

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020724\
 Data File : VX040160.D
 Acq On : 07 Feb 2024 18:23
 Operator : JC/MD
 Sample : P1375-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 08 00:36:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

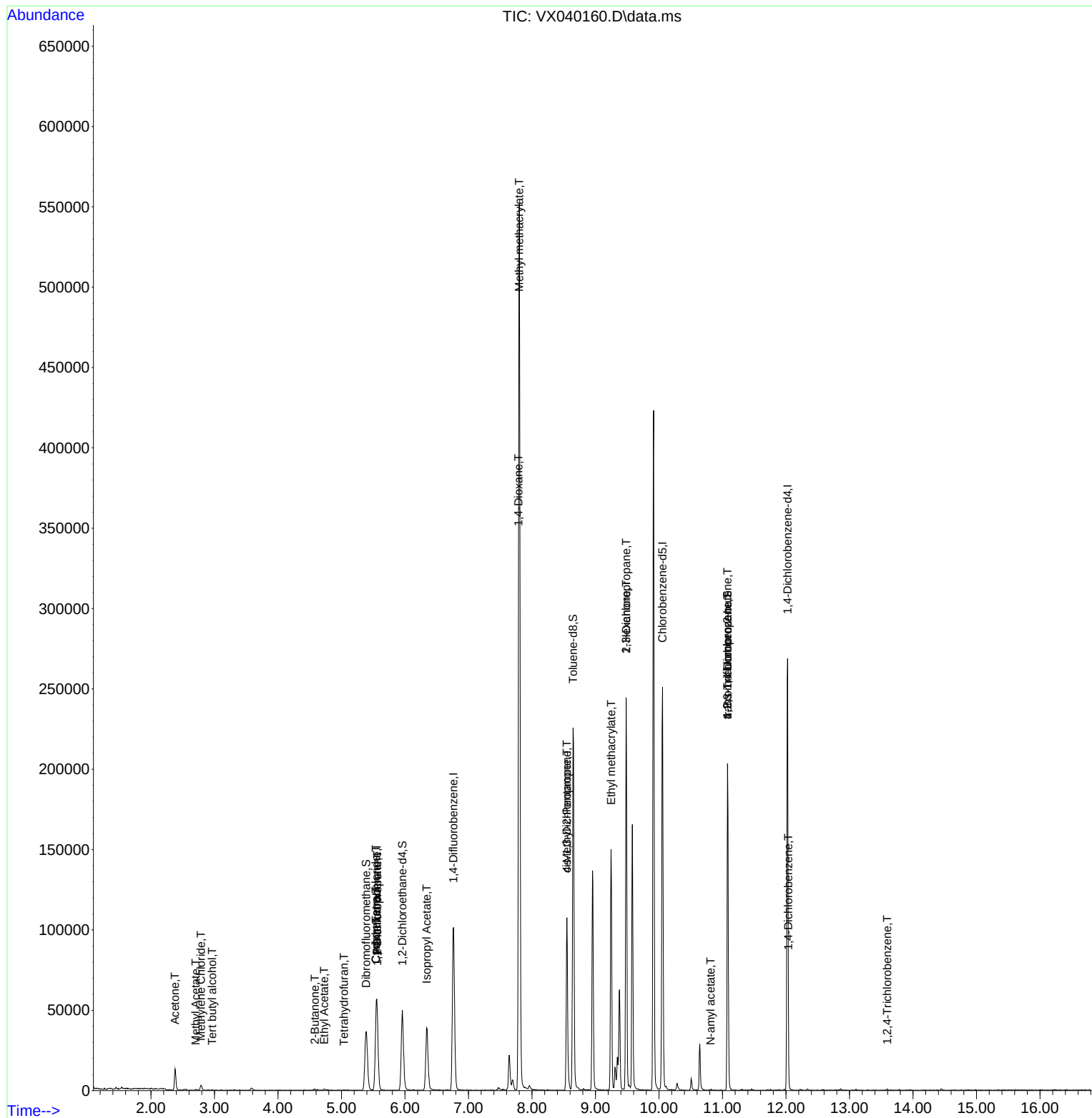
Internal Standards						
1) Pentafluorobenzene	5.556	168	47797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	94823	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44309	57.602	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.200%			
35) Dibromofluoromethane	5.385	113	31218	48.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.720%			
50) Toluene-d8	8.647	98	130066	53.881	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.760%			
62) 4-Bromofluorobenzene	11.079	95	51486	55.391	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.780%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	100	0.716	ug/l #	78
16) Acetone	2.380	43	13669	37.925	ug/l	99
18) Methyl Acetate	2.703	43	658	0.771	ug/l #	85
20) Methylene Chloride	2.788	84	1358	2.120	ug/l	92
25) 2-Butanone	4.581	43	1231	2.457	ug/l	99
29) Tetrahydrofuran	5.038	42	133	0.417	ug/l #	34
31) Cyclohexane	5.544	56	1676	1.739	ug/l #	42
36) 1,1-Dichloropropene	5.562	75	5167	5.535	ug/l #	50
37) Ethyl Acetate	4.727	43	2014	1.975	ug/l #	82
38) Carbon Tetrachloride	5.544	117	5403	6.049	ug/l #	15
43) Isopropyl Acetate	6.342	43	53837	33.485	ug/l	98
48) Methyl methacrylate	7.799	41	50136	63.303	ug/l #	50
49) 1,4-Dioxane	7.787	88	22	1.278	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	39068	35.597	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15048	14.168	ug/l #	68
56) Ethyl methacrylate	9.244	69	300	0.293	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1994	1.726	ug/l #	42
59) 2-Hexanone	9.482	43	29825	34.083	ug/l #	54
74) N-amyl acetate	10.811	43	230	0.343	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	31555	30.334	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	31555	86.793	ug/l #	5
88) 1,4-Dichlorobenzene	12.037	146	346	0.207	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	215	0.219	ug/l	91

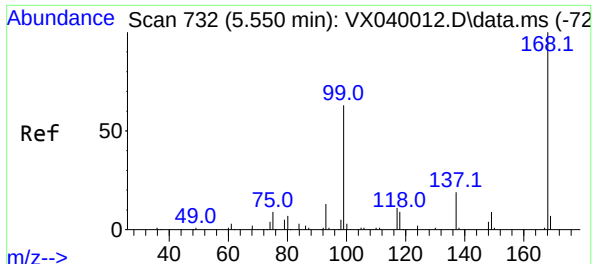
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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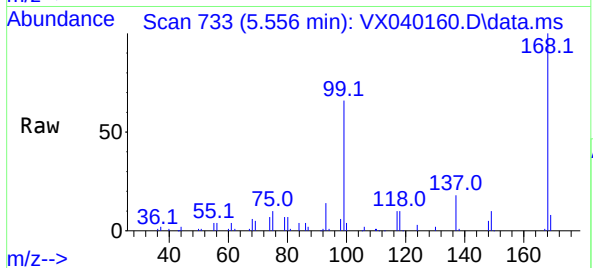
Quant Time: Feb 08 00:36:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
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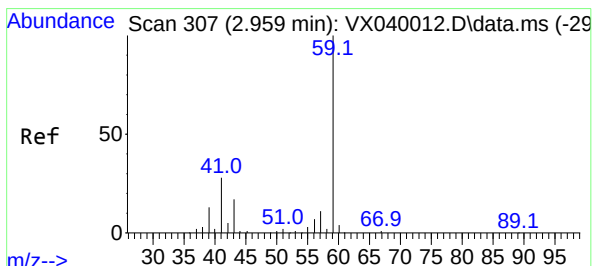
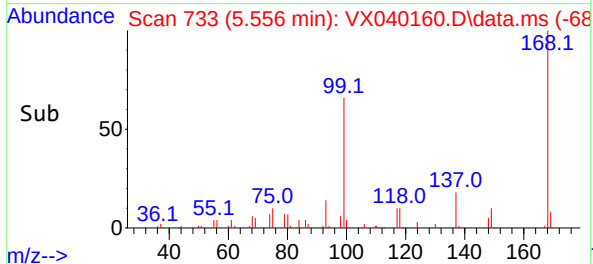
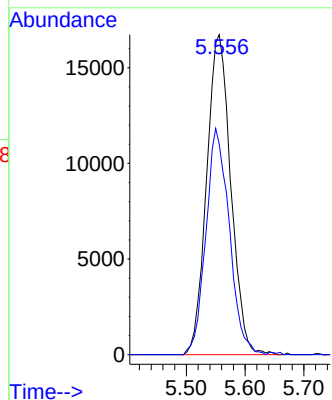


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Instrument :
MSVOA_X
ClientSampleId :

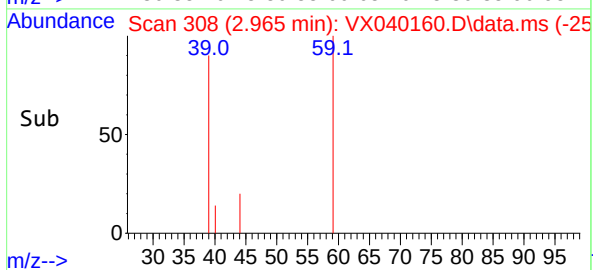
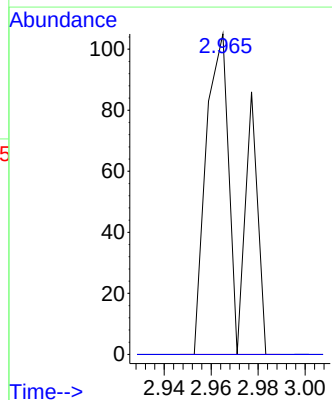
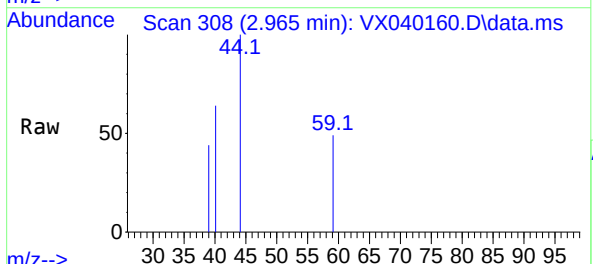


