

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045592.D
 Acq On : 04 Apr 2025 12:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 04 23:11:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

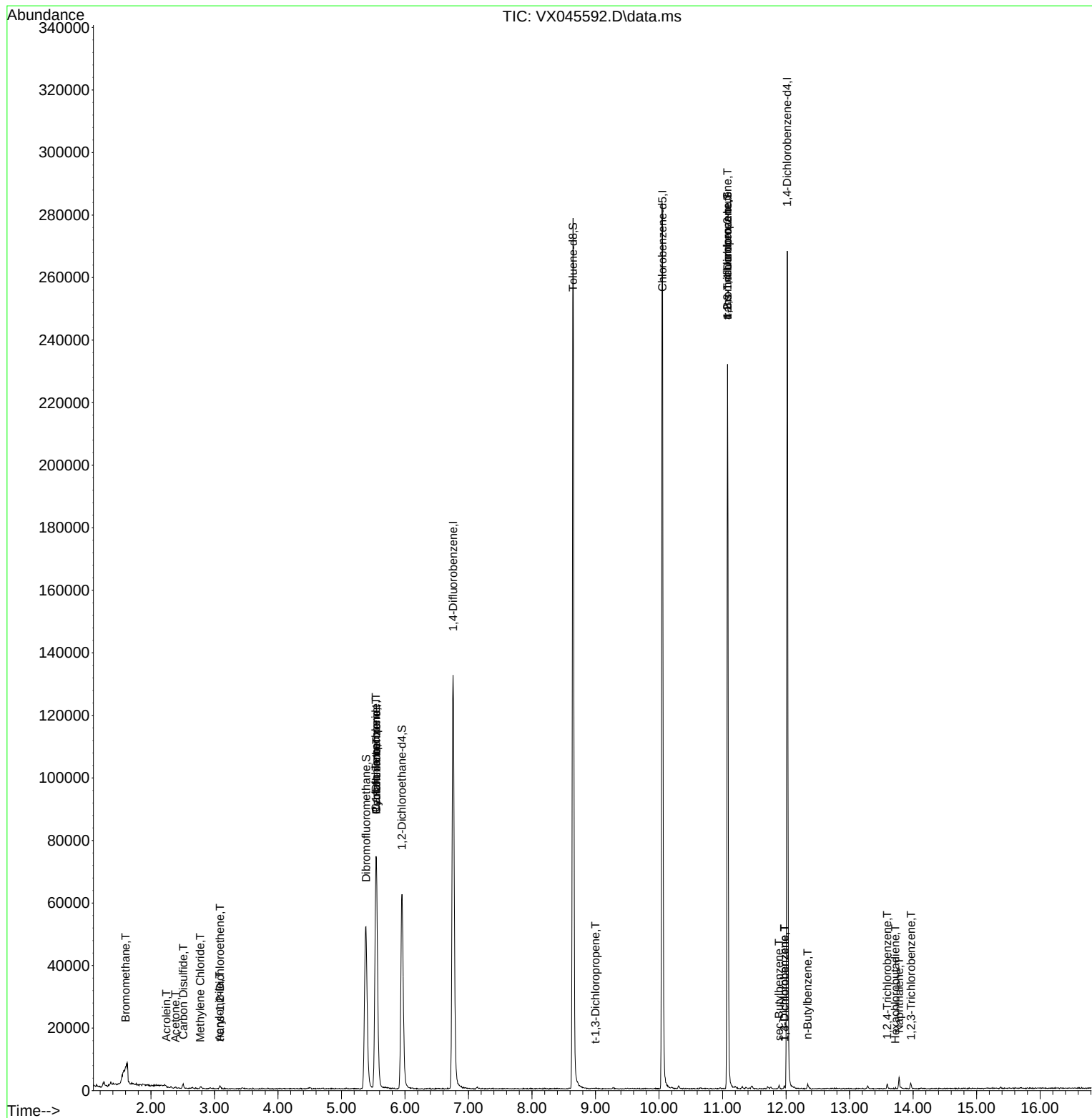
Internal Standards						
1) Pentafluorobenzene	5.550	168	63164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63434	54.916	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.840%			
35) Dibromofluoromethane	5.385	113	46014	51.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.680%			
50) Toluene-d8	8.647	98	159012	50.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.660%			
62) 4-Bromofluorobenzene	11.079	95	59337	52.075	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.160%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	233	0.553	ug/l	91
13) Acrolein	2.239	56	178	0.833	ug/l	86
15) Acrylonitrile	3.081	53	237	0.484	ug/l #	71
16) Acetone	2.386	43	479	1.010	ug/l #	47
17) Carbon Disulfide	2.508	76	1514	0.808	ug/l	98
20) Methylene Chloride	2.776	84	331	0.373	ug/l #	75
21) trans-1,2-Dichloroethene	3.087	96	240	0.310	ug/l #	58
31) Cyclohexane	5.550	56	2031	1.433	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	6419	5.305	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7559	5.780	ug/l #	17
53) t-1,3-Dichloropropene	9.000	75	74	2.341	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	35247	29.465	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35247	99.999	ug/l #	1
85) sec-Butylbenzene	11.890	105	848	0.215	ug/l	87
87) 1,3-Dichlorobenzene	11.976	146	486	0.294	ug/l	83
88) 1,4-Dichlorobenzene	11.976	146	486	0.290	ug/l	85
89) n-Butylbenzene	12.341	91	621	0.220	ug/l #	89
93) 1,2,4-Trichlorobenzene	13.591	180	519	0.568	ug/l	94
94) Hexachlorobutadiene	13.719	225	83	0.211	ug/l #	49
95) Naphthalene	13.780	128	2968	0.872	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	515	0.538	ug/l #	85

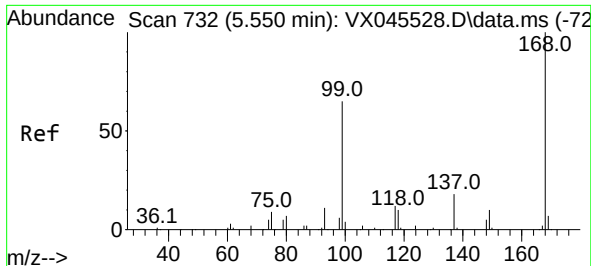
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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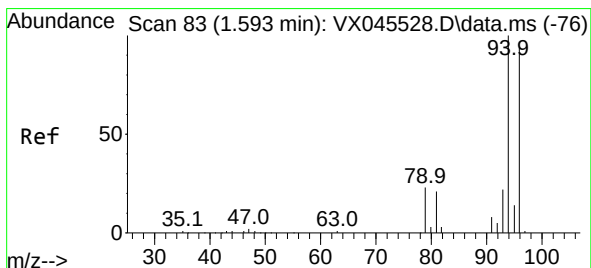
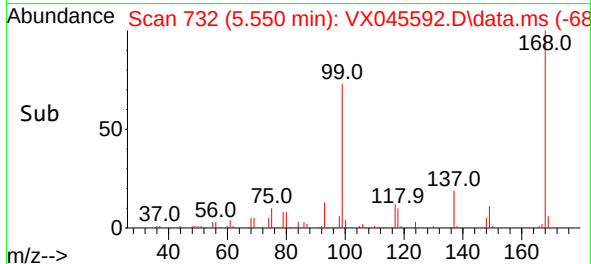
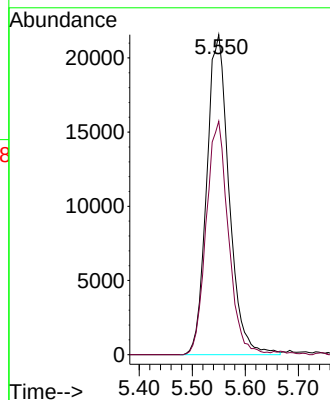
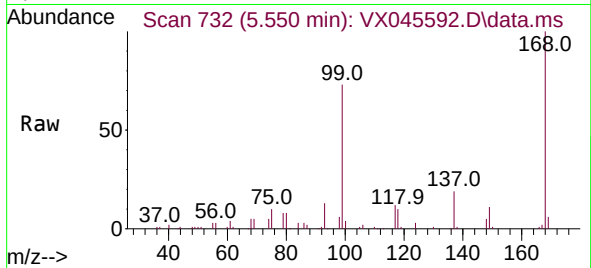




