

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092624\
 Data File : VX043166.D
 Acq On : 26 Sep 2024 10:30
 Operator : JC/MD
 Sample : VX0926WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 27 01:38:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

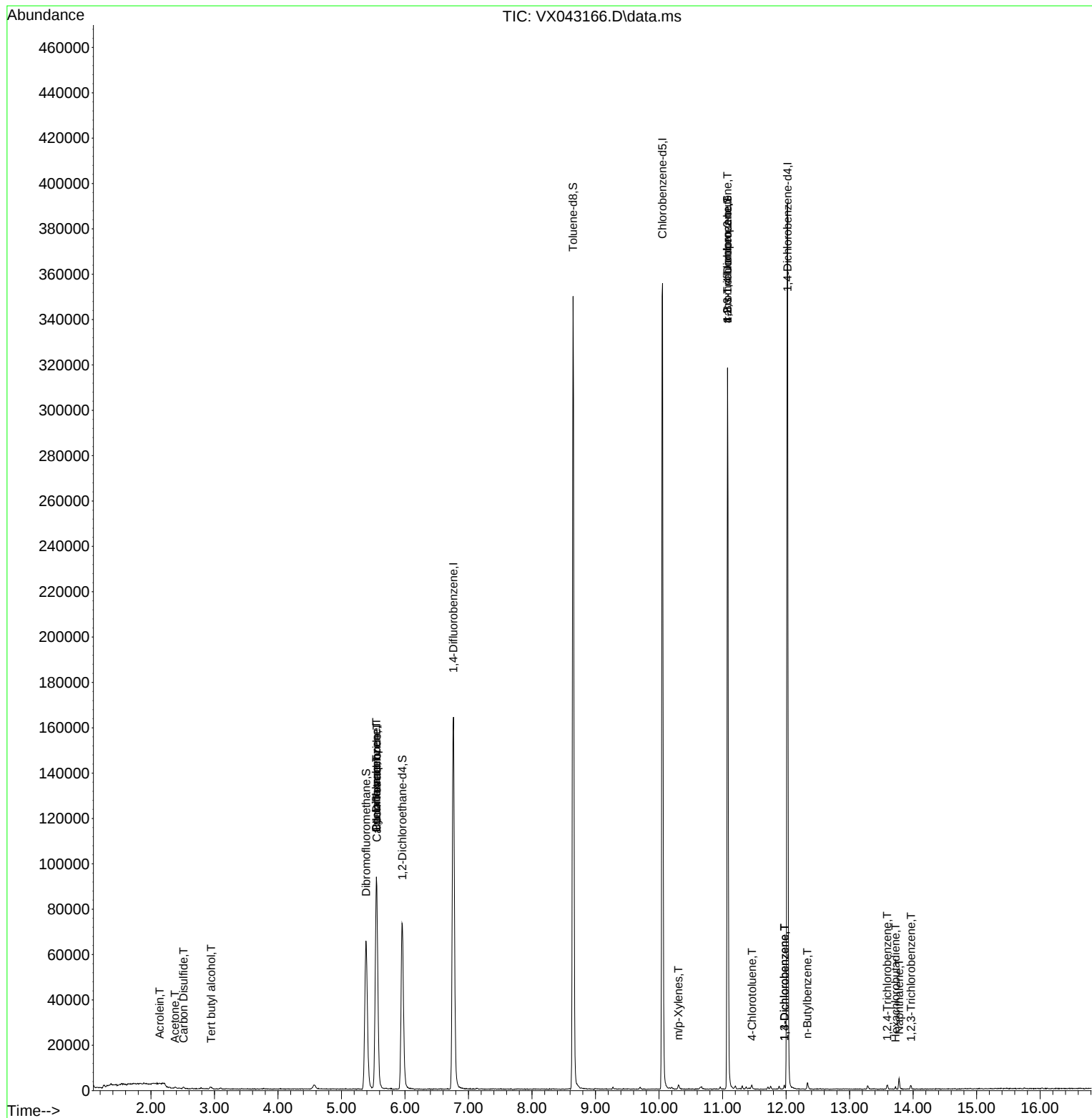
Internal Standards						
1) Pentafluorobenzene	5.550	168	83569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74683	53.802	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	5.385	113	58035	49.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.200%			
50) Toluene-d8	8.647	98	203930	51.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.020%			
62) 4-Bromofluorobenzene	11.079	95	83572	52.421	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.840%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	346	1.116	ug/l #	71
13) Acrolein	2.136	56	90	2.204	ug/l #	1
16) Acetone	2.380	43	904	1.393	ug/l #	78
17) Carbon Disulfide	2.514	76	814	0.370	ug/l #	75
31) Cyclohexane	5.550	56	2203	1.614	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	7339	5.104	ug/l #	49
38) Carbon Tetrachloride	5.556	117	9309	5.026	ug/l #	15
68) m/p-Xylenes	10.305	106	654	0.300	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	45217	26.307	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	45217	62.678	ug/l #	7
82) 4-Chlorotoluene	11.463	91	1079	0.219	ug/l	88
87) 1,3-Dichlorobenzene	11.975	146	682	0.257	ug/l	88
88) 1,4-Dichlorobenzene	11.975	146	682	0.256	ug/l	88
89) n-Butylbenzene	12.335	91	1134	0.247	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	698	0.431	ug/l	92
94) Hexachlorobutadiene	13.725	225	217	0.319	ug/l	82
95) Naphthalene	13.780	128	3387	0.601	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	581	0.361	ug/l	93

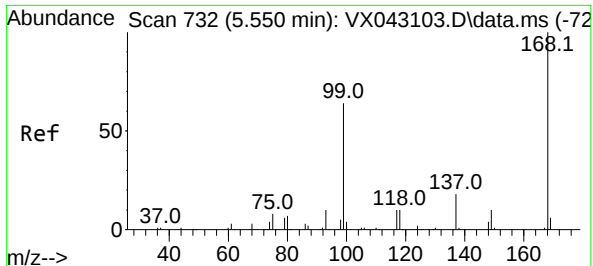
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 27 01:38:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



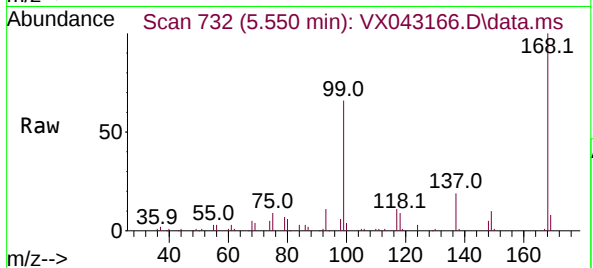


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

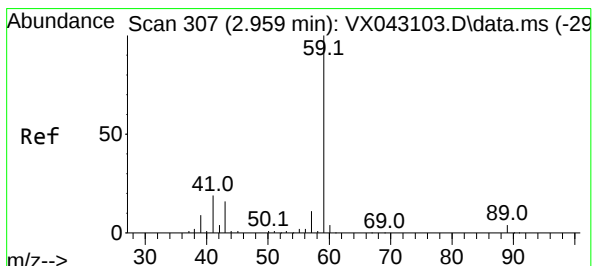
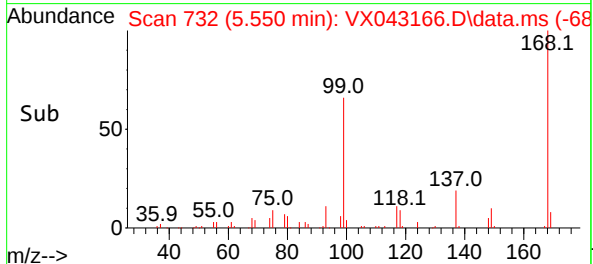
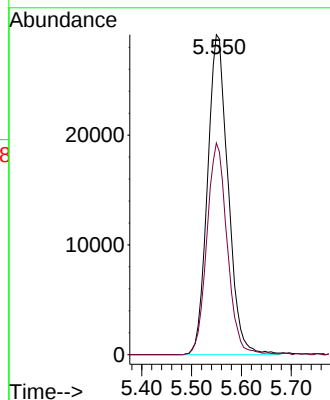
Instrument :