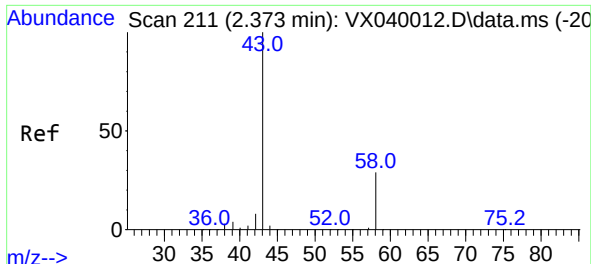
Tgt Ion:168 Resp: 47797
Ion Ratio Lower Upper
168 100
99 65.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.716 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion: 59 Resp: 100
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

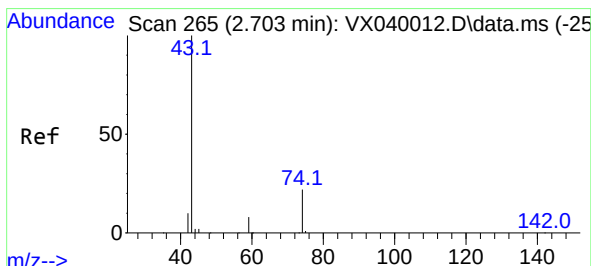
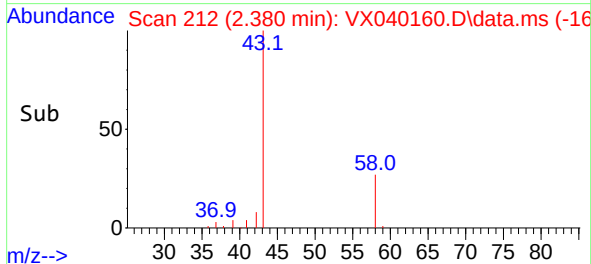
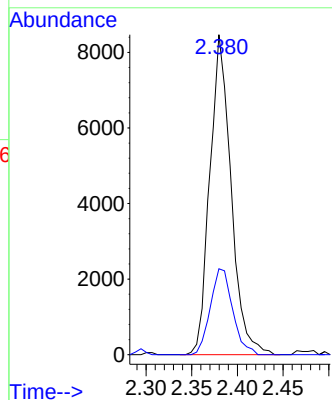
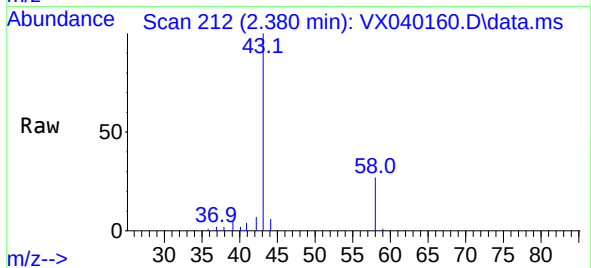




#16
Acetone
Concen: 37.925 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

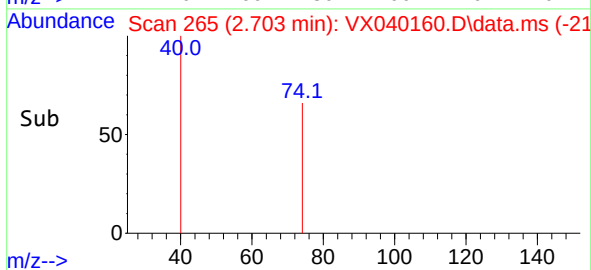
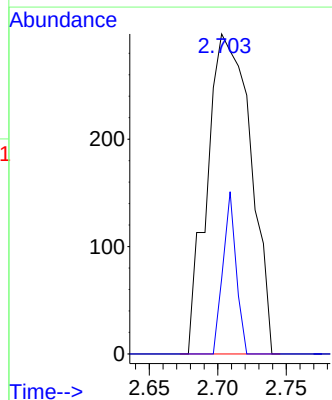
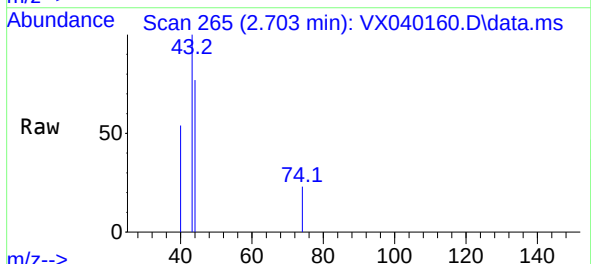
Instrument :
MSVOA_X
ClientSampleId :

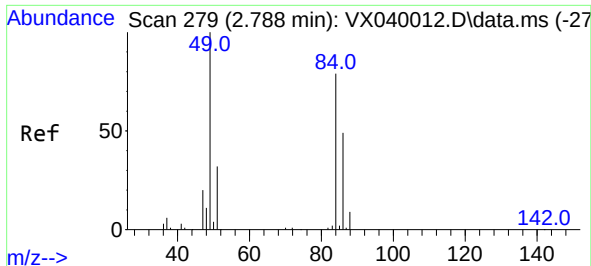
Tgt Ion: 43 Resp: 13669
Ion Ratio Lower Upper
43 100
58 26.9 21.9 32.9



#18
Methyl Acetate
Concen: 0.771 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

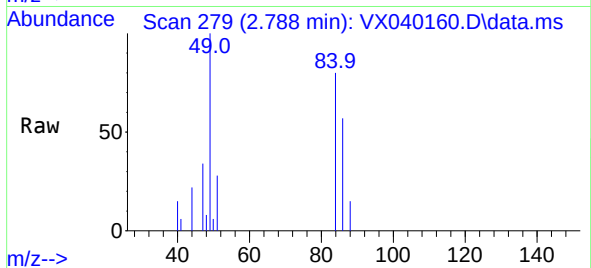
Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
74 15.3 17.8 26.8#





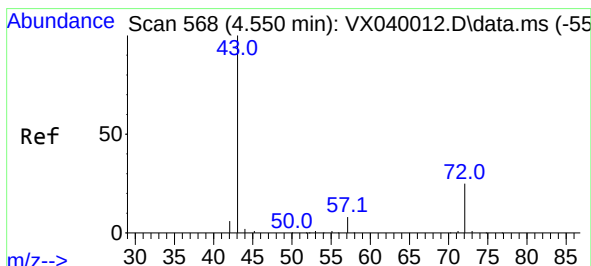
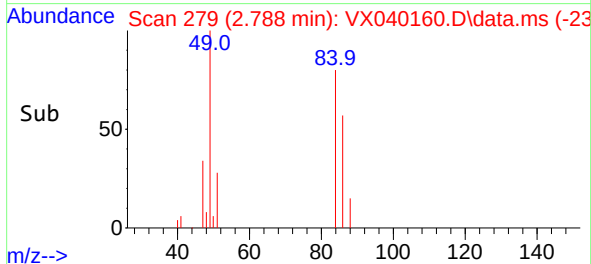
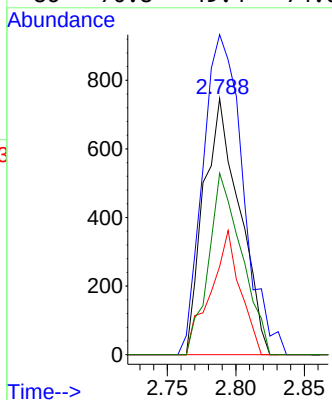
#20
Methylene Chloride
Concen: 2.120 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1358

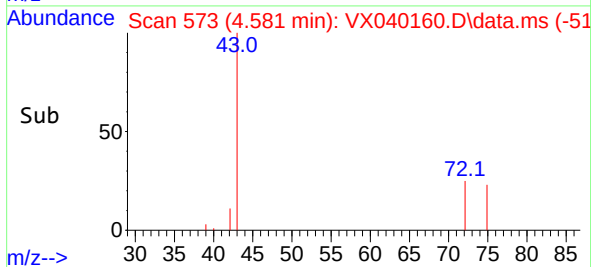
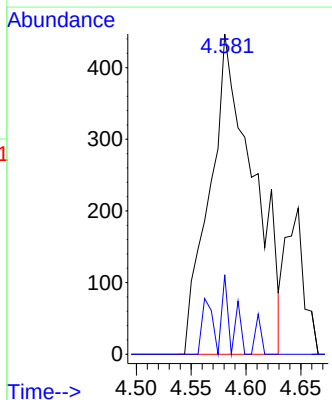
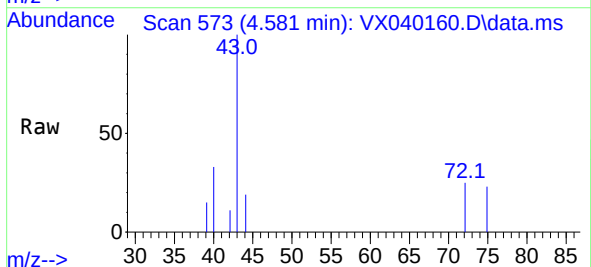
Ion	Ratio	Lower	Upper
84	100		
49	124.9	103.6	155.4
51	34.4	33.8	50.6
86	70.8	49.4	74.0

