

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043125.D
 Acq On : 24 Sep 2024 16:12
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Sep 25 01:31:43 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)

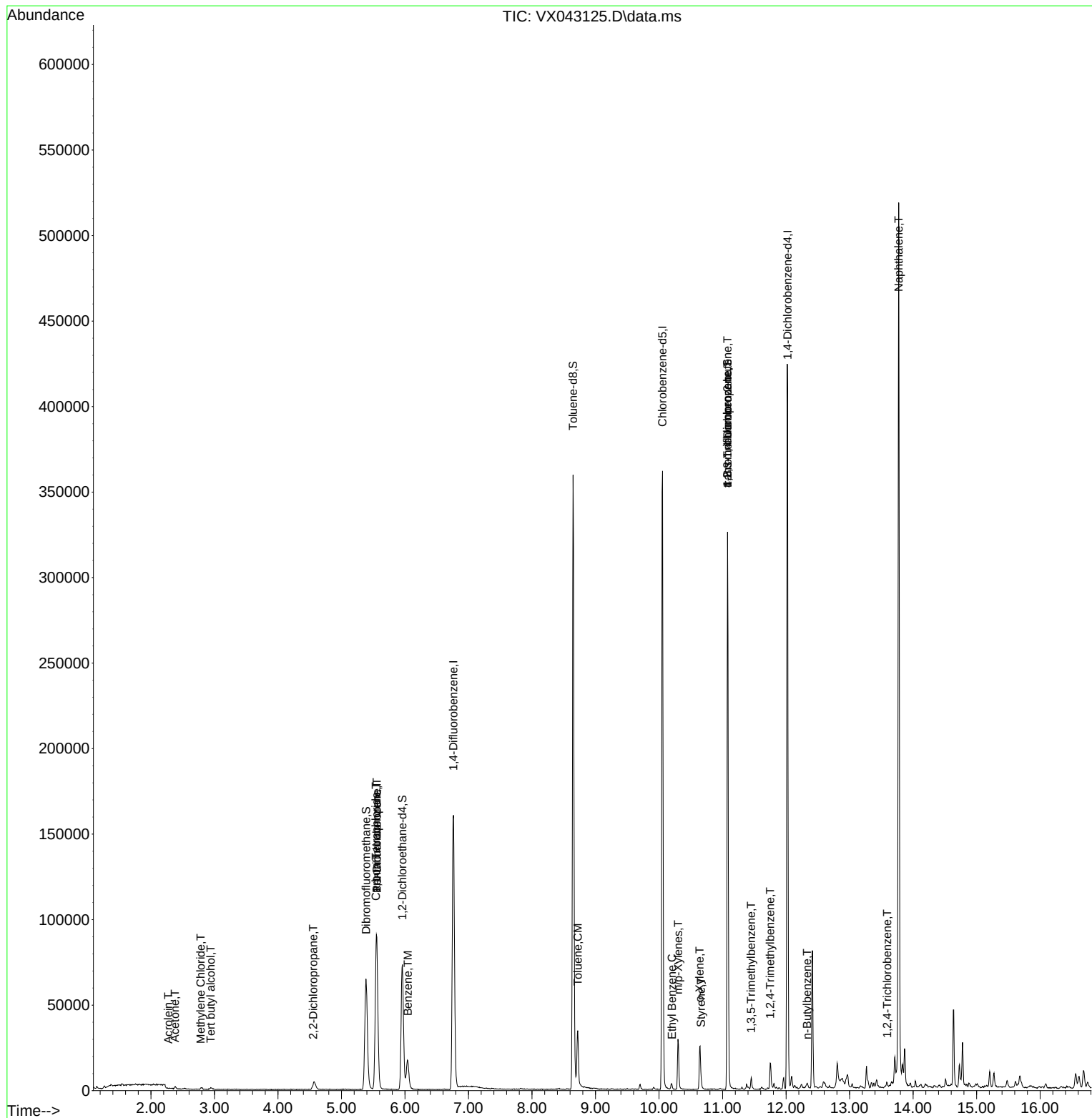
Internal Standards						
1) Pentafluorobenzene	5.556	168	83321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	166306	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74135	53.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.140%			
35) Dibromofluoromethane	5.385	113	56610	48.254	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.500%			
50) Toluene-d8	8.647	98	205588	51.797	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.600%			
62) 4-Bromofluorobenzene	11.079	95	85787	53.670	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.340%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	319	1.032	ug/l #	71
13) Acrolein	2.270	56	19	0.467	ug/l #	1
16) Acetone	2.380	43	1557	2.406	ug/l	95
20) Methylene Chloride	2.782	84	568	0.552	ug/l #	58
26) 2,2-Dichloropropane	4.556	77	416	0.232	ug/l #	54
36) 1,1-Dichloropropene	5.556	75	6852	4.753	ug/l #	50
38) Carbon Tetrachloride	5.544	117	9287	5.001	ug/l #	16
40) Benzene	6.043	78	20831	4.897	ug/l	96
52) Toluene	8.720	92	12118	4.424	ug/l	99
67) Ethyl Benzene	10.201	91	2329	0.389	ug/l	91
68) m/p-Xylenes	10.299	106	7116	3.197	ug/l	97
69) o-Xylene	10.640	106	5357	2.400	ug/l	99
70) Styrene	10.659	104	3046	0.818	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	46966	25.942	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	2910	0.551	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	46966	61.810	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	7605	1.447	ug/l	87
89) n-Butylbenzene	12.329	91	1046	0.216	ug/l #	85
93) 1,2,4-Trichlorobenzene	13.591	180	395	0.231	ug/l	92
95) Naphthalene	13.774	128	333690	56.249	ug/l	100

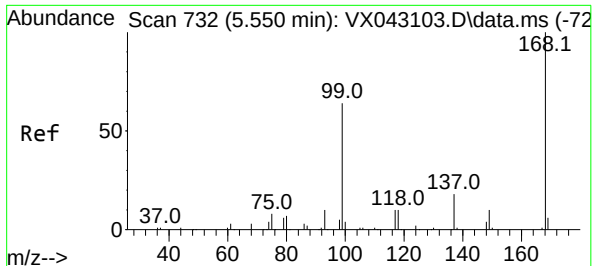
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
IBLK

Quant Time: Sep 25 01:31:43 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