MSVOA_X

ClientSampleId :

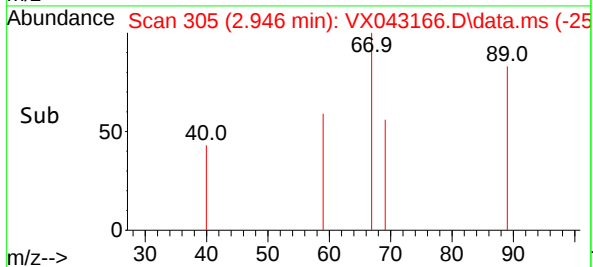
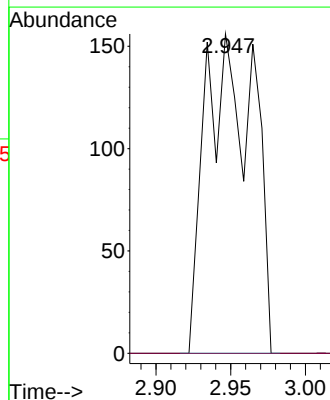
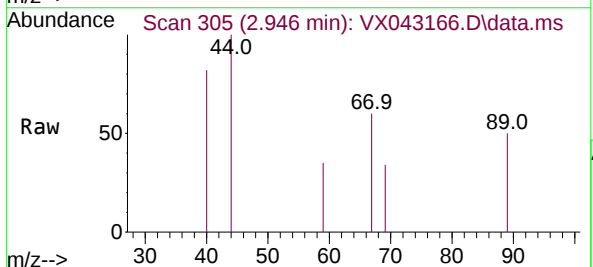


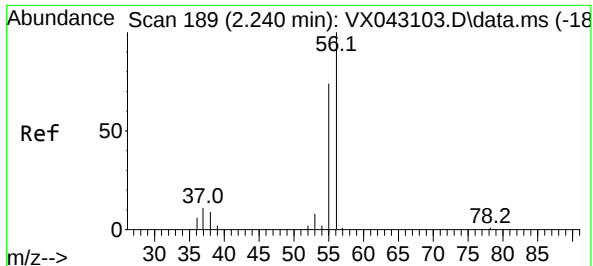
Tgt Ion:168 Resp: 83569
Ion Ratio Lower Upper
168 100
99 66.2 50.8 76.2



#11
Tert butyl alcohol
Concen: 1.116 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

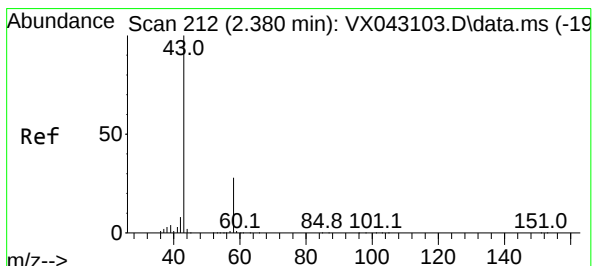
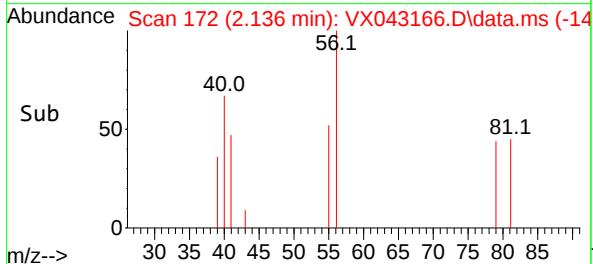
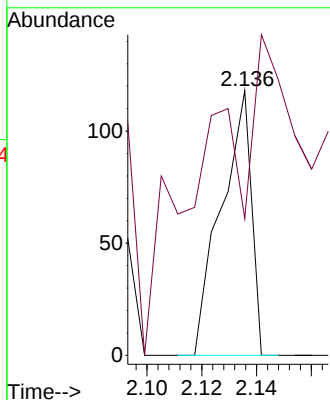
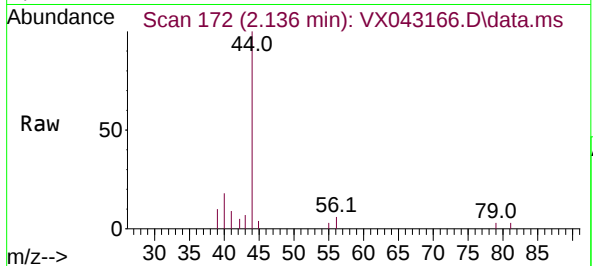




#13
Acrolein
Concen: 2.204 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.104 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

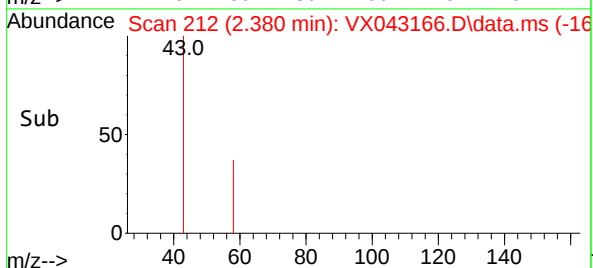
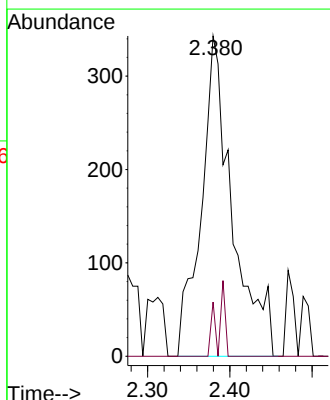
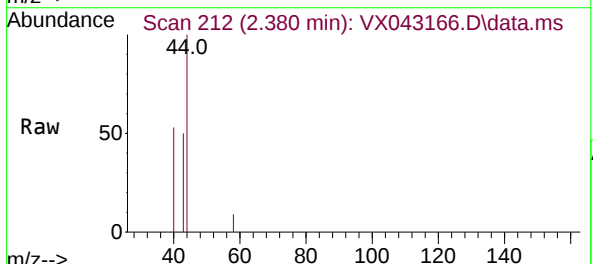
Instrument :
MSVOA_X
ClientSampleId :

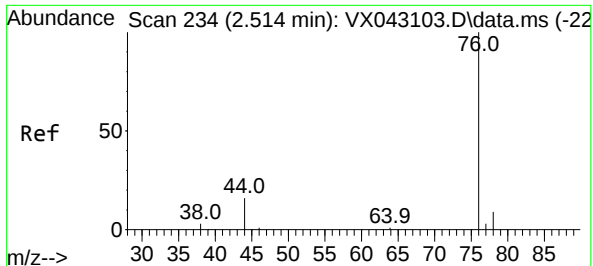
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 197.8 55.8 83.6#



#16
Acetone
Concen: 1.393 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 16.9 22.6 34.0#





#17

Carbon Disulfide

Concen: 0.370 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

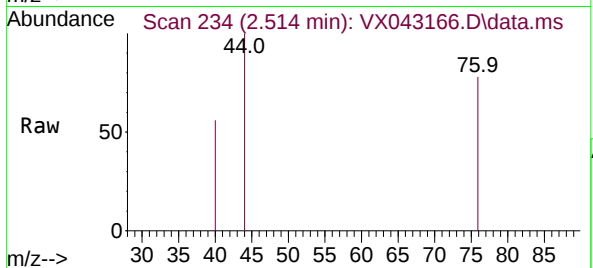
Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

Instrument :

MSVOA_X

ClientSampleId :

