

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
 Data File : VX043731.D
 Acq On : 07 Nov 2024 13:10
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 08 04:06:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

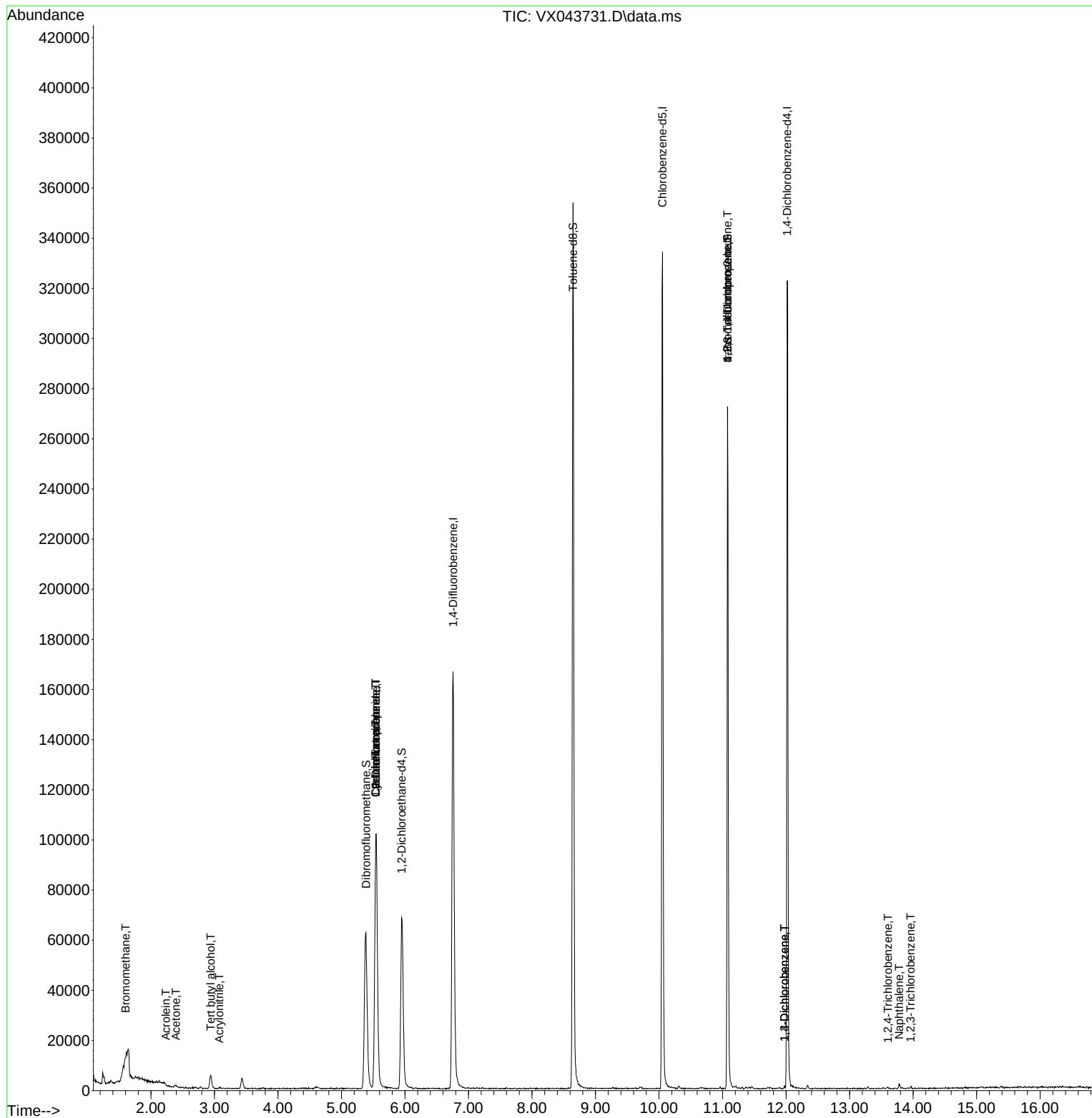
Internal Standards						
1) Pentafluorobenzene	5.544	168	104674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	189853	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67107	40.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.420%		
35) Dibromofluoromethane	5.385	113	58541	45.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.940%		
50) Toluene-d8	8.647	98	223335	50.115	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.220%		
62) 4-Bromofluorobenzene	11.079	95	76629	46.404	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.800%		
Target Compounds						Qvalue
5) Bromomethane	1.599	94	351	0.648	ug/l #	74
11) Tert butyl alcohol	2.940	59	2998	9.624	ug/l #	100
13) Acrolein	2.233	56	74	0.304	ug/l #	70
15) Acrylonitrile	3.075	53	241	0.343	ug/l #	72
16) Acetone	2.392	43	878	1.325	ug/l	99
31) Cyclohexane	5.537	56	1764	1.001	ug/l #	25
36) 1,1-Dichloropropene	5.537	75	7322	4.796	ug/l #	50
38) Carbon Tetrachloride	5.537	117	10529	6.242	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	36505	23.410	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	36505	64.400	ug/l #	7
87) 1,3-Dichlorobenzene	11.975	146	500	0.209	ug/l	98
88) 1,4-Dichlorobenzene	11.975	146	500	0.202	ug/l	96
93) 1,2,4-Trichlorobenzene	13.603	180	323	0.218	ug/l #	88
95) Naphthalene	13.780	128	2051	0.361	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	432	0.276	ug/l #	74

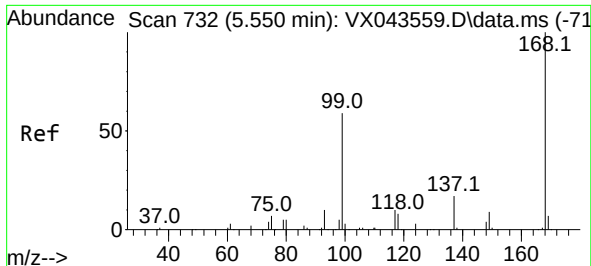
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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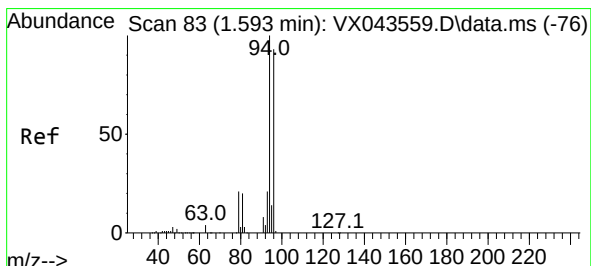
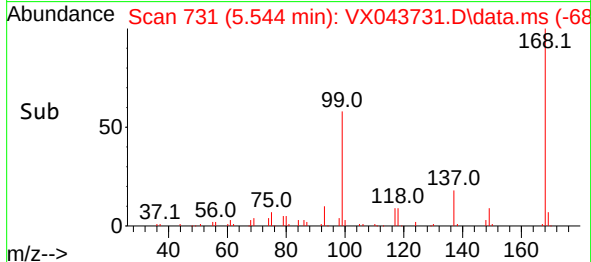
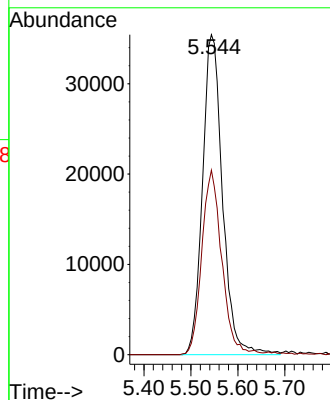
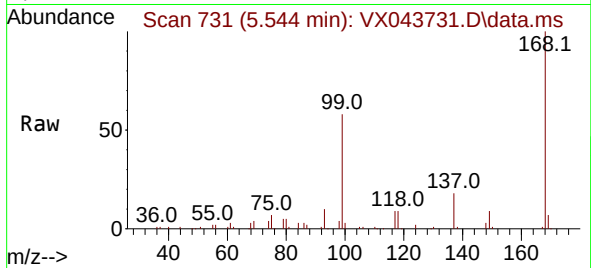