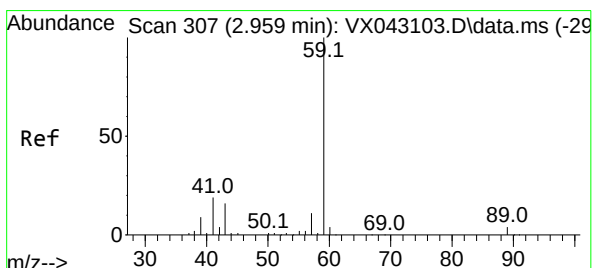
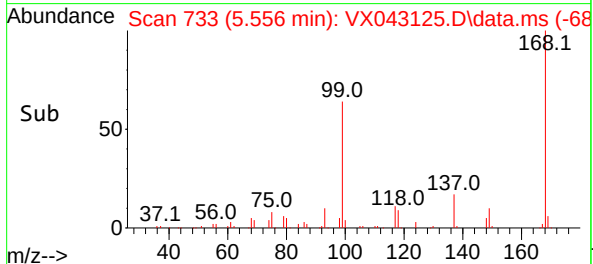
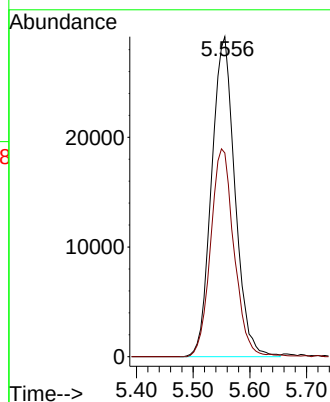
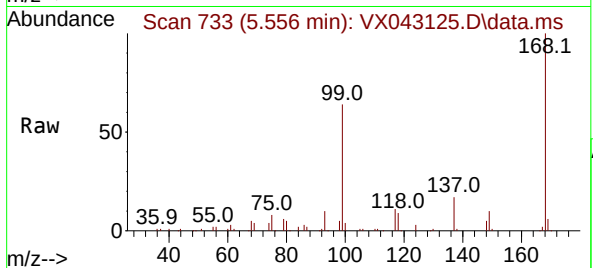




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

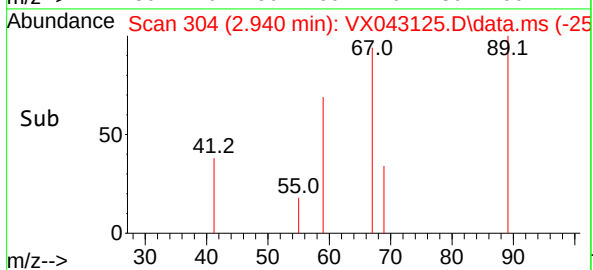
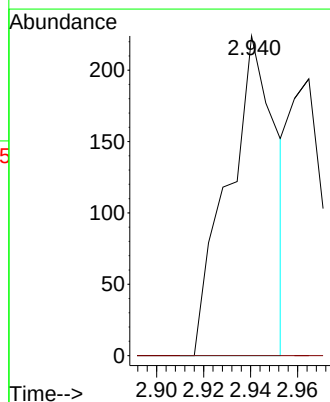
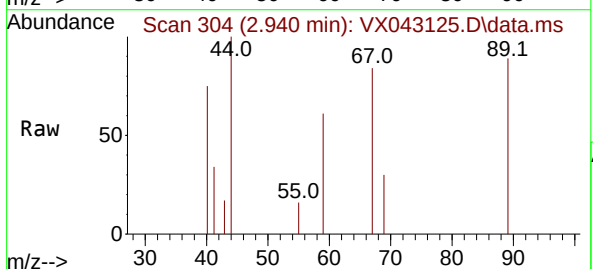
Instrument :
MSVOA_X
ClientSampleId :
IBLK

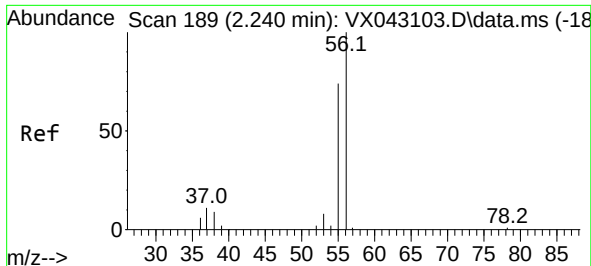
Tgt Ion:168 Resp: 83321
Ion Ratio Lower Upper
168 100
99 63.6 50.8 76.2



#11
Tert butyl alcohol
Concen: 1.032 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

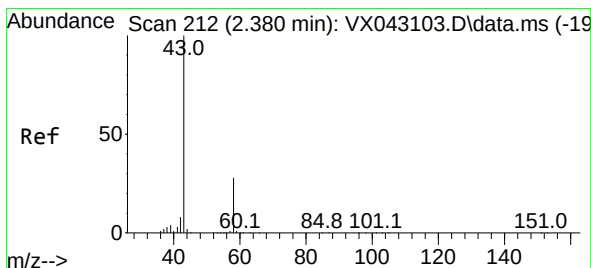
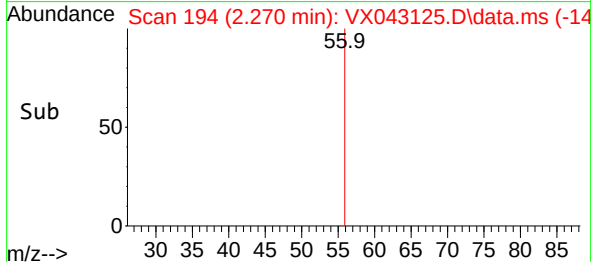
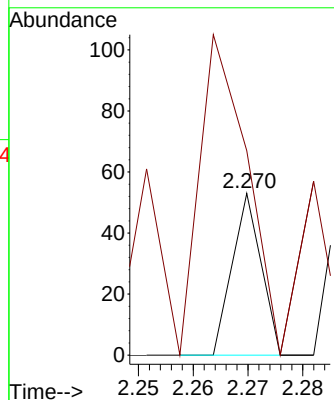
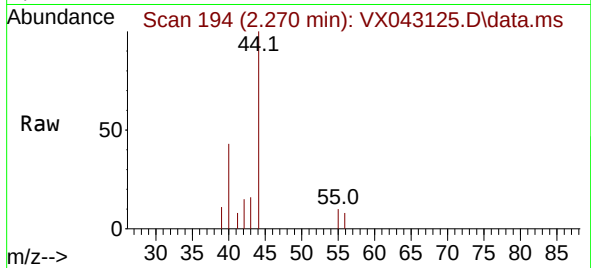




