

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040296.D
 Acq On : 17 Feb 2024 12:52
 Operator : JC/MD
 Sample : P1507-05DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 19 03:55:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

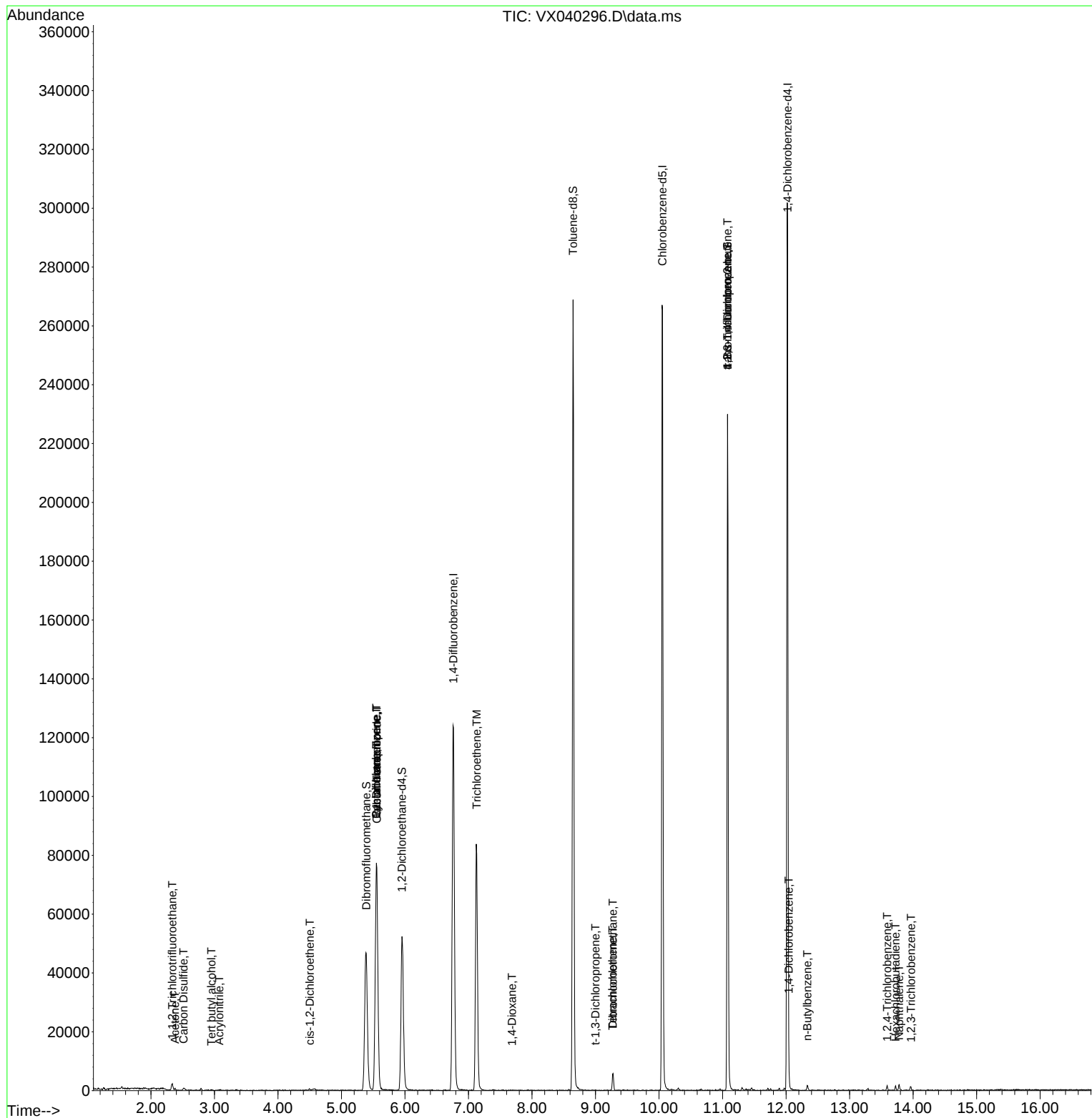
Internal Standards						
1) Pentafluorobenzene	5.550	168	73667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	51329	46.835	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.680%
35) Dibromofluoromethane	5.391	113	41977	46.766	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.540%
50) Toluene-d8	8.647	98	158466	47.196	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.400%
62) 4-Bromofluorobenzene	11.079	95	60035	43.841	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.680%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	812	1.039	ug/l	92
11) Tert butyl alcohol	2.953	59	147	0.689	ug/l #	78
15) Acrylonitrile	3.075	53	120	0.251	ug/l #	43
16) Acetone	2.380	43	495	1.100	ug/l	93
17) Carbon Disulfide	2.514	76	638	0.321	ug/l #	76
20) Methylene Chloride	2.788	84	217	Below Cal	#	71
27) cis-1,2-Dichloroethene	4.501	96	243	0.249	ug/l	76
31) Cyclohexane	5.550	56	1672	1.279	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	5823	4.631	ug/l #	52
38) Carbon Tetrachloride	5.556	117	7312	6.116	ug/l #	14
44) Trichloroethene	7.129	130	31440	32.415	ug/l	95
49) 1,4-Dioxane	7.683	88	39	1.604	ug/l #	12
53) t-1,3-Dichloropropene	9.000	75	20	1.971	ug/l #	43
60) Dibromochloromethane	9.275	129	1008	1.007	ug/l #	11
64) Tetrachloroethene	9.269	164	1041	1.221	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	31979	25.575	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	31979	70.270	ug/l #	5
88) 1,4-Dichlorobenzene	12.042	146	456	0.212	ug/l #	1
89) n-Butylbenzene	12.335	91	748	0.205	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	616	0.457	ug/l	71
94) Hexachlorobutadiene	13.725	225	316	0.587	ug/l	84
95) Naphthalene	13.780	128	1594	0.374	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	489	0.380	ug/l	78

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

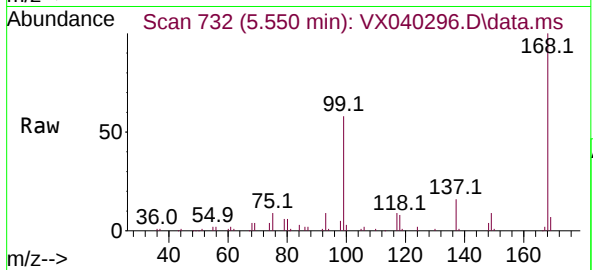
Quant Time: Feb 19 03:55:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration



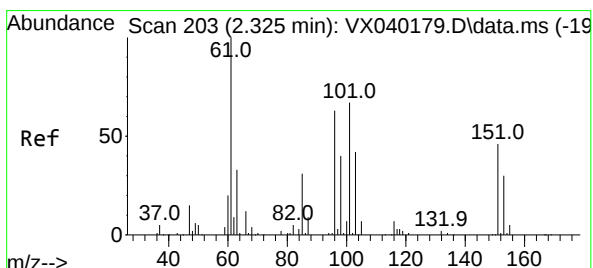
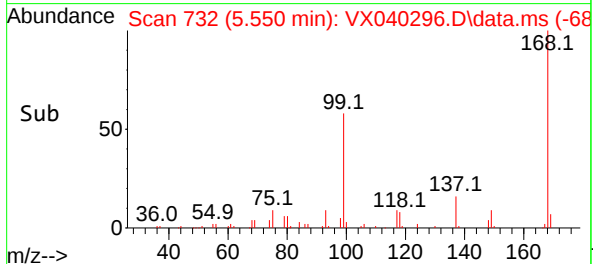
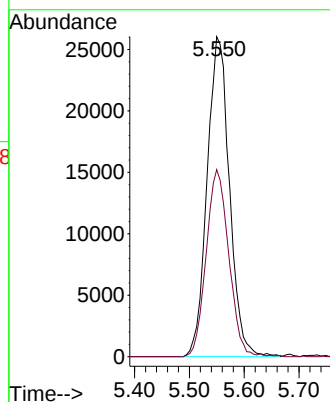


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Instrument :
MSVOA_X
ClientSampleId :

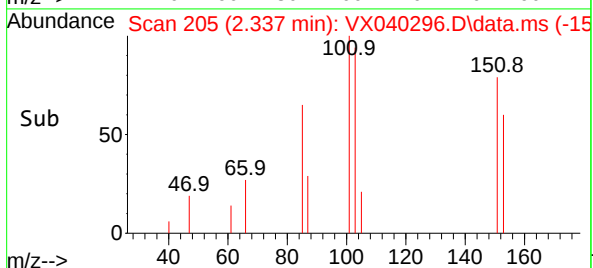
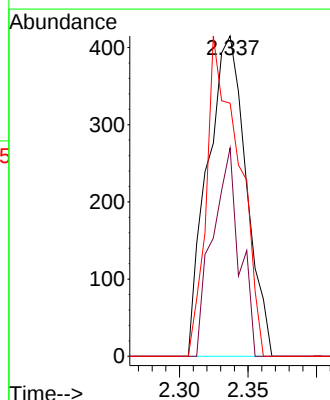
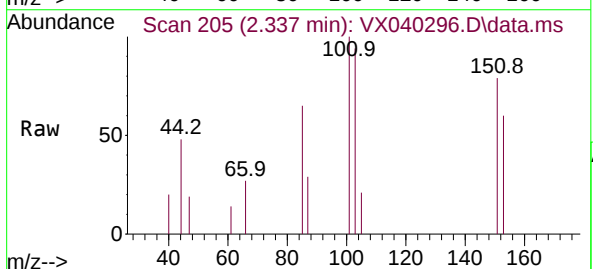