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

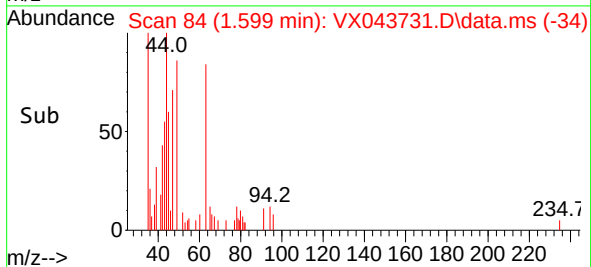
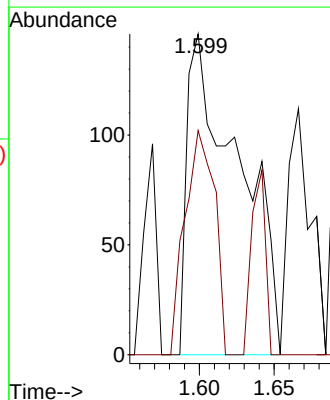
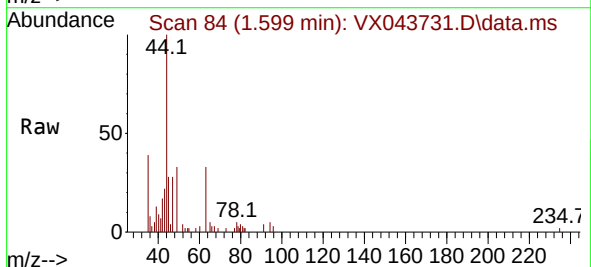
Instrument :
MSVOA_X
ClientSampleId :

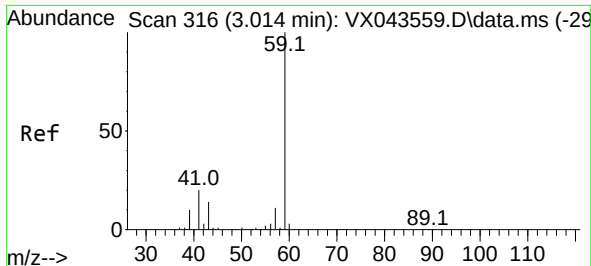
Tgt Ion:168 Resp: 104674
Ion Ratio Lower Upper
168 100
99 57.7 52.6 78.8



#5
Bromomethane
Concen: 0.648 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 69.9 75.9 113.9#





#11

Tert butyl alcohol

Concen: 9.624 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.110 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

Instrument :

MSVOA_X

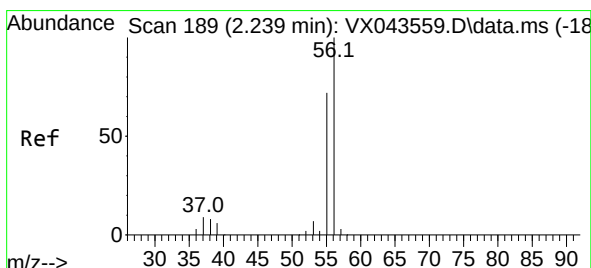
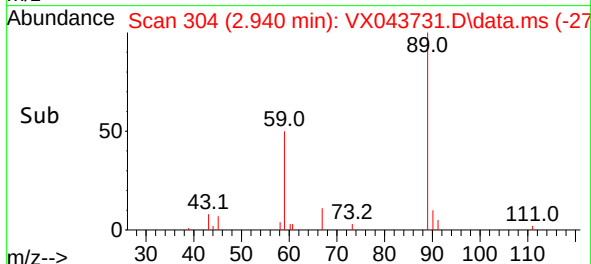
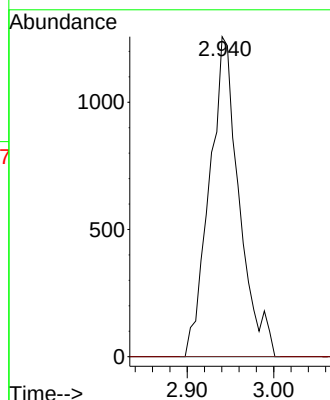
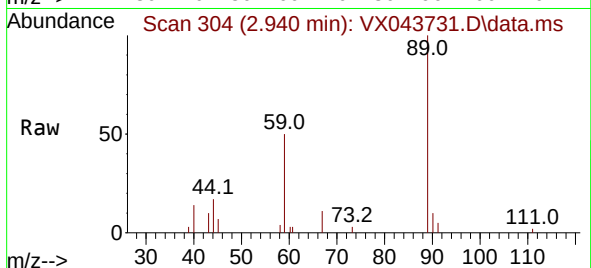
ClientSampleId :

Tgt Ion: 59 Resp: 2998

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#13

Acrolein

Concen: 0.304 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX043731.D

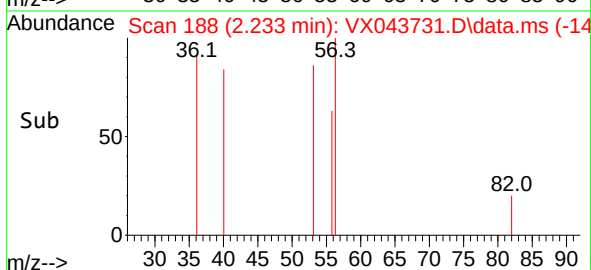
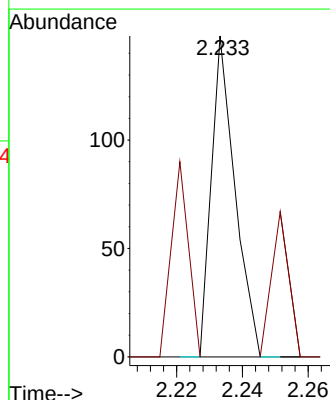
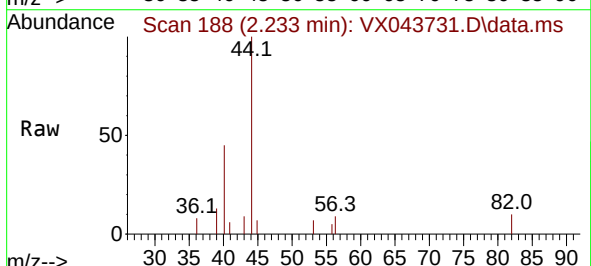
Acq: 07 Nov 2024 13:10

