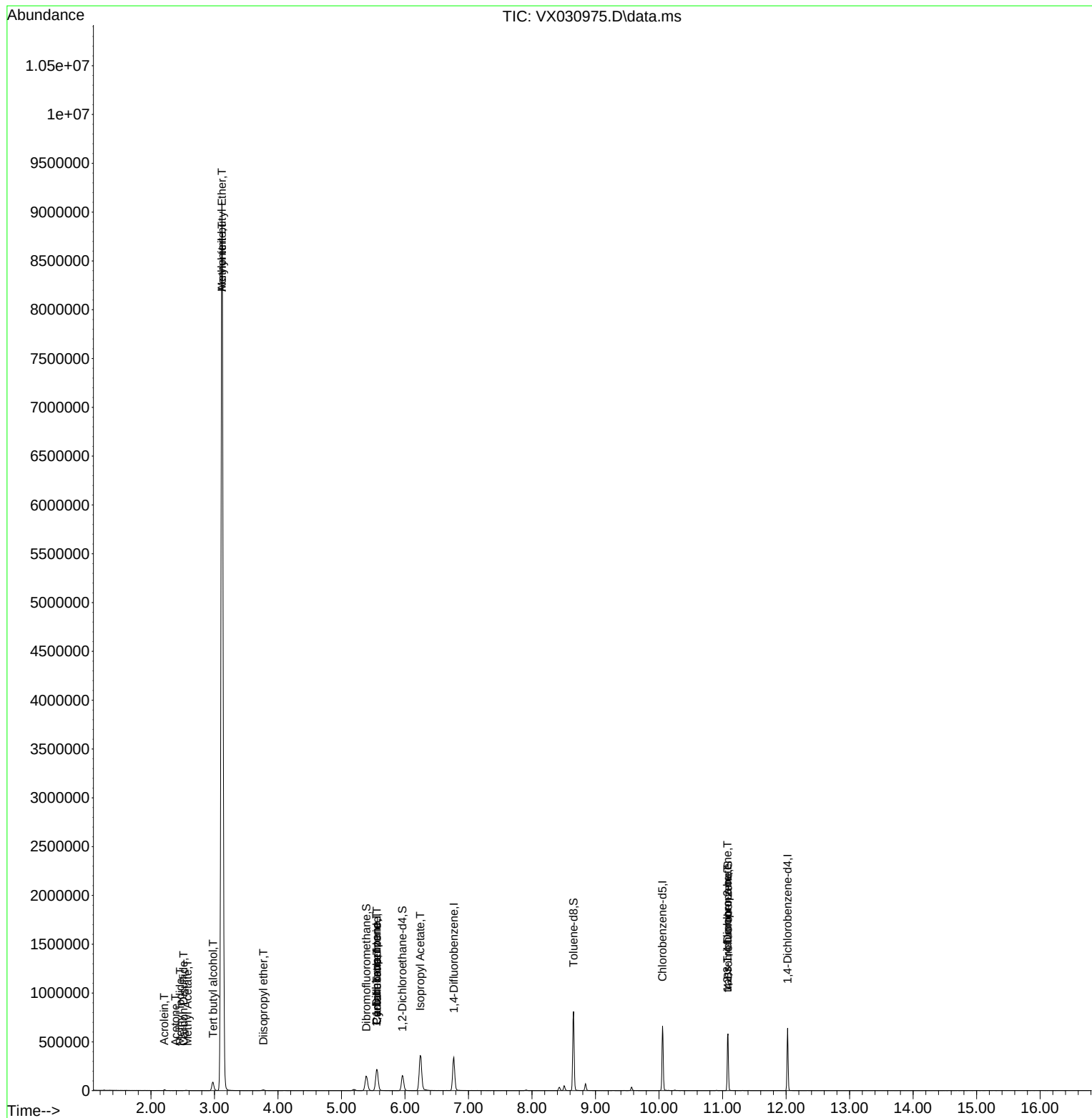
Internal Standards						
1) Pentafluorobenzene	5.556	168	214459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149200	48.505	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.020%		
35) Dibromofluoromethane	5.391	113	135532	50.669	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.340%		
50) Toluene-d8	8.653	98	507982	51.280	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.560%		
62) 4-Bromofluorobenzene	11.085	95	163090	46.233	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.460%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	305	Below Cal	#	58
10) Methyl Iodide	2.459	142	192	4.448	ug/l #	45
11) Tert butyl alcohol	2.977	59	110362	151.439	ug/l #	74
13) Acrolein	2.209	56	306	8.077	ug/l #	1
15) Acrylonitrile	3.117	53	105000	65.248	ug/l #	30
16) Acetone	2.386	43	1269	0.914	ug/l	98
17) Carbon Disulfide	2.514	76	1609	0.234	ug/l #	74
18) Methyl Acetate	2.575	43	1019	0.250	ug/l #	51
19) Methyl tert-butyl Ether	3.117	73	10832340	1276.036	ug/l	98
22) Diisopropyl ether	3.770	45	8132	0.933	ug/l #	72
31) Cyclohexane	5.556	56	4045	0.889	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15677	3.943	ug/l #	49
38) Carbon Tetrachloride	5.556	117	20490	5.414	ug/l #	18
43) Isopropyl Acetate	6.239	43	91229	14.066	ug/l #	61
76) 1,2,3-Trichloropropane	11.079	75	75718	23.168	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75718	68.881	ug/l #	13

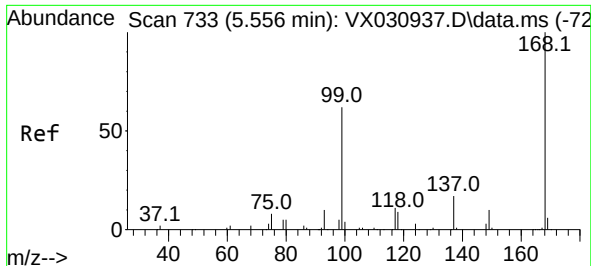
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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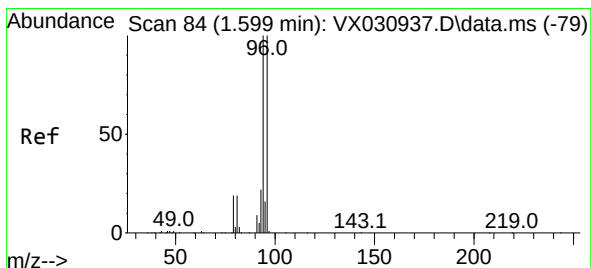
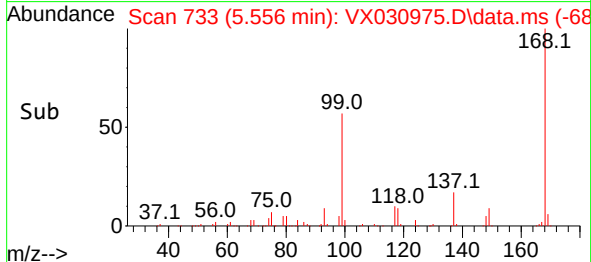
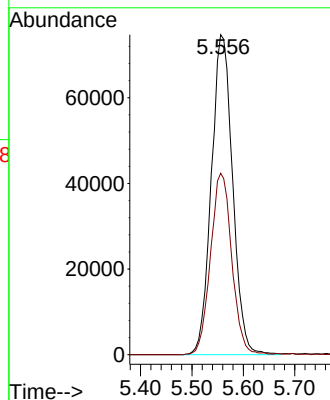
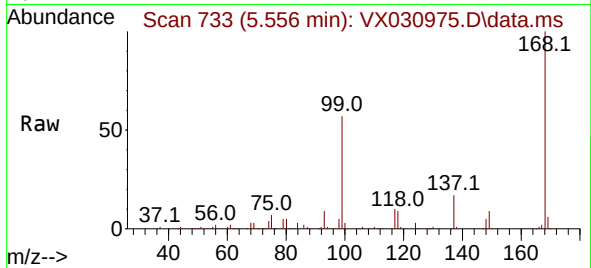