#13
Acrolein
Concen: 0.467 ug/l
RT: 2.270 min Scan# 19
Delta R.T. 0.030 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

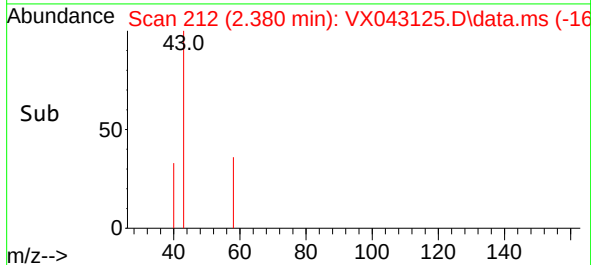
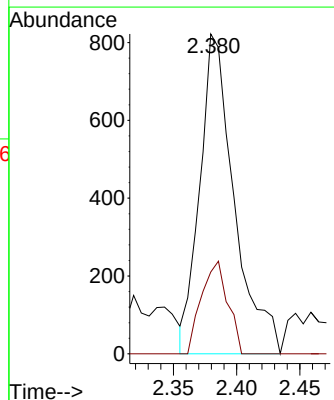
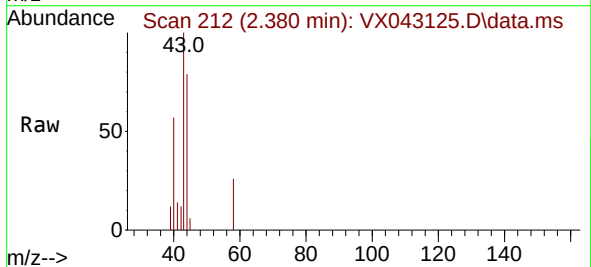
Instrument :
MSVOA_X
ClientSampleId :
IBLK

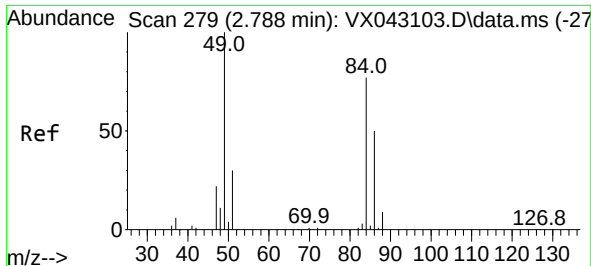
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 447.4 55.8 83.6#



#16
Acetone
Concen: 2.406 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
58 25.5 22.6 34.0

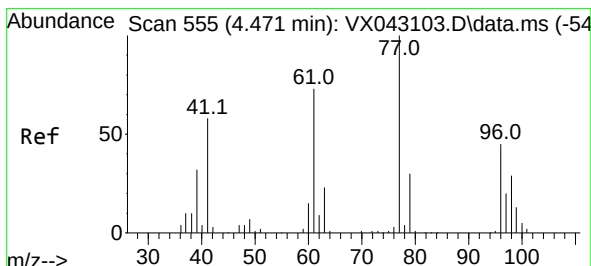
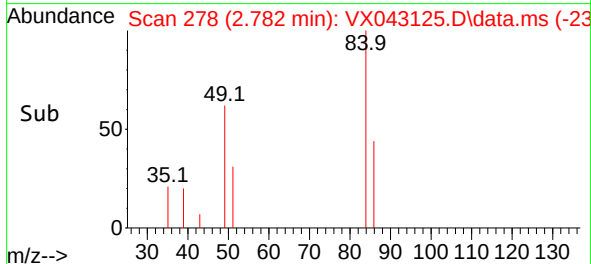
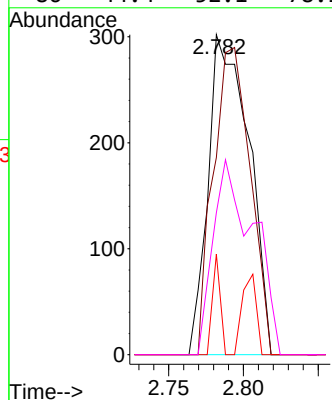
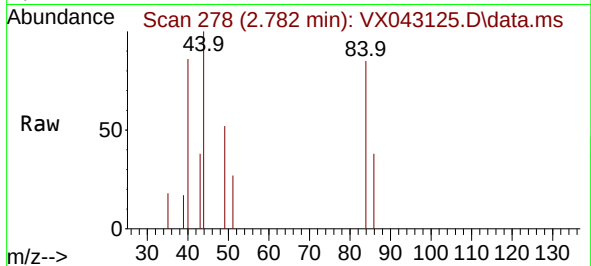




#20
Methylene Chloride
Concen: 0.552 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

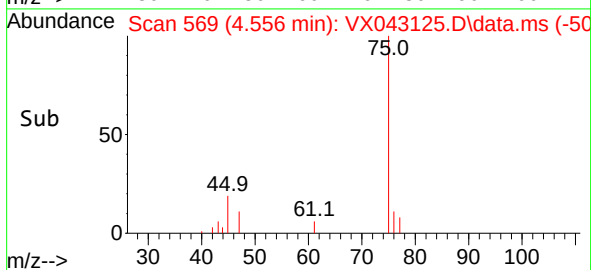
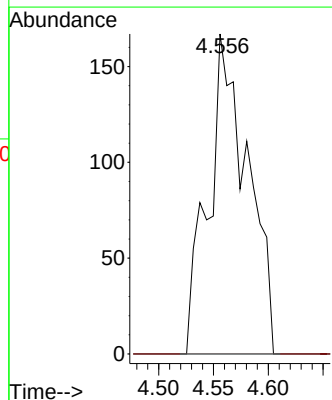
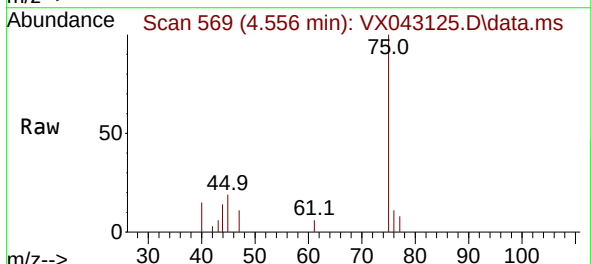
Instrument :
MSVOA_X
ClientSampleId :
IBLK