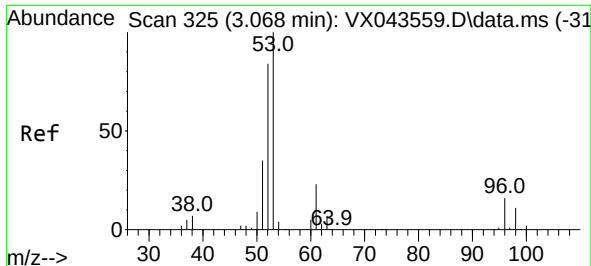
Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 44.6 55.3 82.9#





#15

Acrylonitrile

Concen: 0.343 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX043731.D

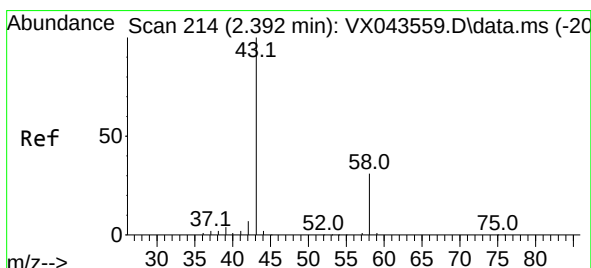
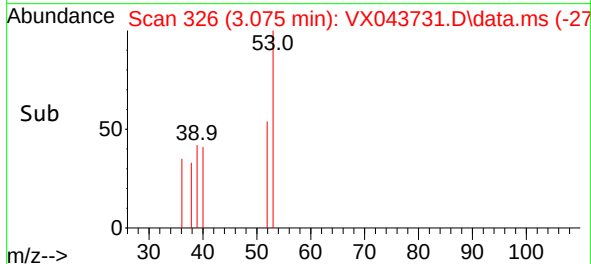
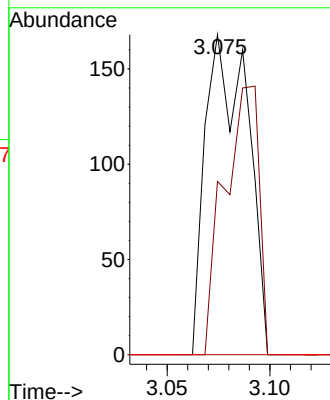
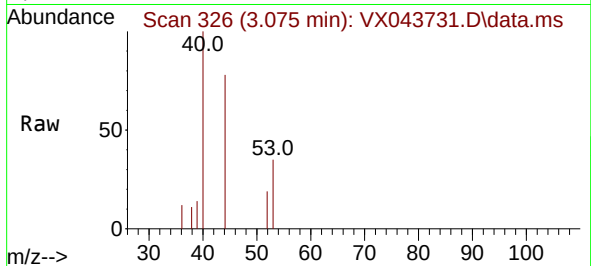
Acq: 07 Nov 2024 13:10

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp:	241
Ion Ratio	Lower	Upper
53	100	
52	69.3	65.8 98.6
51	0.0	28.5 42.7#



#16

Acetone

Concen: 1.325 ug/l

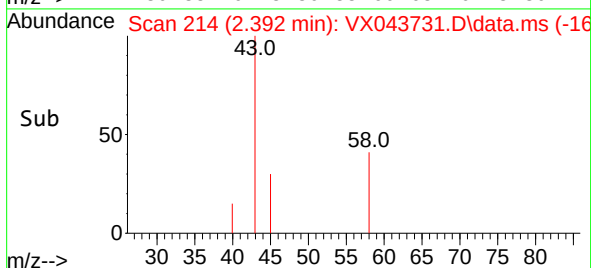
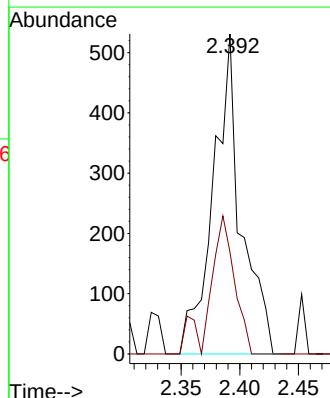
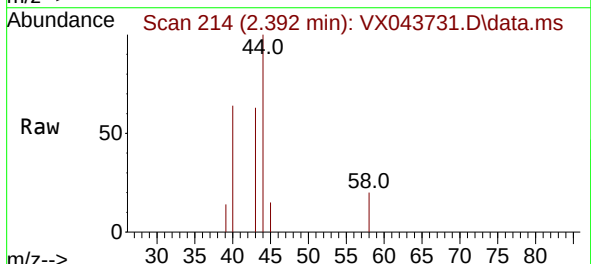
RT: 2.392 min Scan# 214

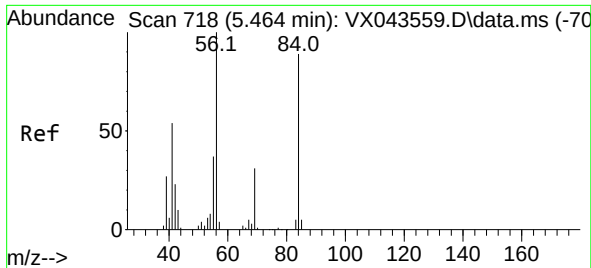
Delta R.T. -0.006 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

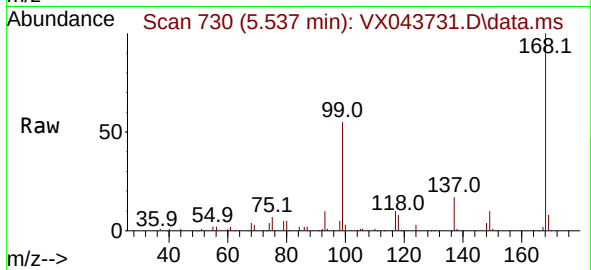
Tgt Ion: 43	Resp:	878
Ion Ratio	Lower	Upper
43	100	
58	31.8	25.1 37.7



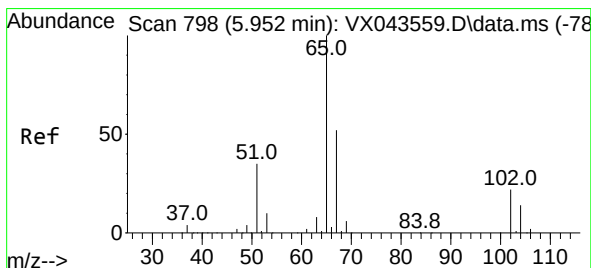
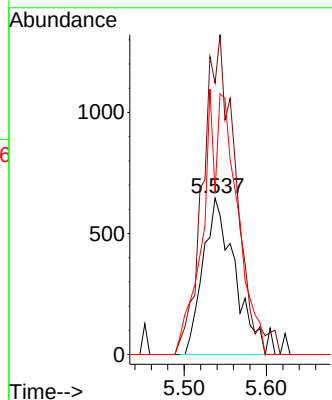
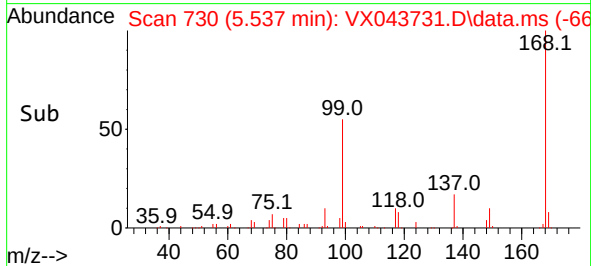