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

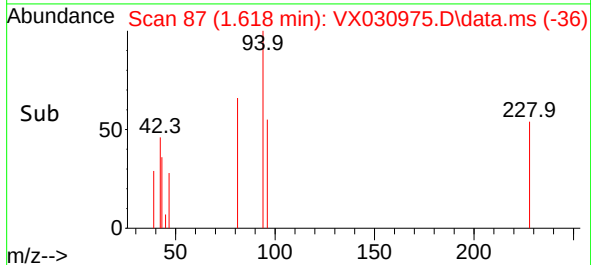
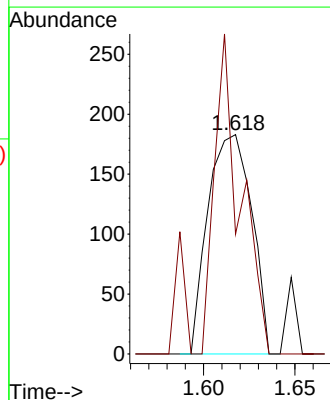
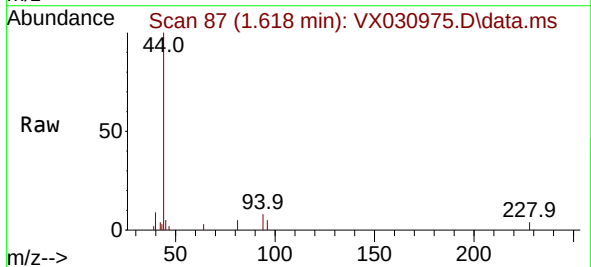
Instrument :
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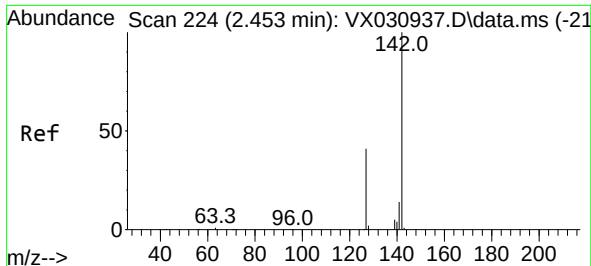
Tgt Ion:168 Resp: 214459
Ion Ratio Lower Upper
168 100
99 56.7 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.013 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion: 94 Resp: 305
Ion Ratio Lower Upper
94 100
96 54.6 76.9 115.3#





#10

Methyl Iodide

Concen: 4.448 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030975.D

Acq: 31 Aug 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

MW-36

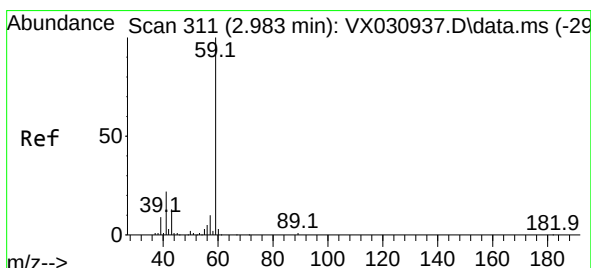
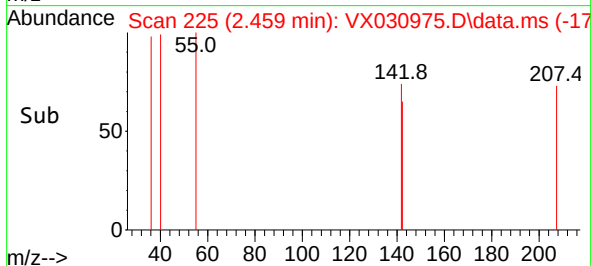
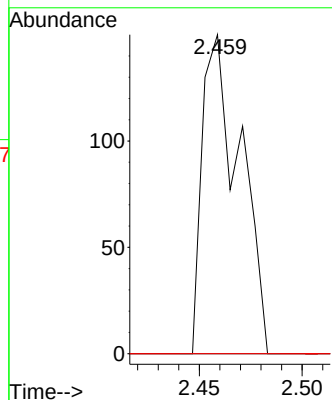
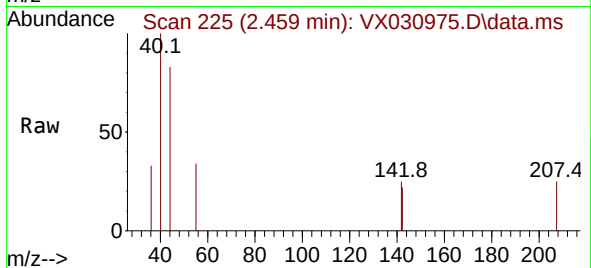
Tgt Ion:142 Resp: 192

Ion Ratio Lower Upper

142 100

127 0.0 30.2 45.2#

141 0.0 11.3 16.9#



#11

Tert butyl alcohol

Concen: 151.439 ug/l

RT: 2.977 min Scan# 310

Delta R.T. -0.012 min

Lab File: VX030975.D

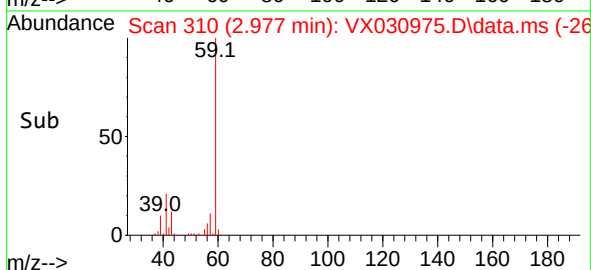
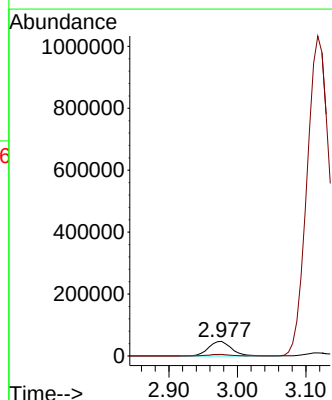
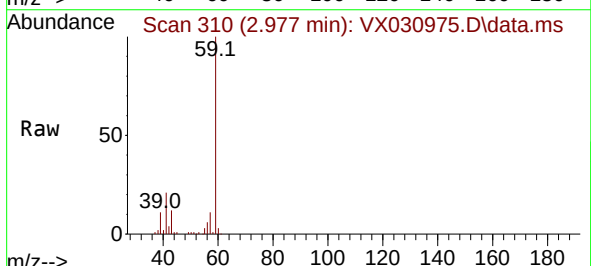
Acq: 31 Aug 2022 13:59