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

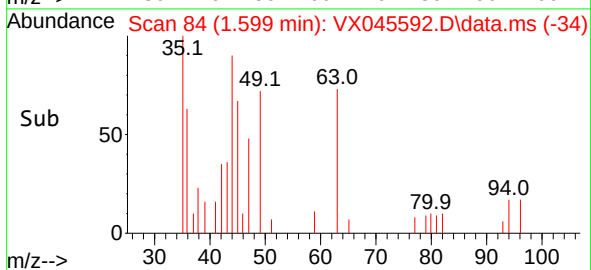
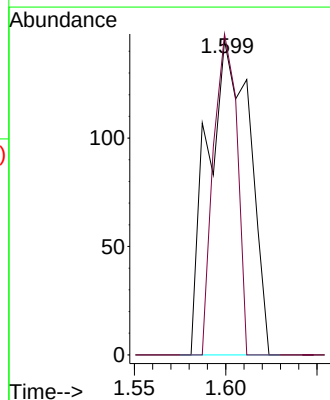
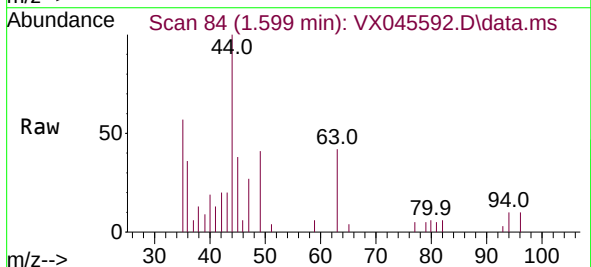
Instrument :
MSVOA_X
ClientSampleId :
IBLK

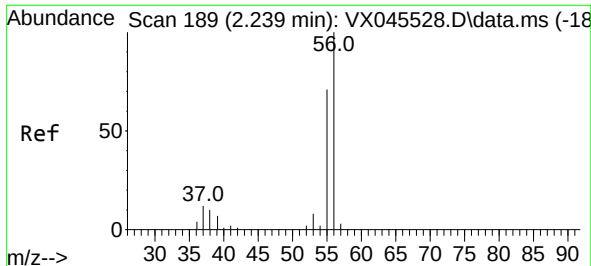
Tgt Ion:168 Resp: 63164
Ion Ratio Lower Upper
168 100
99 72.9 52.3 78.5



#5
Bromomethane
Concen: 0.553 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

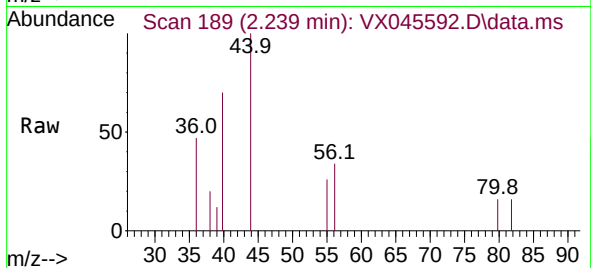
Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 102.1 74.8 112.2



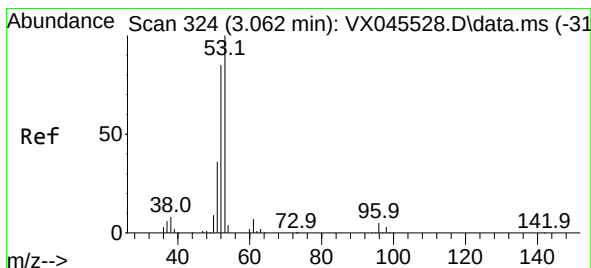
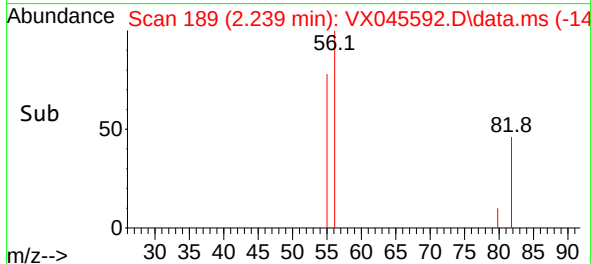
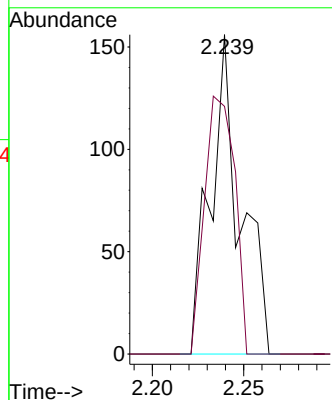


#13
Acrolein
Concen: 0.833 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :
IBLK

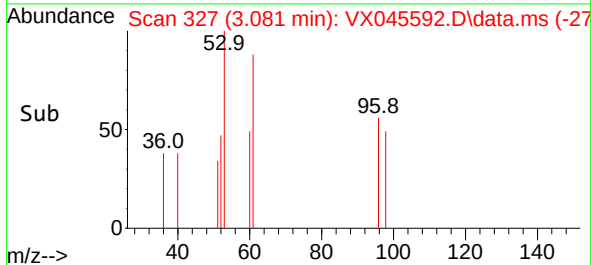
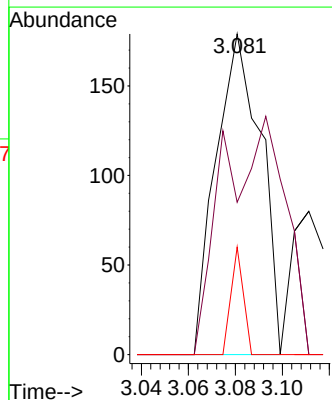
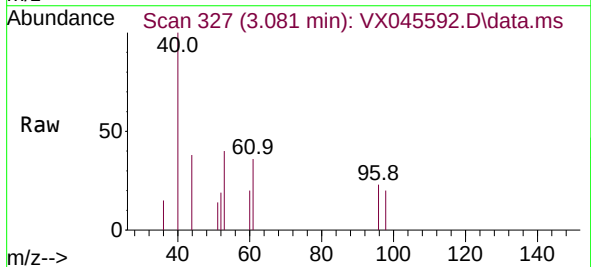


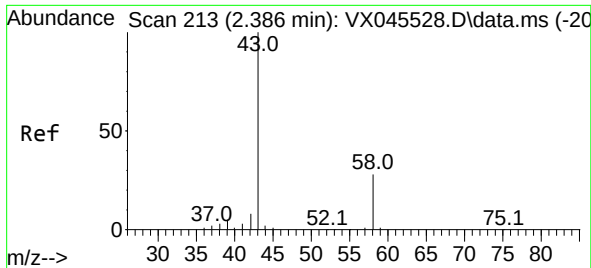
Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 81.5 56.2 84.2



#15
Acrylonitrile
Concen: 0.484 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion: 53 Resp: 237
Ion Ratio Lower Upper
53 100
52 103.0 67.4 101.2#
51 9.3 29.9 44.9#

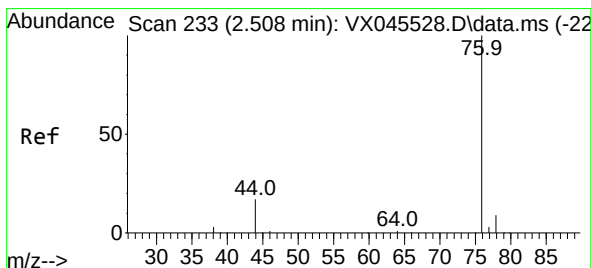
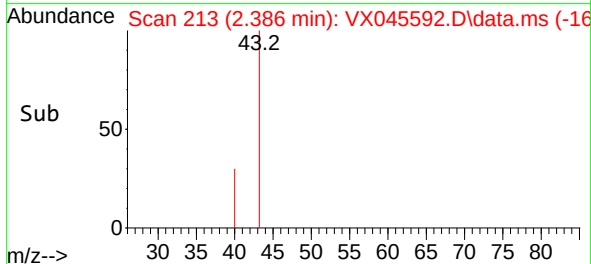
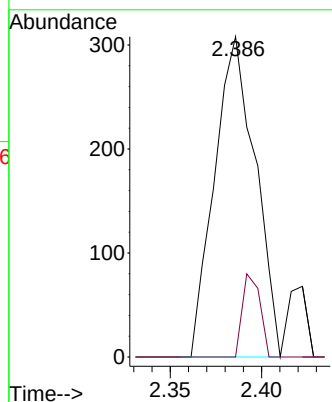
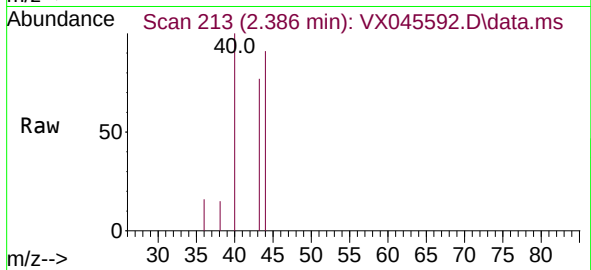