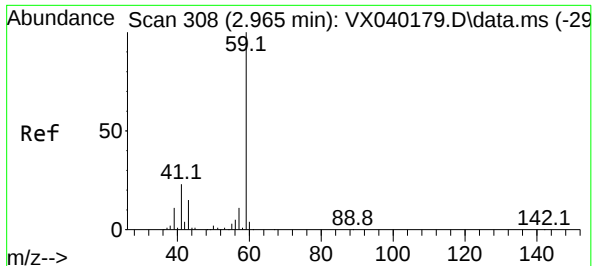
Tgt Ion:168 Resp: 73667
Ion Ratio Lower Upper
168 100
99 58.5 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.039 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion:101 Resp: 812
Ion Ratio Lower Upper
101 100
85 45.6 37.0 55.6
151 84.2 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.689 ug/l

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

Instrument :

MSVOA_X

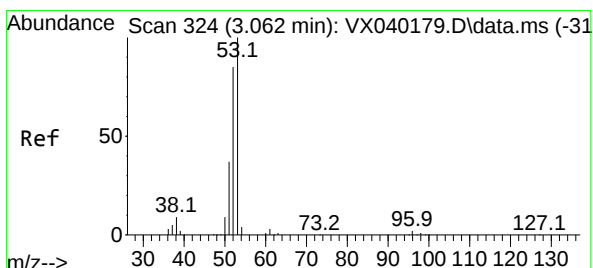
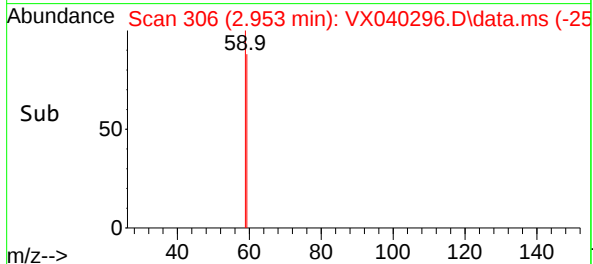
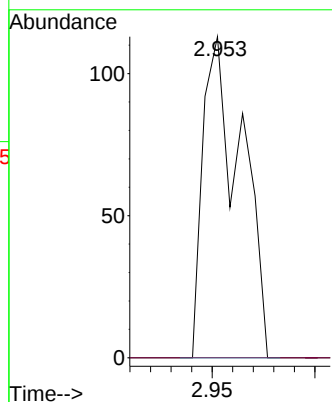
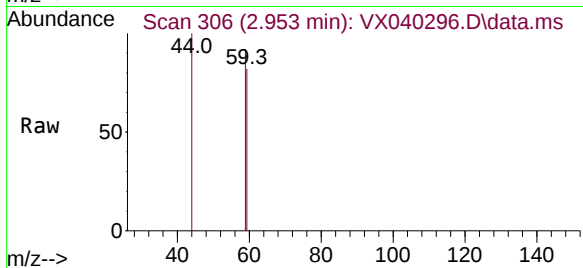
ClientSampleId :

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#15

Acrylonitrile

Concen: 0.251 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.012 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

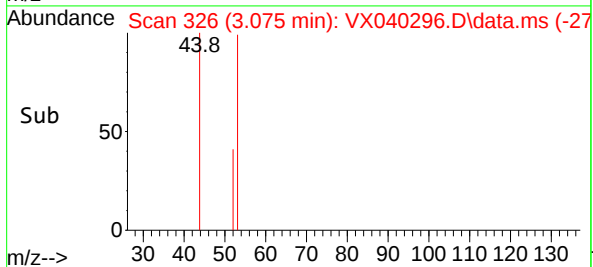
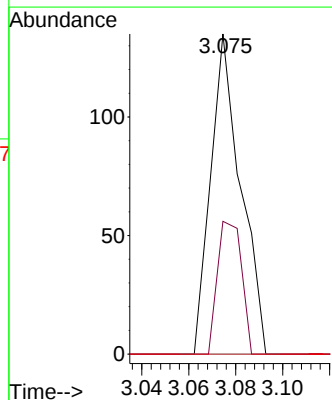
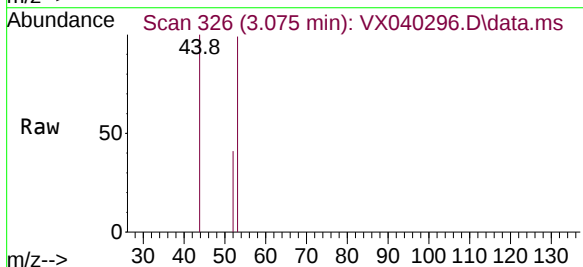
Tgt Ion: 53 Resp: 120

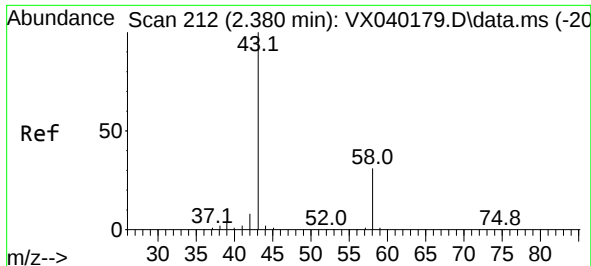
Ion Ratio Lower Upper

53 100

52 33.3 66.0 99.0#

51 0.0 29.8 44.6#

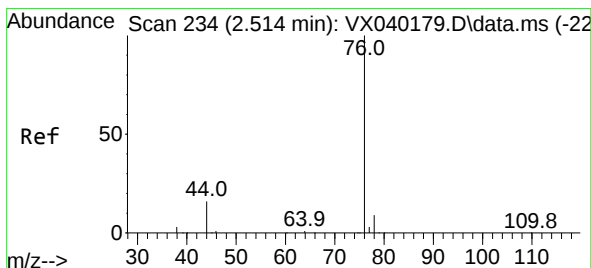
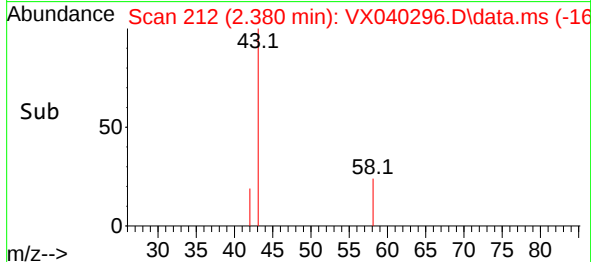
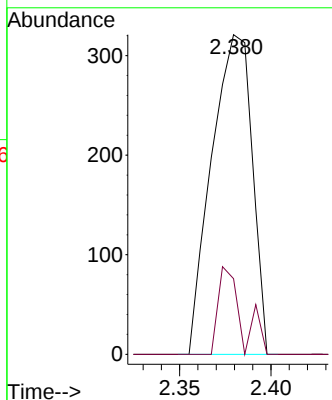
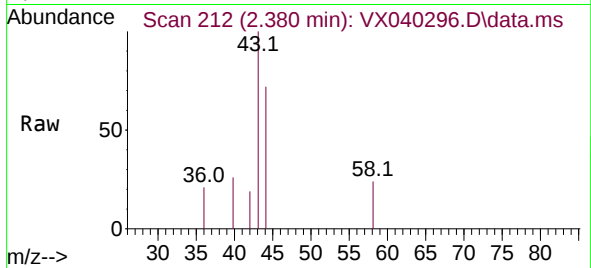




#16
Acetone
Concen: 1.100 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

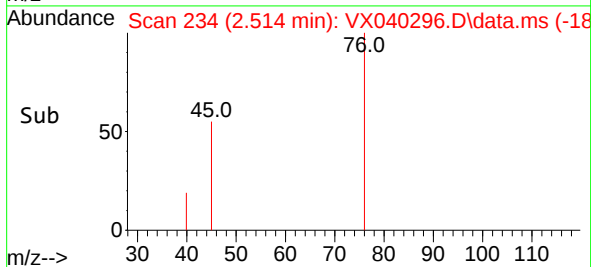
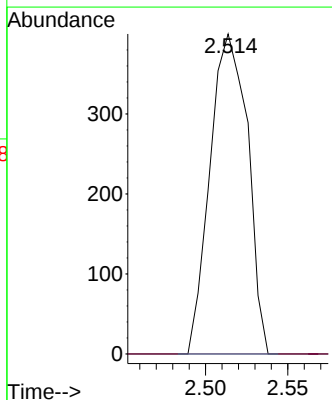
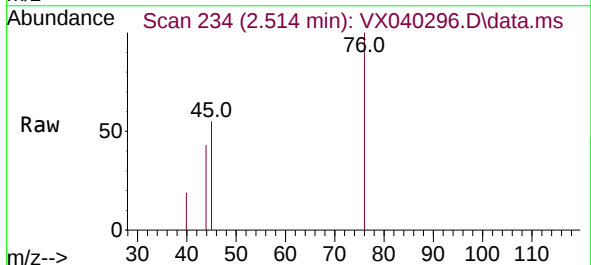
Instrument :
MSVOA_X
ClientSampleId :