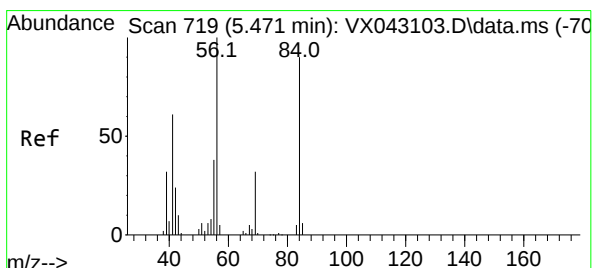
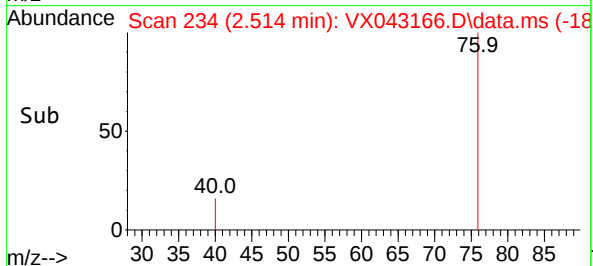
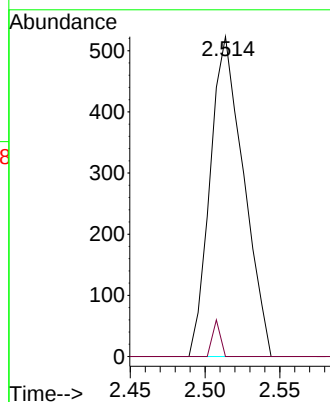


Tgt Ion: 76 Resp: 814

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#31

Cyclohexane

Concen: 1.614 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

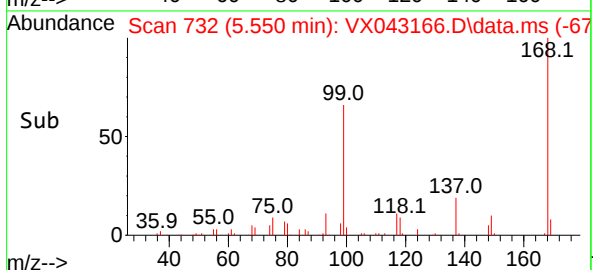
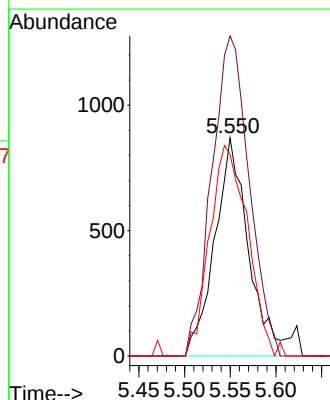
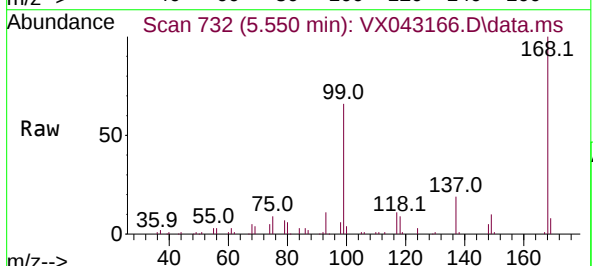
Tgt Ion: 56 Resp: 2203

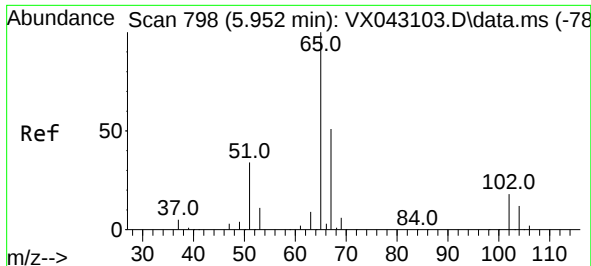
Ion Ratio Lower Upper

56 100

69 146.8 25.8 38.6#

84 92.4 72.4 108.6





#33

1,2-Dichloroethane-d4

Concen: 53.802 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

Instrument :

MSVOA_X

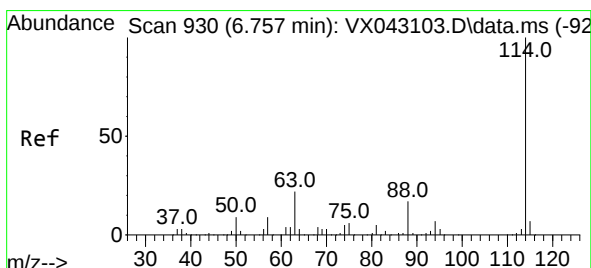
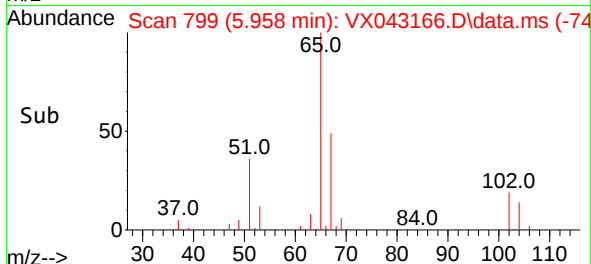
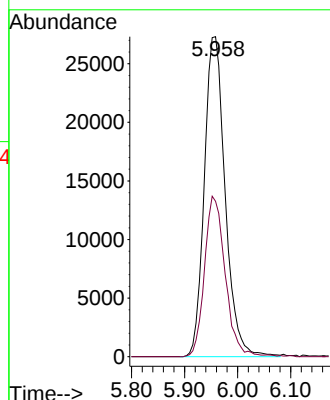
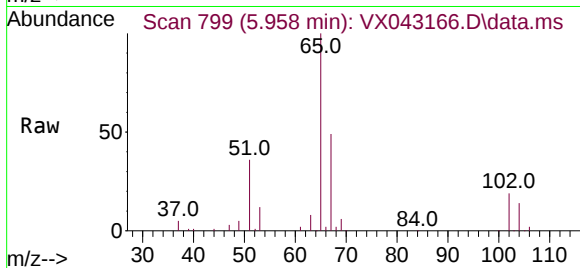
ClientSampleId :

Tgt Ion: 65 Resp: 74683

Ion Ratio Lower Upper

65 100

67 49.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

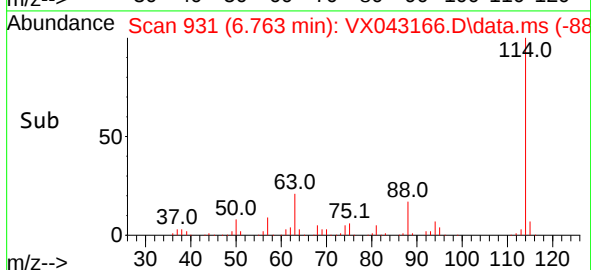
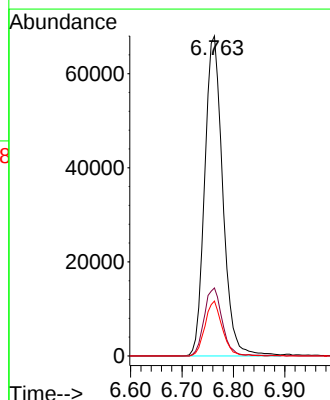
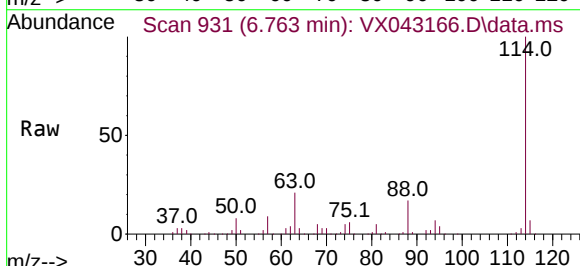
Tgt Ion: 114 Resp: 165873

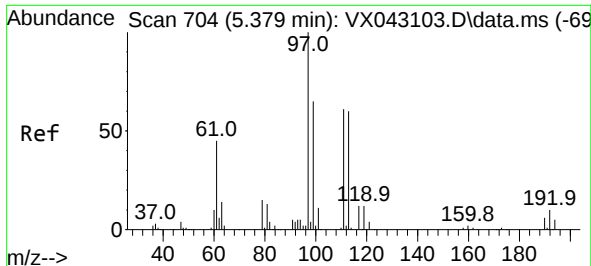
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 17.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.597 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