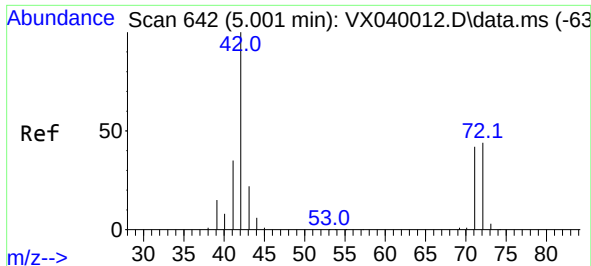


#25
2-Butanone
Concen: 2.457 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.031 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion: 43 Resp: 1231

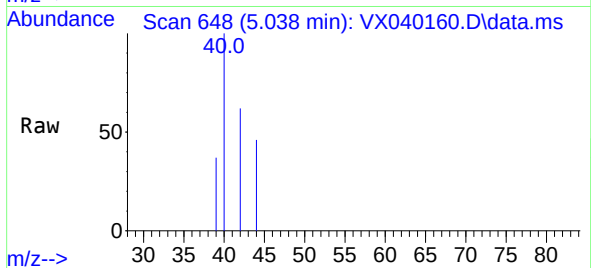
Ion	Ratio	Lower	Upper
43	100		
72	24.8	19.4	29.2



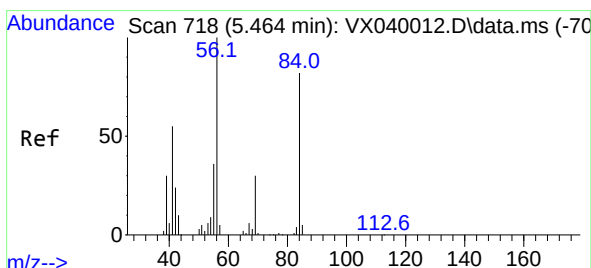
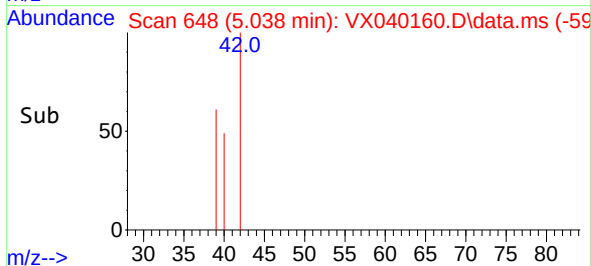
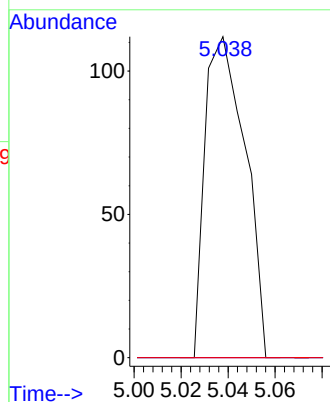


#29
Tetrahydrofuran
Concen: 0.417 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.037 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Instrument :
MSVOA_X
ClientSampleId :

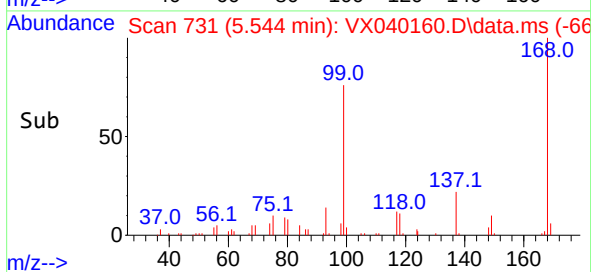
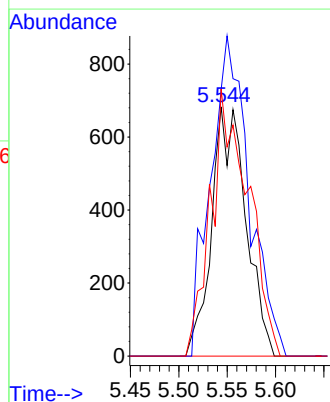
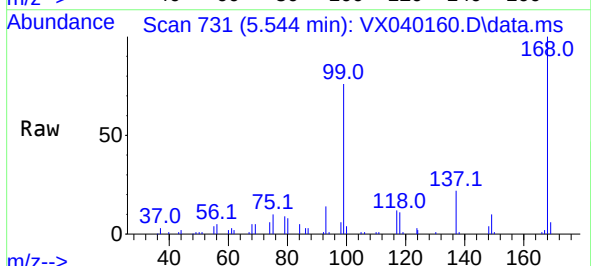


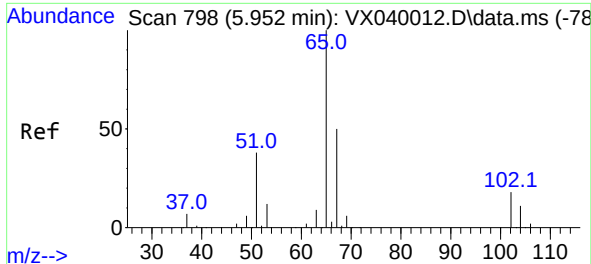
Tgt Ion: 42 Resp: 133
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



#31
Cyclohexane
Concen: 1.739 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion: 56 Resp: 1676
Ion Ratio Lower Upper
56 100
69 106.9 23.4 35.2#
84 107.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 57.602 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

Instrument :

MSVOA_X

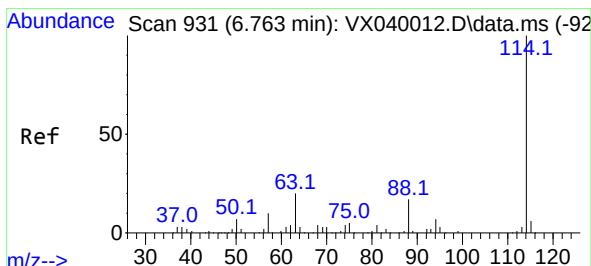
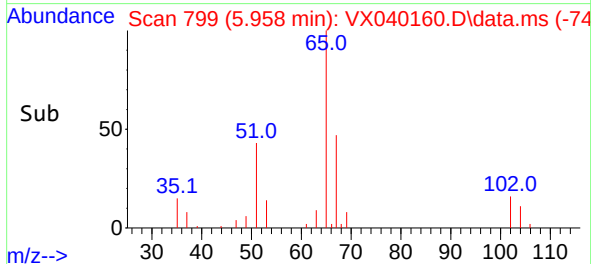
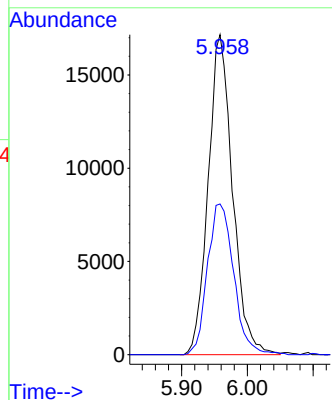
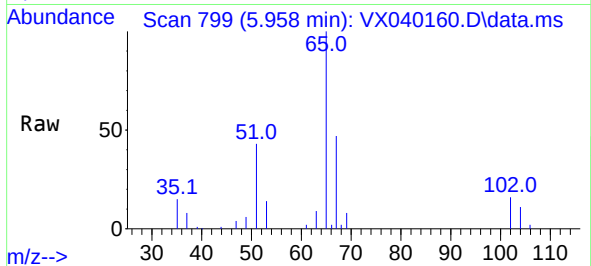
ClientSampleId :

Tgt Ion: 65 Resp: 44309

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

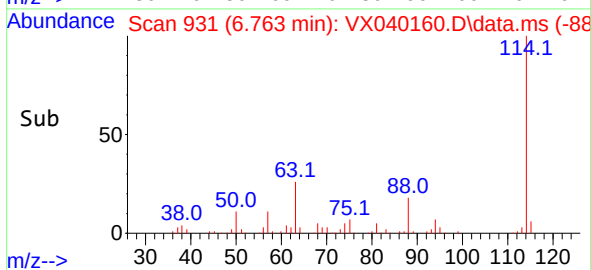
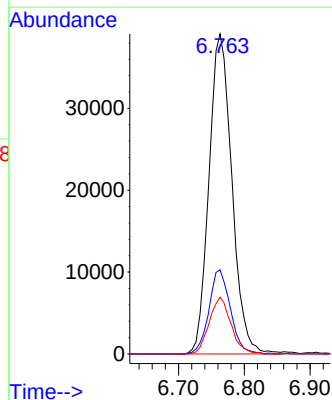
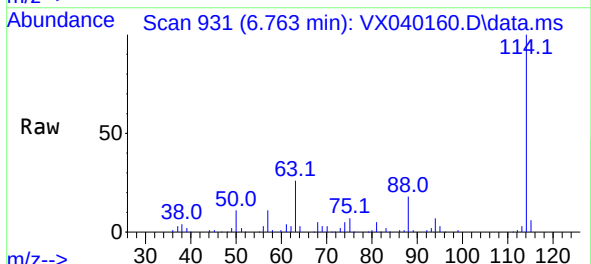
Tgt Ion: 114 Resp: 94823