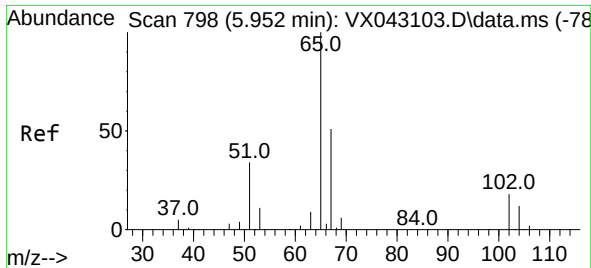
Tgt Ion:	84	Resp:	568
Ion	Ratio	Lower	Upper
84	100		
49	61.6	104.1	156.1#
51	31.5	31.1	46.7
86	44.4	52.1	78.1#



#26
2,2-Dichloropropane
Concen: 0.232 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.085 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Tgt Ion:	77	Resp:	416
Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.8	32.3#

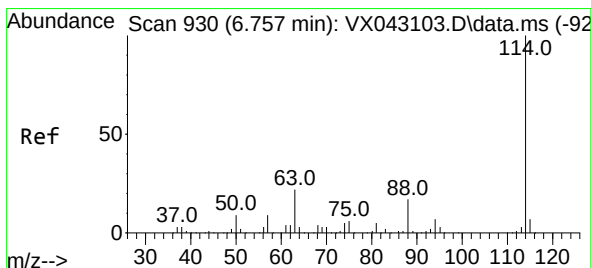
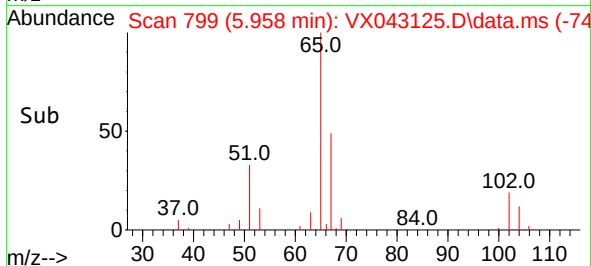
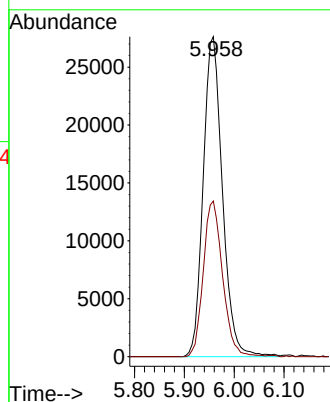
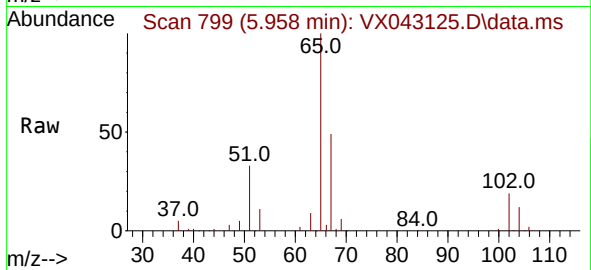




#33
 1,2-Dichloroethane-d4
 Concen: 53.566 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX043125.D
 Acq: 24 Sep 2024 16:12

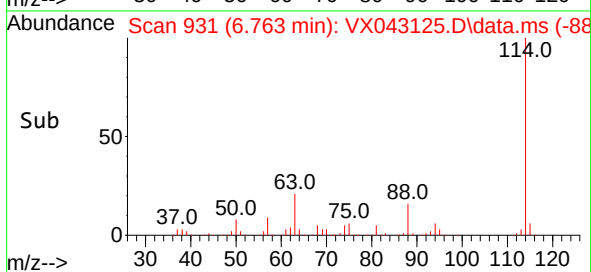
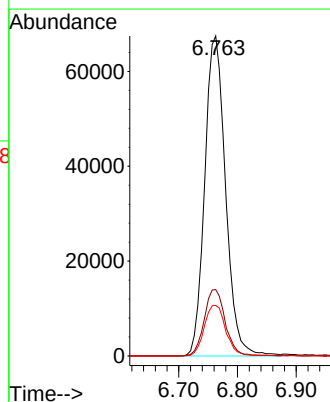
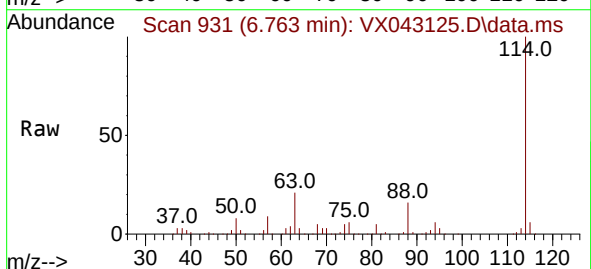
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

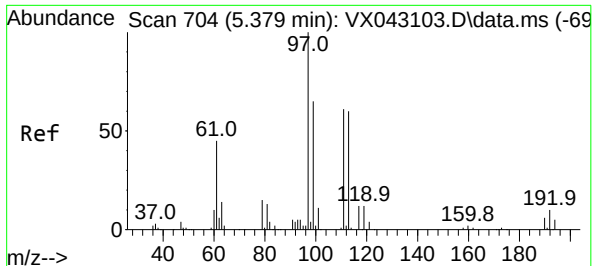
Tgt Ion: 65 Resp: 74135
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX043125.D
 Acq: 24 Sep 2024 16:12

Tgt Ion: 114 Resp: 166306
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 15.8 0.0 33.4

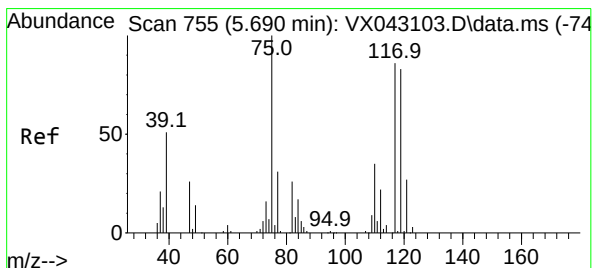
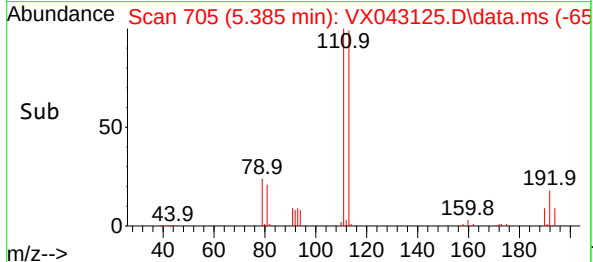
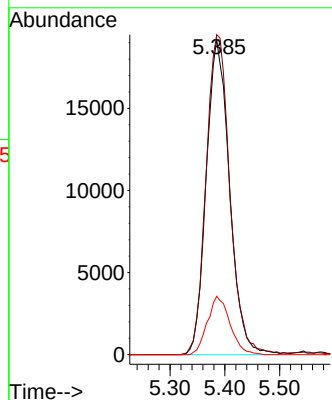
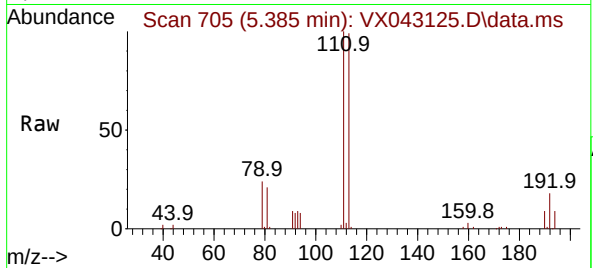