#31
Cyclohexane
Concen: 1.001 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

Instrument :
MSVOA_X
ClientSampleId :

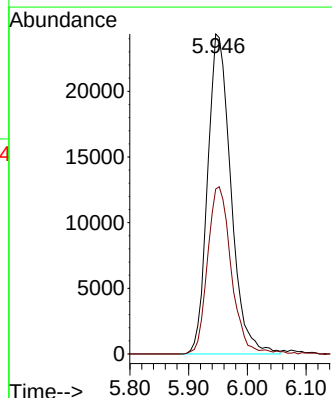
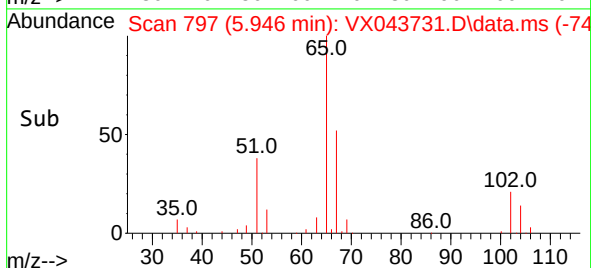
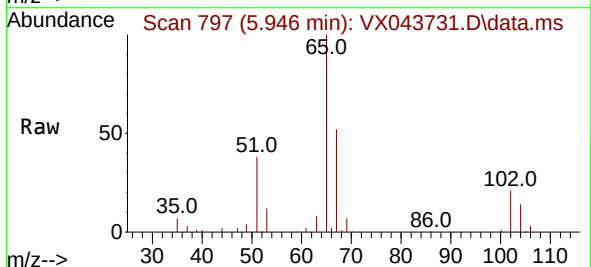


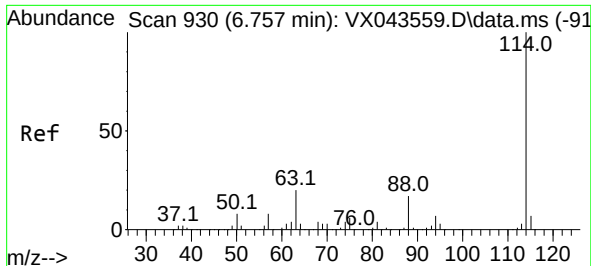
Tgt Ion: 56 Resp: 1764
Ion Ratio Lower Upper
56 100
69 173.5 24.9 37.3#
84 103.3 73.3 109.9



#33
1,2-Dichloroethane-d4
Concen: 40.207 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

Tgt Ion: 65 Resp: 67107
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

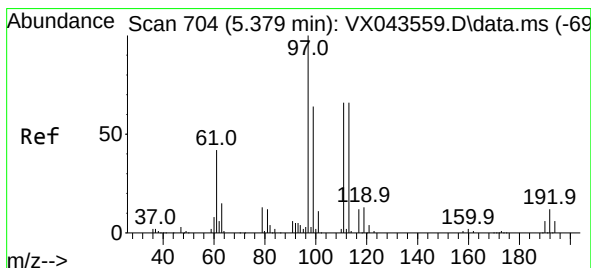
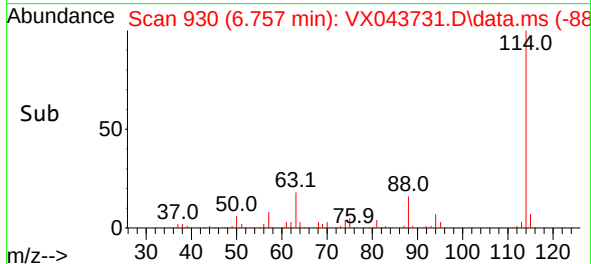
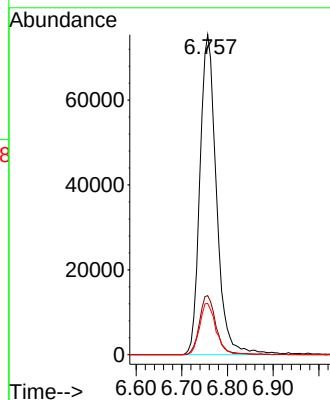
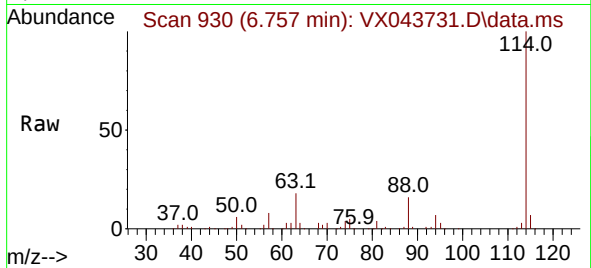




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

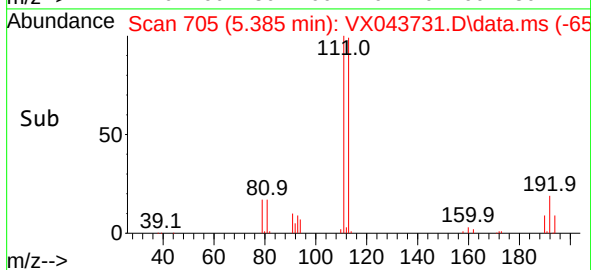
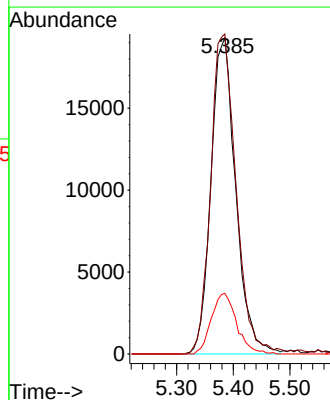
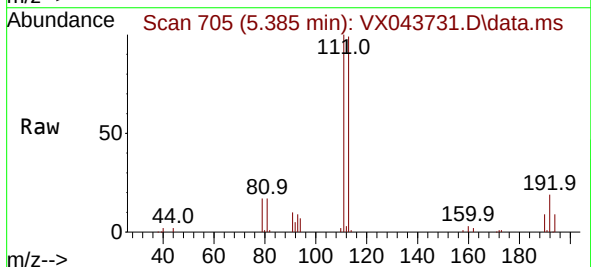
Instrument :
MSVOA_X
ClientSampleId :

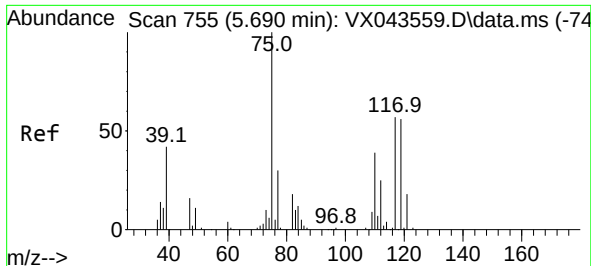
Tgt Ion:114 Resp: 189853
Ion Ratio Lower Upper
114 100
63 18.5 0.0 41.2
88 16.0 0.0 34.0