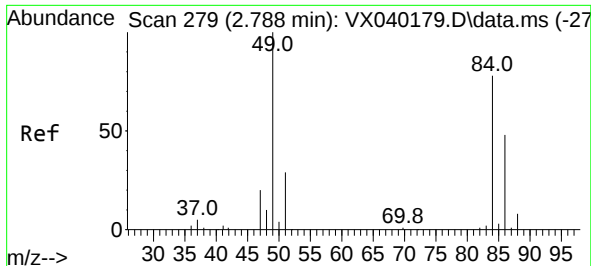
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
58 23.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion: 76 Resp: 638
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

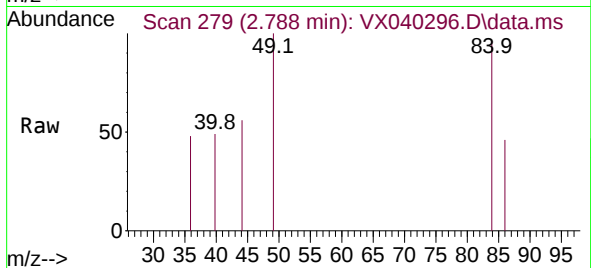
Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 217

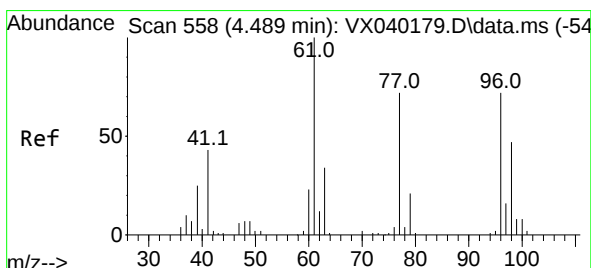
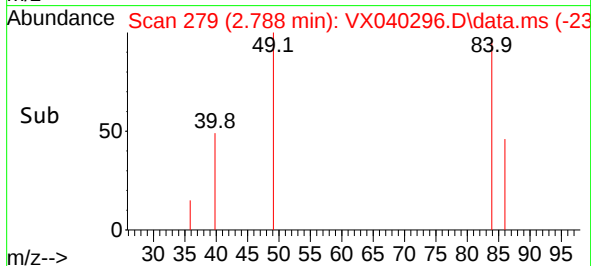
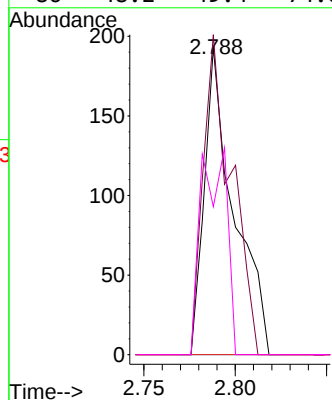
Ion Ratio Lower Upper

84 100

49 104.1 103.6 155.4

51 0.0 33.8 50.6#

86 48.2 49.4 74.0#



#27

cis-1,2-Dichloroethene

Concen: 0.249 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.012 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

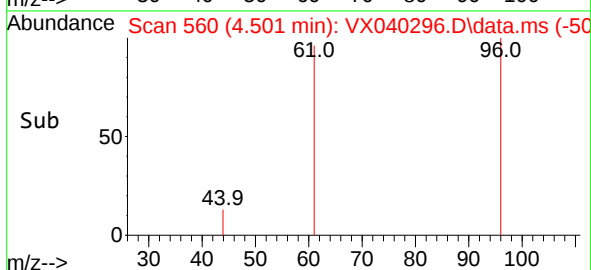
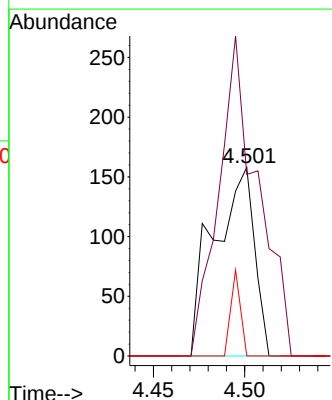
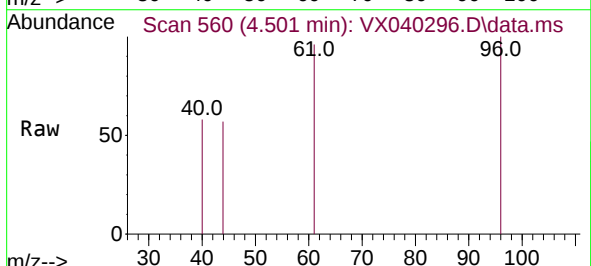
Tgt Ion: 96 Resp: 243

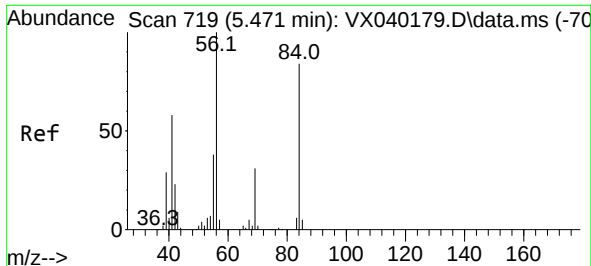
Ion Ratio Lower Upper

96 100

61 163.4 0.0 312.2

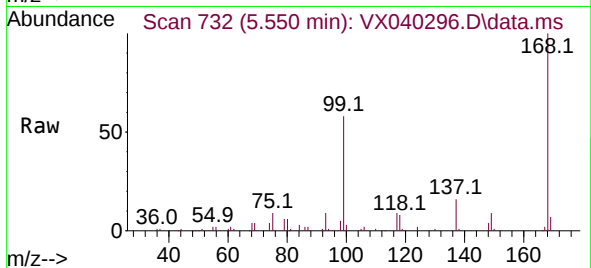
98 10.7 0.0 129.0



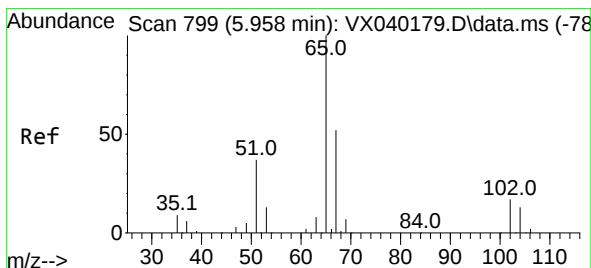
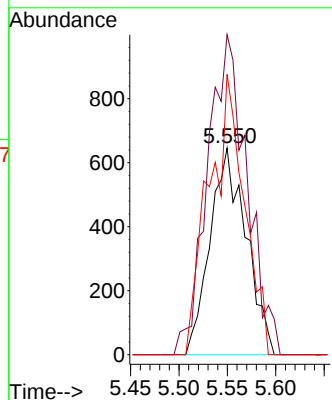
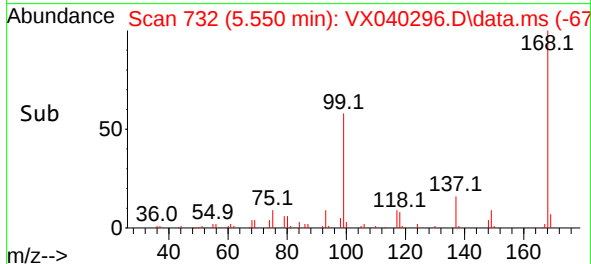


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Instrument :
MSVOA_X
ClientSampleId :

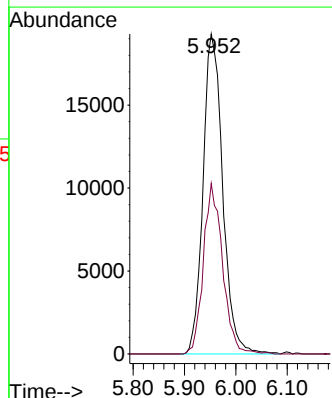
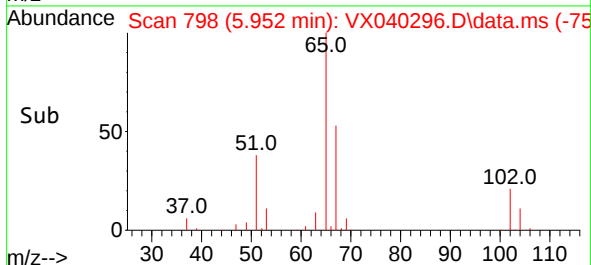
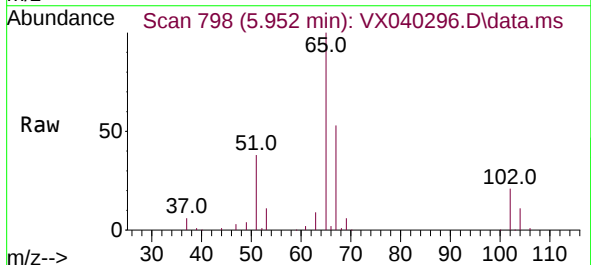