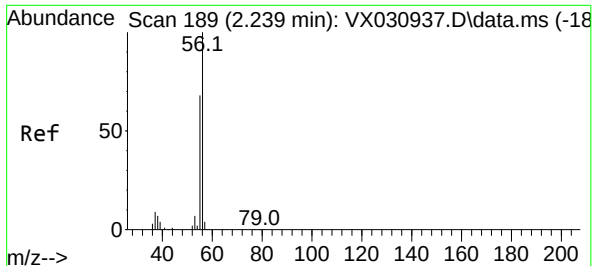
Tgt Ion: 59 Resp: 110362

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#

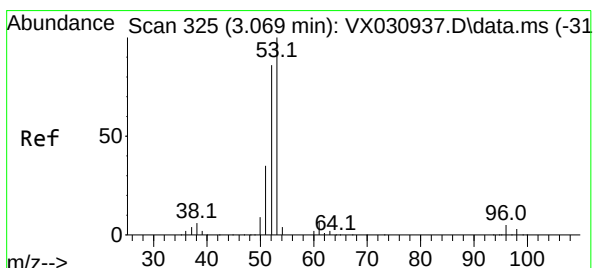
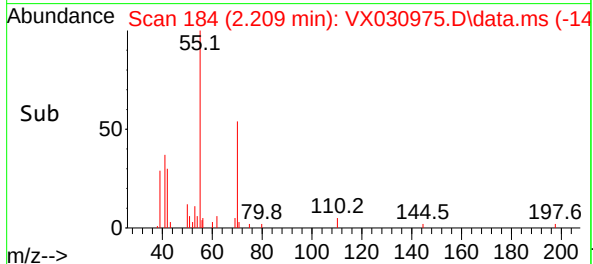
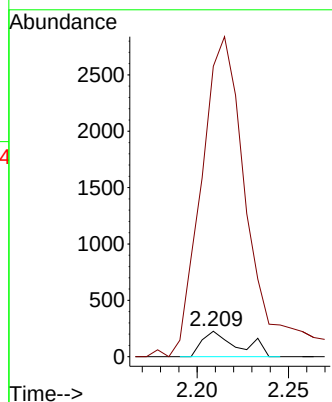
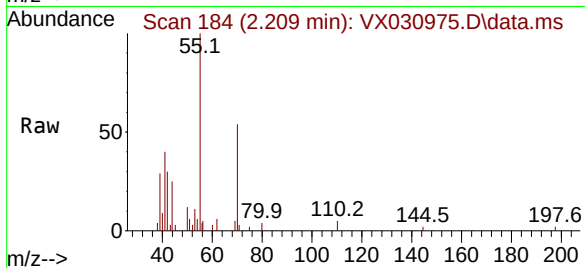




#13
Acrolein
Concen: 8.077 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

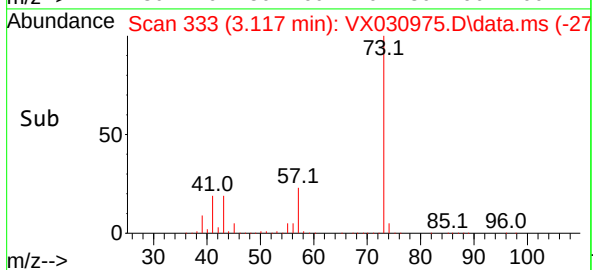
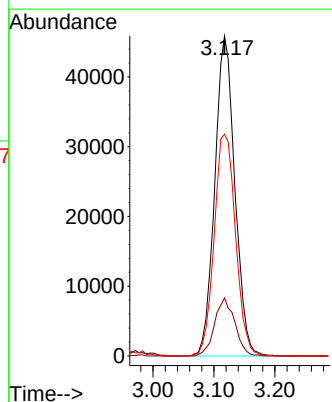
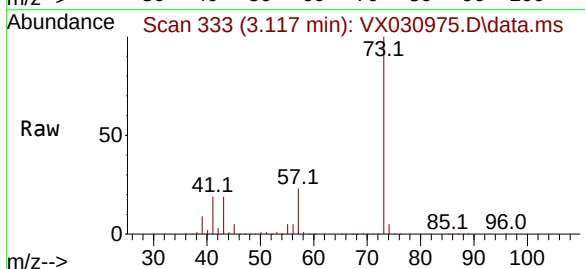
Instrument :
MSVOA_X
ClientSampleId :
MW-36

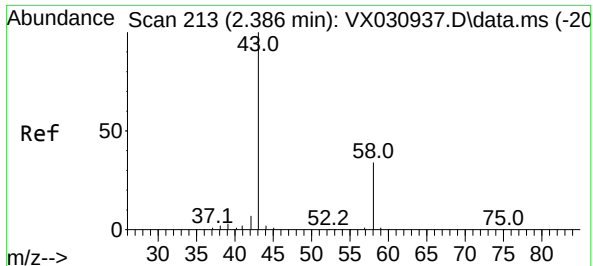
Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 1654.9 56.6 84.8#



#15
Acrylonitrile
Concen: 65.248 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.048 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion: 53 Resp: 105000
Ion Ratio Lower Upper
53 100
52 18.2 65.4 98.0#
51 73.8 27.7 41.5#

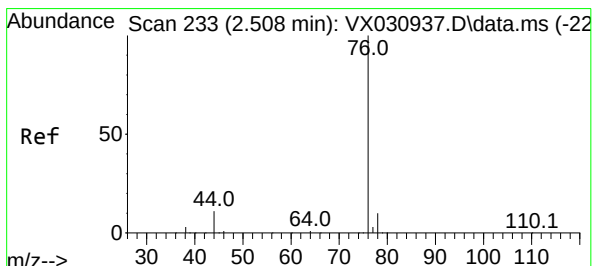
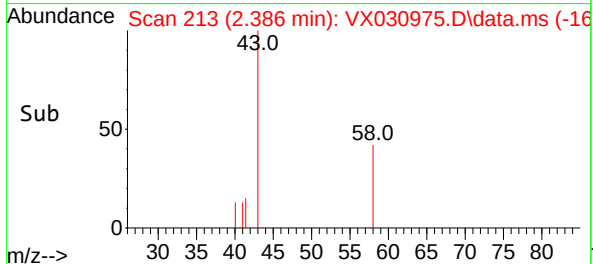
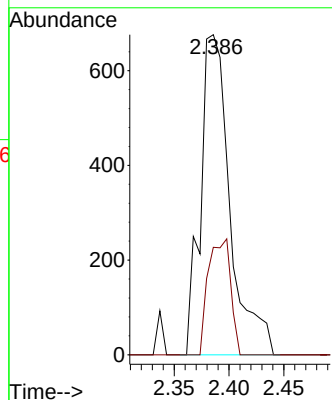
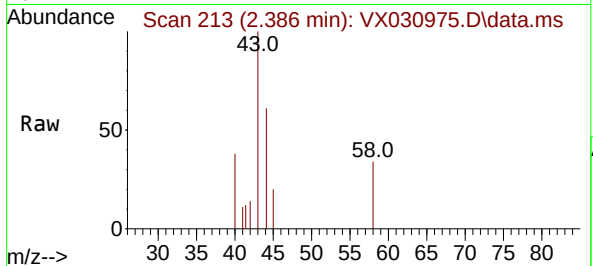