Instrument :

MSVOA_X

ClientSampleId :

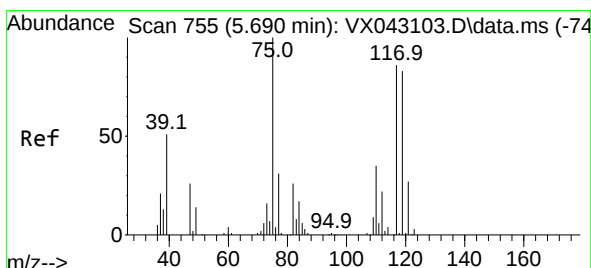
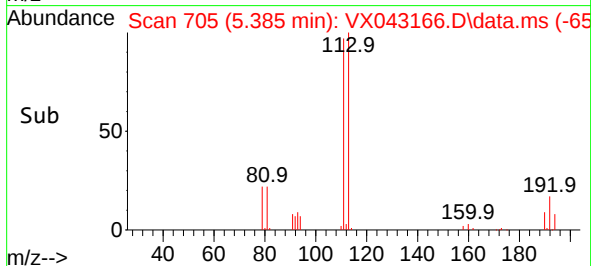
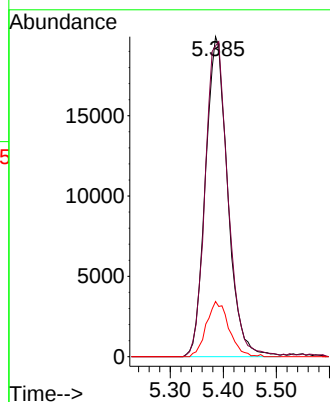
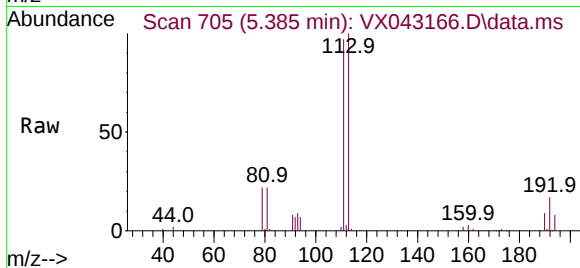
Tgt Ion:113 Resp: 58035

Ion Ratio Lower Upper

113 100

111 101.2 82.6 124.0

192 17.6 14.6 22.0



#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

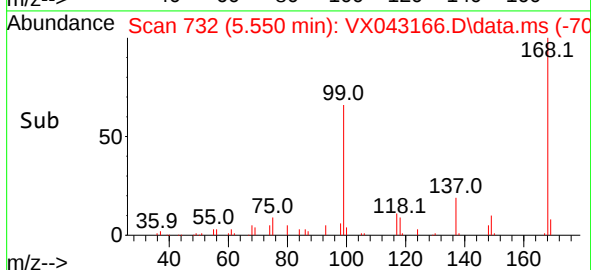
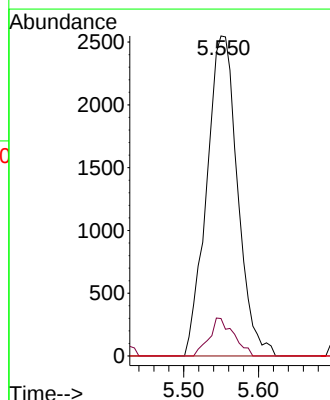
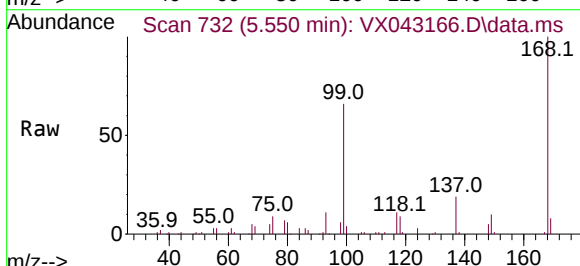
Tgt Ion: 75 Resp: 7339

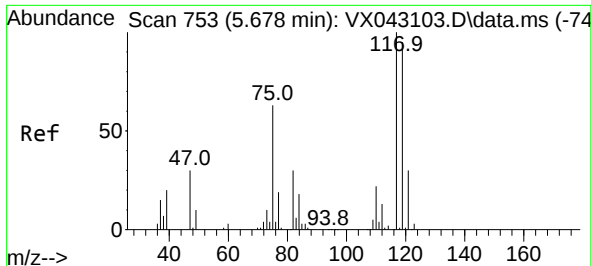
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

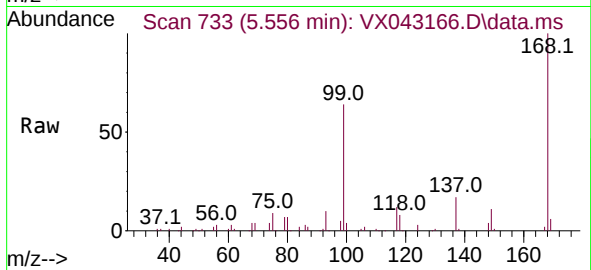
77 0.0 25.2 37.8#



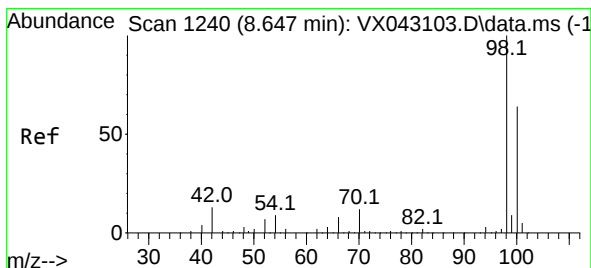
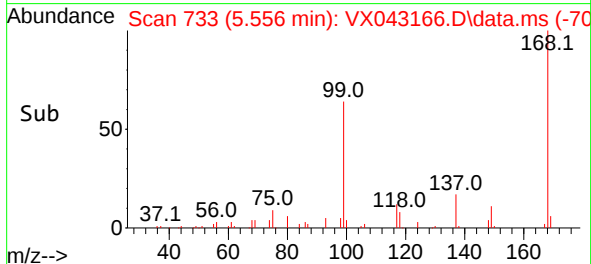
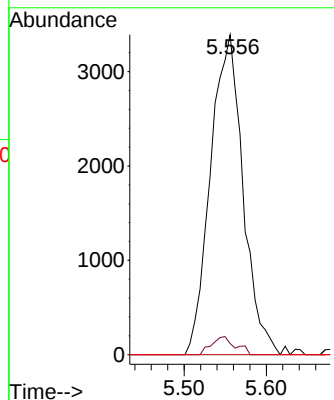


#38
Carbon Tetrachloride
Concen: 5.026 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Instrument :
MSVOA_X
ClientSampleId :

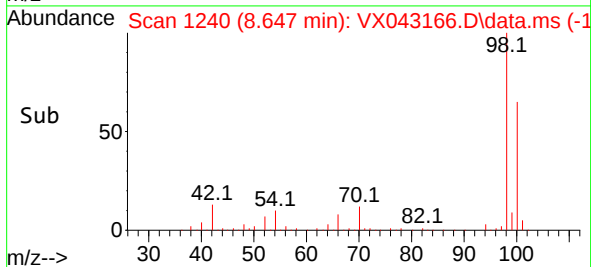
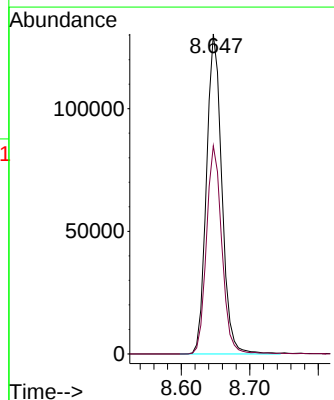
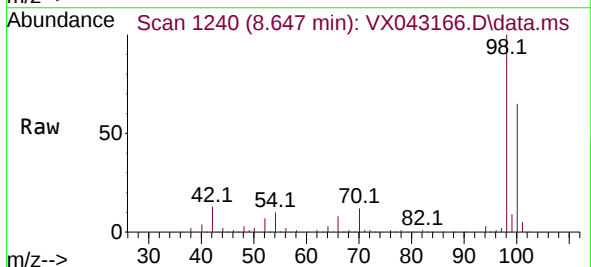