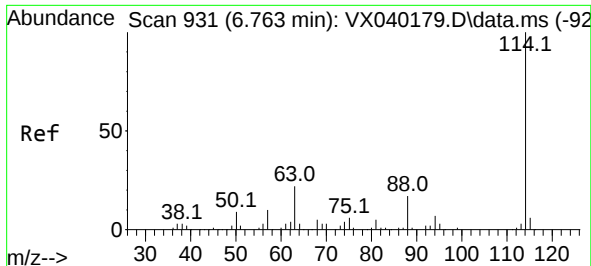
Tgt Ion: 56 Resp: 1672
Ion Ratio Lower Upper
56 100
69 154.8 23.4 35.2#
84 135.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.835 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion: 65 Resp: 51329
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

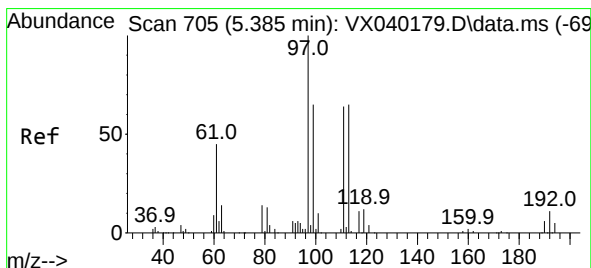
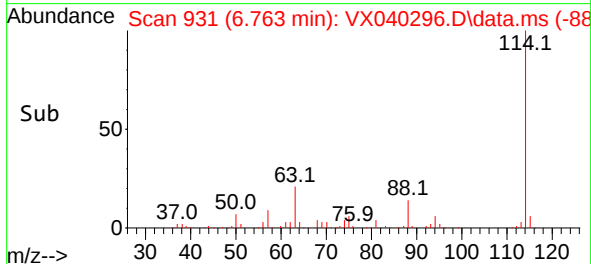
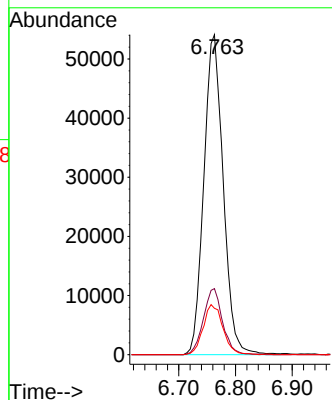
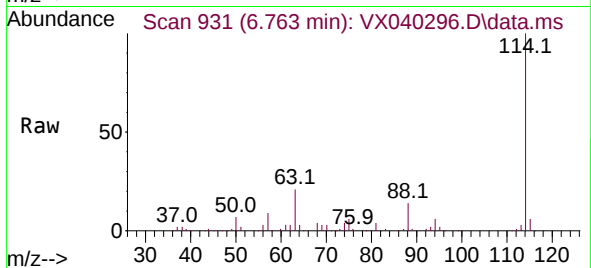




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

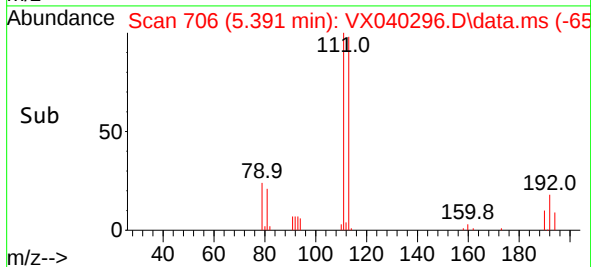
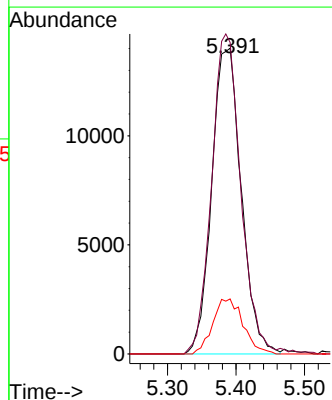
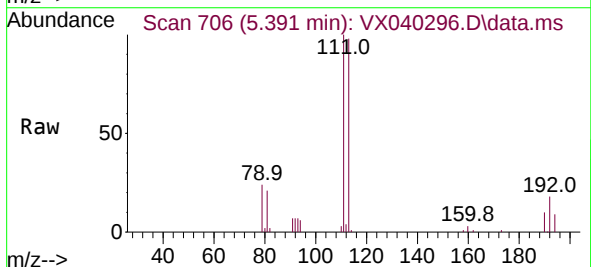
Instrument :
MSVOA_X
ClientSampleId :

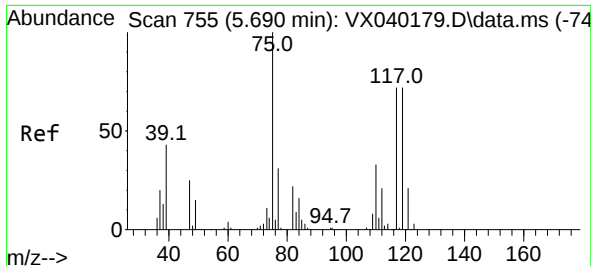
Tgt Ion:114 Resp: 128531
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.766 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion:113 Resp: 41977
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 18.5 13.3 19.9

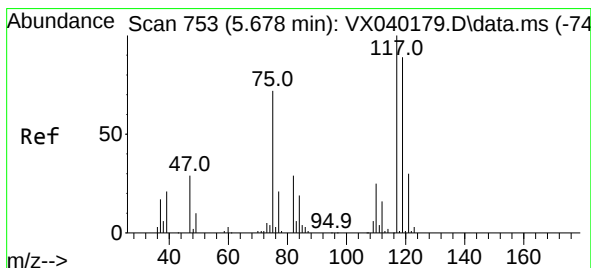
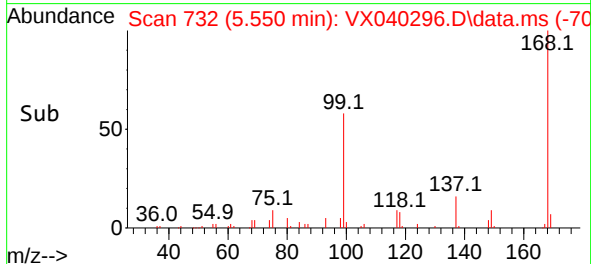
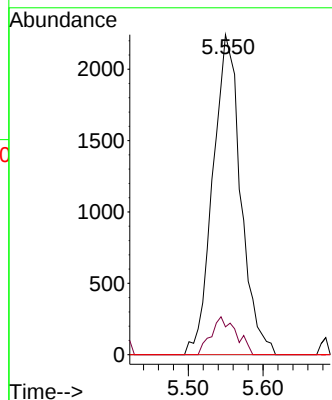
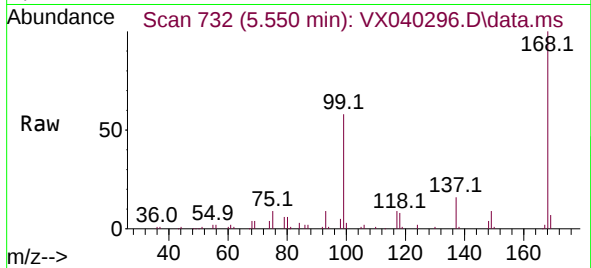




#36
1,1-Dichloropropene
Concen: 4.631 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

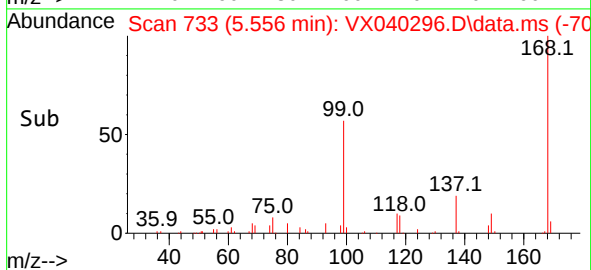
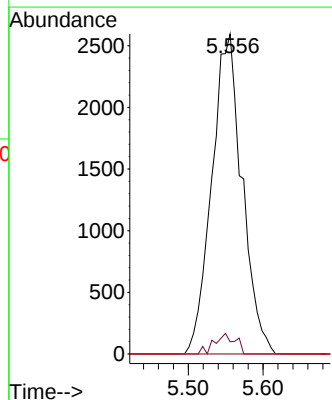
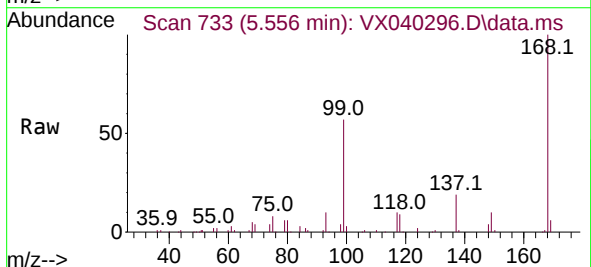
Instrument :
MSVOA_X
ClientSampleId :

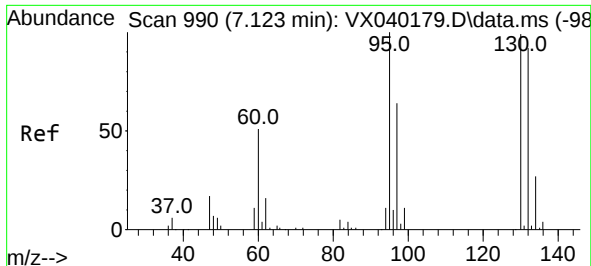
Tgt Ion: 75 Resp: 5823
Ion Ratio Lower Upper
75 100
110 10.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion: 117 Resp: 7312
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#