#35
Dibromofluoromethane
Concen: 45.473 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

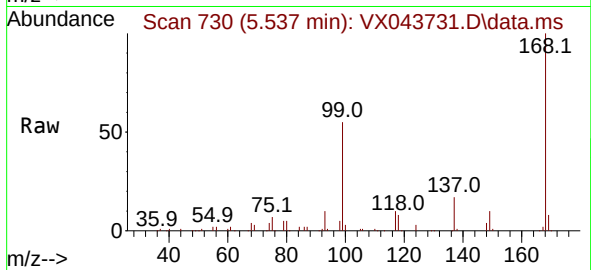
Tgt Ion:113 Resp: 58541
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.0
192 19.6 14.1 21.1



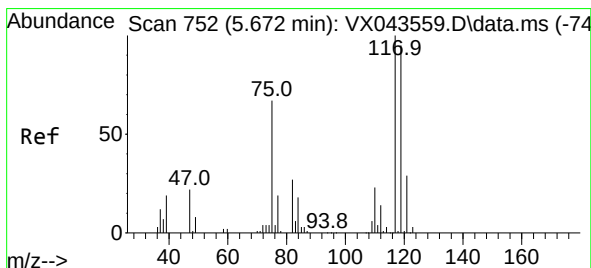
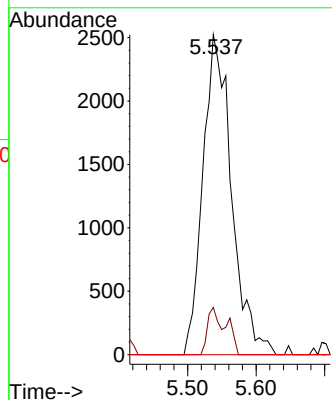
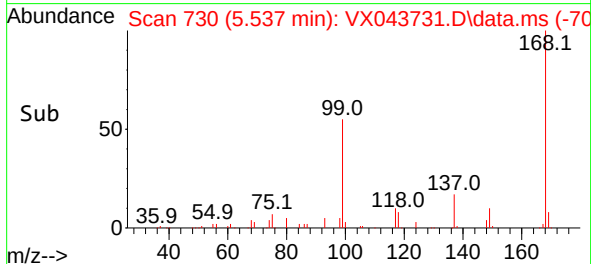


#36
1,1-Dichloropropene
Concen: 4.796 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

Instrument :
MSVOA_X
ClientSampleId :

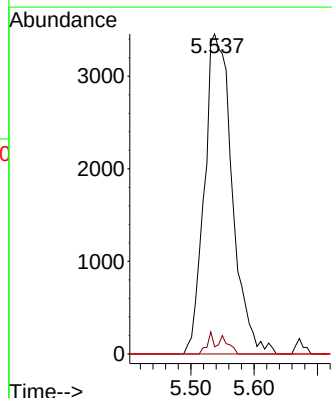
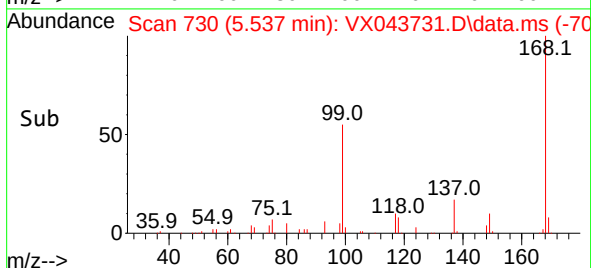
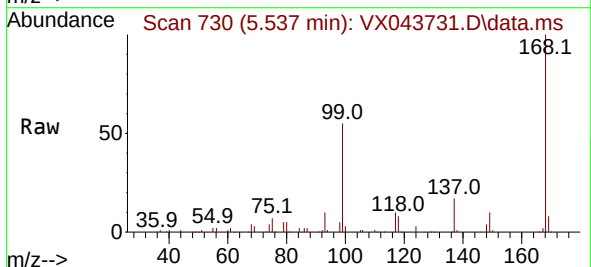


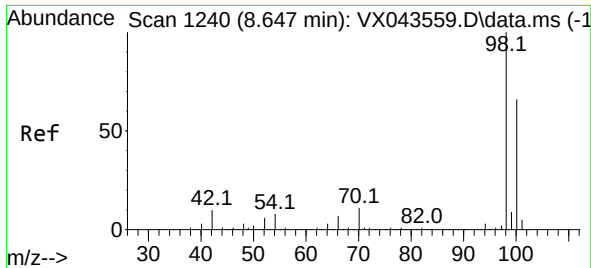
Tgt Ion: 75 Resp: 7322
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.7#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.242 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

Tgt Ion: 117 Resp: 10529
Ion Ratio Lower Upper
117 100
119 2.3 77.0 115.6#
121 0.0 24.7 37.1#

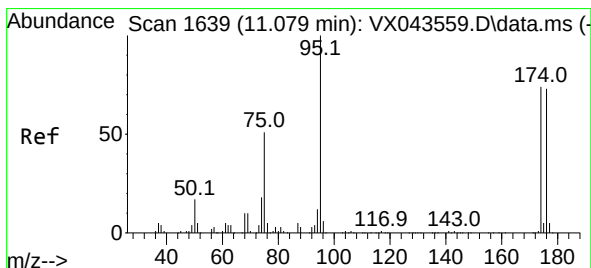
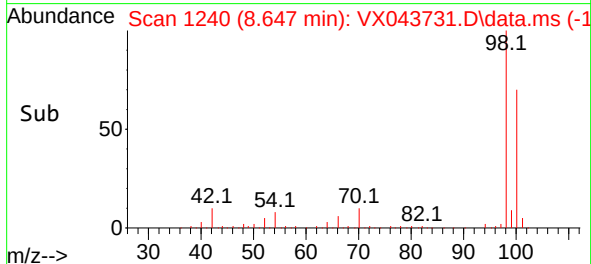
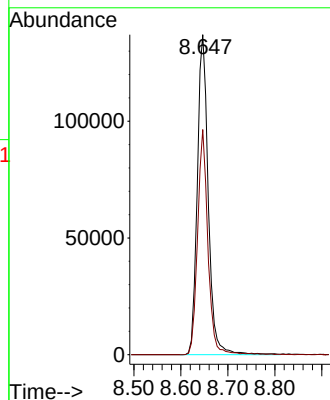
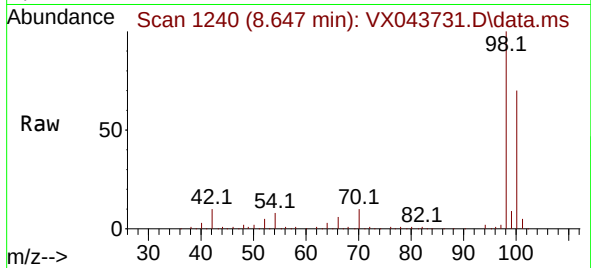




#50
Toluene-d8
Concen: 50.115 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