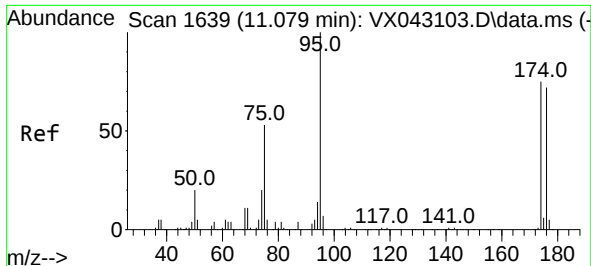
Tgt Ion:117 Resp: 9309
Ion Ratio Lower Upper
117 100
119 3.5 75.5 113.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.513 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Tgt Ion: 98 Resp: 203930
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 52.421 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

Instrument :

MSVOA_X

ClientSampleId :

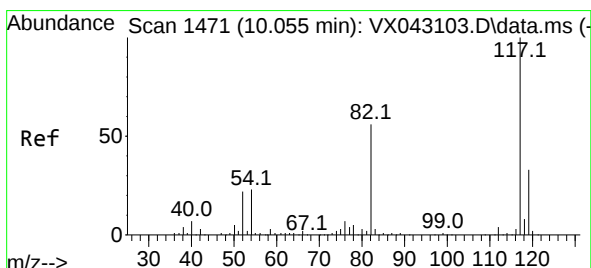
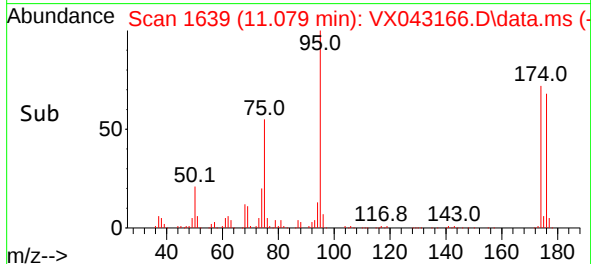
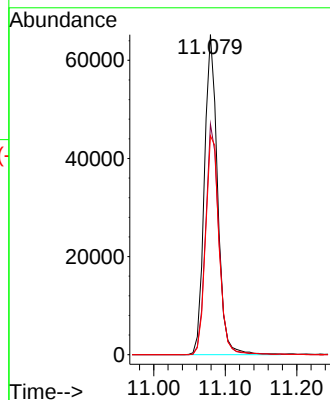
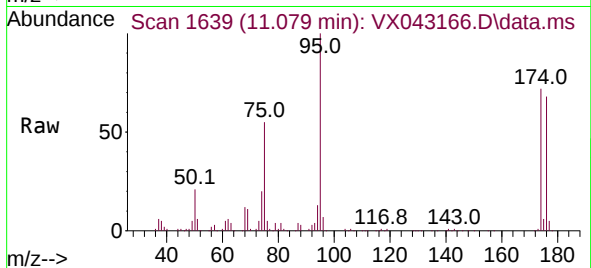
Tgt Ion: 95 Resp: 83572

Ion Ratio Lower Upper

95 100

174 72.2 0.0 146.0

176 70.5 0.0 142.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

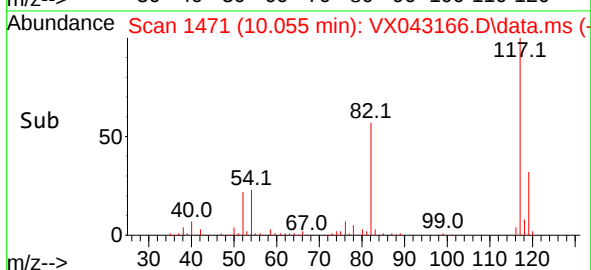
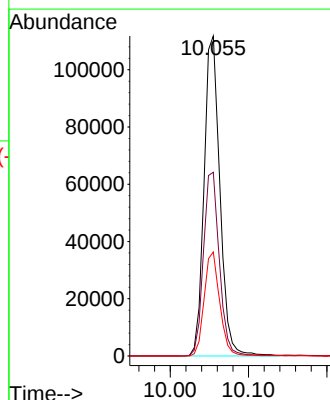
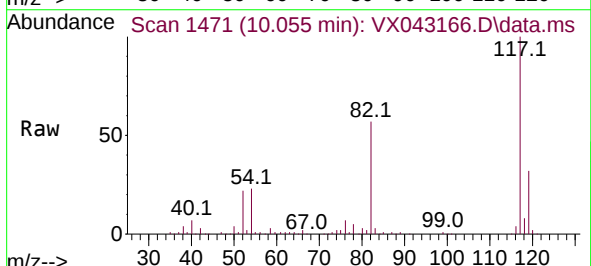
Tgt Ion: 117 Resp: 156853

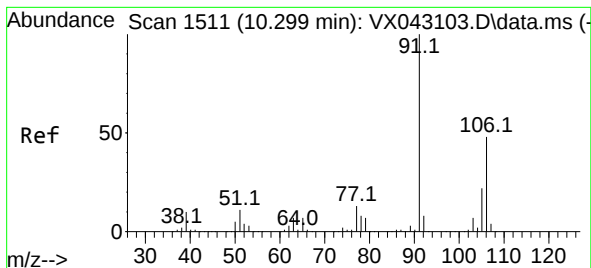
Ion Ratio Lower Upper

117 100

82 57.4 44.7 67.1

119 32.5 26.3 39.5

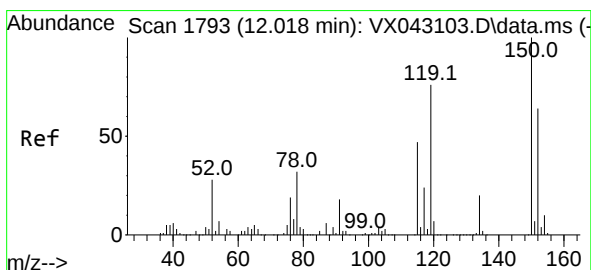
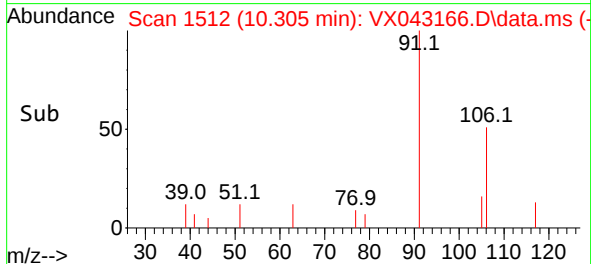
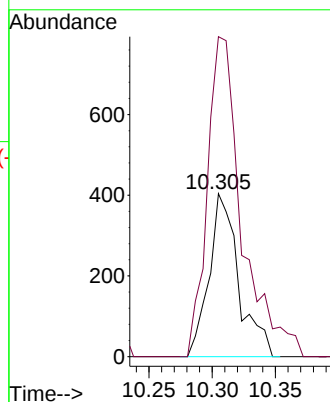
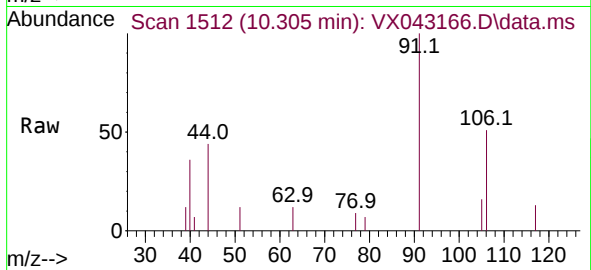