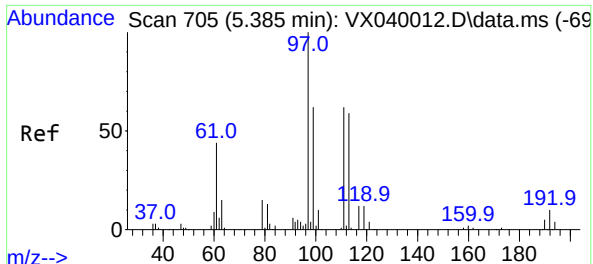
Ion Ratio Lower Upper

114 100

63 26.3 0.0 45.0

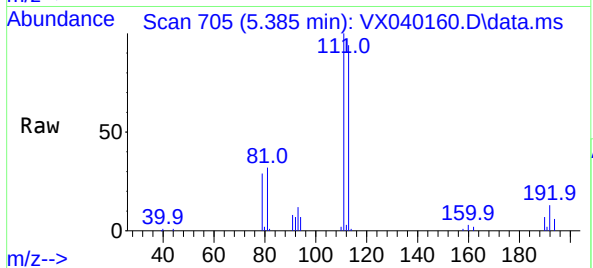
88 17.8 0.0 36.6



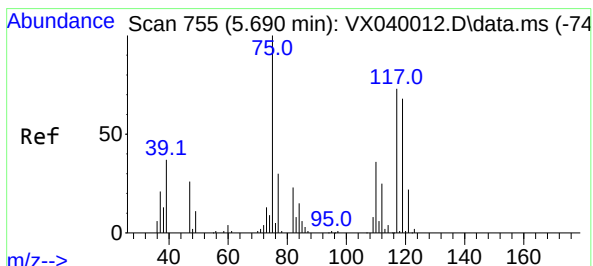
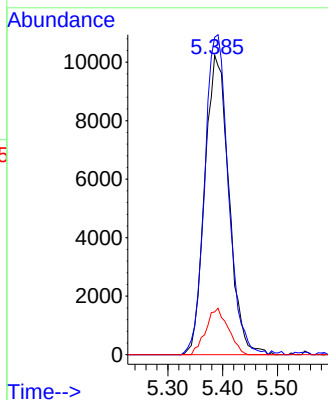
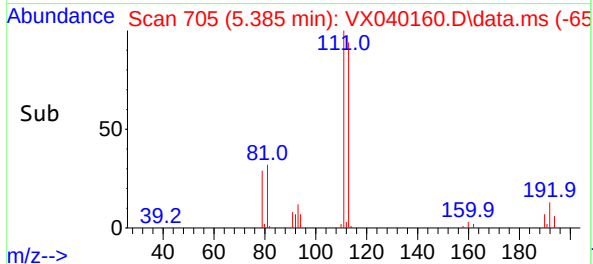


#35
Dibromofluoromethane
Concen: 48.363 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Instrument :
MSVOA_X
ClientSampleId :

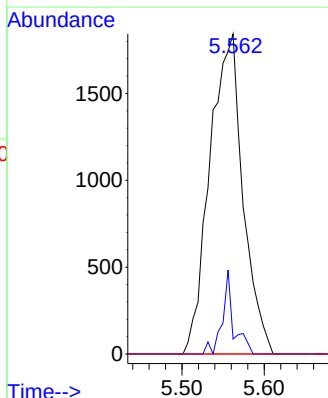
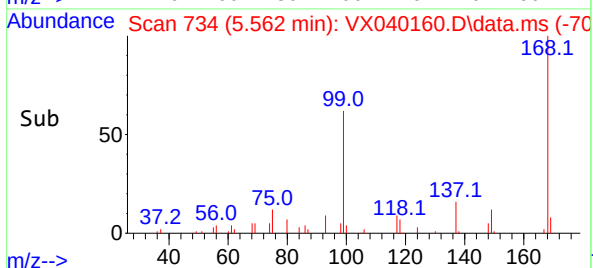
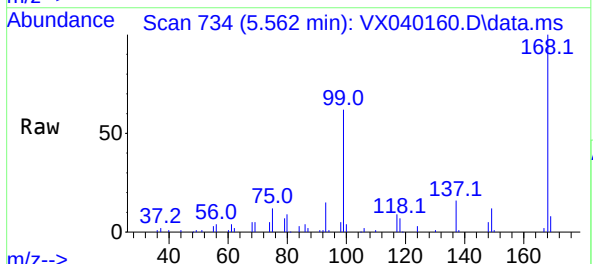


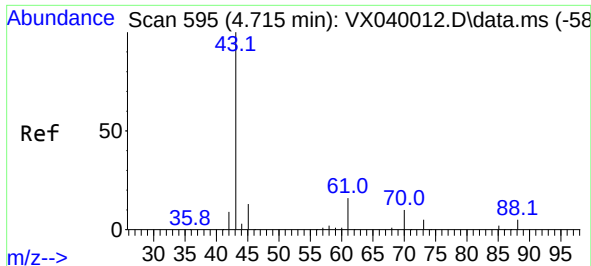
Tgt Ion:113 Resp: 31218
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 14.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.535 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion: 75 Resp: 5167
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.975 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

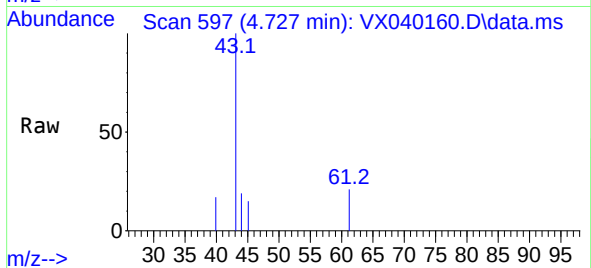
Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

Instrument :

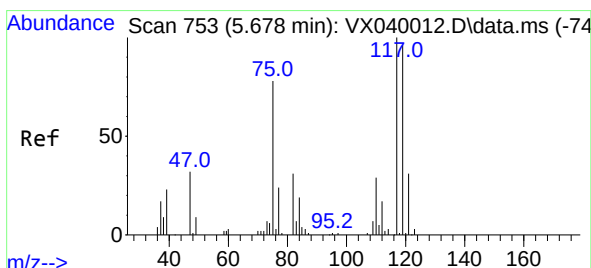
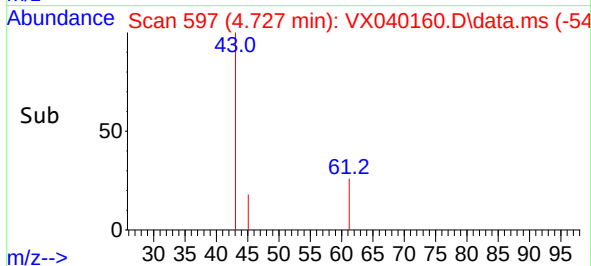
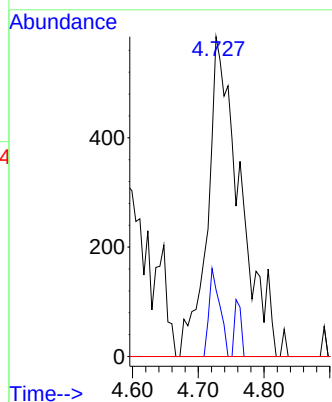
MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 2014

Ion	Ratio	Lower	Upper
43	100		
61	9.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.049 ug/l

RT: 5.544 min Scan# 731

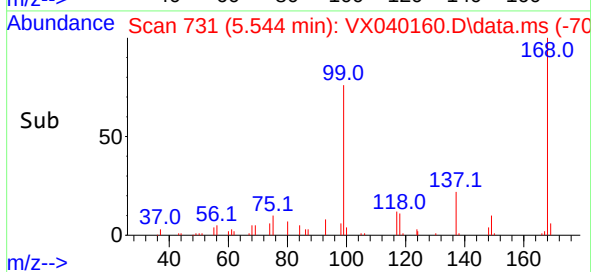
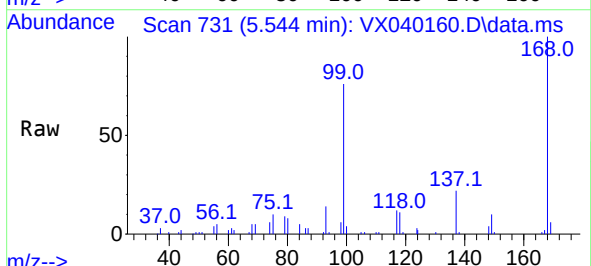
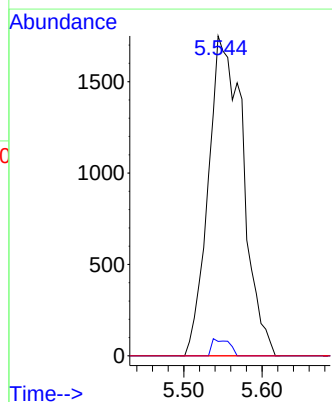
Delta R.T. -0.134 min