#16
Acetone
Concen: 0.914 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

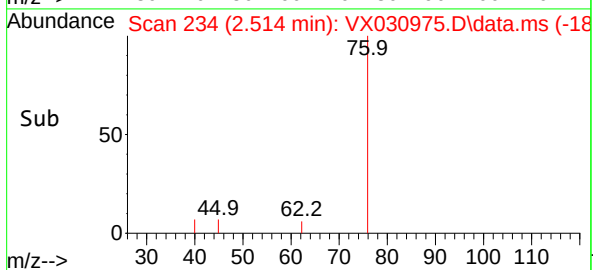
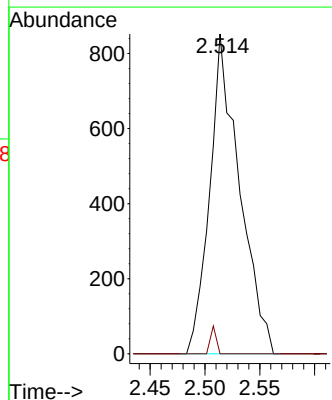
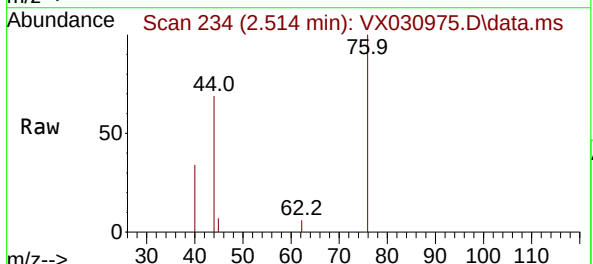
Instrument :
MSVOA_X
ClientSampleId :
MW-36

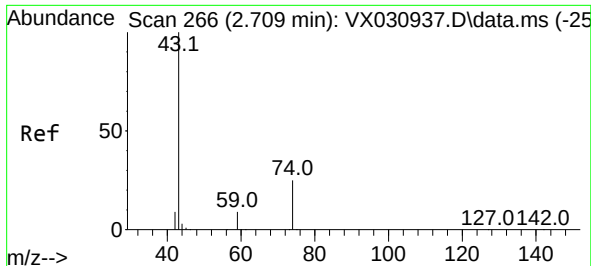
Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
58 33.6 27.7 41.5



#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion: 76 Resp: 1609
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

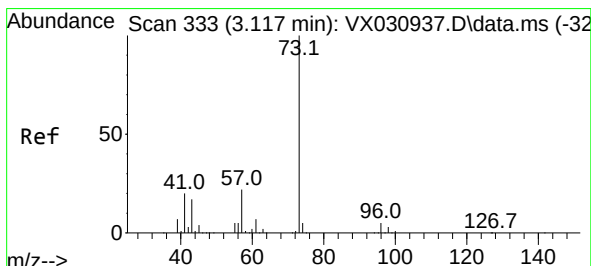
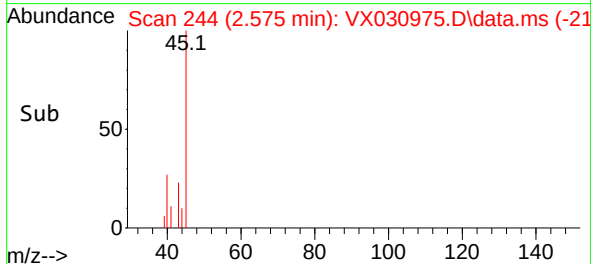
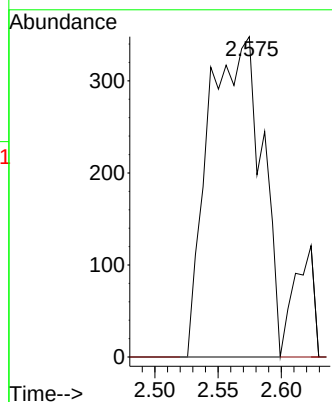
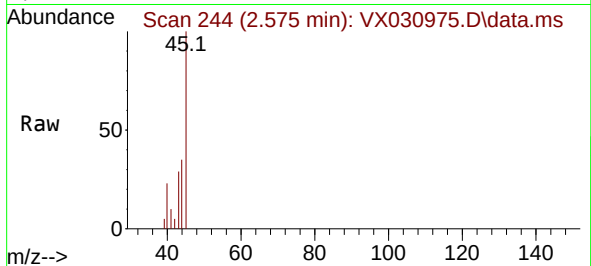




#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 2.575 min Scan# 244
Delta R.T. -0.134 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

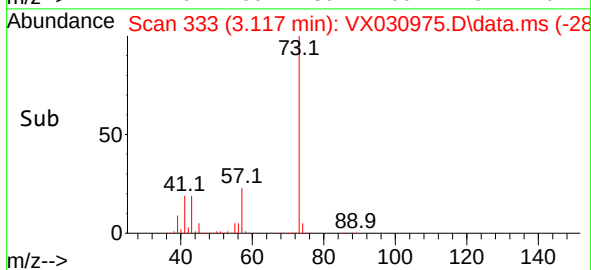
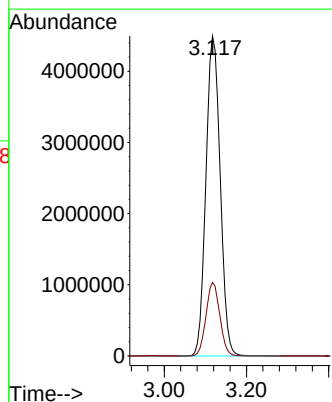
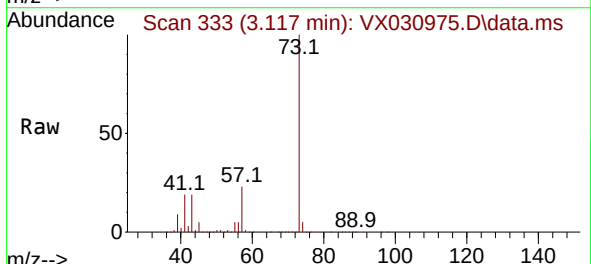
Instrument :
MSVOA_X
ClientSampleId :
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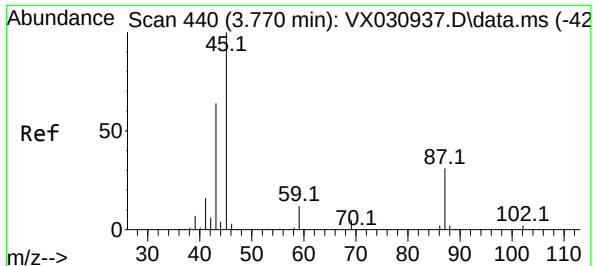
Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 1276.036 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion: 73 Resp: 10832340
Ion Ratio Lower Upper
73 100
57 23.0 19.0 28.6