#35
Dibromofluoromethane
Concen: 48.254 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

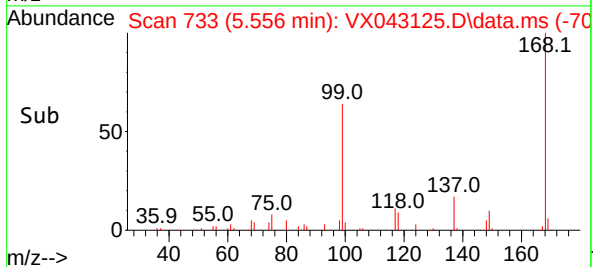
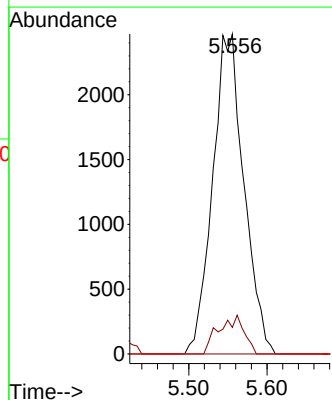
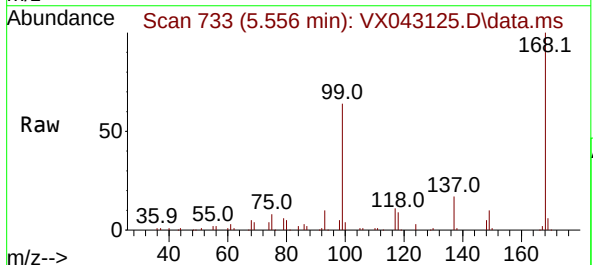
Instrument :
MSVOA_X
ClientSampleId :
IBLK

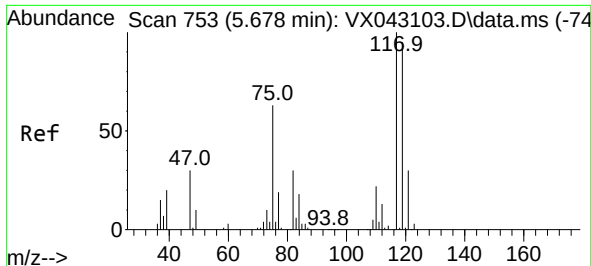
Tgt Ion:113 Resp: 56610
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 18.0 14.6 22.0



#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

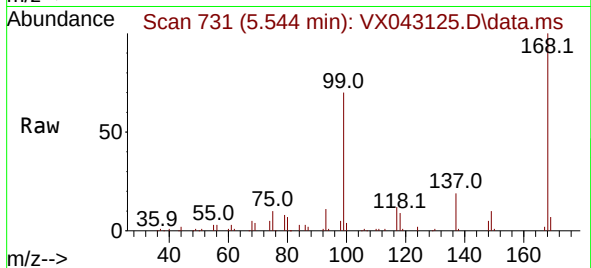
Tgt Ion: 75 Resp: 6852
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.4#
77 0.0 25.2 37.8#



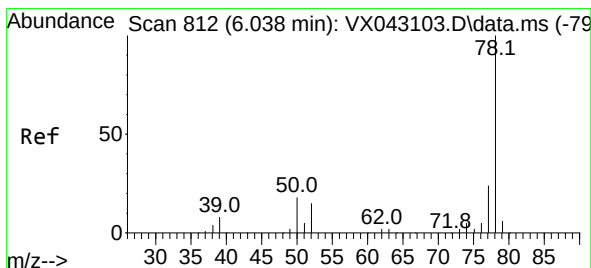
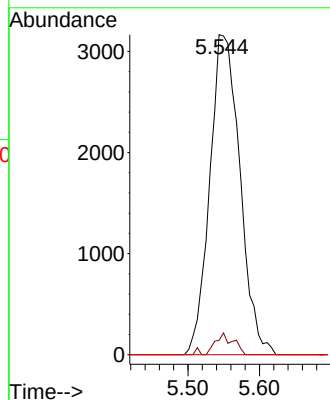
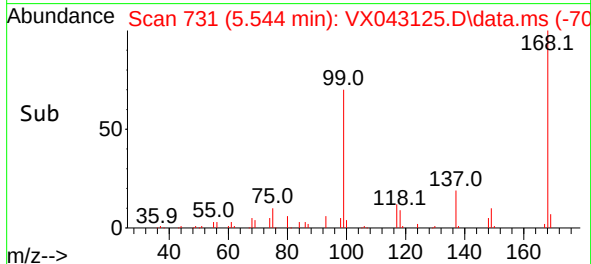


#38
Carbon Tetrachloride
Concen: 5.001 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Instrument :
MSVOA_X
ClientSampleId :
IBLK