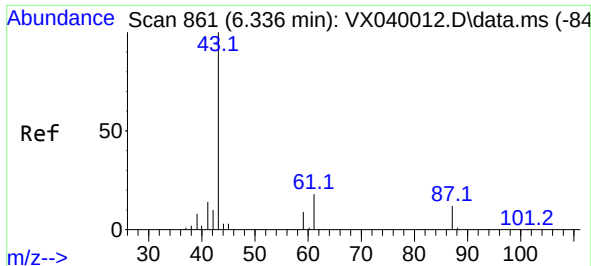
Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

Tgt Ion: 117 Resp: 5403

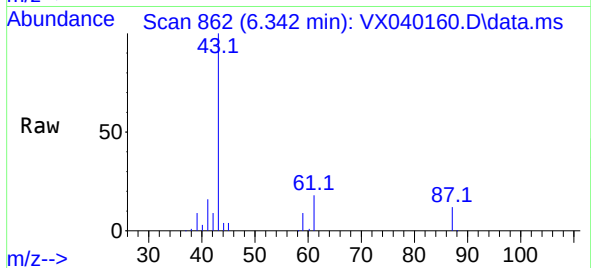
Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.2	117.2#
121	0.0	24.4	36.6#



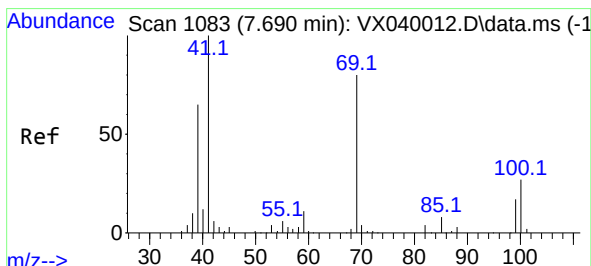
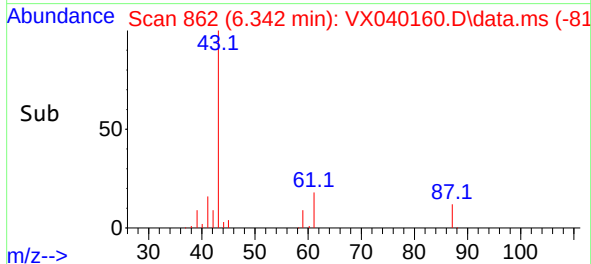
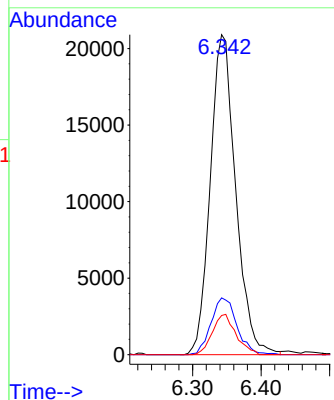


#43
Isopropyl Acetate
Concen: 33.485 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Instrument :
MSVOA_X
ClientSampleId :

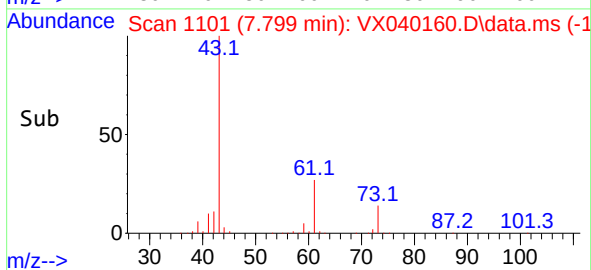
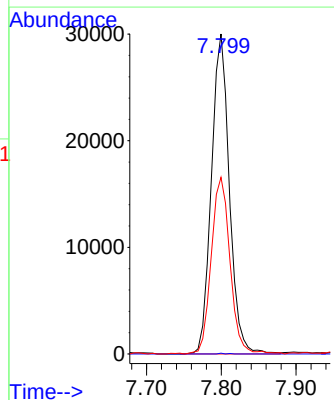
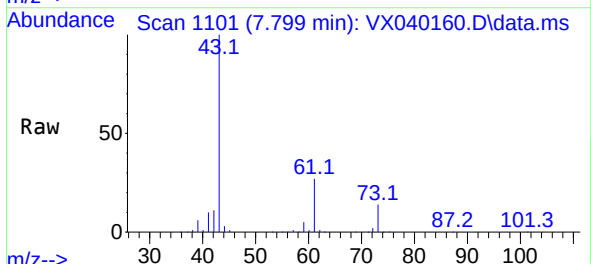


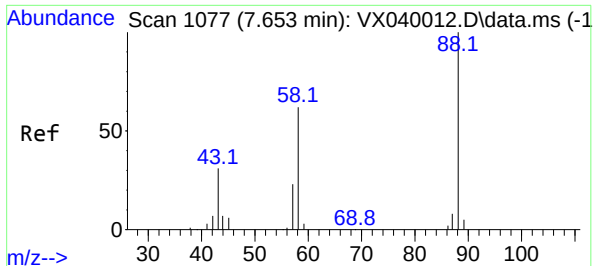
Tgt Ion: 43 Resp: 53837
Ion Ratio Lower Upper
43 100
61 18.1 15.2 22.8
87 11.7 9.8 14.6



#48
Methyl methacrylate
Concen: 63.303 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion: 41 Resp: 50136
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 57.7 47.7 71.5





#49

1,4-Dioxane

Concen: 1.278 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.134 min

Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

Instrument :

MSVOA_X

ClientSampleId :

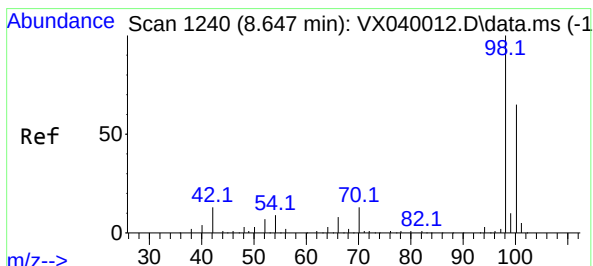
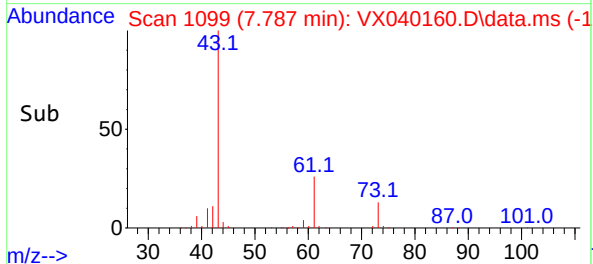
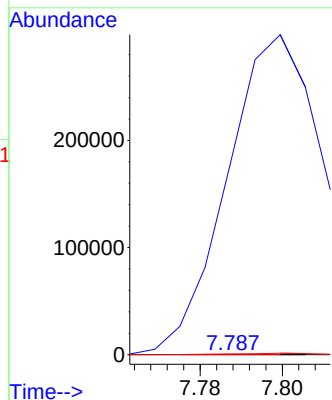
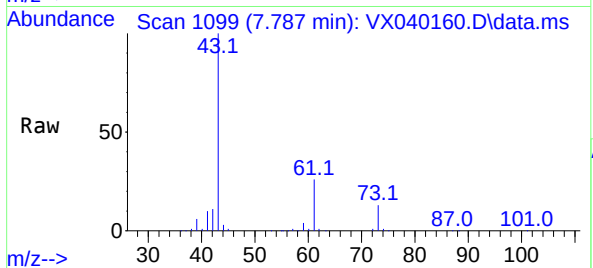
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 2340890.9 0.0 0.0#

58 9277.3 60.1 90.1#



#50

Toluene-d8

Concen: 53.881 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX040160.D

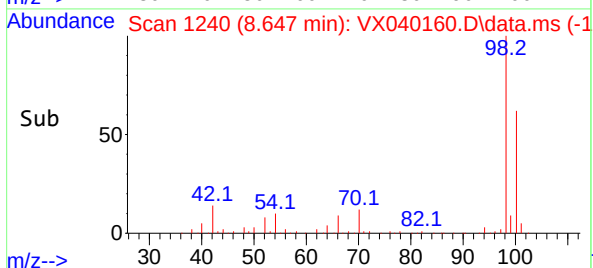
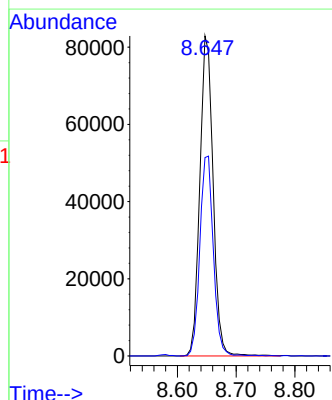
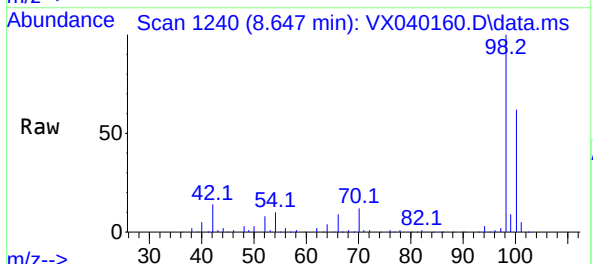
Acq: 07 Feb 2024 18:23