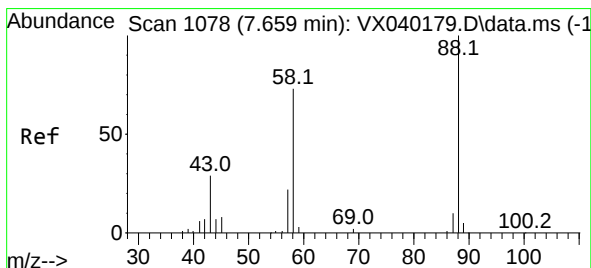
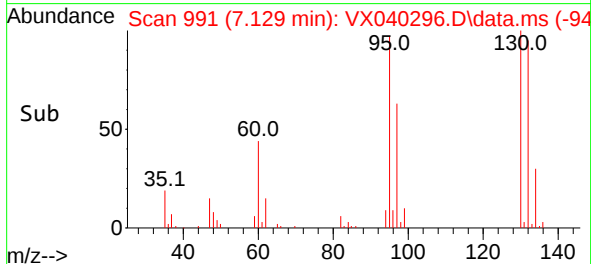
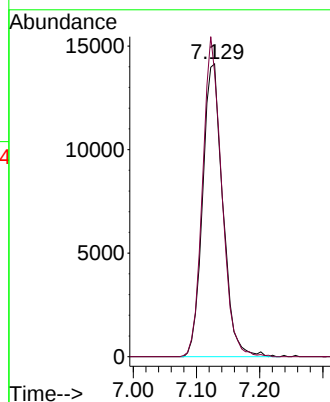
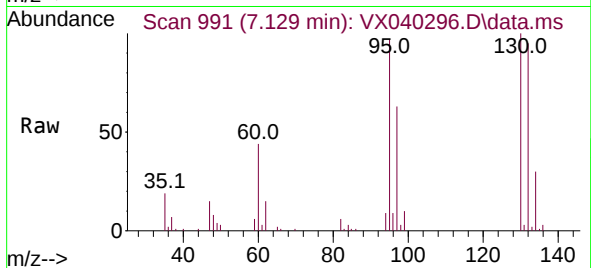




#44
Trichloroethene
Concen: 32.415 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

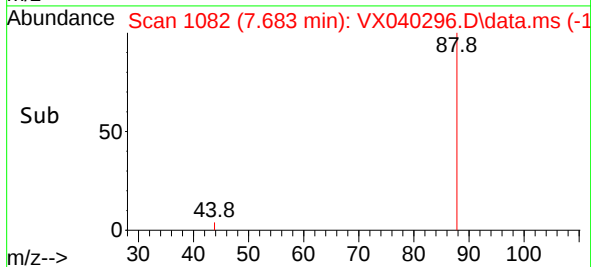
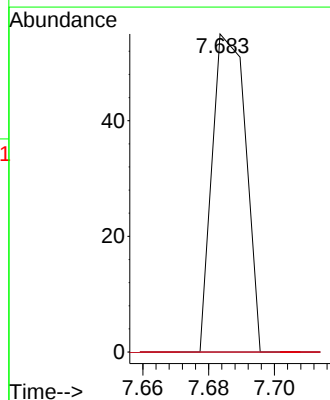
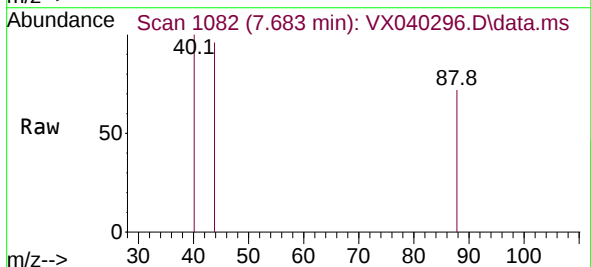
Instrument :
MSVOA_X
ClientSampleId :

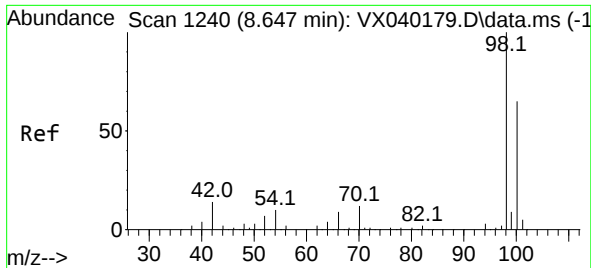
Tgt Ion:130 Resp: 31440
Ion Ratio Lower Upper
130 100
95 97.1 0.0 204.4



#49
1,4-Dioxane
Concen: 1.604 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

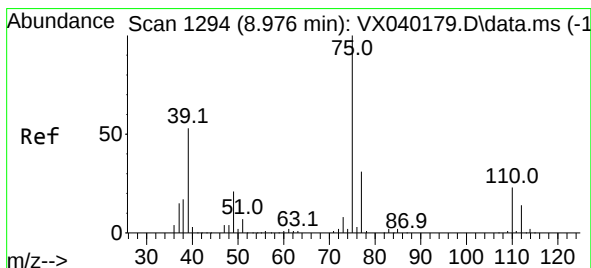
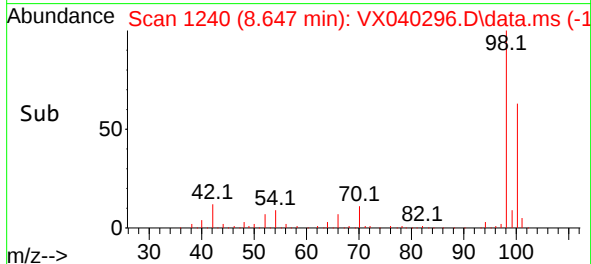
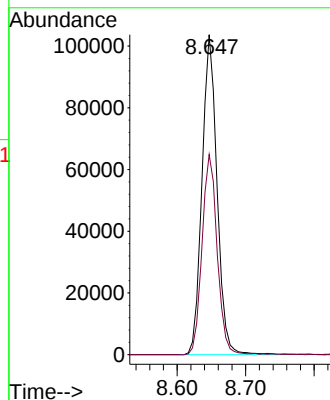
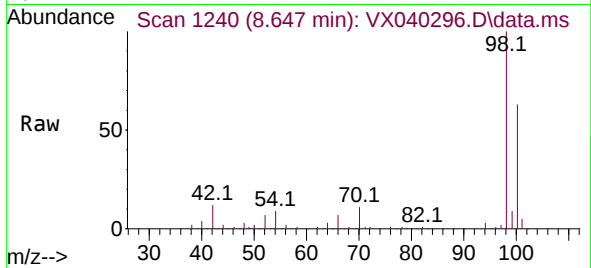




#50
Toluene-d8
Concen: 47.196 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

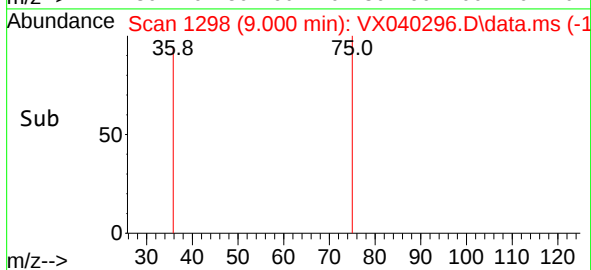
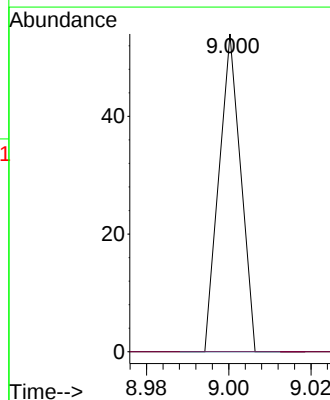
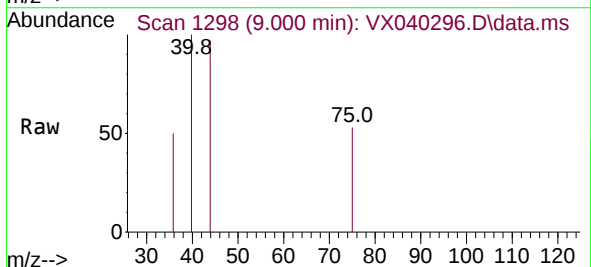
Instrument :
MSVOA_X
ClientSampleId :

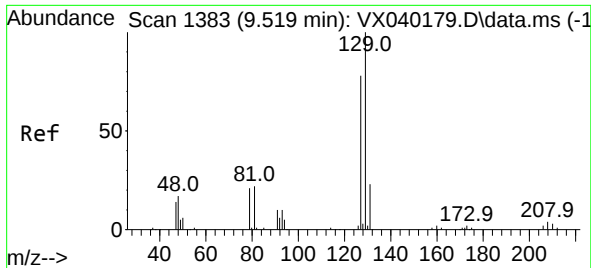
Tgt Ion: 98 Resp: 158466
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7



#53
t-1,3-Dichloropropene
Concen: 1.971 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.024 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