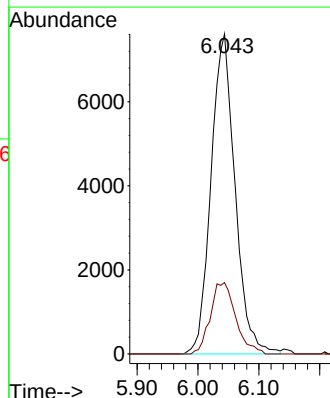
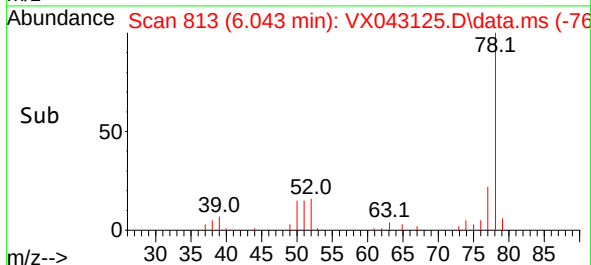
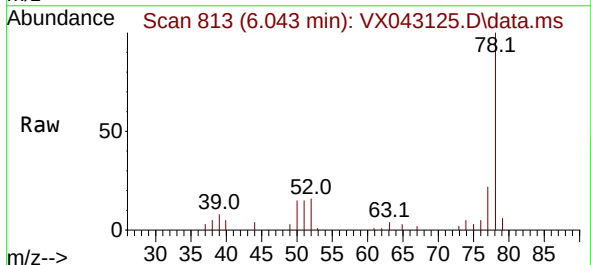


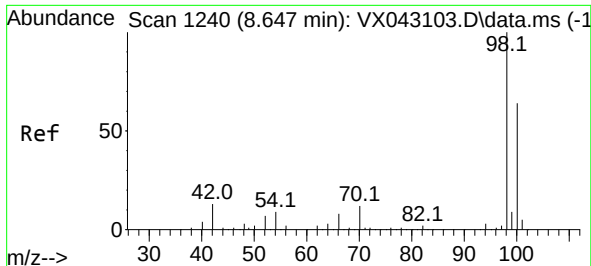
Tgt Ion:117 Resp: 9287
Ion Ratio Lower Upper
117 100
119 4.5 75.5 113.3#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 4.897 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Tgt Ion: 78 Resp: 20831
Ion Ratio Lower Upper
78 100
77 22.3 19.3 28.9

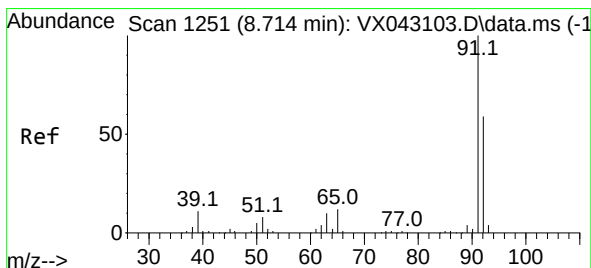
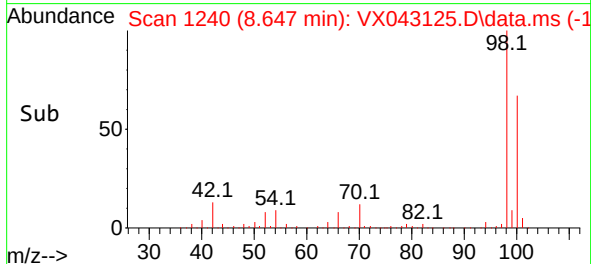
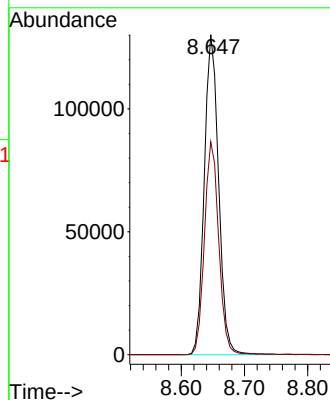
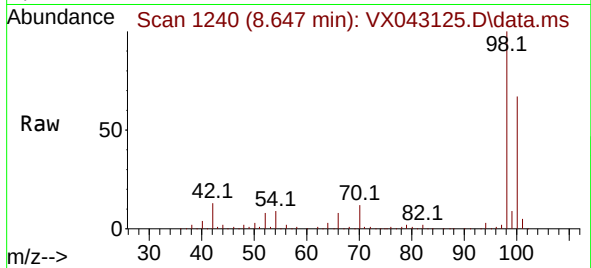




#50
Toluene-d8
Concen: 51.797 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

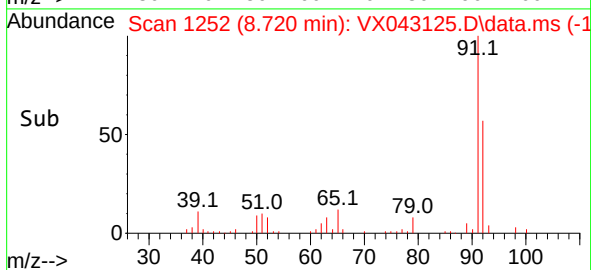
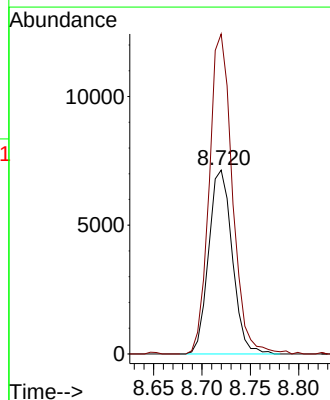
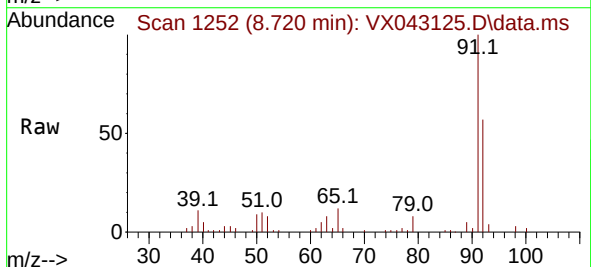
Instrument :
MSVOA_X
ClientSampleId :
IBLK

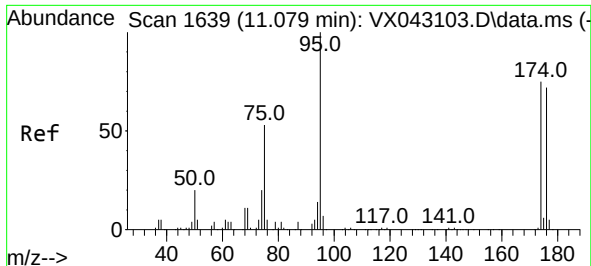
Tgt Ion: 98 Resp: 205588
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.4



#52
Toluene
Concen: 4.424 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Tgt Ion: 92 Resp: 12118
Ion Ratio Lower Upper
92 100
91 171.5 135.9 203.9