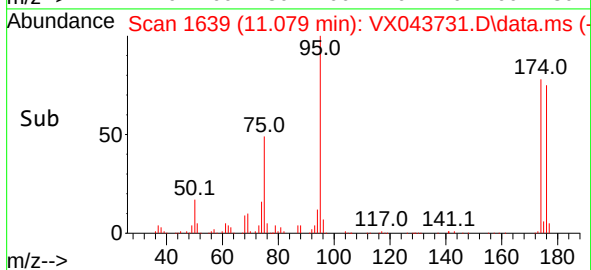
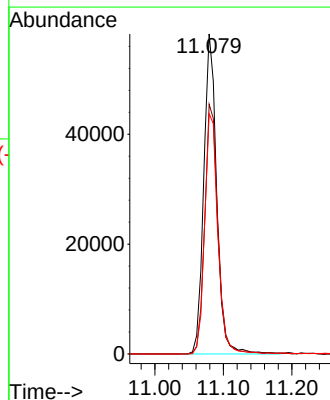
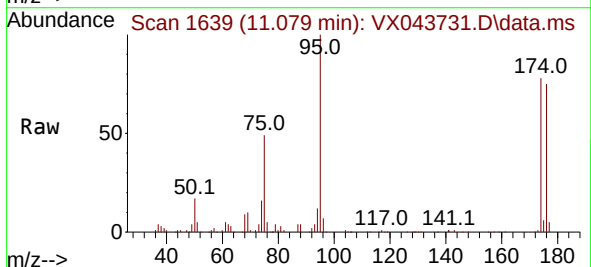
Instrument :
MSVOA_X
ClientSampleId :

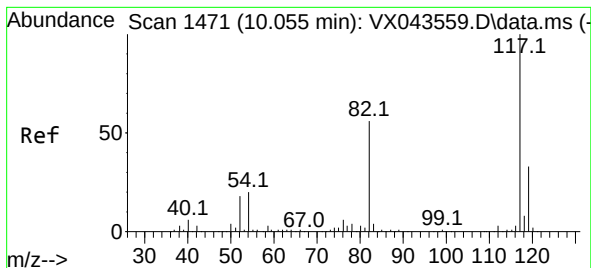
Tgt Ion: 98 Resp: 223335
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 46.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

Tgt Ion: 95 Resp: 76629
Ion Ratio Lower Upper
95 100
174 80.4 0.0 146.6
176 76.4 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

Instrument :

MSVOA_X

ClientSampleId :

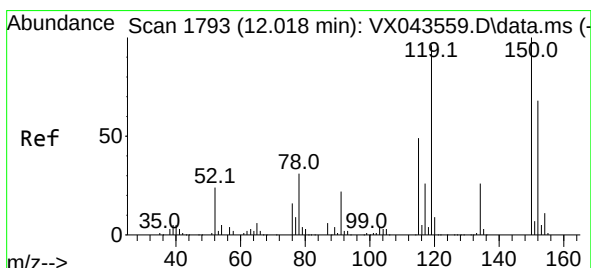
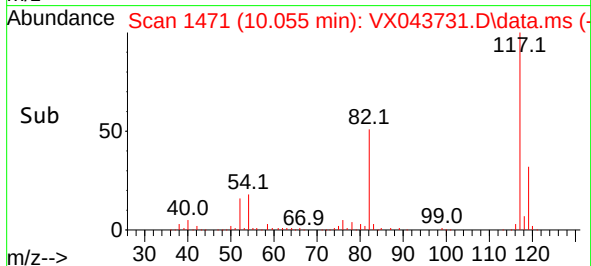
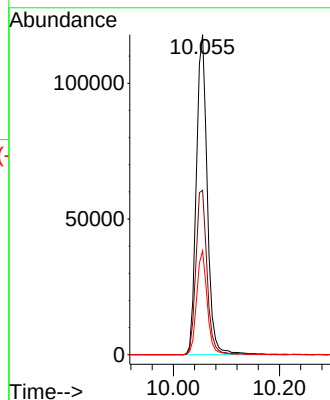
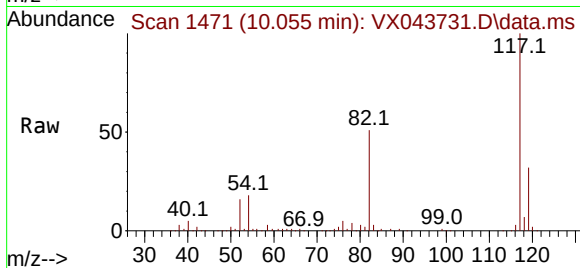
Tgt Ion:117 Resp: 169285

Ion Ratio Lower Upper

117 100

82 51.4 42.1 63.1

119 32.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

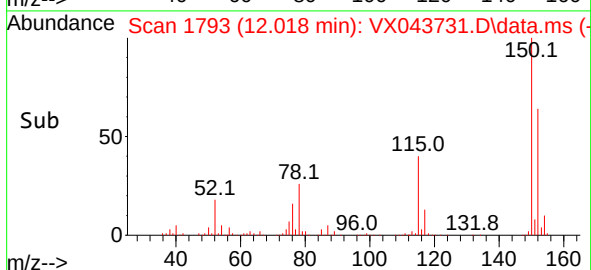
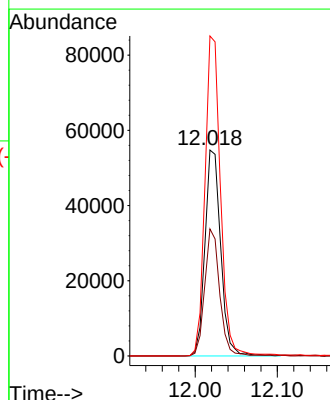
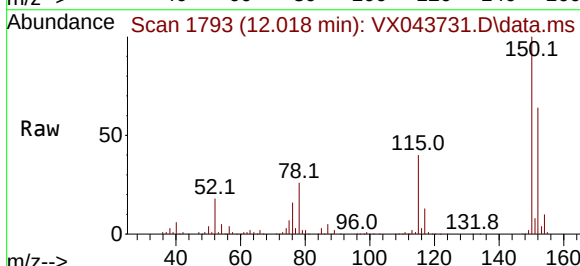
Tgt Ion:152 Resp: 72933