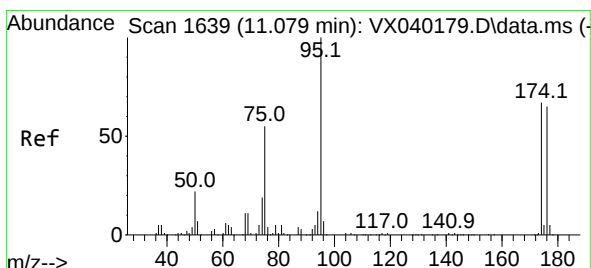
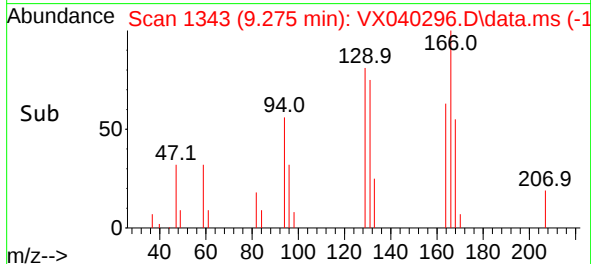
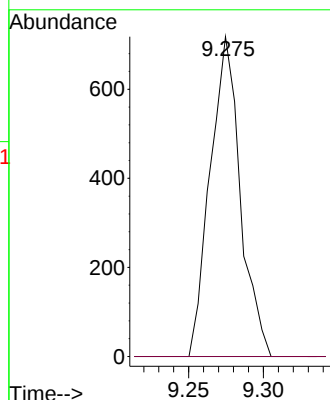
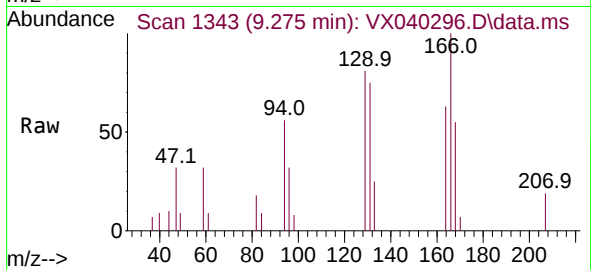




#60
Dibromochloromethane
Concen: 1.007 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

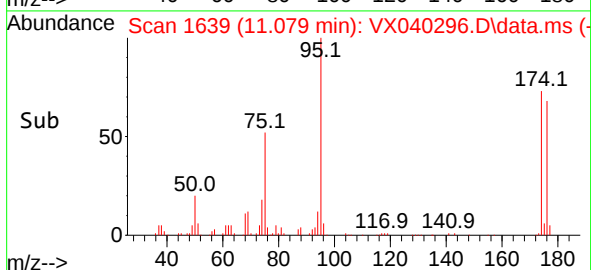
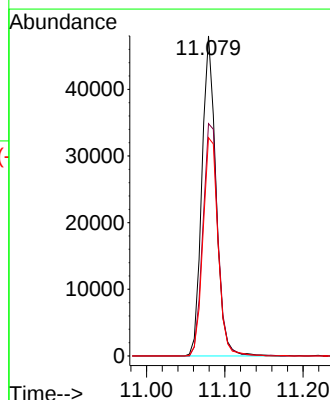
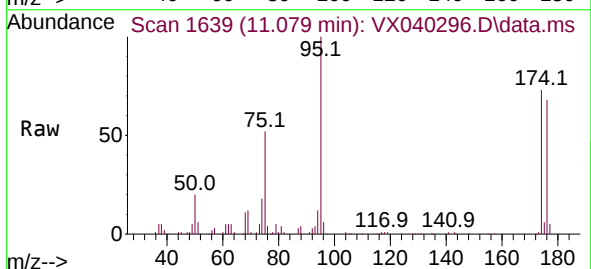
Instrument :
MSVOA_X
ClientSampleId :

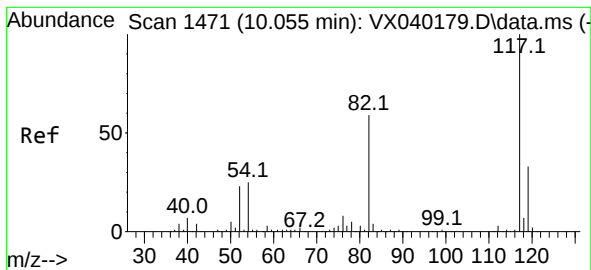
Tgt Ion:129 Resp: 1008
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.841 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion: 95 Resp: 60035
Ion Ratio Lower Upper
95 100
174 78.4 0.0 135.6
176 73.1 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: VX040296.D

Acq: 17 Feb 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

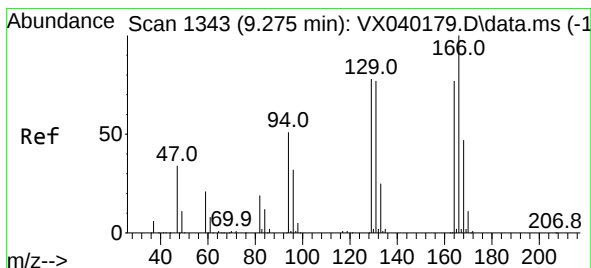
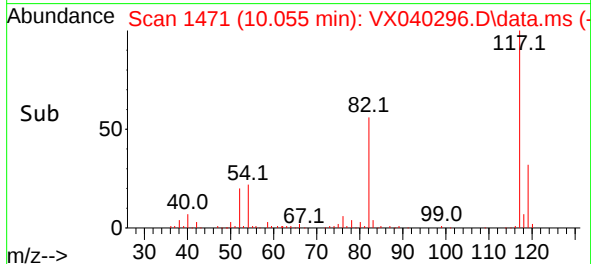
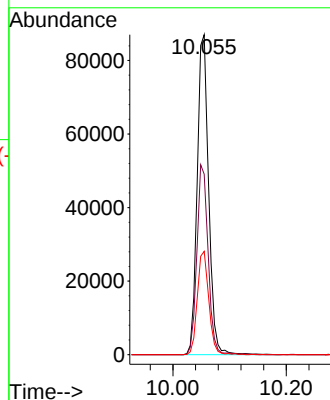
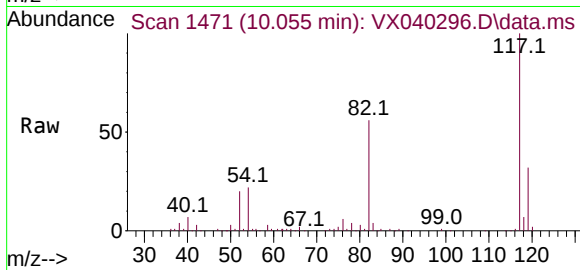
Tgt Ion:117 Resp: 121669

Ion Ratio Lower Upper

117 100

82 56.4 46.2 69.4

119 32.3 25.5 38.3



#64

Tetrachloroethene

Concen: 1.221 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

Tgt Ion:164 Resp: 1041

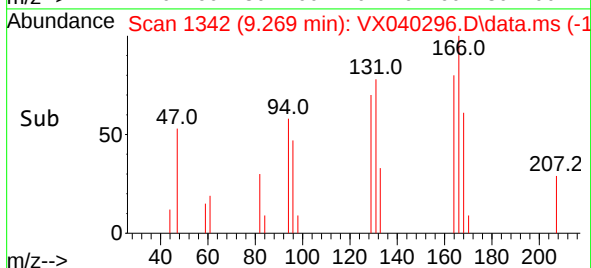
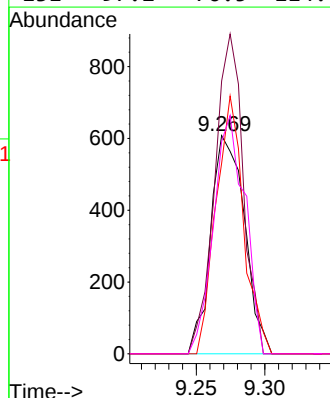
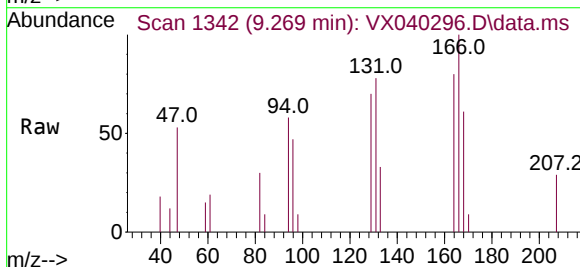
Ion Ratio Lower Upper