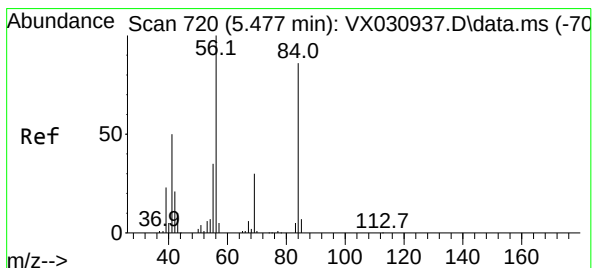
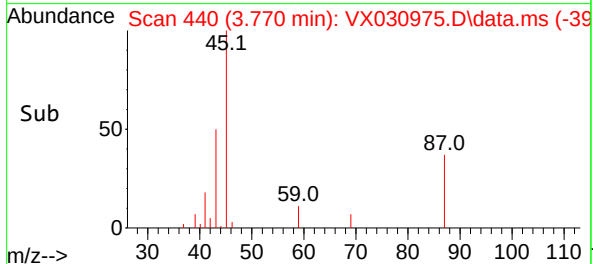
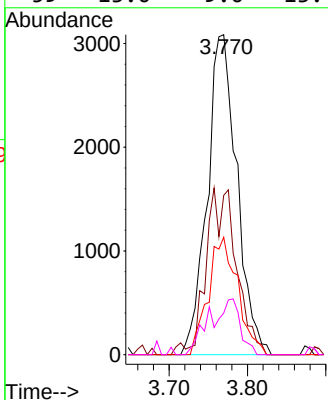
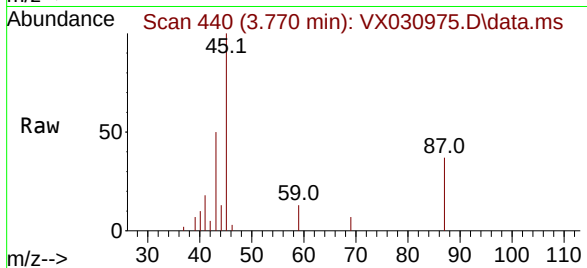




#22
Diisopropyl ether
Concen: 0.933 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

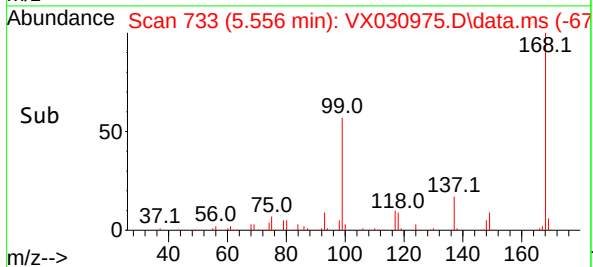
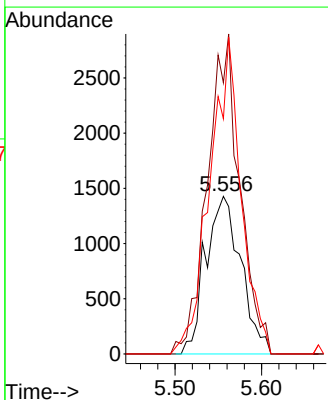
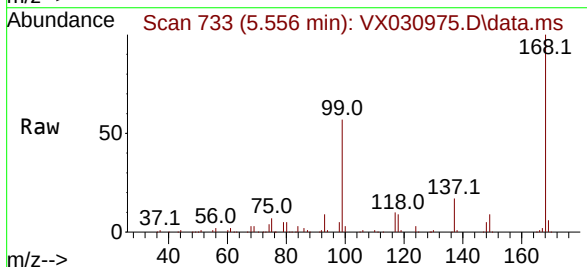
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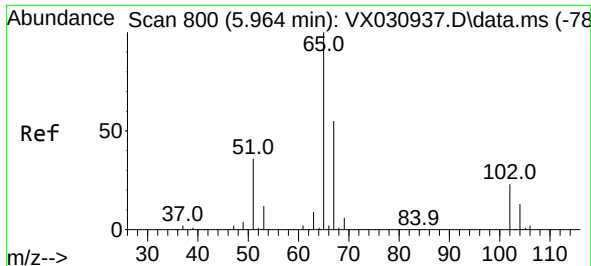
Tgt Ion:	45	Resp:	8132
Ion	Ratio	Lower	Upper
45	100		
43	49.8	65.4	98.0#
87	36.7	22.3	33.5#
59	13.0	9.0	13.4



#31
Cyclohexane
Concen: 0.889 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion:	56	Resp:	4045
Ion	Ratio	Lower	Upper
56	100		
69	172.0	25.4	38.0#
84	149.2	68.9	103.3#

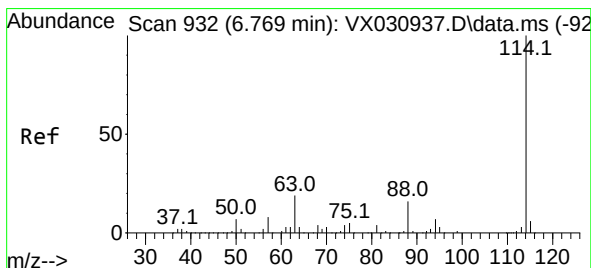
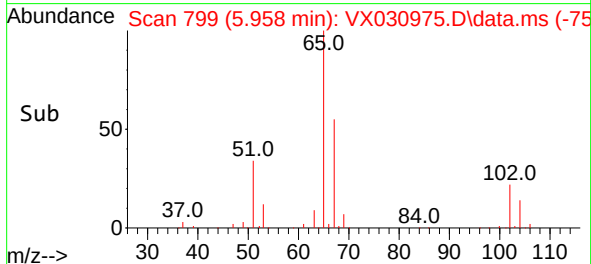
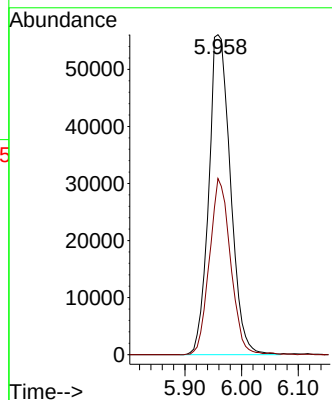
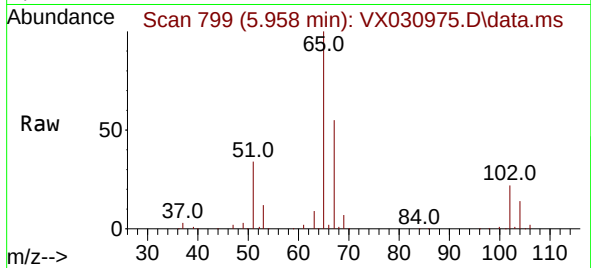




#33
 1,2-Dichloroethane-d4
 Concen: 48.505 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX030975.D
 Acq: 31 Aug 2022 13:59