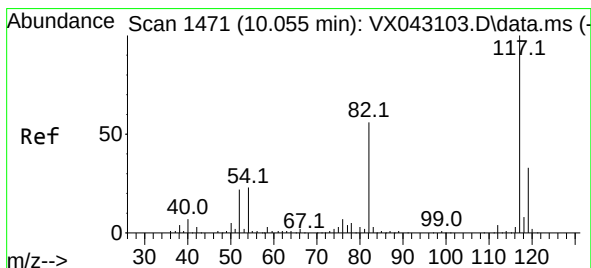
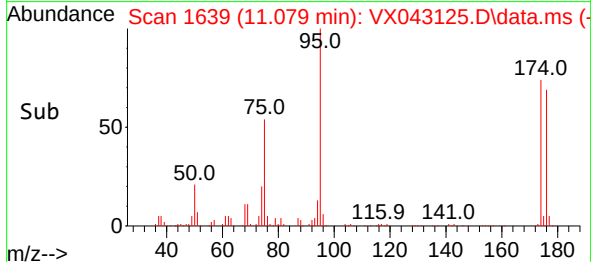
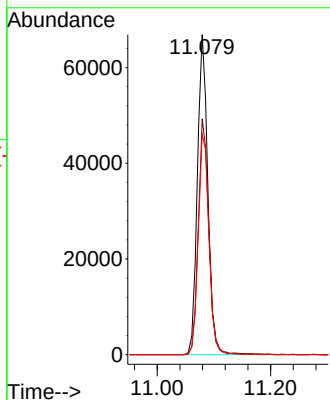
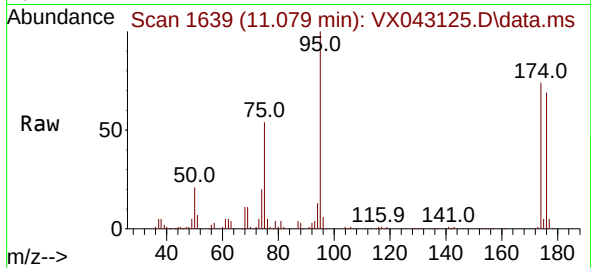




#62
4-Bromofluorobenzene
Concen: 53.670 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

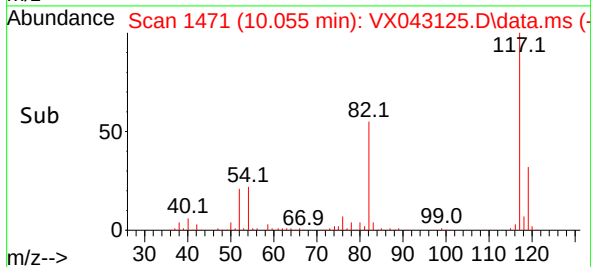
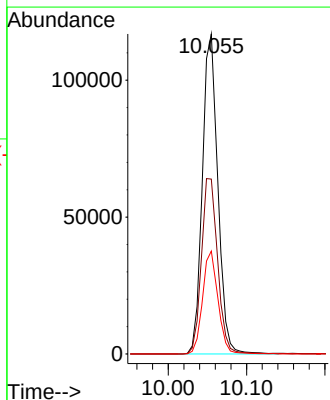
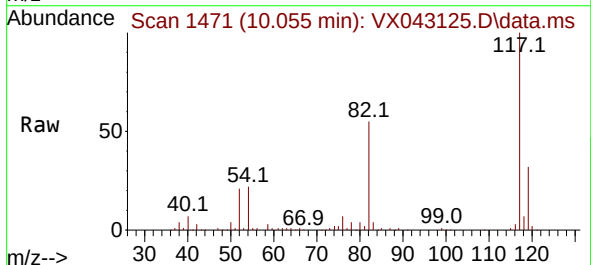
Instrument :
MSVOA_X
ClientSampleId :
IBLK

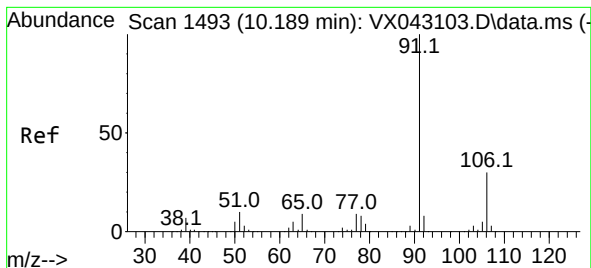
Tgt Ion: 95 Resp: 85787
Ion Ratio Lower Upper
95 100
174 73.6 0.0 146.0
176 70.6 0.0 142.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Tgt Ion: 117 Resp: 160267
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 32.2 26.3 39.5





#67

Ethyl Benzene

Concen: 0.389 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX043125.D

Acq: 24 Sep 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :

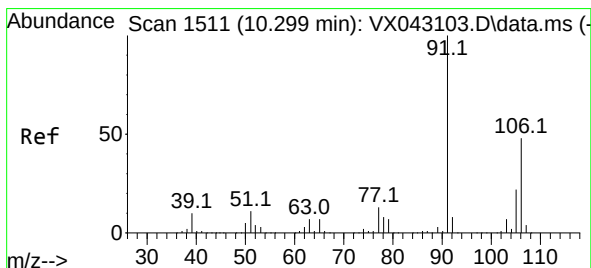
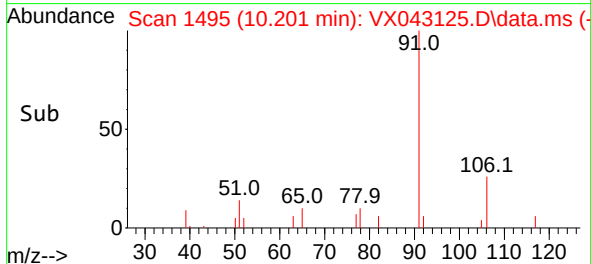
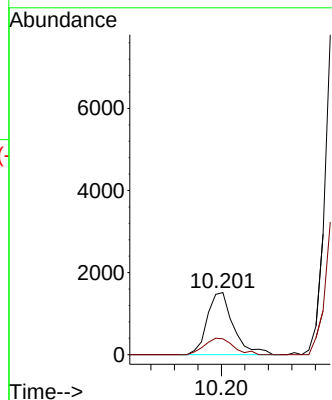
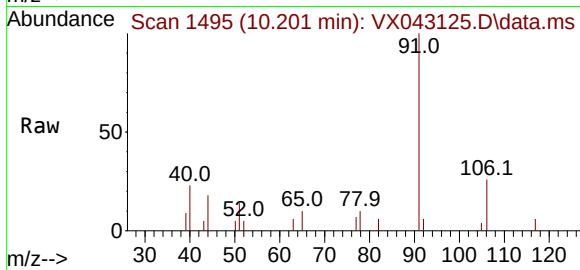
IBLK