#16
Acetone
Concen: 1.010 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

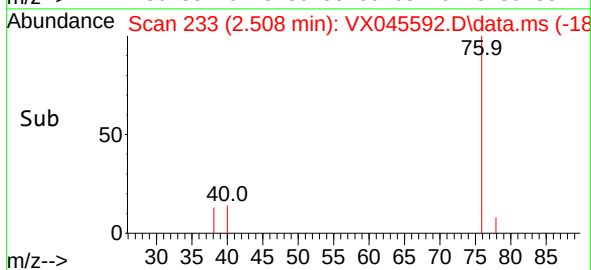
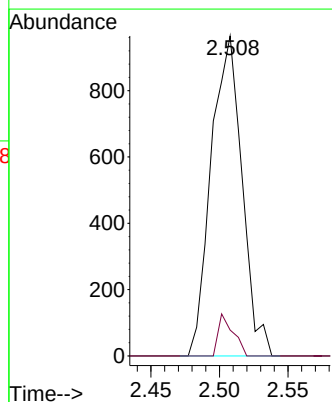
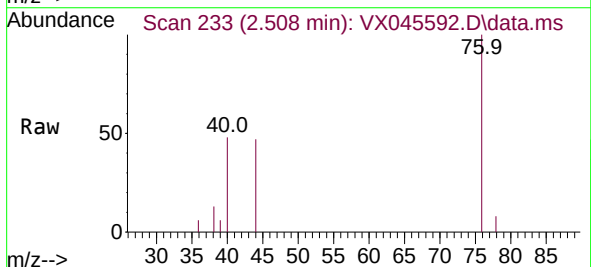
Instrument :
MSVOA_X
ClientSampleId :
IBLK

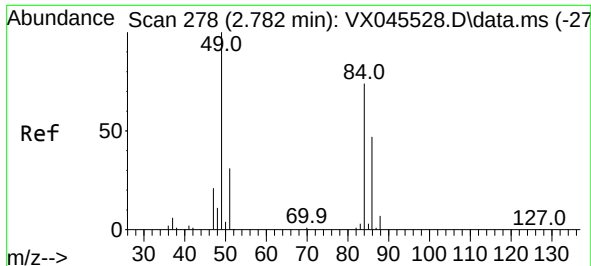
Tgt Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#17
Carbon Disulfide
Concen: 0.808 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion: 76 Resp: 1514
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.6





#20

Methylene Chloride

Concen: 0.373 ug/l

RT: 2.776 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 331

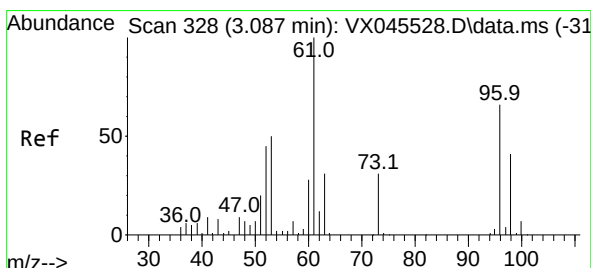
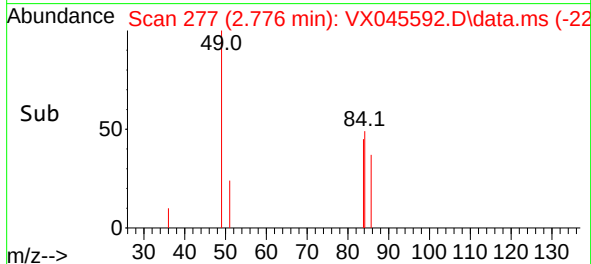
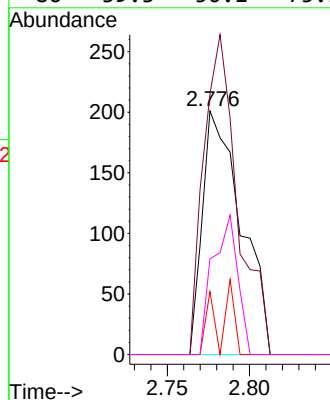
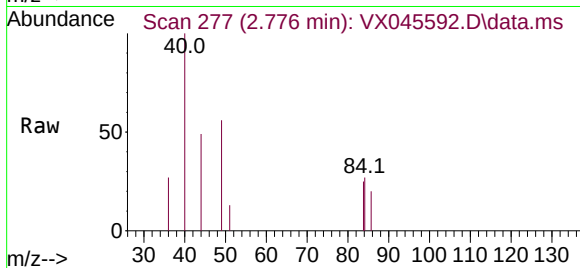
Ion Ratio Lower Upper

84 100

49 107.0 107.5 161.3#

51 25.9 33.0 49.6#

86 39.3 50.1 75.1#



#21

trans-1,2-Dichloroethene

Concen: 0.310 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.000 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

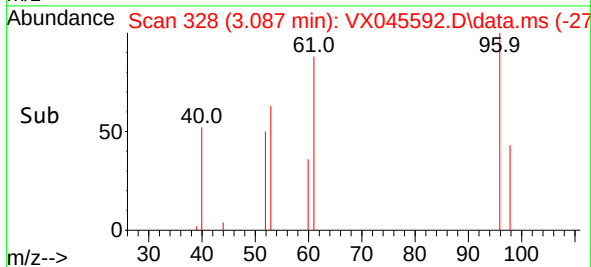
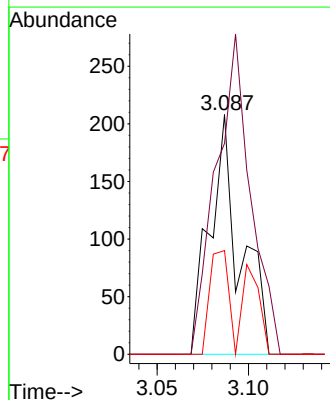
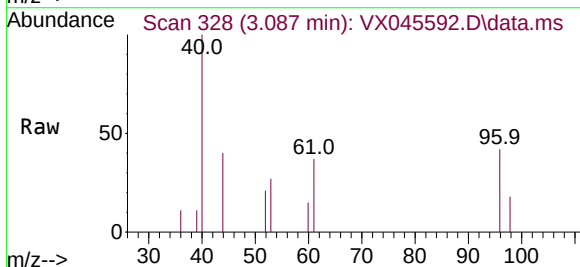
Tgt Ion: 96 Resp: 240

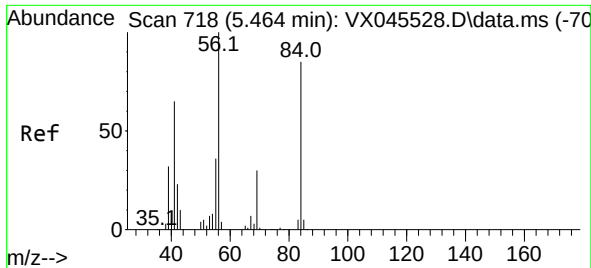
Ion Ratio Lower Upper

96 100

61 88.0 121.0 181.6#

98 43.3 49.7 74.5#

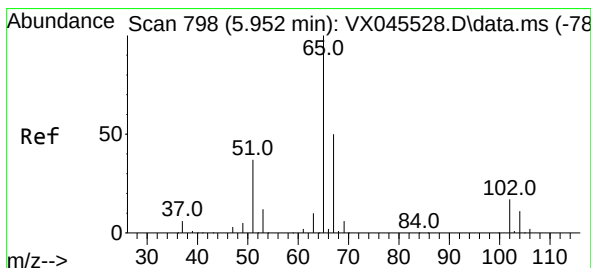
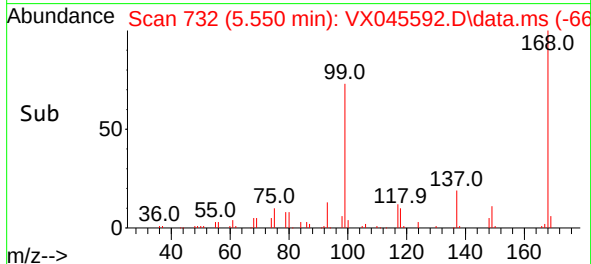
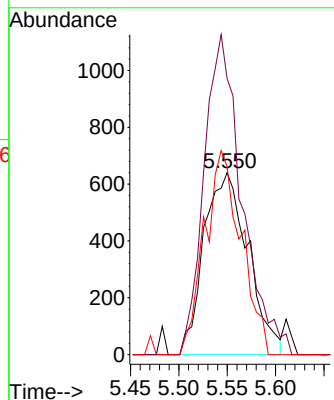
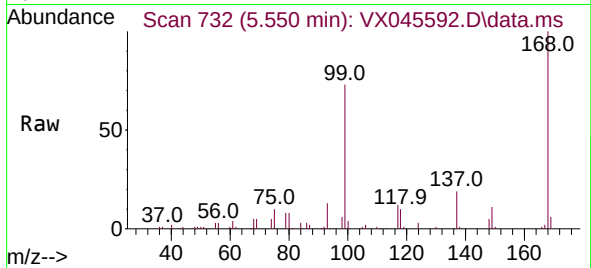




#31
Cyclohexane
Concen: 1.433 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