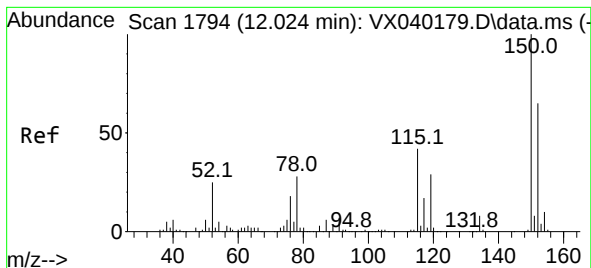
164 100

166 125.0 102.7 154.1

129 87.3 80.4 120.6

131 97.2 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

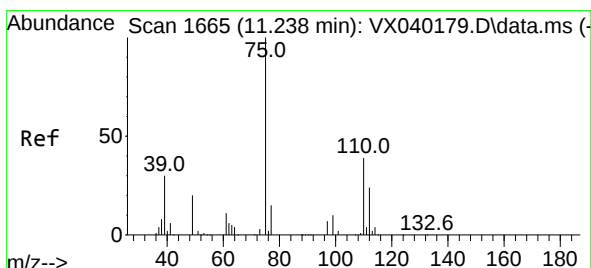
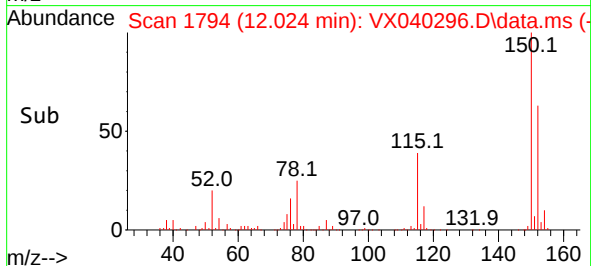
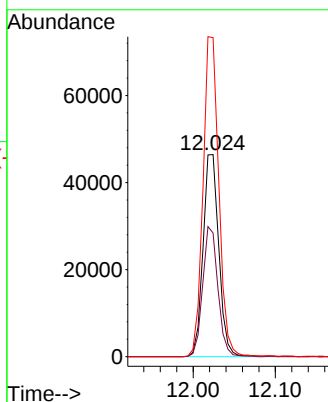
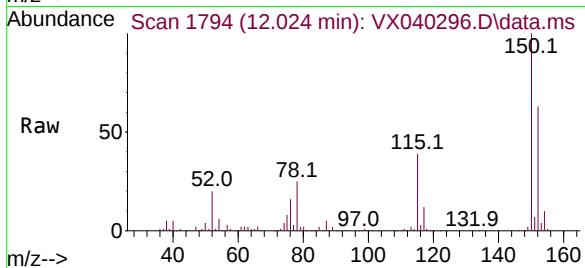
Tgt Ion:152 Resp: 61746

Ion Ratio Lower Upper

152 100

115 62.2 43.3 129.9

150 158.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.575 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040296.D

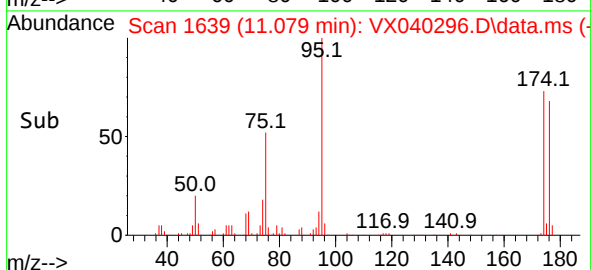
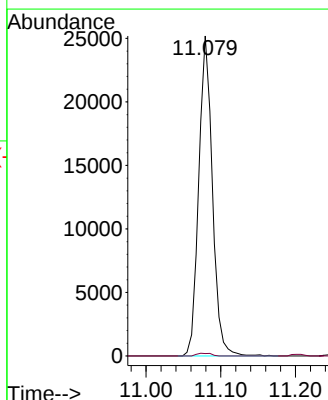
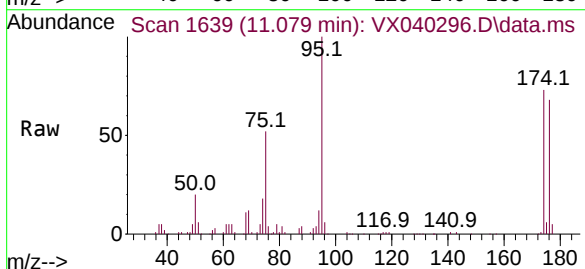
Acq: 17 Feb 2024 12:52

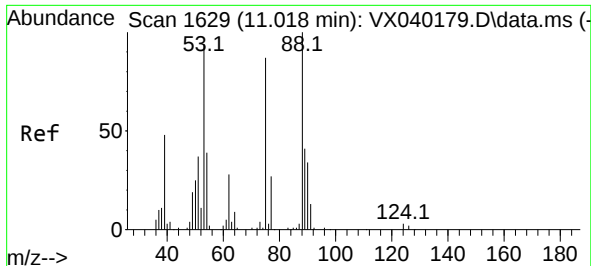
Tgt Ion: 75 Resp: 31979

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

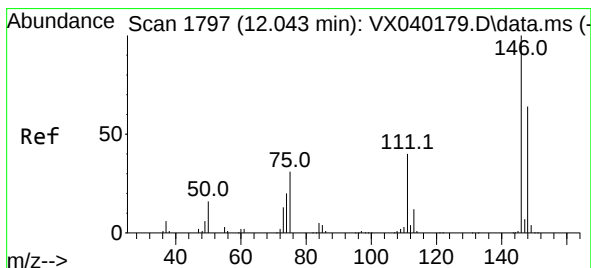
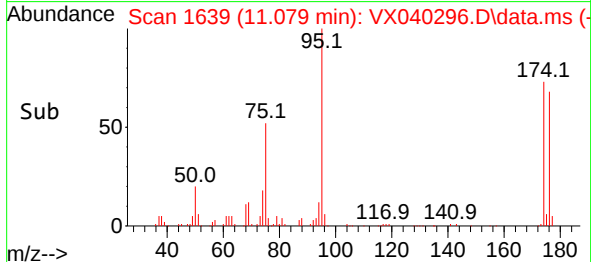
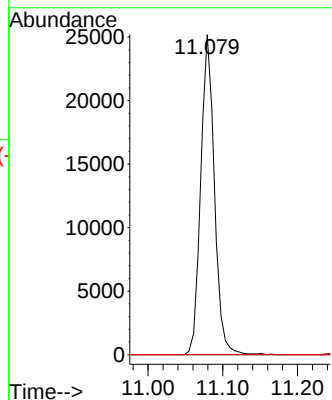
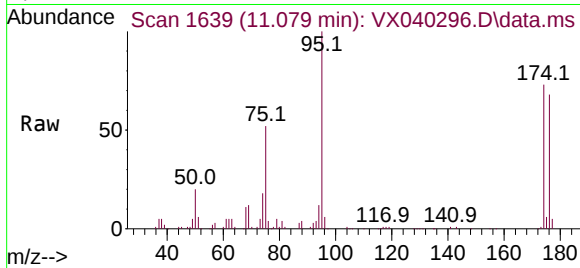




#81
trans-1,4-Dichloro-2-butene
Concen: 70.270 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

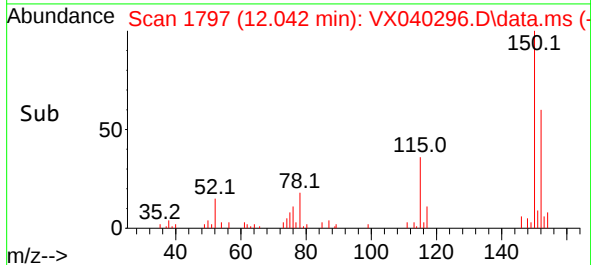
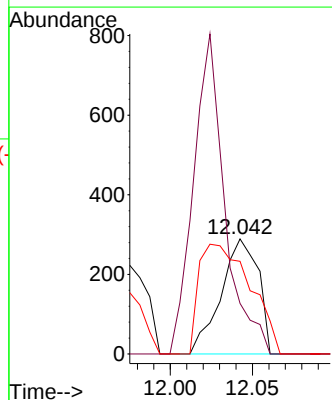
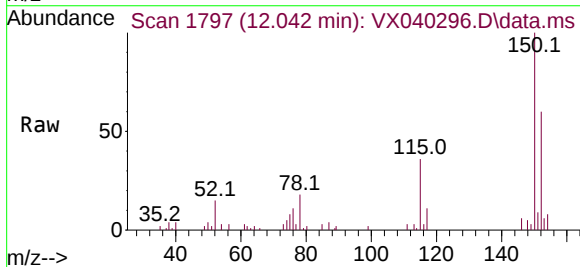
Instrument :
MSVOA_X
ClientSampleId :

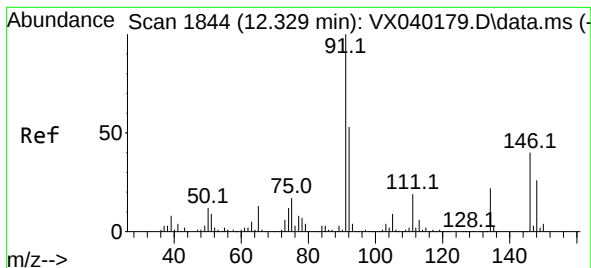
Tgt Ion: 75 Resp: 31979
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.212 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX040296.D
Acq: 17 Feb 2024 12:52

Tgt Ion: 146 Resp: 456
Ion Ratio Lower Upper
146 100
111 232.9 21.3 63.7#
148 131.8 31.8 95.4#