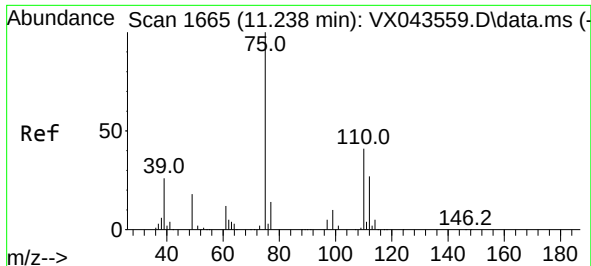
Ion Ratio Lower Upper

152 100

115 58.5 42.9 128.7

150 153.3 0.0 343.6

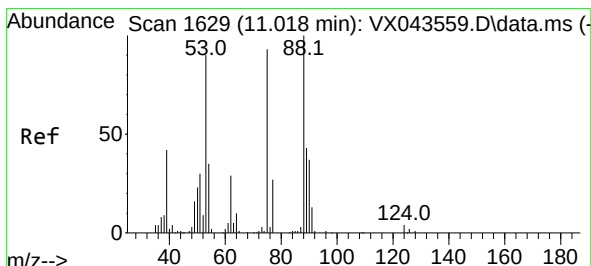
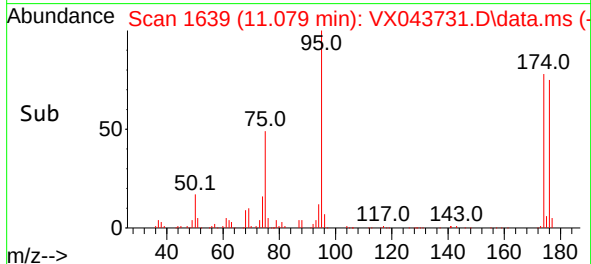
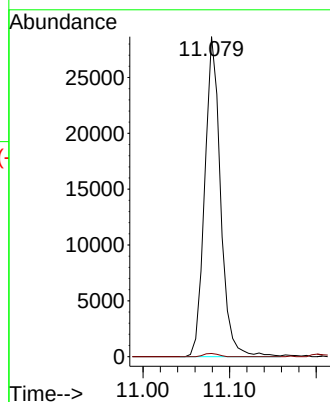
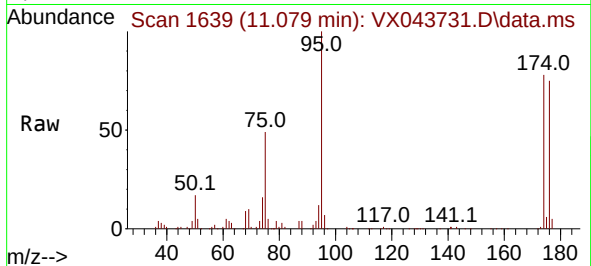




#76
1,2,3-Trichloropropane
Concen: 23.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

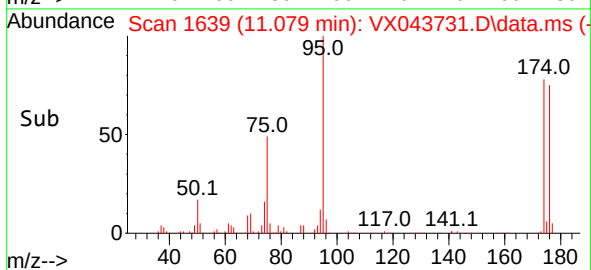
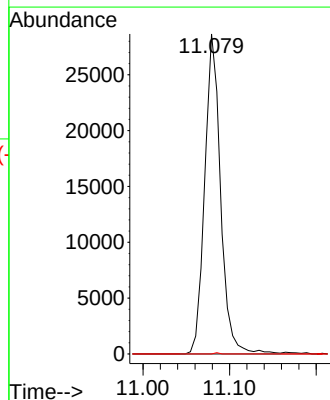
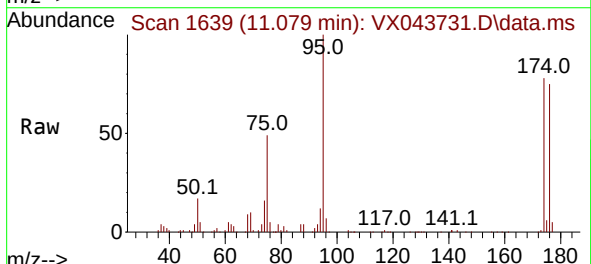
Instrument :
MSVOA_X
ClientSampleId :

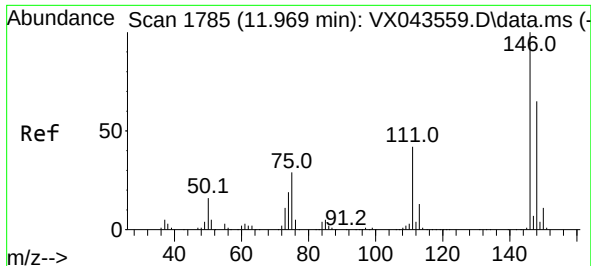
Tgt Ion: 75 Resp: 36505
Ion Ratio Lower Upper
75 100
77 0.9 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.400 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043731.D
Acq: 07 Nov 2024 13:10

Tgt Ion: 75 Resp: 36505
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.1 38.6 58.0#





#87

1,3-Dichlorobenzene

Concen: 0.209 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

Instrument :

MSVOA_X

ClientSampleId :

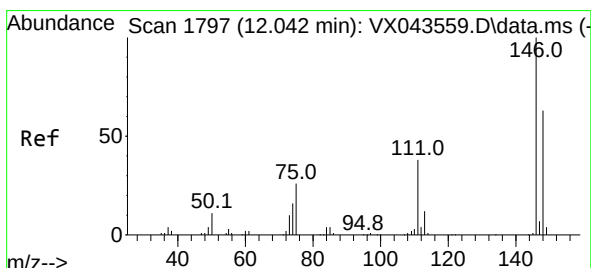
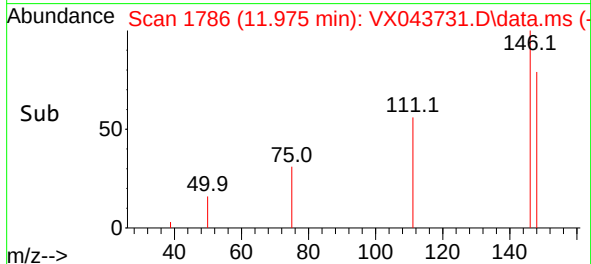
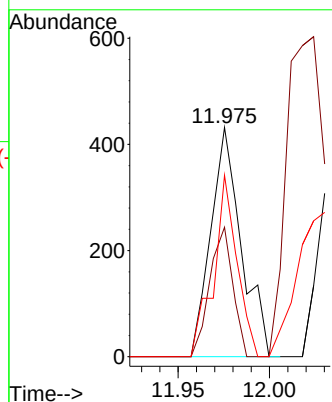
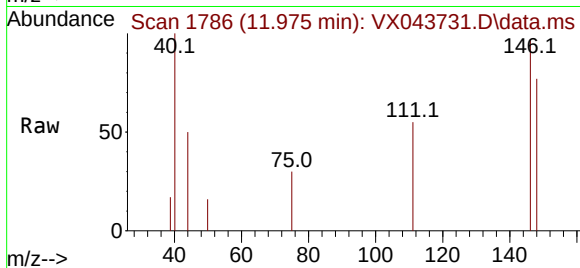
Tgt Ion:146 Resp: 500

Ion Ratio Lower Upper

146 100

111 43.0 21.1 63.4

148 61.0 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 0.202 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