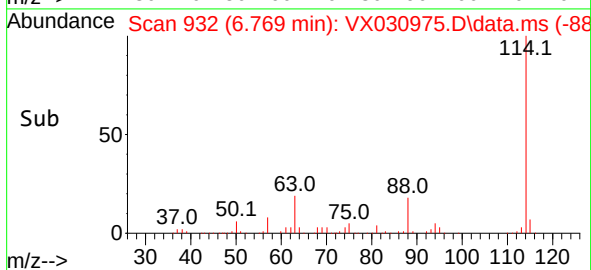
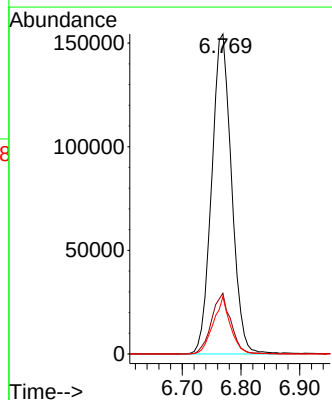
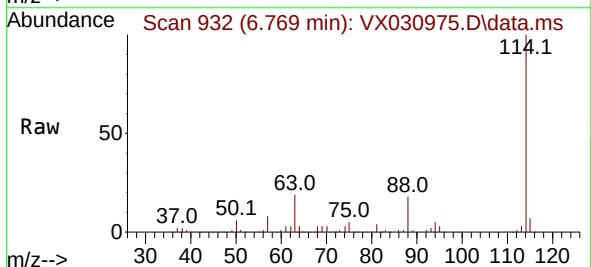
Instrument :
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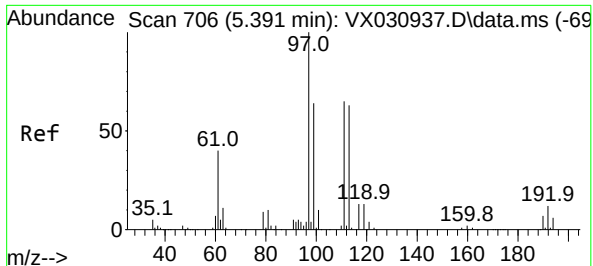
Tgt Ion: 65 Resp: 149200
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX030975.D
 Acq: 31 Aug 2022 13:59

Tgt Ion: 114 Resp: 362869
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 17.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.669 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030975.D

Acq: 31 Aug 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

MW-36

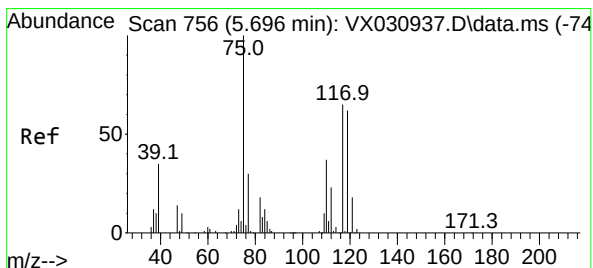
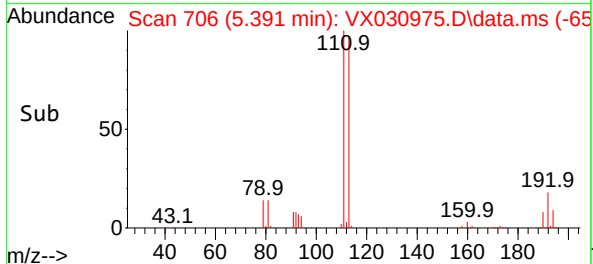
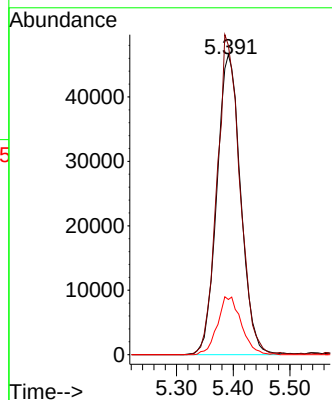
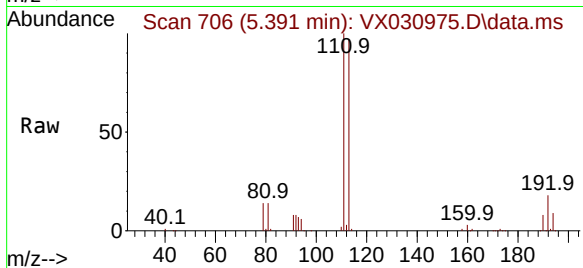
Tgt Ion:113 Resp: 135532

Ion Ratio Lower Upper

113 100

111 101.9 83.2 124.8

192 19.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.943 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030975.D

Acq: 31 Aug 2022 13:59

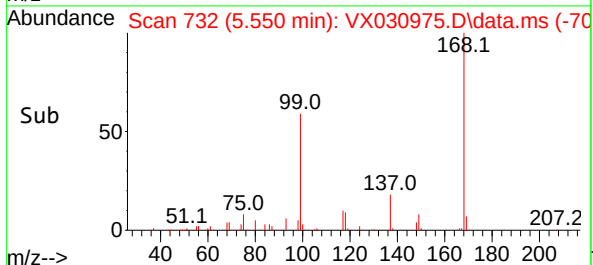
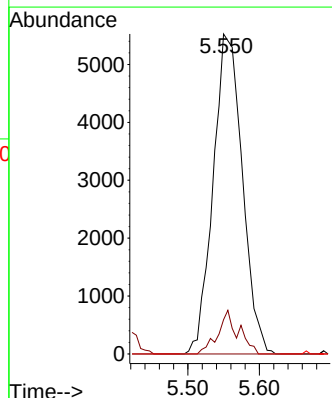
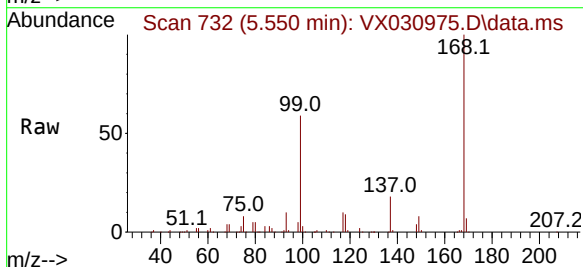
Tgt Ion: 75 Resp: 15677

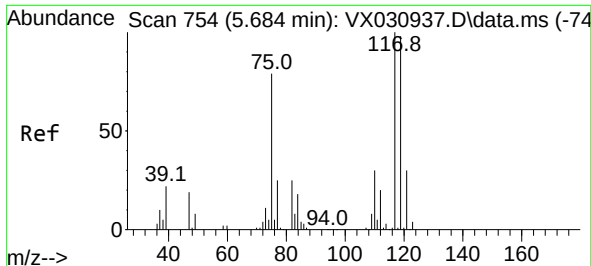
Ion Ratio Lower Upper

75 100

110 9.6 19.3 57.9#

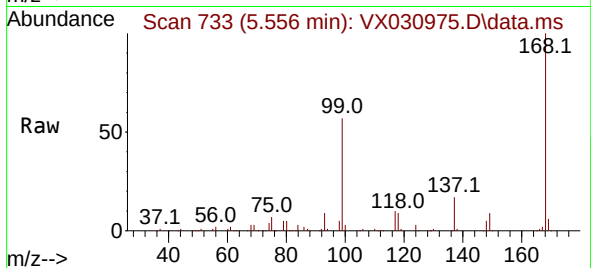
77 0.0 24.4 36.6#



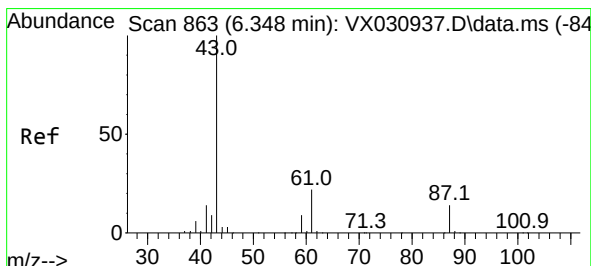
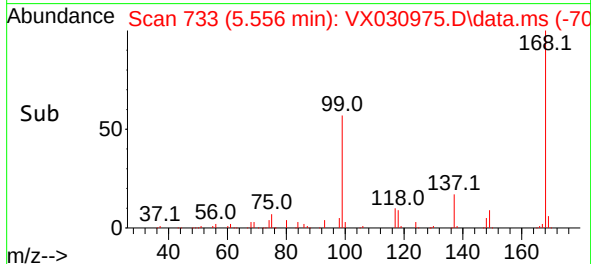
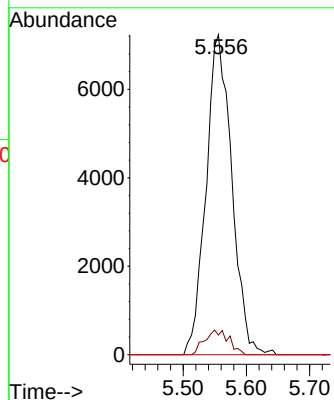