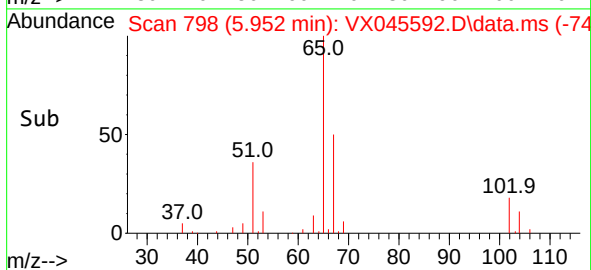
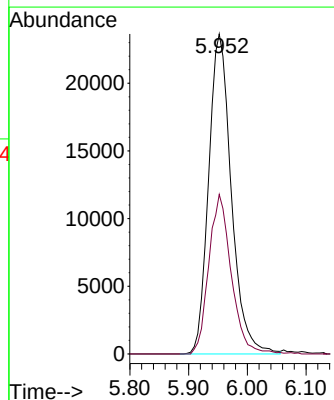
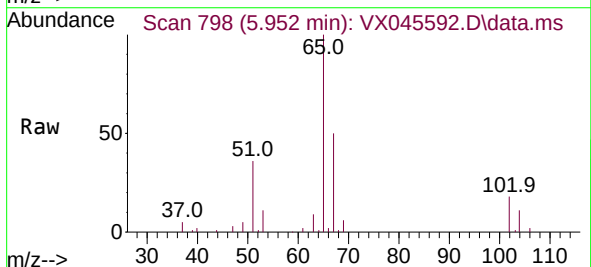
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IBLK

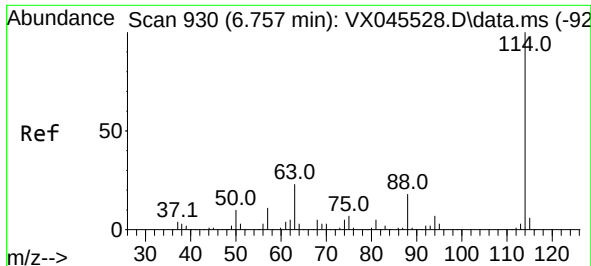
Tgt Ion: 56 Resp: 2031
Ion Ratio Lower Upper
56 100
69 151.9 23.6 35.4#
84 103.4 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 54.916 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion: 65 Resp: 63434
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

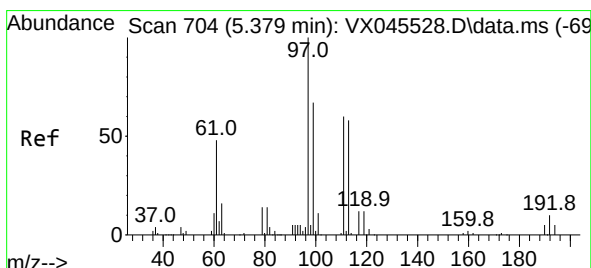
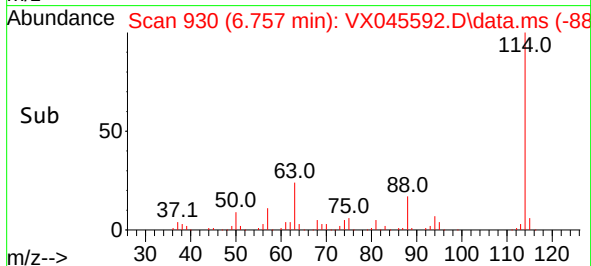
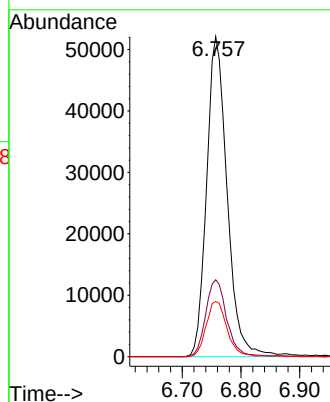
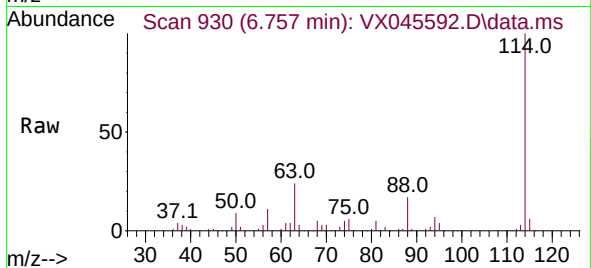




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

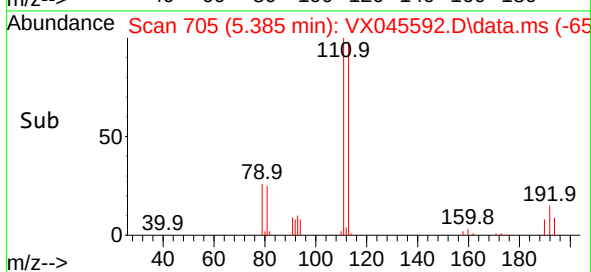
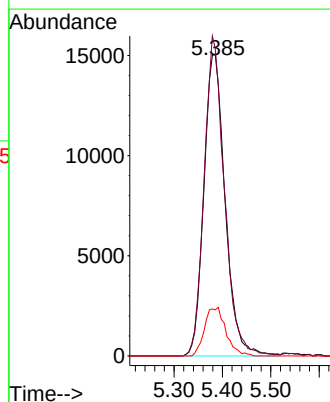
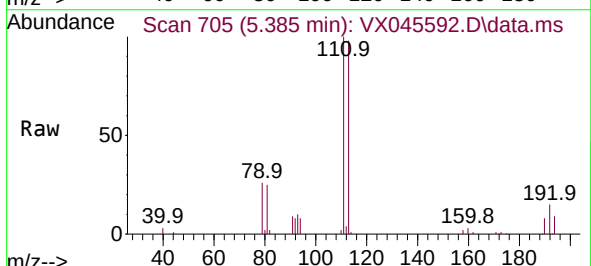
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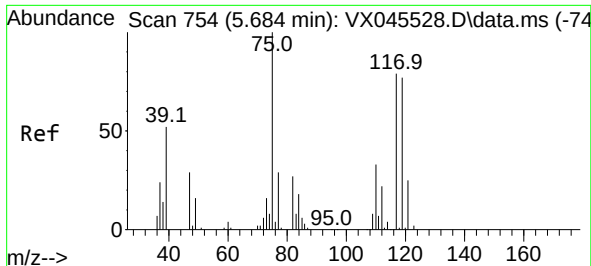
Tgt Ion:114 Resp: 126319
Ion Ratio Lower Upper
114 100
63 24.1 0.0 46.8
88 17.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.341 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion:113 Resp: 46014
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.6
192 16.1 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.305 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

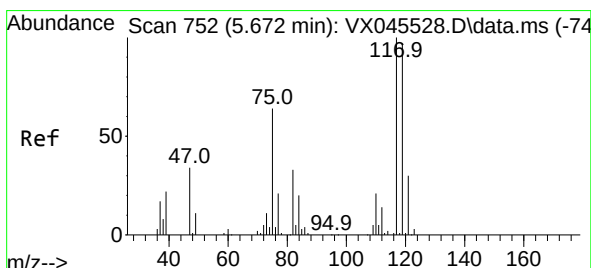
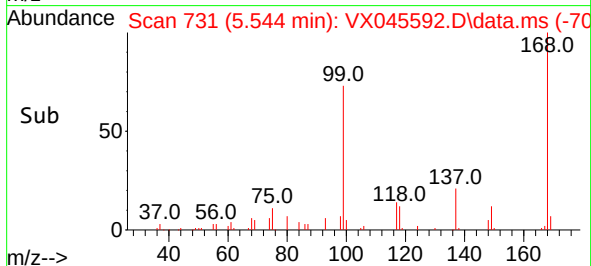
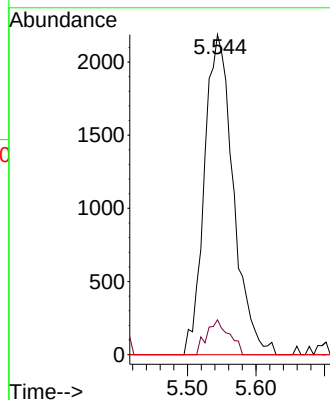
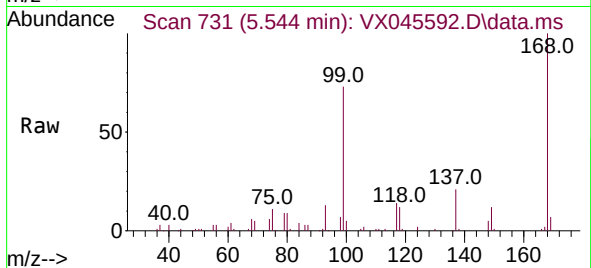
Tgt Ion: 75 Resp: 6419