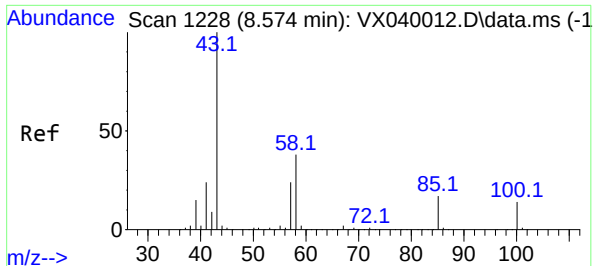
Tgt Ion: 98 Resp: 130066

Ion Ratio Lower Upper

98 100

100 63.4 53.1 79.7

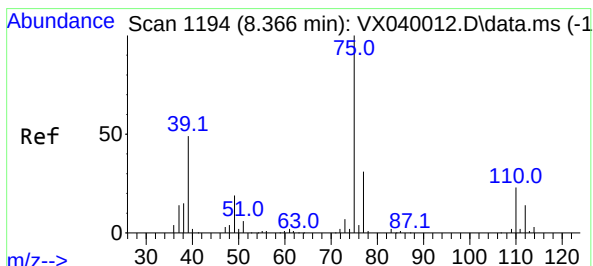
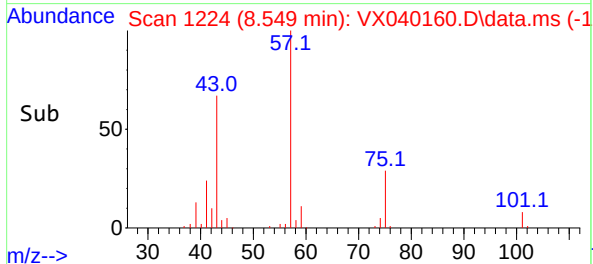
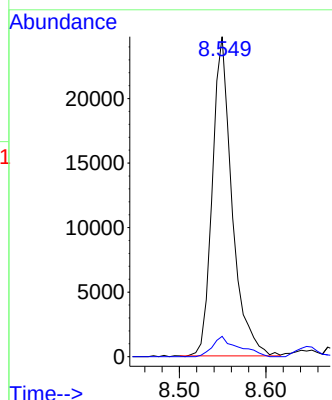
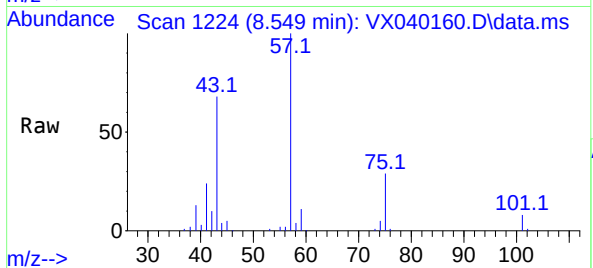




#51
4-Methyl-2-Pentanone
Concen: 35.597 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

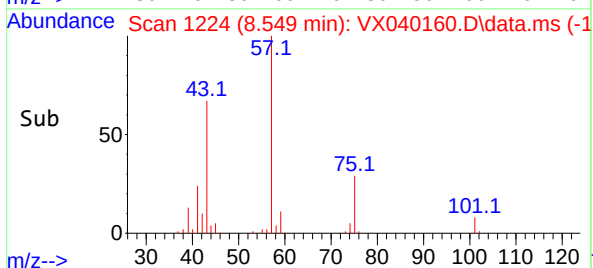
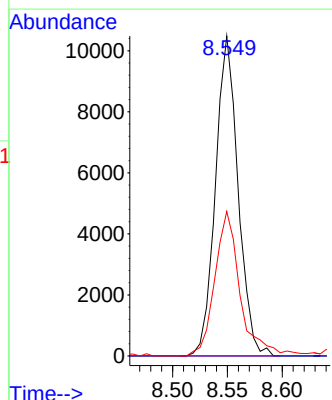
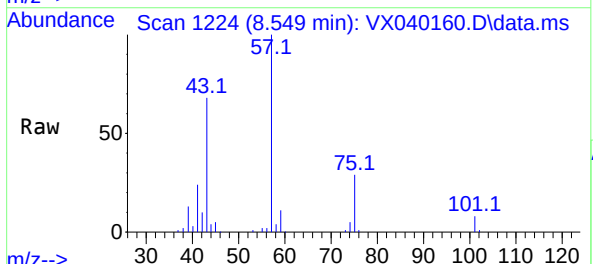
Instrument :
MSVOA_X
ClientSampleId :

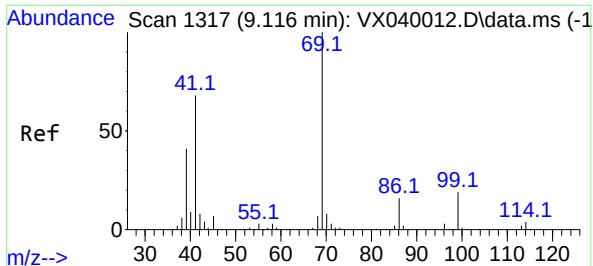
Tgt Ion: 43 Resp: 39068
Ion Ratio Lower Upper
43 100
58 8.2 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 14.168 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion: 75 Resp: 15048
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 45.2 46.7 70.1#





#56

Ethyl methacrylate

Concen: 0.293 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

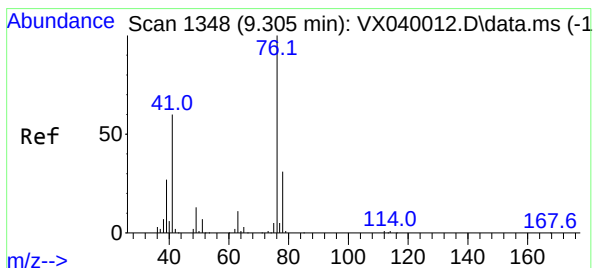
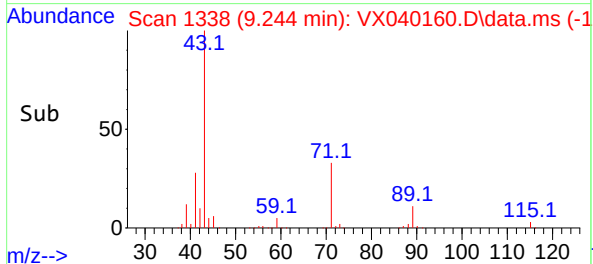
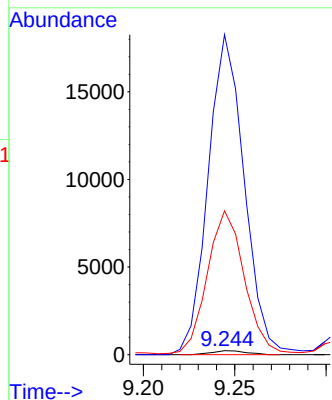
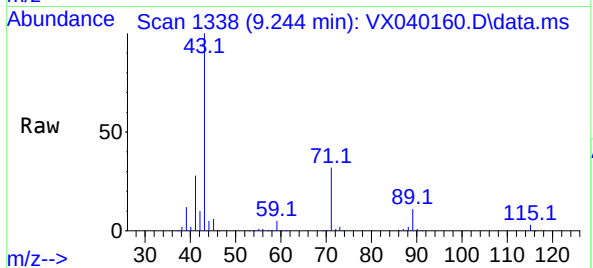
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 300

Ion	Ratio	Lower	Upper
69	100		
41	8409.3	56.8	85.2#
39	3831.0	32.0	48.0#



#57

1,3-Dichloropropane

Concen: 1.726 ug/l

RT: 9.482 min Scan# 1377

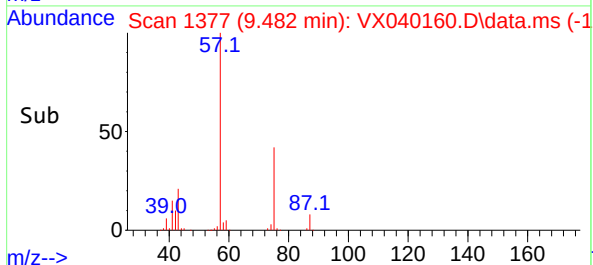
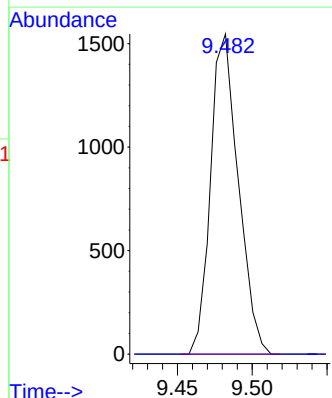
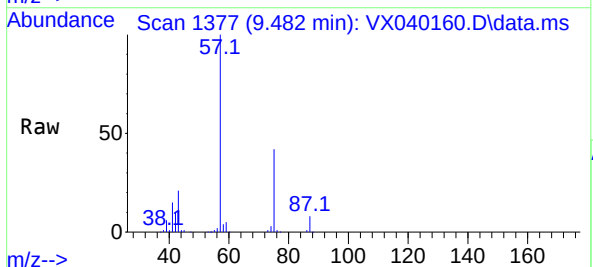
Delta R.T. 0.177 min

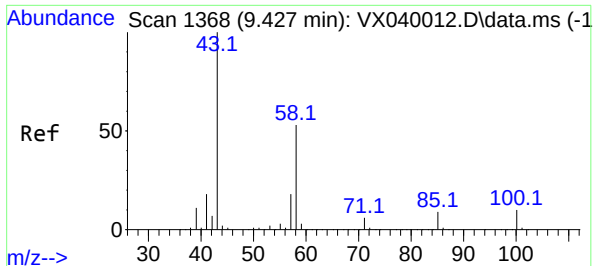
Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