#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
MW-36

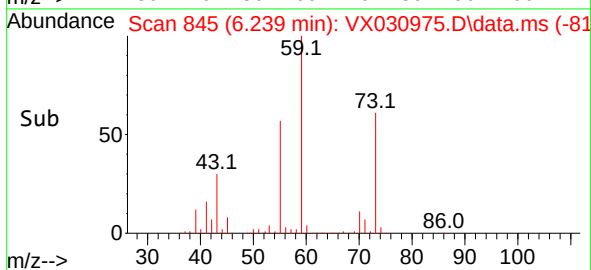
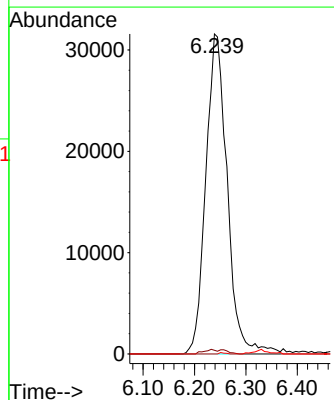
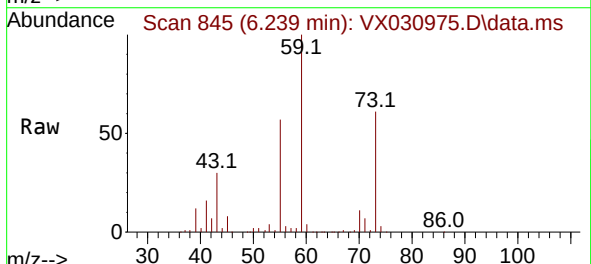


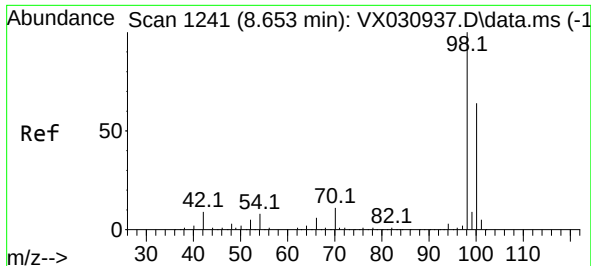
Tgt Ion:117 Resp: 20490
Ion Ratio Lower Upper
117 100
119 6.1 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 14.066 ug/l
RT: 6.239 min Scan# 845
Delta R.T. -0.109 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion: 43 Resp: 91229
Ion Ratio Lower Upper
43 100
61 0.8 16.5 24.7#
87 0.1 11.1 16.7#

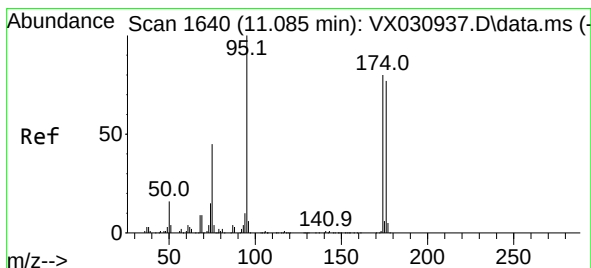
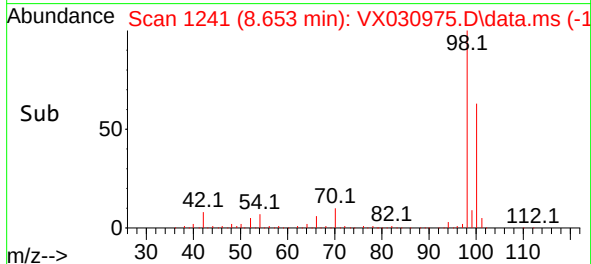
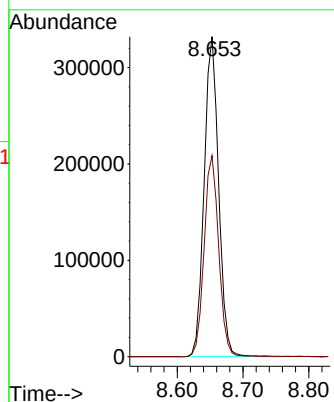
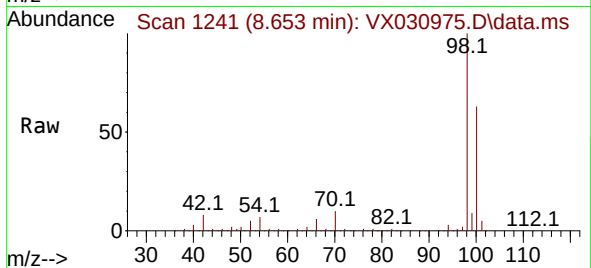




#50
Toluene-d8
Concen: 51.280 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

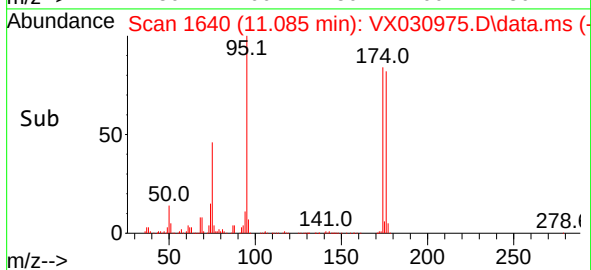
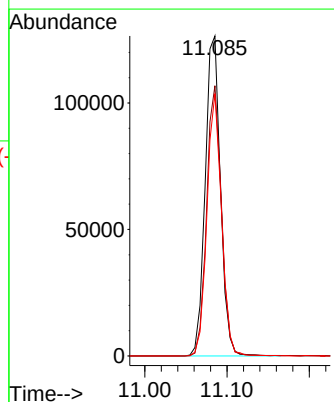
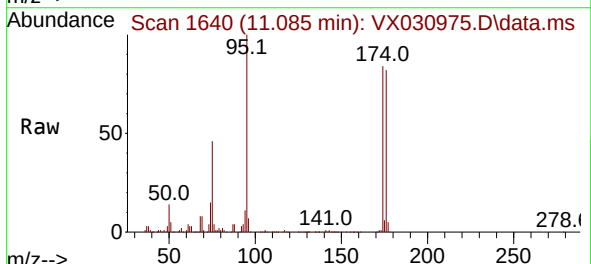
Instrument :
MSVOA_X
ClientSampleId :
MW-36