#68
m/p-Xylenes
Concen: 0.300 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

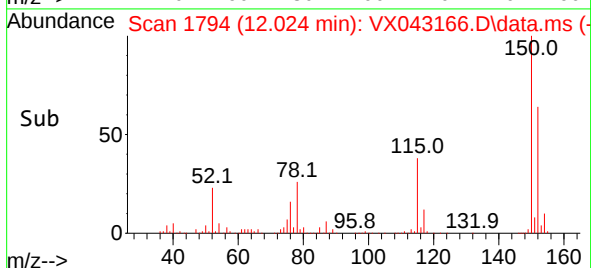
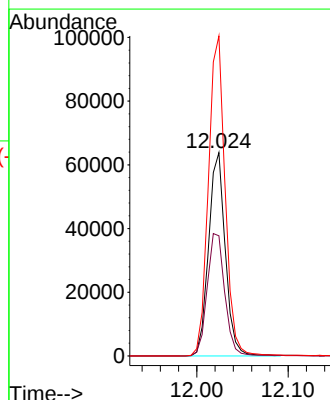
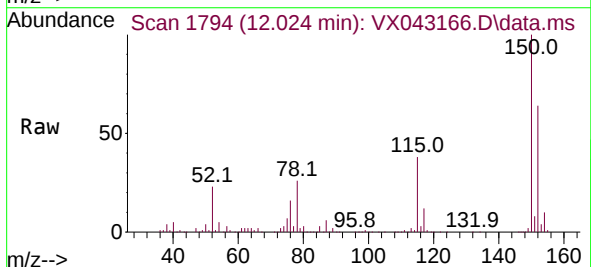
Instrument :
MSVOA_X
ClientSampleId :

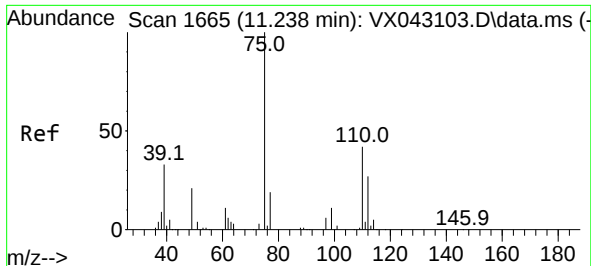
Tgt Ion:106 Resp: 654
Ion Ratio Lower Upper
106 100
91 230.0 167.5 251.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Tgt Ion:152 Resp: 80846
Ion Ratio Lower Upper
152 100
115 63.7 43.7 131.1
150 158.0 0.0 344.6

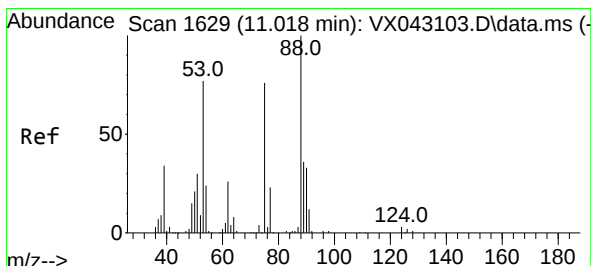
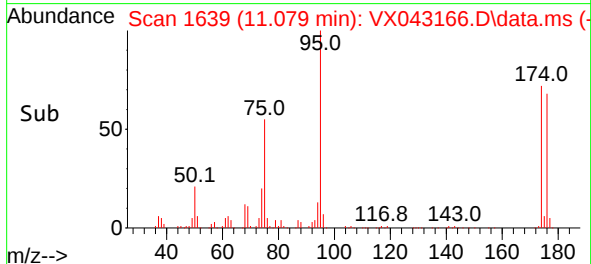
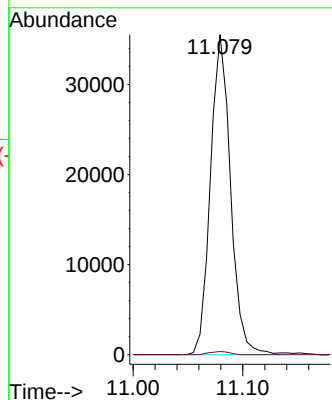
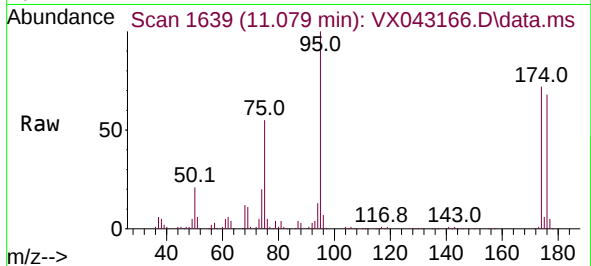




#76
1,2,3-Trichloropropane
Concen: 26.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

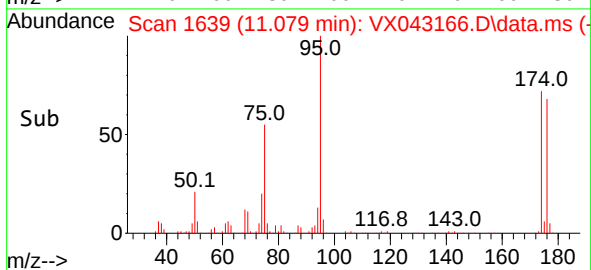
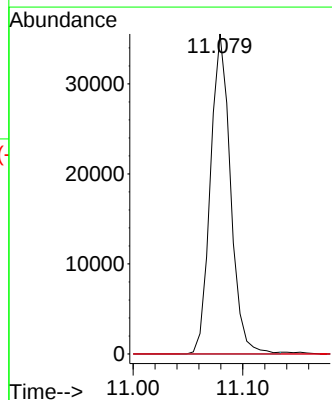
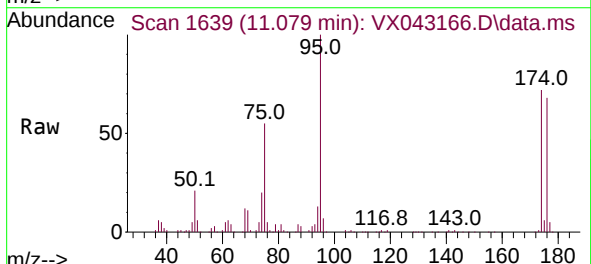
Instrument :
MSVOA_X
ClientSampleId :

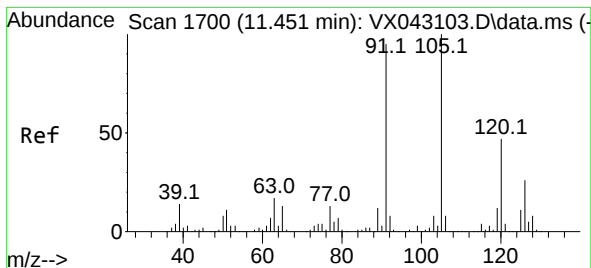
Tgt Ion: 75 Resp: 45217
Ion Ratio Lower Upper
75 100
77 1.0 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.678 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Tgt Ion: 75 Resp: 45217
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#