#89

n-Butylbenzene

Concen: 0.205 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

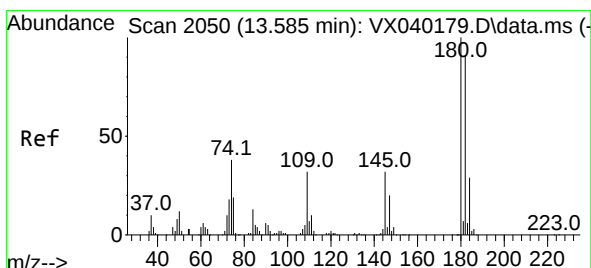
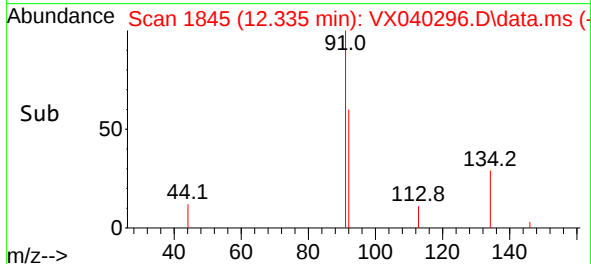
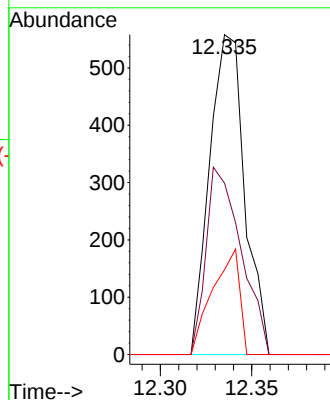
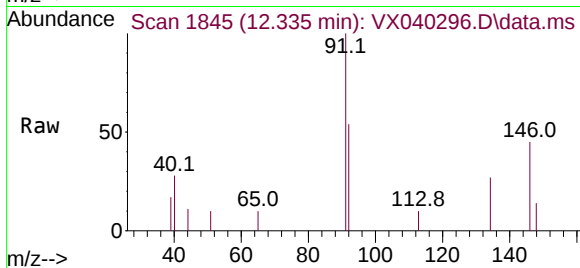
Tgt Ion: 91 Resp: 748

Ion Ratio Lower Upper

91 100

92 58.4 27.4 82.0

134 25.4 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.457 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

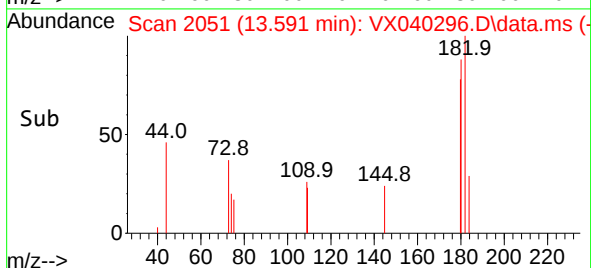
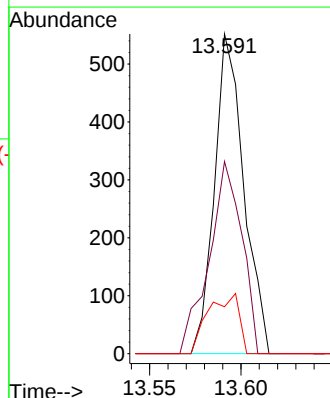
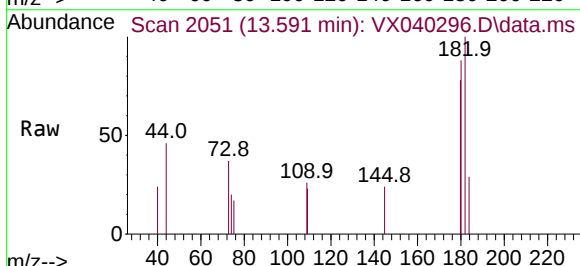
Tgt Ion: 180 Resp: 616

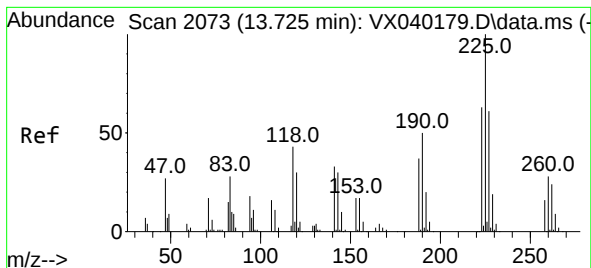
Ion Ratio Lower Upper

180 100

182 67.0 48.3 144.8

145 19.6 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.587 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX040296.D

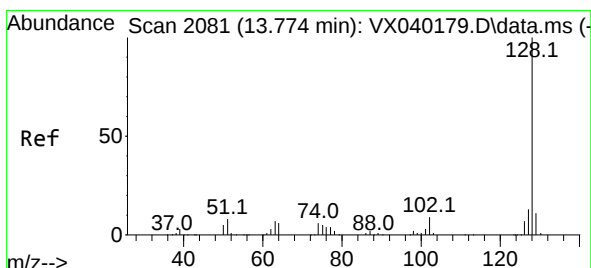
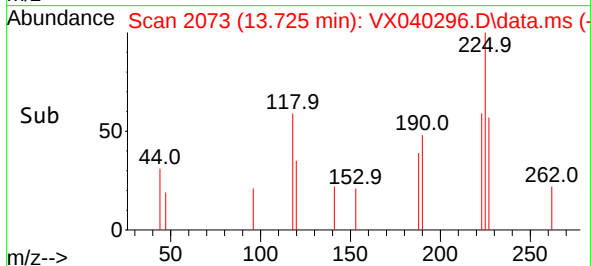
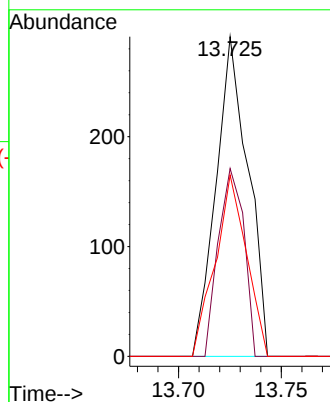
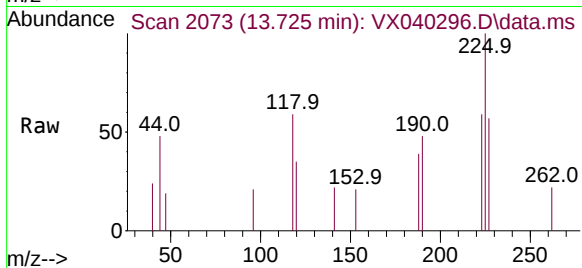
Acq: 17 Feb 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	316
Ion	Ratio	Lower Upper
225	100	
223	46.8	31.1 93.2
227	55.1	32.5 97.5



#95

Naphthalene

Concen: 0.374 ug/l

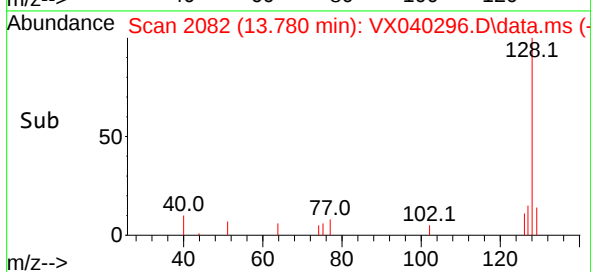
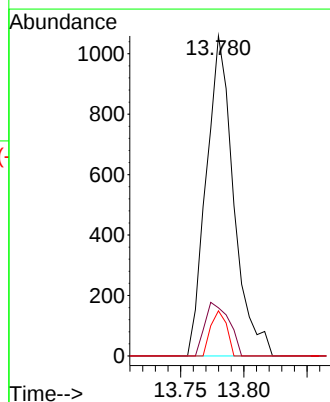
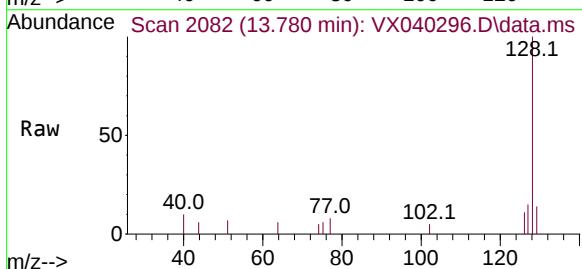
RT: 13.780 min Scan# 2082

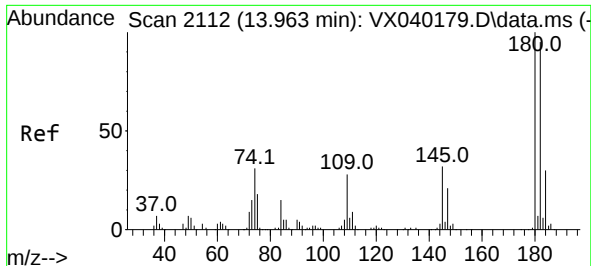
Delta R.T. 0.006 min

Lab File: VX040296.D

Acq: 17 Feb 2024 12:52

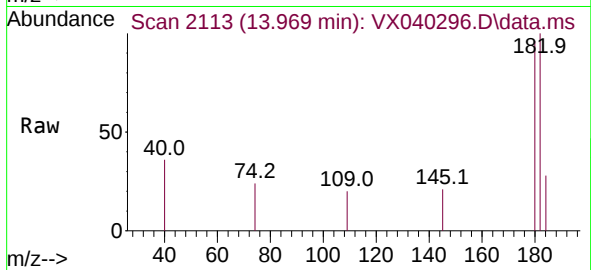
Tgt Ion:128	Resp:	1594
Ion	Ratio	Lower Upper
128	100	
127	14.7	10.3 15.5
129	8.2	8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.380 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX040296.D
 Acq: 17 Feb 2024 12:52

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180	Resp:	489
Ion	Ratio	Lower Upper
180	100	
182	116.8	46.9 140.6
145	25.4	17.8 53.5