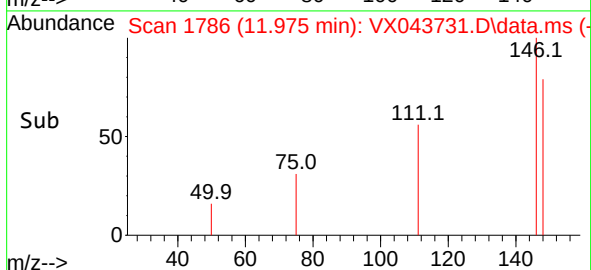
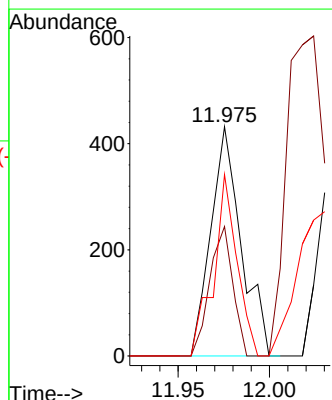
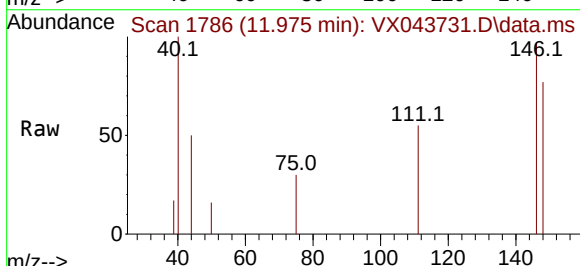
Tgt Ion:146 Resp: 500

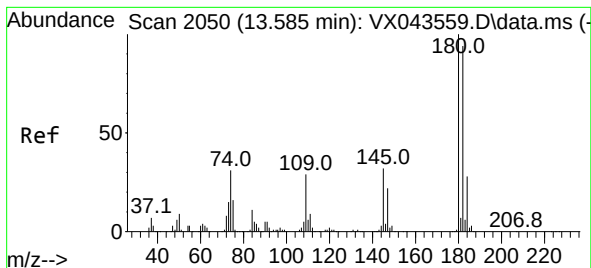
Ion Ratio Lower Upper

146 100

111 43.0 20.4 61.3

148 61.0 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 13.603 min Scan# 2053

Delta R.T. 0.018 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

Instrument :

MSVOA_X

ClientSampleId :

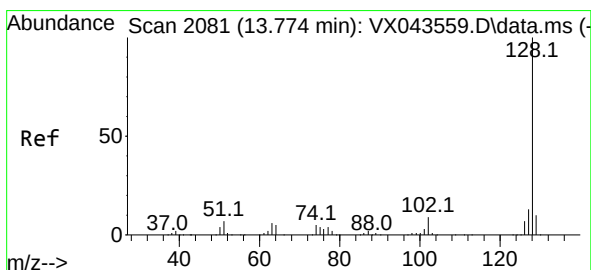
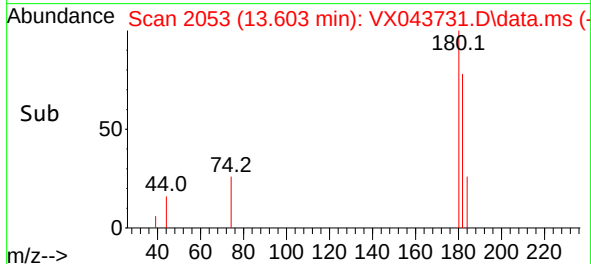
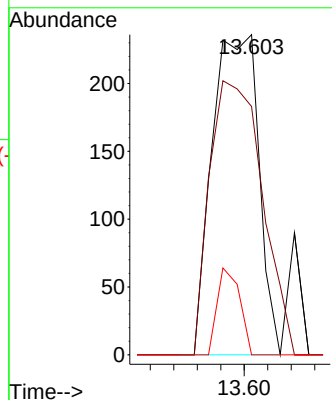
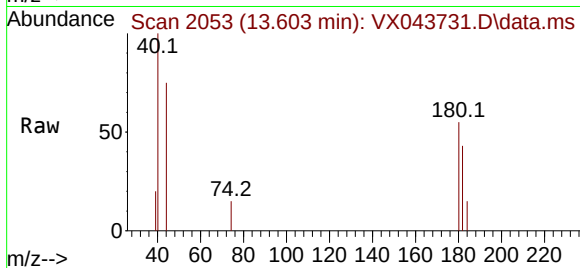
Tgt Ion:180 Resp: 323

Ion Ratio Lower Upper

180 100

182 97.5 46.8 140.4

145 13.0 16.1 48.3#



#95

Naphthalene

Concen: 0.361 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

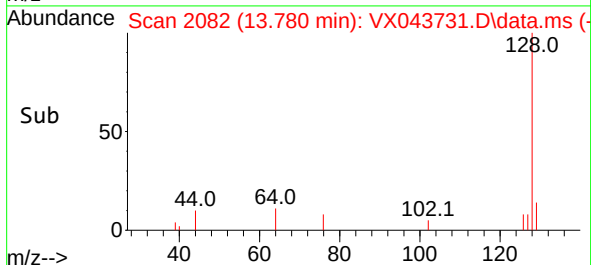
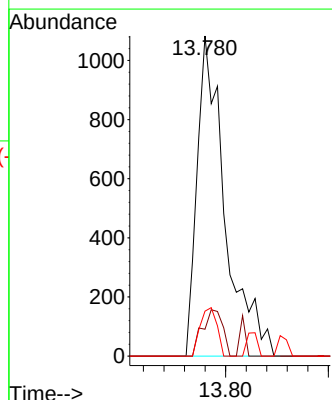
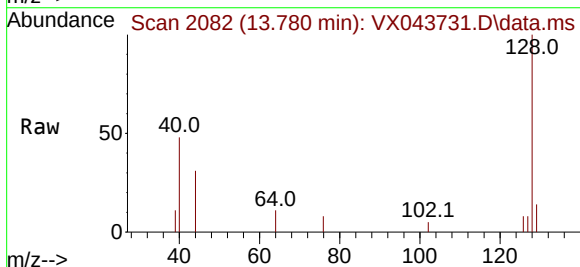
Tgt Ion:128 Resp: 2051

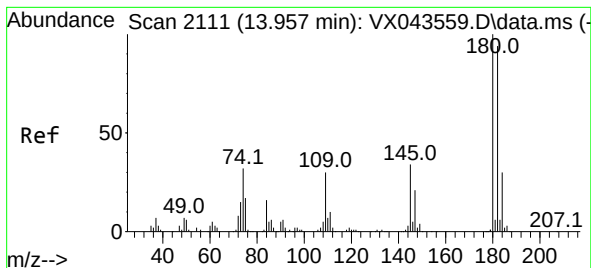
Ion Ratio Lower Upper

128 100

127 10.5 10.2 15.4

129 9.0 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.276 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

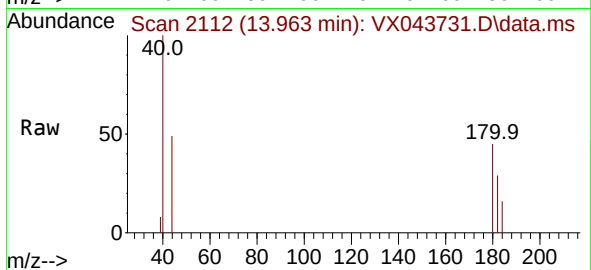
Lab File: VX043731.D

Acq: 07 Nov 2024 13:10

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 432

Ion Ratio Lower Upper

180 100

182 81.9 47.1 141.3

145 0.0 17.4 52.3#