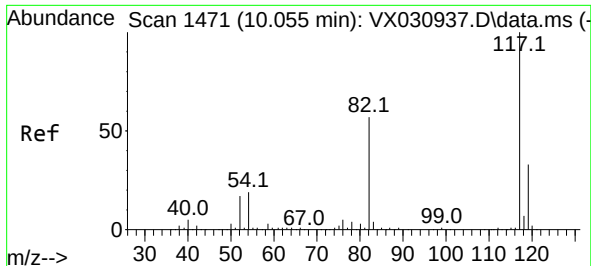
Tgt Ion: 98 Resp: 507982
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.233 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion: 95 Resp: 163090
Ion Ratio Lower Upper
95 100
174 82.2 0.0 149.0
176 78.4 0.0 146.0

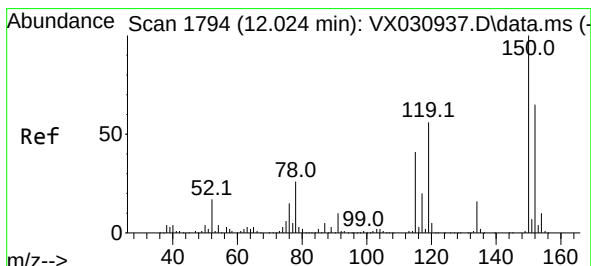
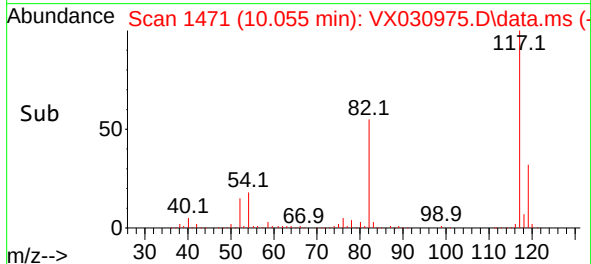
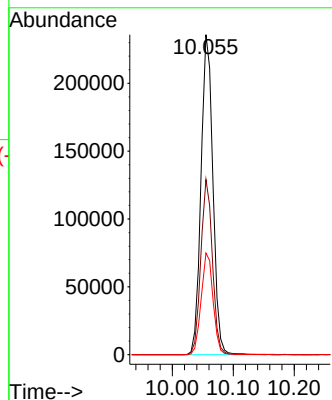
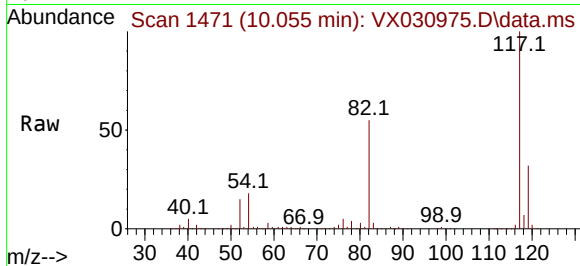




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

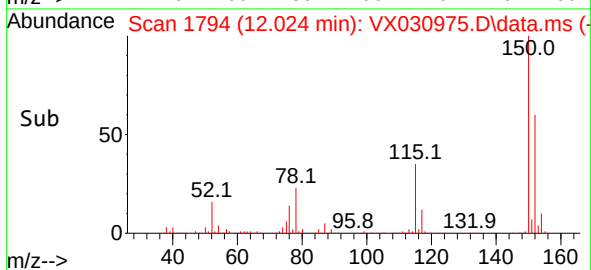
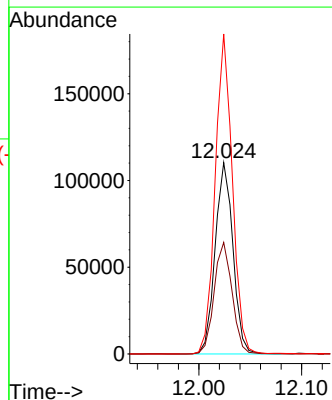
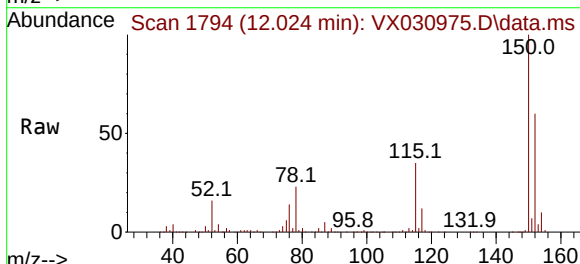
Instrument :
MSVOA_X
ClientSampleId :
MW-36

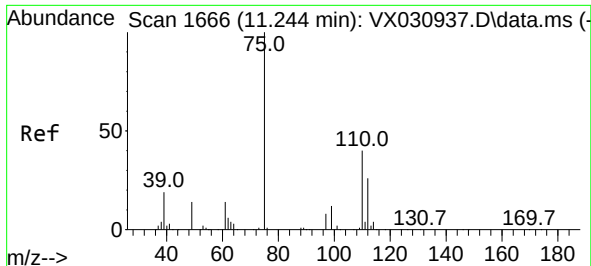
Tgt Ion:117 Resp: 319346
Ion Ratio Lower Upper
117 100
82 54.7 42.7 64.1
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion:152 Resp: 132754
Ion Ratio Lower Upper
152 100
115 58.9 40.5 121.5
150 161.2 0.0 347.0

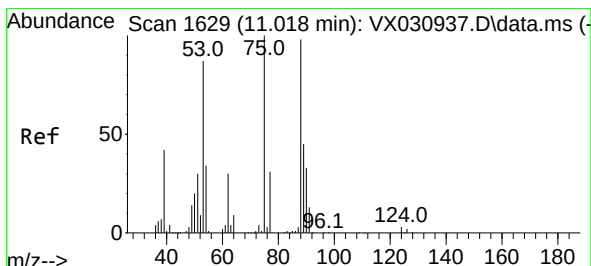
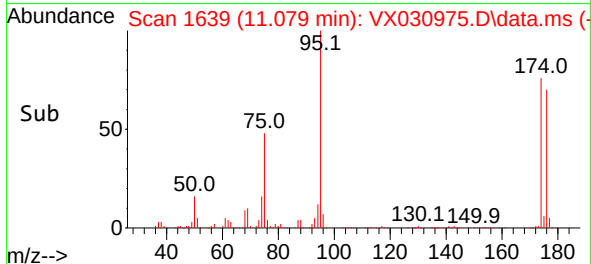
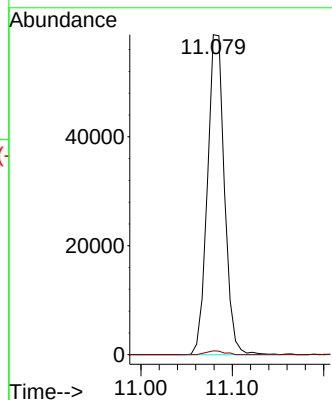
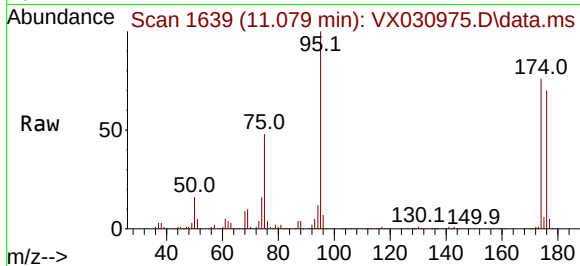




#76
1,2,3-Trichloropropane
Concen: 23.168 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :
MW-36

Tgt Ion: 75 Resp: 75718
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.881 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030975.D
Acq: 31 Aug 2022 13:59

Tgt Ion: 75 Resp: 75718
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