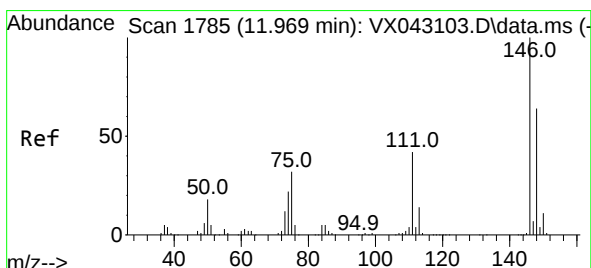
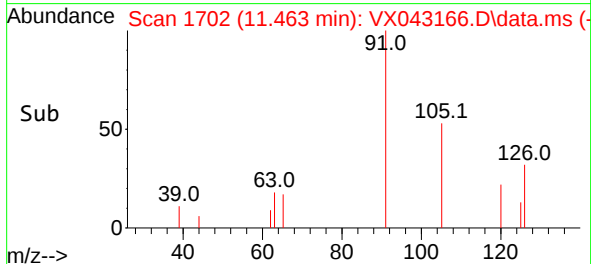
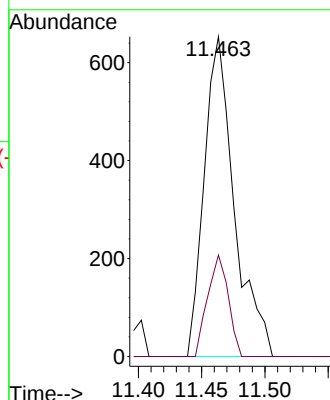
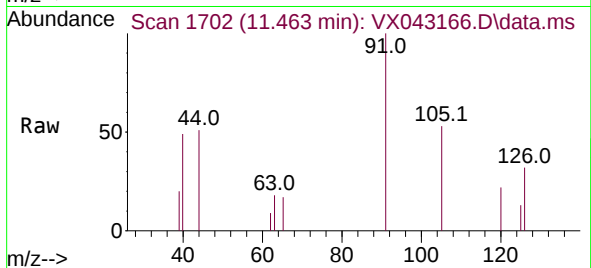




#82
4-Chlorotoluene
Concen: 0.219 ug/l
RT: 11.463 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

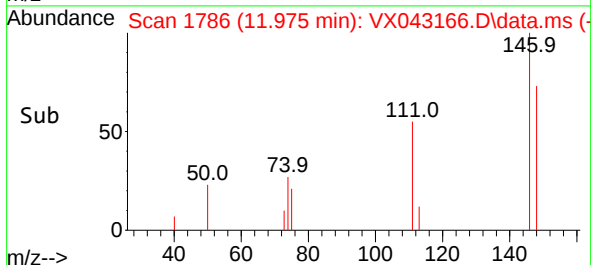
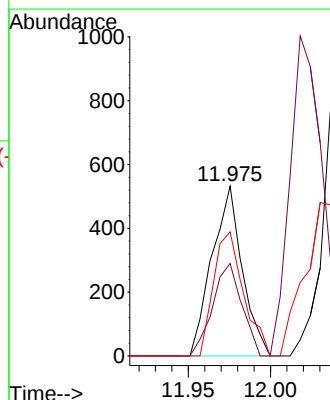
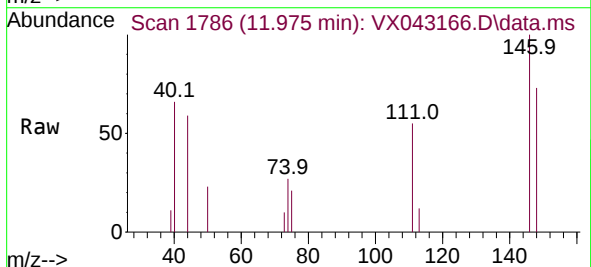
Instrument :
MSVOA_X
ClientSampleId :

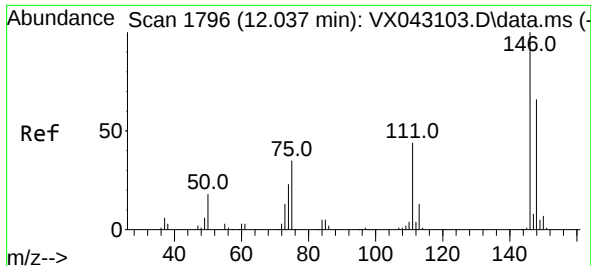
Tgt Ion: 91 Resp: 1079
Ion Ratio Lower Upper
91 100
126 21.8 14.1 42.4



#87
1,3-Dichlorobenzene
Concen: 0.257 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

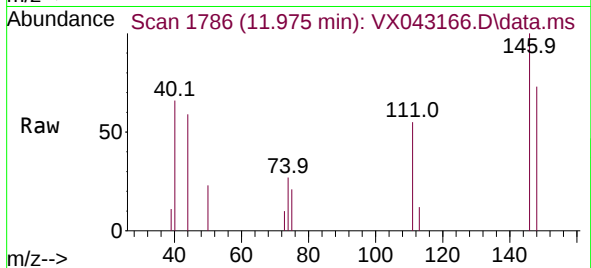
Tgt Ion:146 Resp: 682
Ion Ratio Lower Upper
146 100
111 52.5 21.6 64.6
148 72.3 31.9 95.5



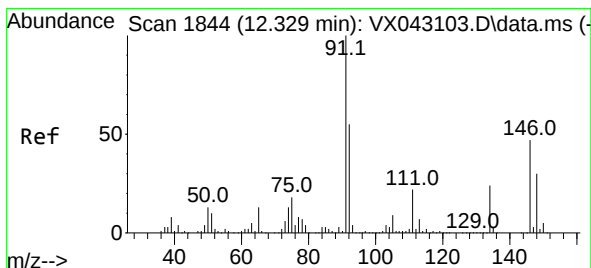
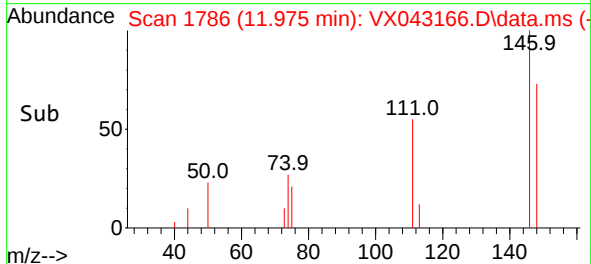
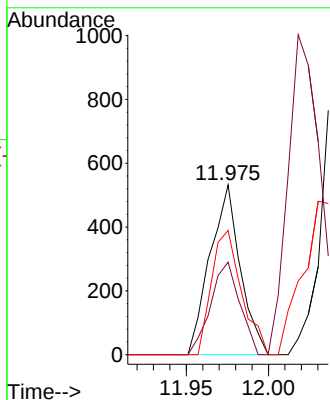


#88
1,4-Dichlorobenzene
Concen: 0.256 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Instrument :
MSVOA_X
ClientSampleId :

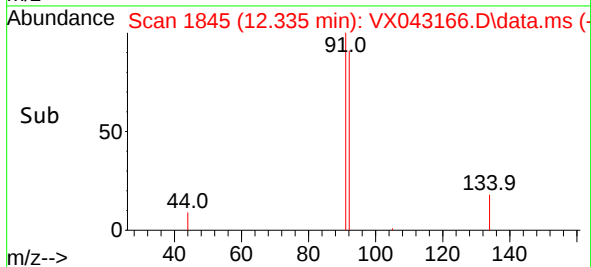
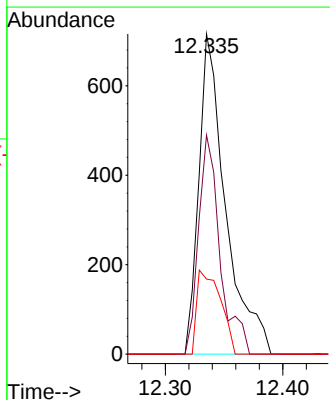
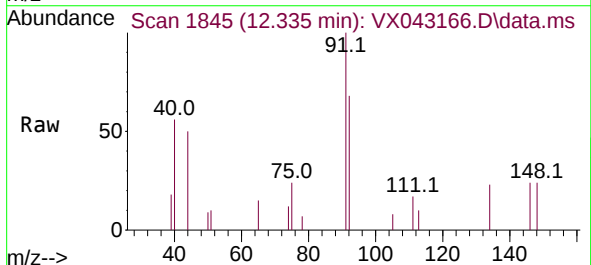