Tgt Ion: 76 Resp: 1994

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.1	39.1#





#59

2-Hexanone

Concen: 34.083 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

Instrument :

MSVOA_X

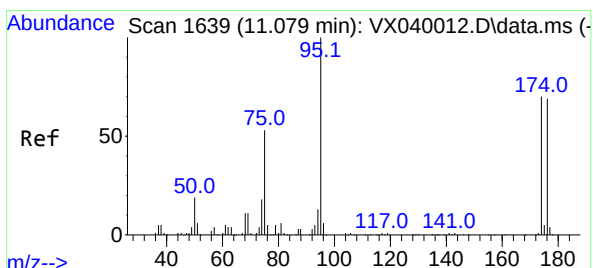
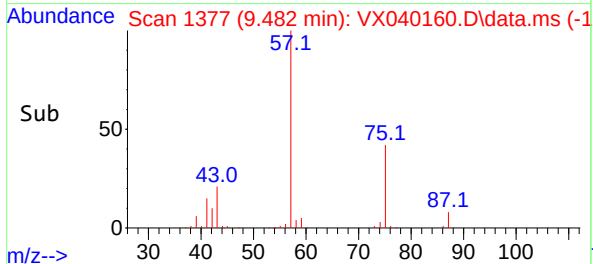
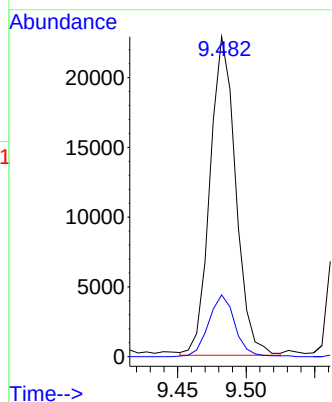
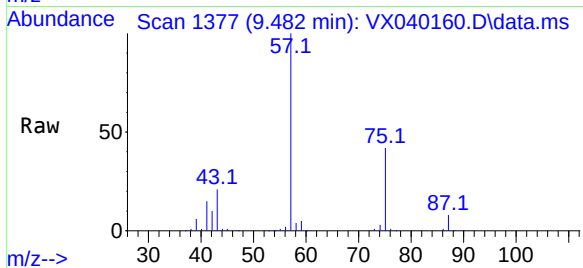
ClientSampleId :

Tgt Ion: 43 Resp: 29825

Ion Ratio Lower Upper

43 100

58 20.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 55.391 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

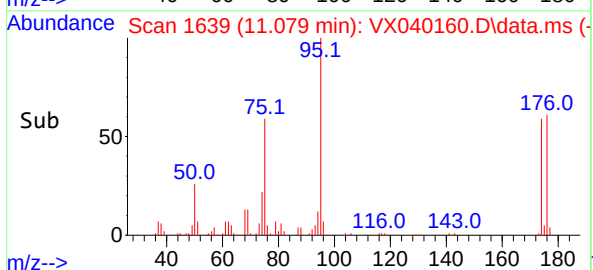
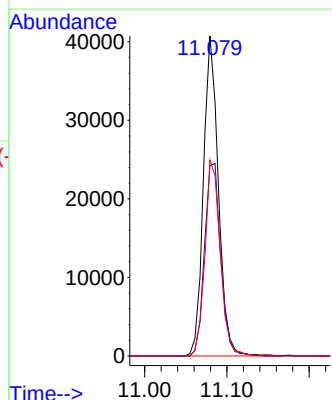
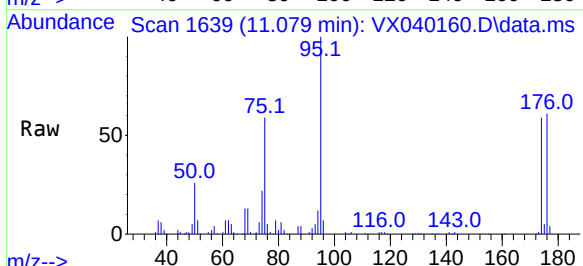
Tgt Ion: 95 Resp: 51486

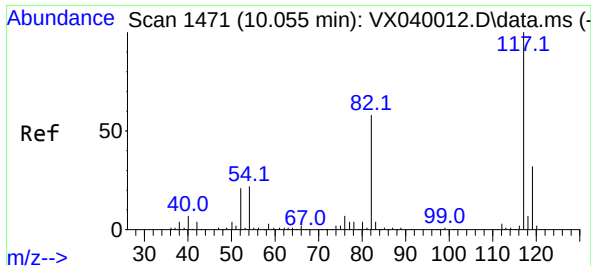
Ion Ratio Lower Upper

95 100

174 65.5 0.0 135.6

176 62.6 0.0 131.0

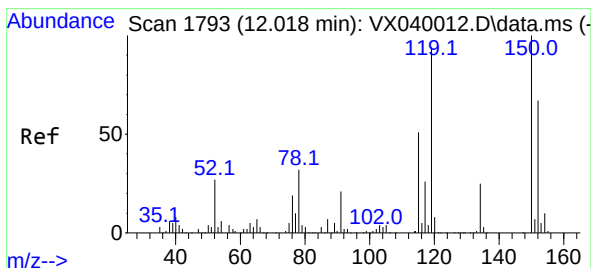
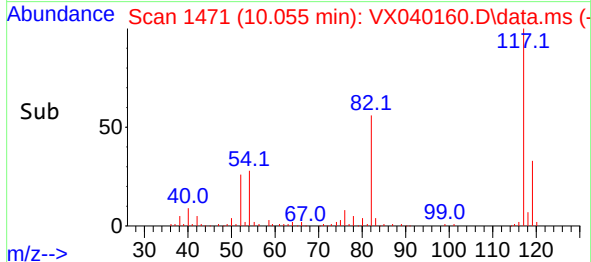
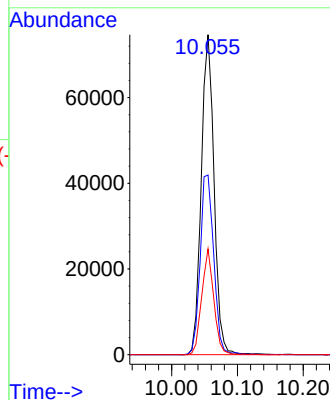
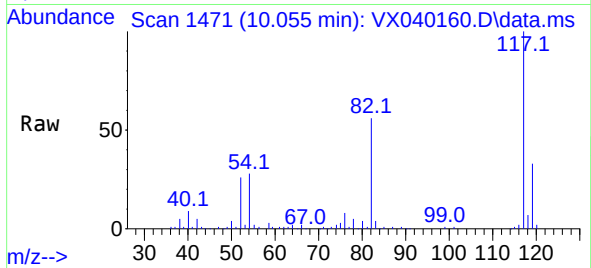




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

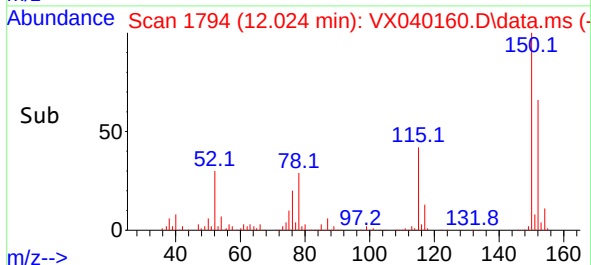
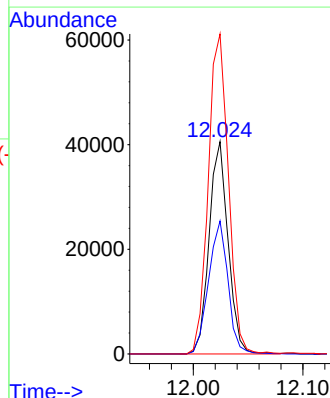
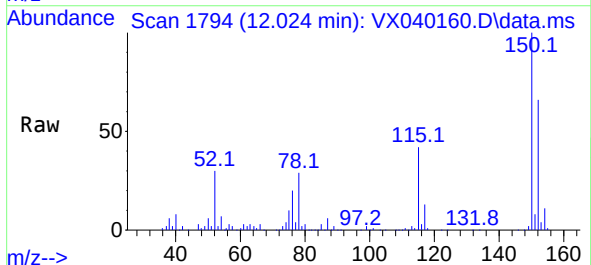
Instrument :
MSVOA_X
ClientSampleId :

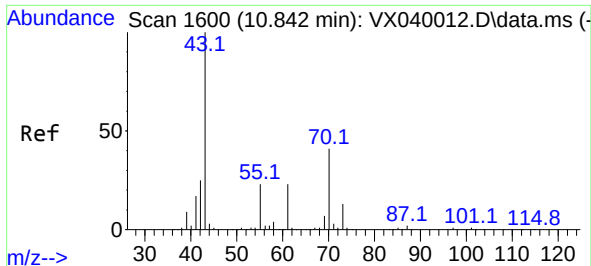
Tgt Ion:117 Resp: 100978
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

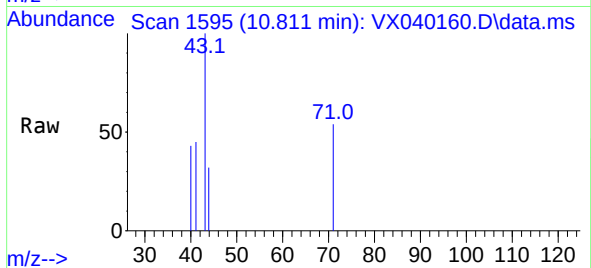
Tgt Ion:152 Resp: 48849
Ion Ratio Lower Upper
152 100
115 64.1 43.3 129.9
150 160.0 0.0 345.0