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.780 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

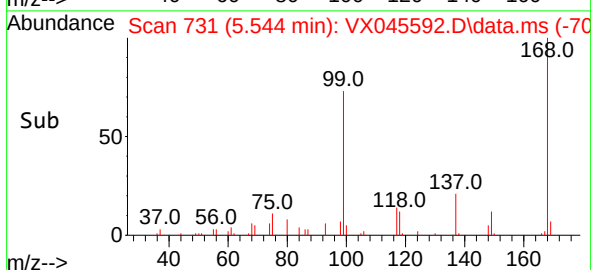
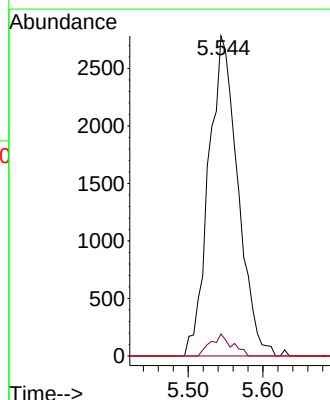
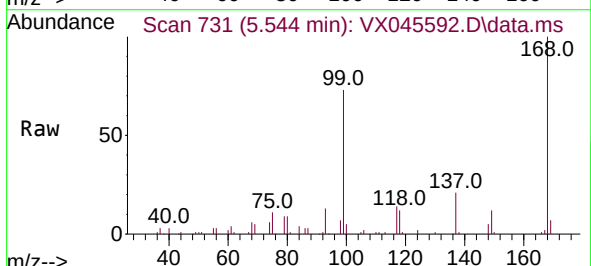
Tgt Ion: 117 Resp: 7559

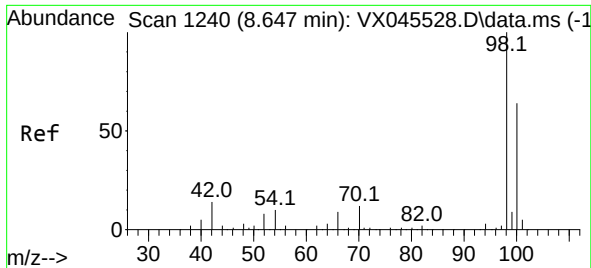
Ion Ratio Lower Upper

117 100

119 6.9 76.9 115.3#

121 0.0 24.2 36.2#

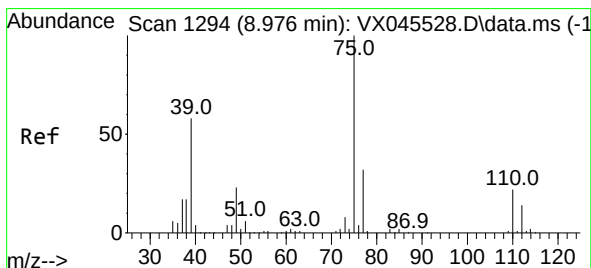
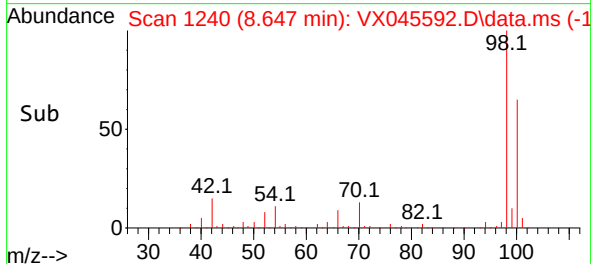
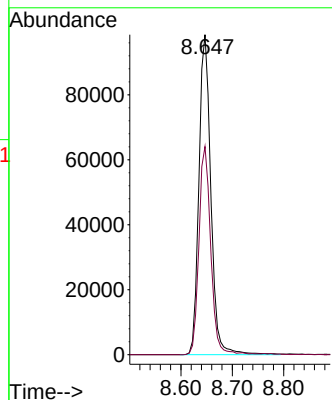
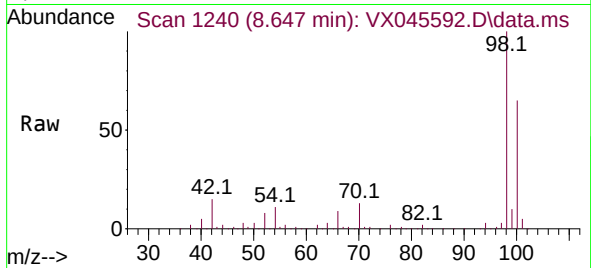




#50
Toluene-d8
Concen: 50.832 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

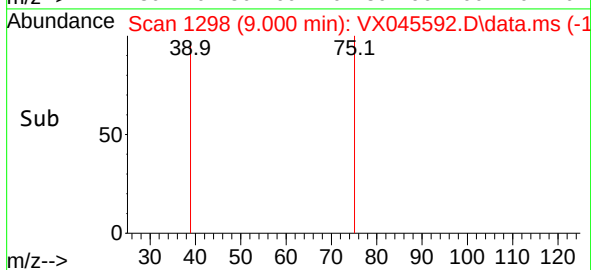
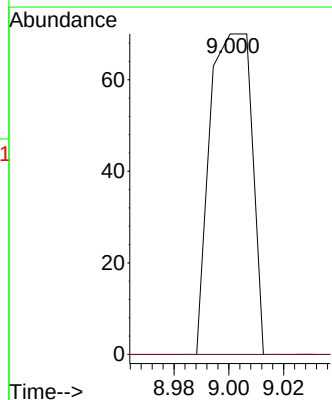
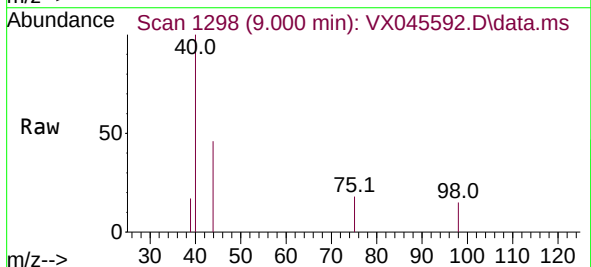
Instrument :
MSVOA_X
ClientSampleId :
IBLK

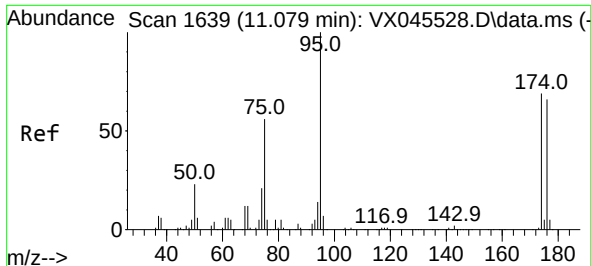
Tgt Ion: 98 Resp: 159012
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#53
t-1,3-Dichloropropene
Concen: 2.341 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.024 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion: 75 Resp: 74
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

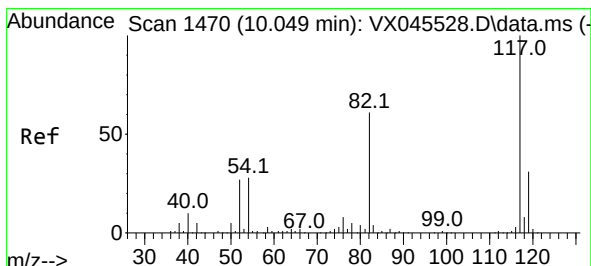
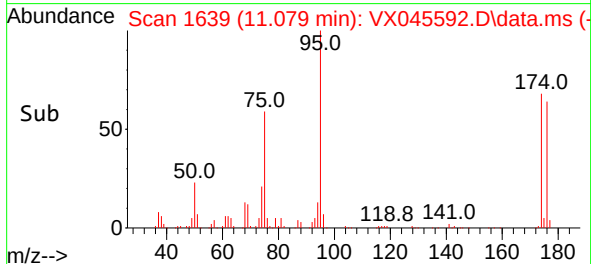
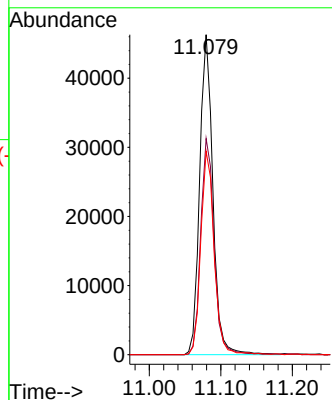
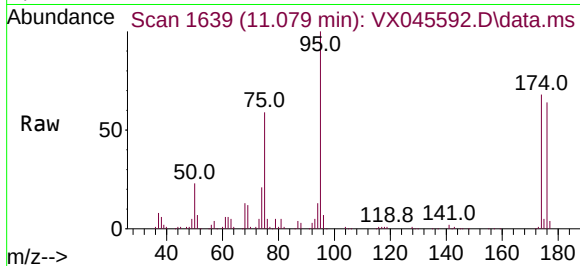