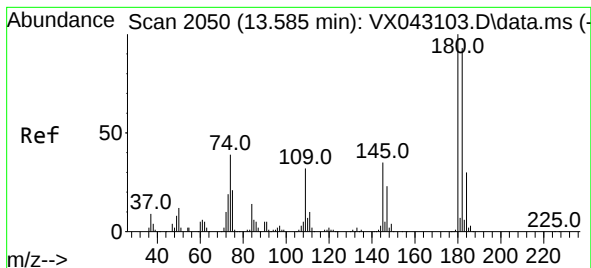
Tgt Ion:146 Resp: 682
Ion Ratio Lower Upper
146 100
111 52.5 21.2 63.6
148 72.3 32.6 98.0



#89
n-Butylbenzene
Concen: 0.247 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Tgt Ion: 91 Resp: 1134
Ion Ratio Lower Upper
91 100
92 54.8 26.9 80.7
134 23.0 12.6 37.6





#93

1,2,4-Trichlorobenzene

Concen: 0.431 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

Instrument :

MSVOA_X

ClientSampleId :

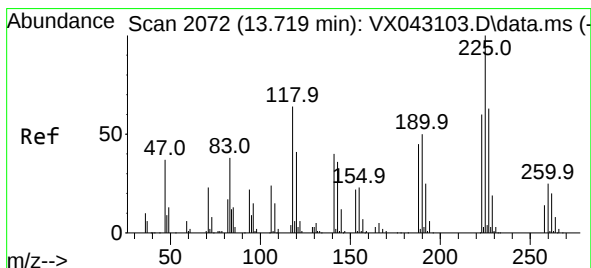
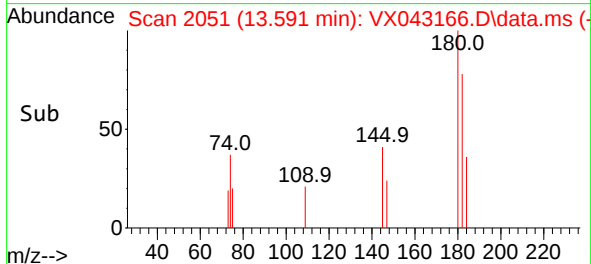
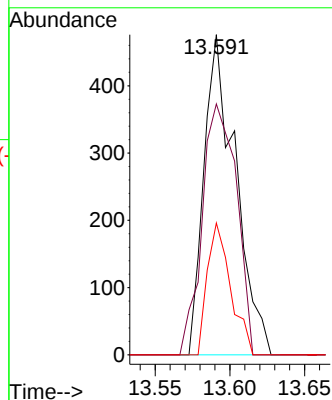
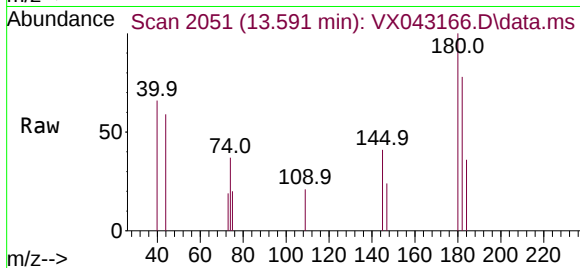
Tgt Ion:180 Resp: 698

Ion Ratio Lower Upper

180 100

182 85.2 46.7 140.0

145 30.4 17.0 50.9



#94

Hexachlorobutadiene

Concen: 0.319 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX043166.D

Acq: 26 Sep 2024 10:30

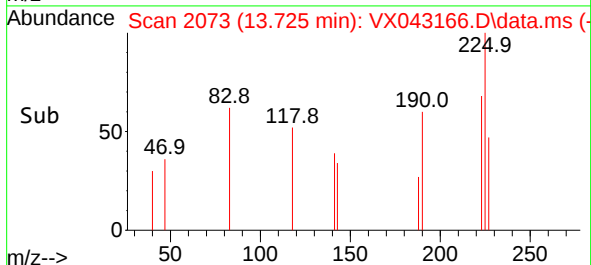
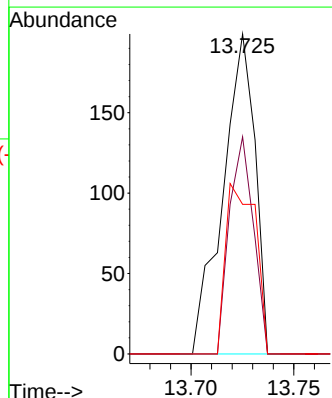
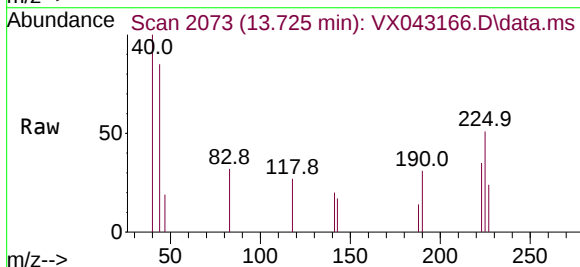
Tgt Ion:225 Resp: 217

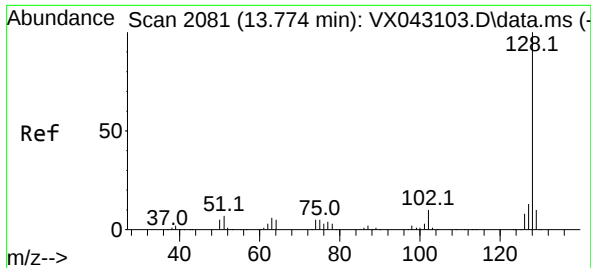
Ion Ratio Lower Upper

225 100

223 50.7 31.8 95.4

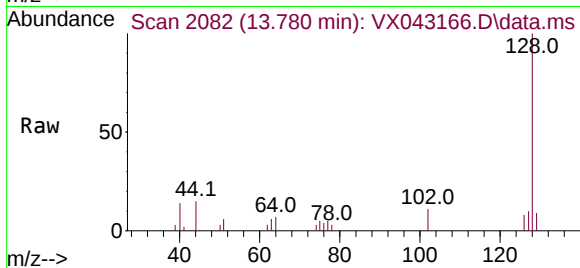
227 49.3 31.9 95.7



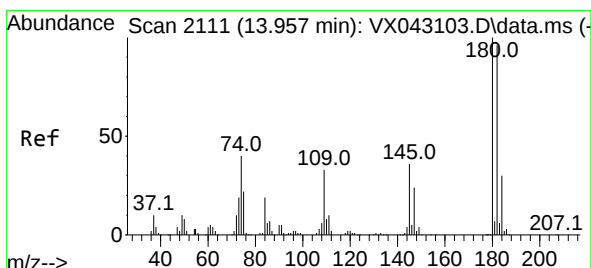
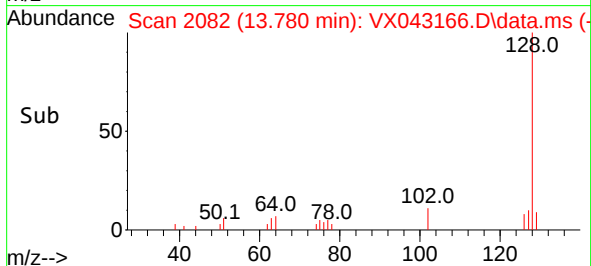
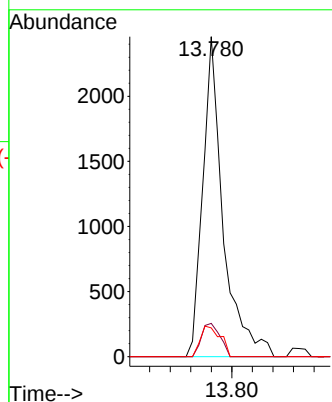


#95
Naphthalene
Concen: 0.601 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3387
Ion Ratio Lower Upper
128 100
127 9.5 10.2 15.4#
129 9.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.361 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.012 min
Lab File: VX043166.D
Acq: 26 Sep 2024 10:30

Tgt Ion:180 Resp: 581
Ion Ratio Lower Upper
180 100
182 101.4 47.8 143.4
145 29.9 17.7 53.1