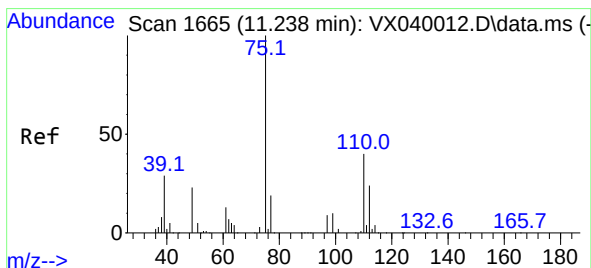
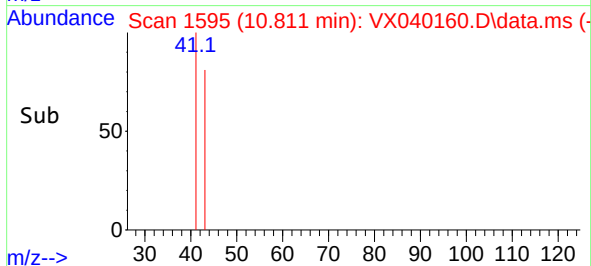
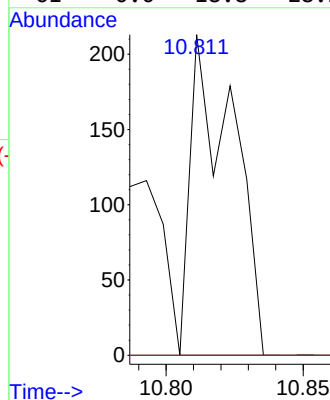


#74
N-amy1 acetate
Concen: 0.343 ug/l
RT: 10.811 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Instrument :
MSVOA_X
ClientSampleId :

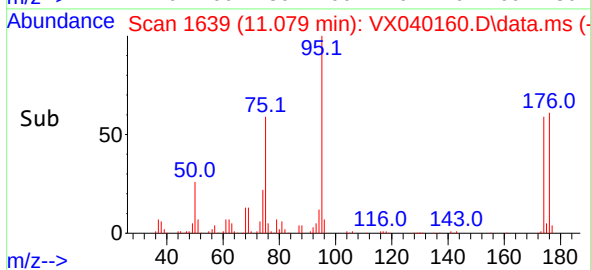
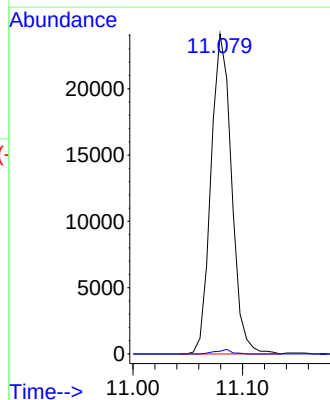
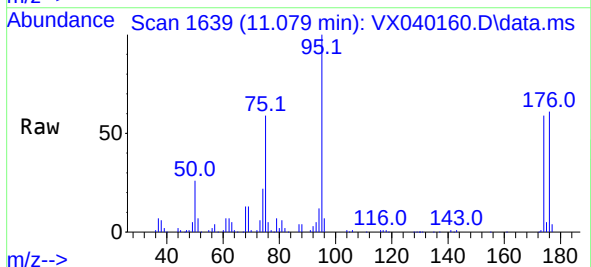


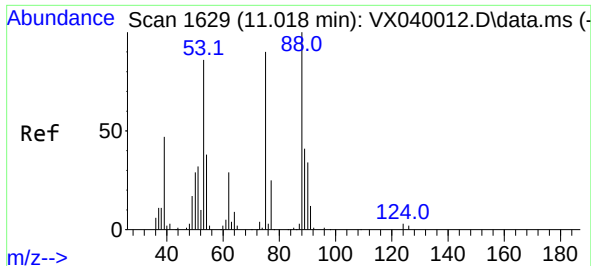
Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 19.3 28.9#
61 0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 30.334 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion: 75 Resp: 31555
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

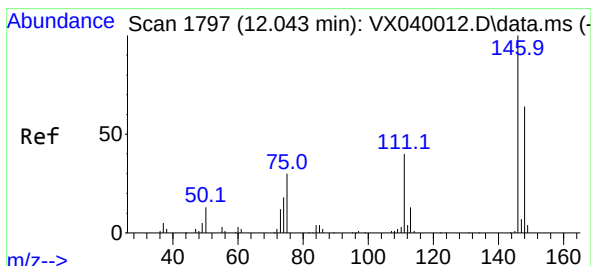
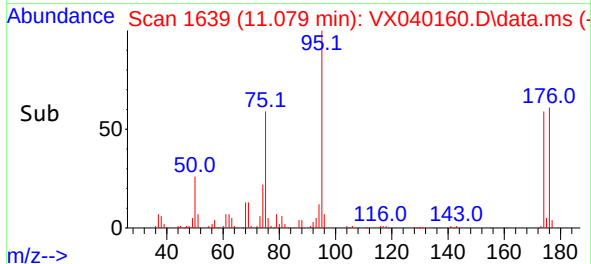
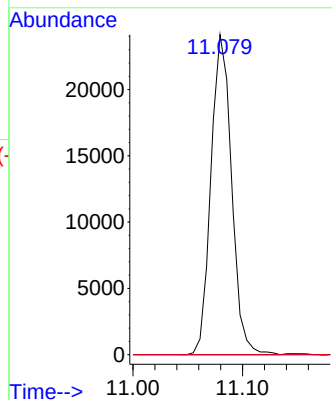
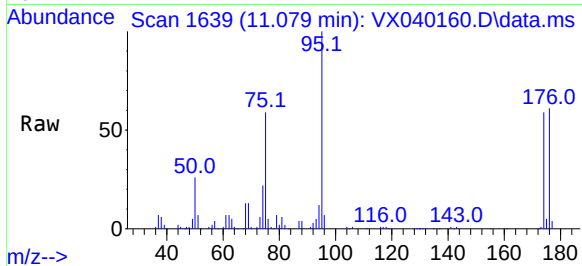




#81
trans-1,4-Dichloro-2-butene
Concen: 86.793 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

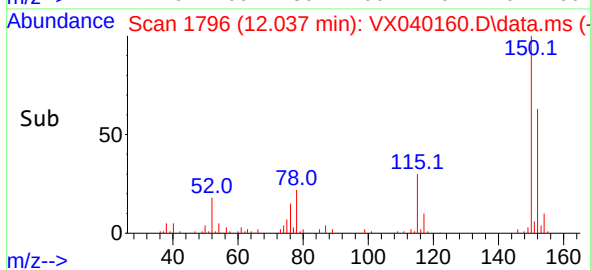
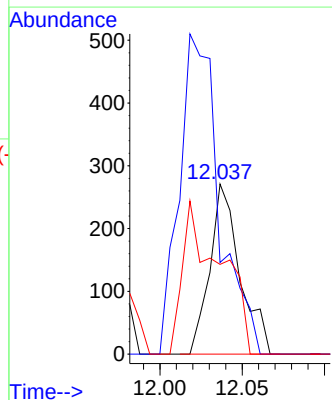
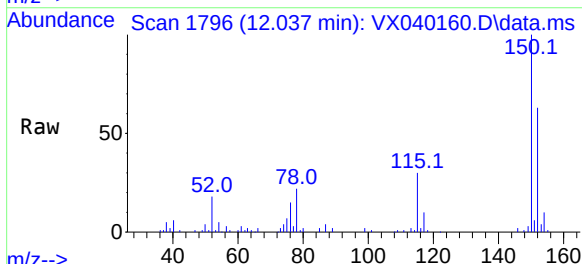
Instrument :
MSVOA_X
ClientSampleId :

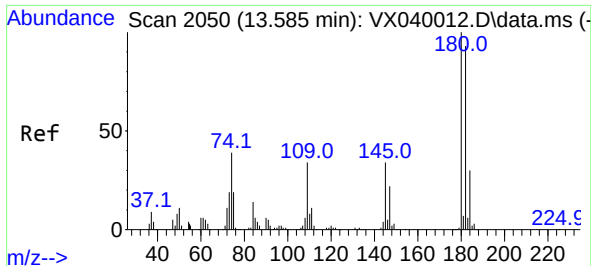
Tgt Ion: 75 Resp: 31555
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.207 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX040160.D
Acq: 07 Feb 2024 18:23

Tgt Ion:146 Resp: 346
Ion Ratio Lower Upper
146 100
111 249.1 21.3 63.7#
148 112.1 31.8 95.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.219 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

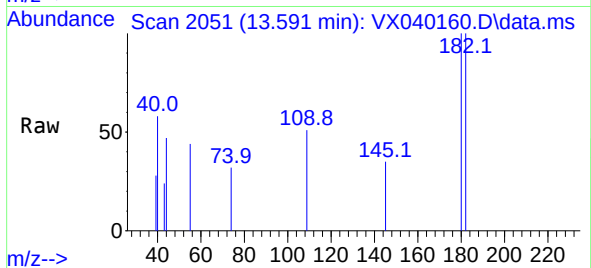
Lab File: VX040160.D

Acq: 07 Feb 2024 18:23

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 215

Ion Ratio Lower Upper

180 100

182 91.2 48.3 144.8

145 24.2 18.0 54.0