#62
4-Bromofluorobenzene
Concen: 52.075 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

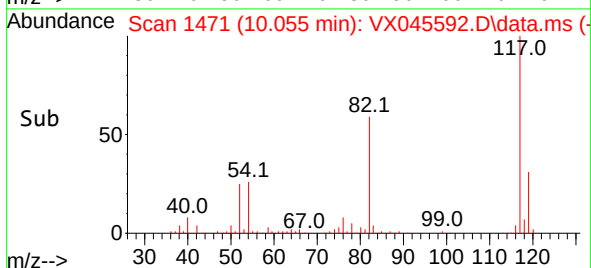
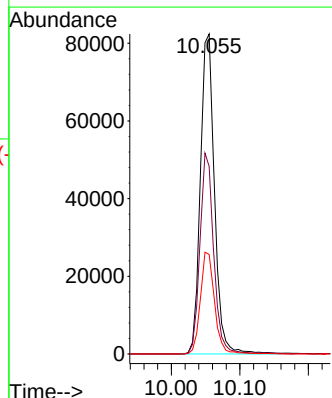
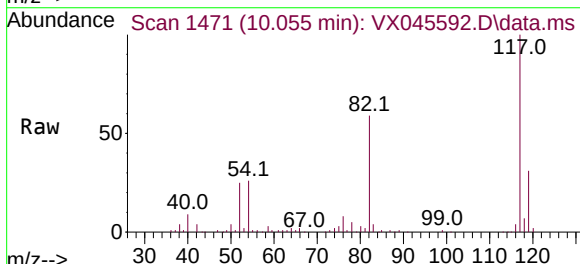
Instrument :
MSVOA_X
ClientSampleId :
IBLK

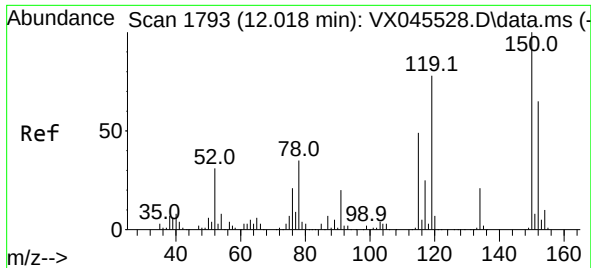
Tgt Ion: 95 Resp: 59337
Ion Ratio Lower Upper
95 100
174 68.6 0.0 135.8
176 64.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion: 117 Resp: 118368
Ion Ratio Lower Upper
117 100
82 58.6 49.2 73.8
119 31.1 25.1 37.7

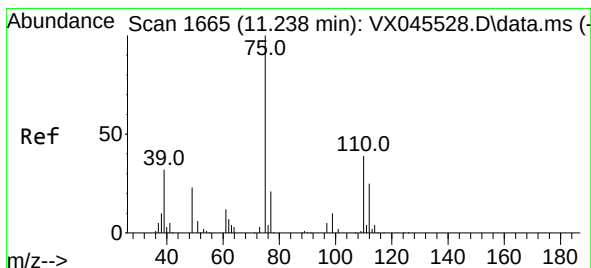
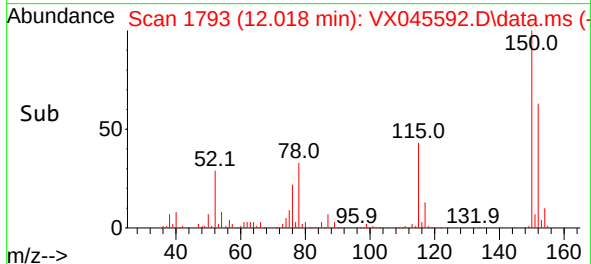
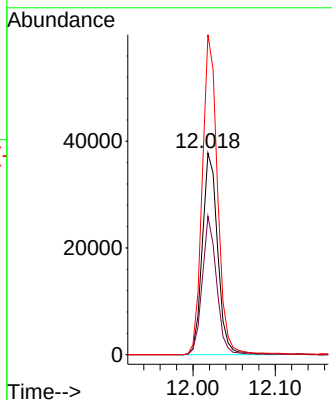
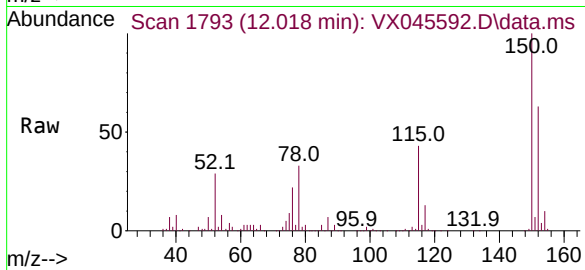




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

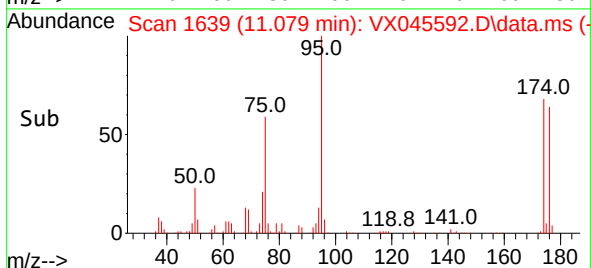
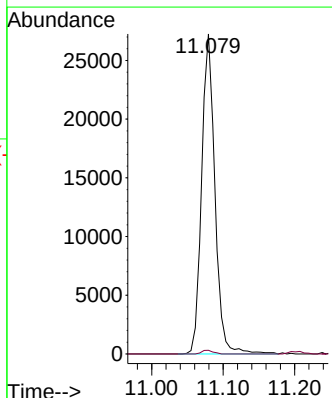
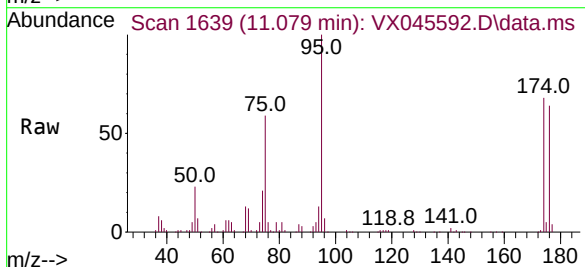
Instrument :
MSVOA_X
ClientSampleId :
IBLK

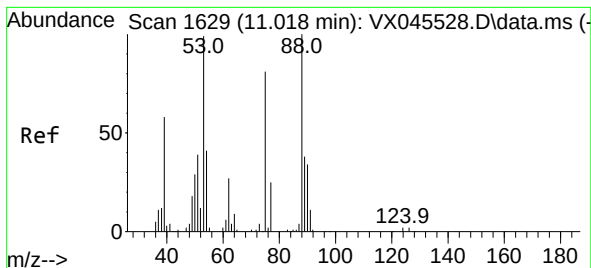
Tgt Ion:152 Resp: 49042
Ion Ratio Lower Upper
152 100
115 64.1 46.9 140.7
150 157.7 0.0 349.4



#76
1,2,3-Trichloropropane
Concen: 29.465 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion: 75 Resp: 35247
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#

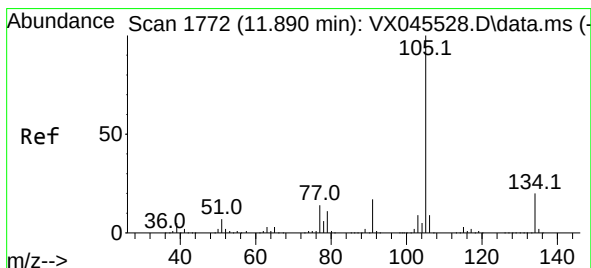
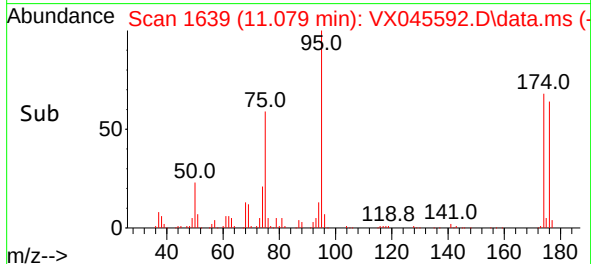
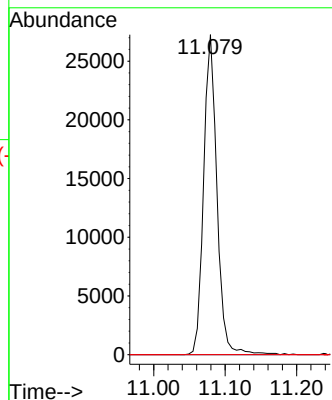
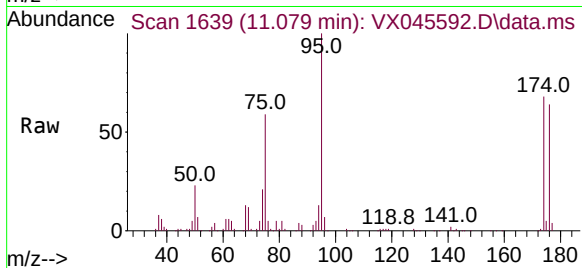




#81
trans-1,4-Dichloro-2-butene
Concen: 99.999 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

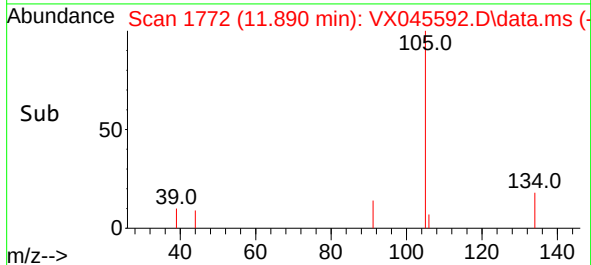
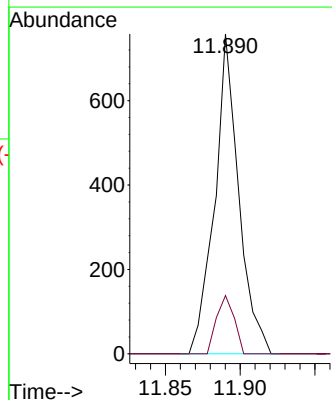
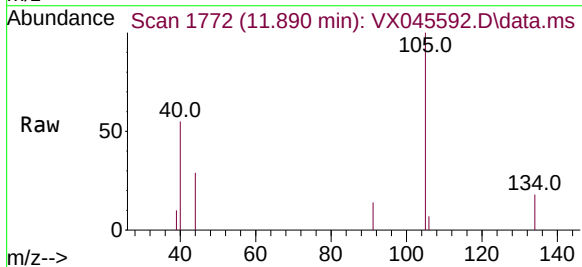
Instrument :
MSVOA_X
ClientSampleId :
IBLK

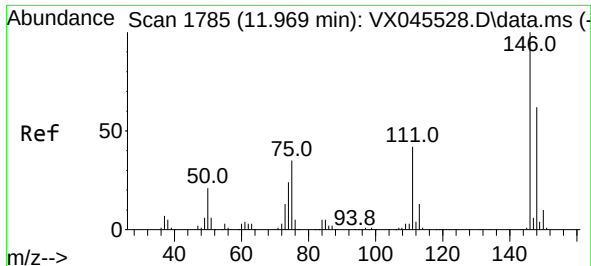
Tgt Ion: 75 Resp: 35247
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#85
sec-Butylbenzene
Concen: 0.215 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045592.D
Acq: 04 Apr 2025 12:27

Tgt Ion: 105 Resp: 848
Ion Ratio Lower Upper
105 100
134 13.3 9.6 28.6





#87

1,3-Dichlorobenzene

Concen: 0.294 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

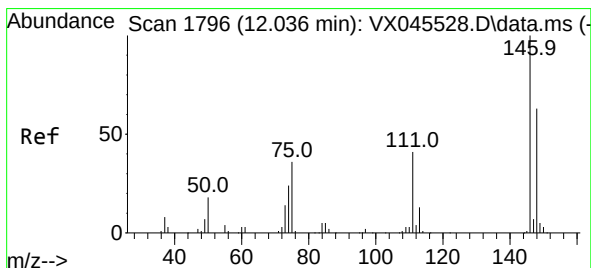
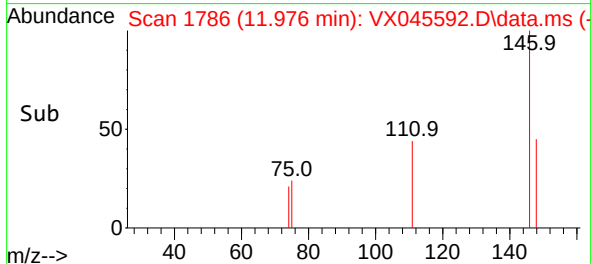
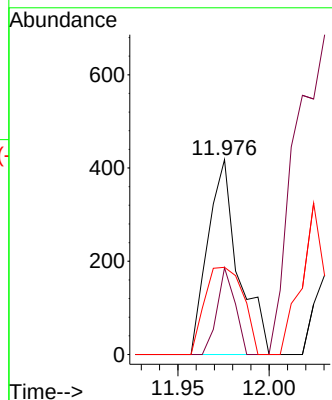
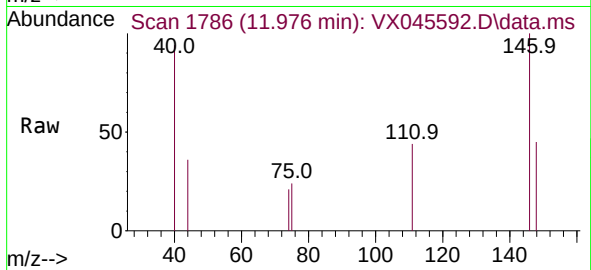
Tgt Ion:146 Resp: 486

Ion Ratio Lower Upper

146 100

111 26.1 22.2 66.6

148 56.4 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.290 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

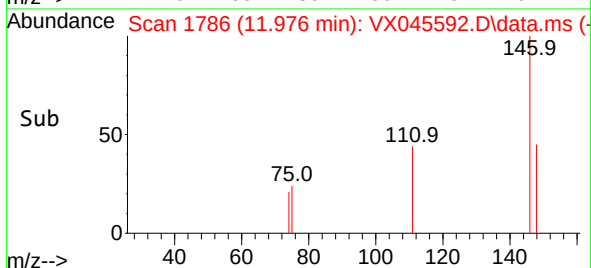
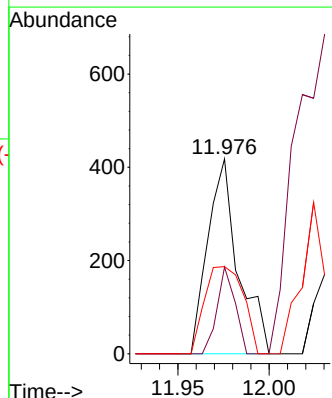
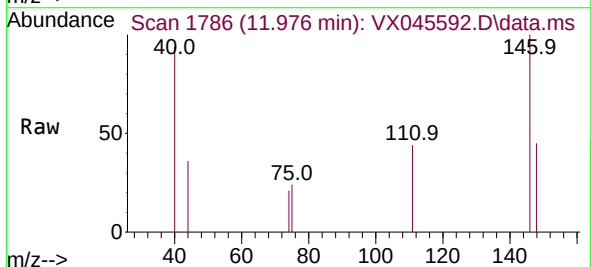
Tgt Ion:146 Resp: 486

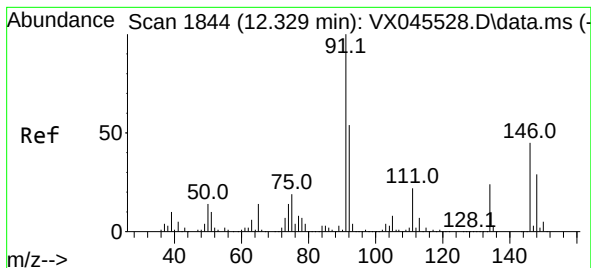
Ion Ratio Lower Upper

146 100

111 26.1 20.9 62.8

148 56.4 31.5 94.5





#89

n-Butylbenzene

Concen: 0.220 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.012 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

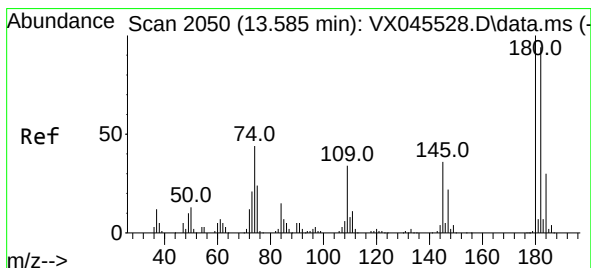
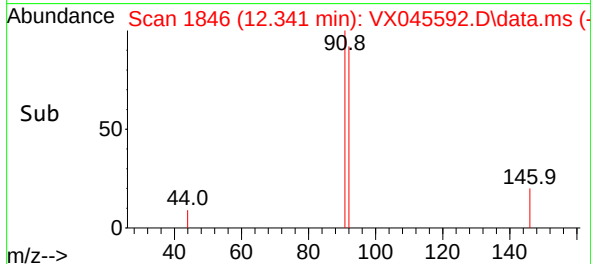
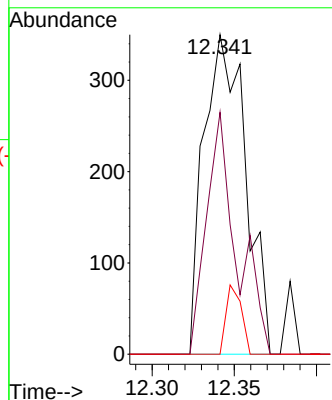
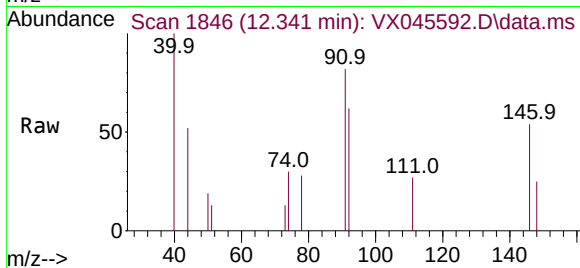
Tgt Ion: 91 Resp: 621

Ion Ratio Lower Upper

91 100

92 54.6 26.9 80.6

134 7.9 11.9 35.7#



#93

1,2,4-Trichlorobenzene

Concen: 0.568 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

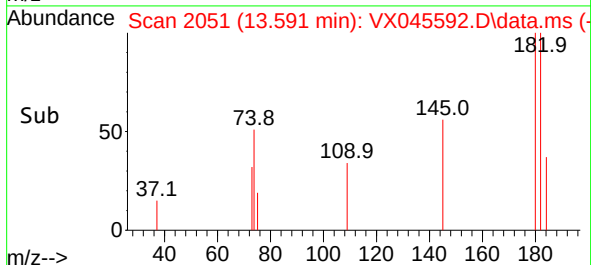
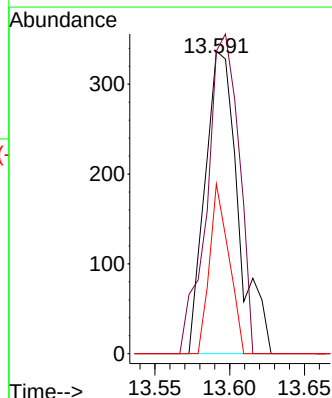
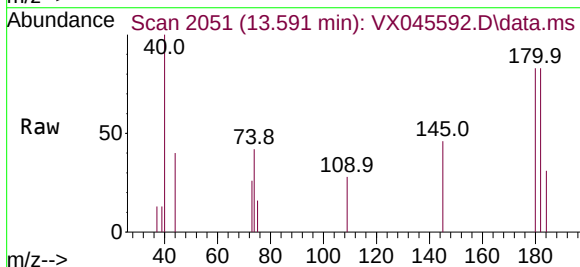
Tgt Ion: 180 Resp: 519

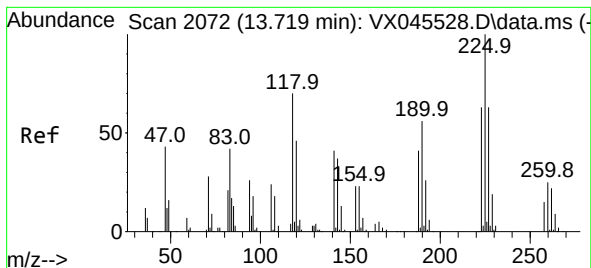
Ion Ratio Lower Upper

180 100

182 102.1 47.9 143.6

145 32.8 17.9 53.8





#94

Hexachlorobutadiene

Concen: 0.211 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. 0.000 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

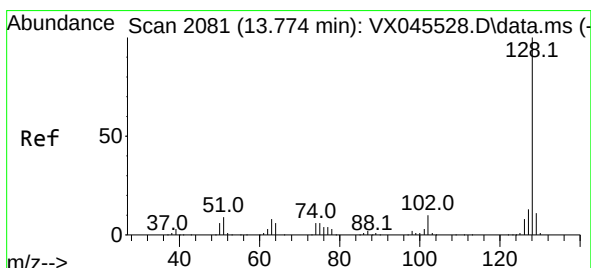
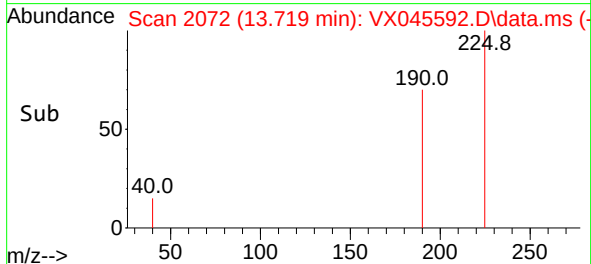
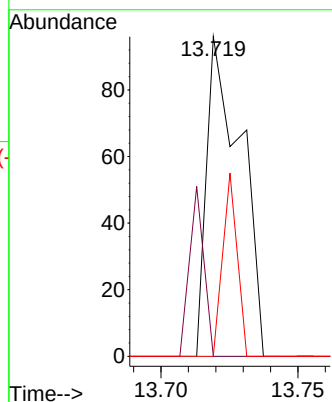
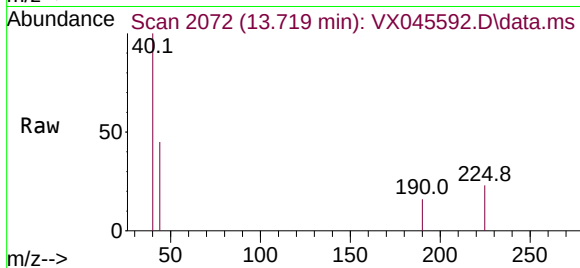
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:225	Resp:	83
Ion Ratio	Lower	Upper
225	100	
223	22.9	31.1 93.3#
227	24.1	32.2 96.6#



#95

Naphthalene

Concen: 0.872 ug/l

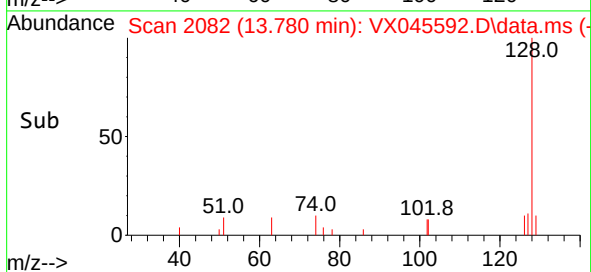
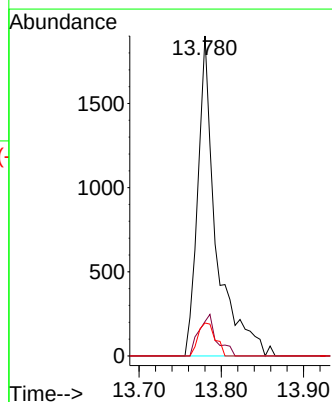
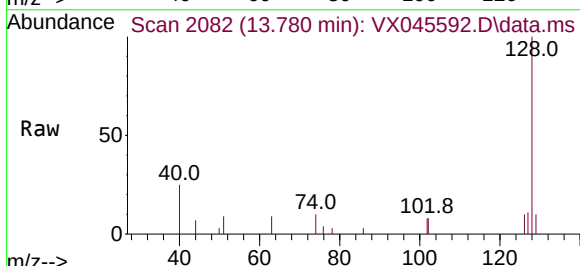
RT: 13.780 min Scan# 2082

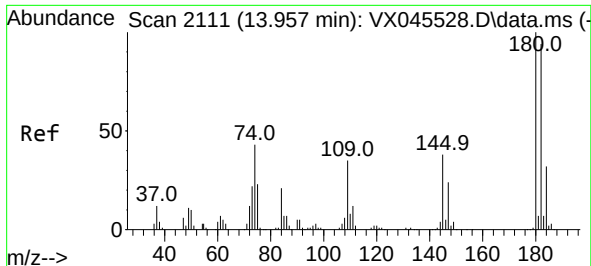
Delta R.T. 0.006 min

Lab File: VX045592.D

Acq: 04 Apr 2025 12:27

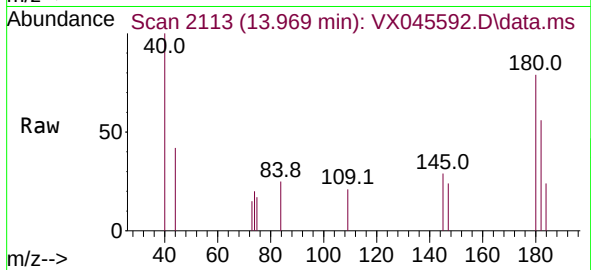
Tgt Ion:128	Resp:	2968
Ion Ratio	Lower	Upper
128	100	
127	12.3	10.3 15.5
129	9.6	8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.538 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX045592.D
 Acq: 04 Apr 2025 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:180 Resp: 515
 Ion Ratio Lower Upper
 180 100
 182 86.2 47.3 141.8
 145 54.8 18.2 54.6#