Tgt Ion: 91 Resp: 2329

Ion Ratio Lower Upper

91 100

106 25.5 24.2 36.4



#68

m/p-Xylenes

Concen: 3.197 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043125.D

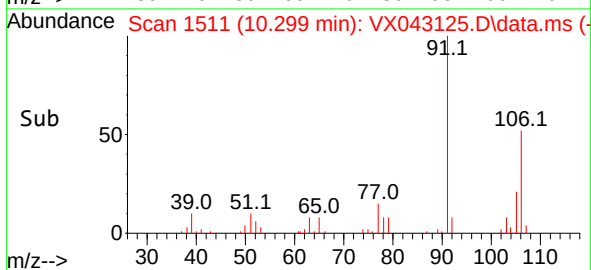
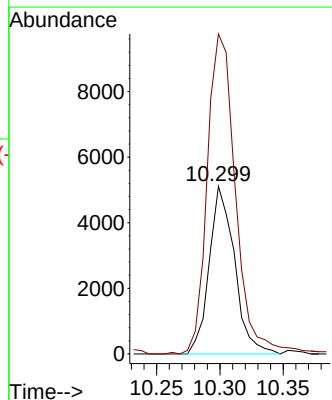
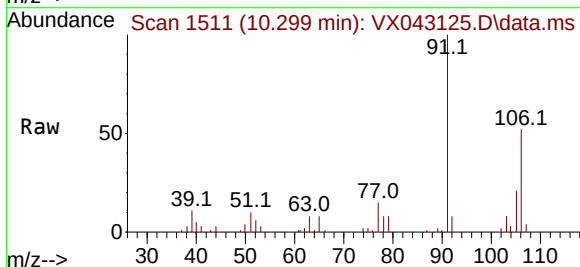
Acq: 24 Sep 2024 16:12

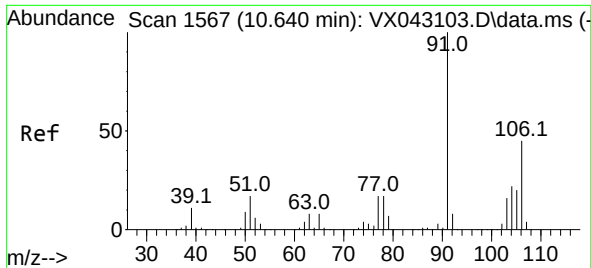
Tgt Ion:106 Resp: 7116

Ion Ratio Lower Upper

106 100

91 214.6 167.5 251.3

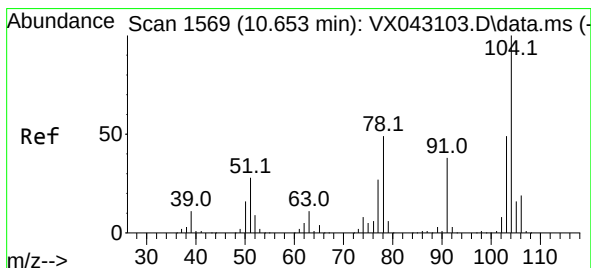
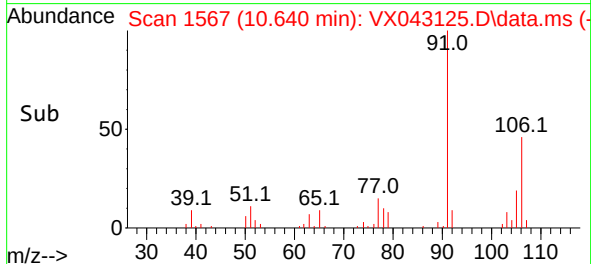
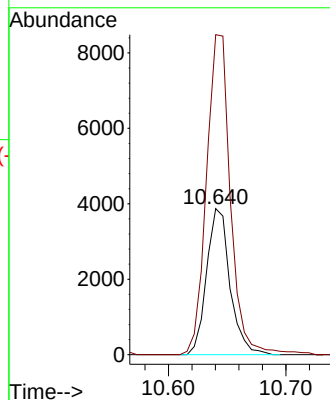
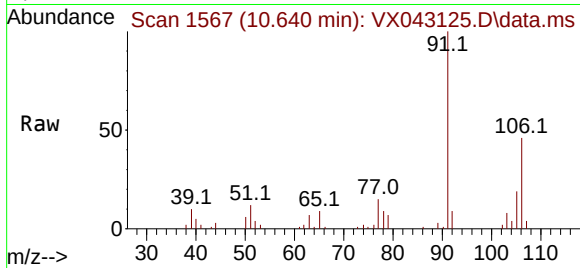




#69
o-Xylene
Concen: 2.400 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

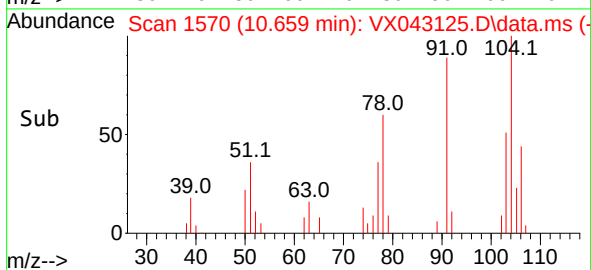
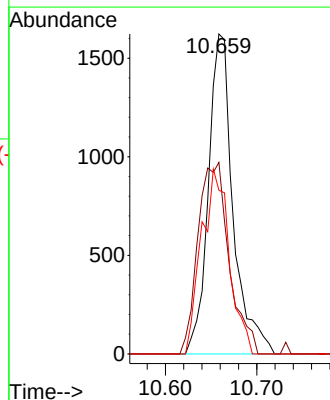
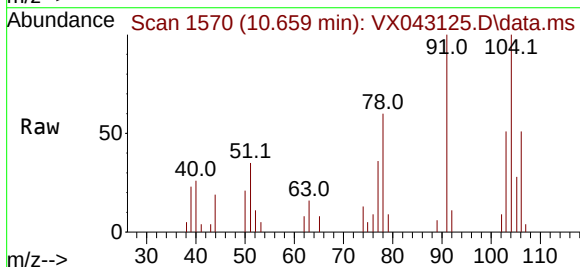
Instrument :
MSVOA_X
ClientSampleId :
IBLK

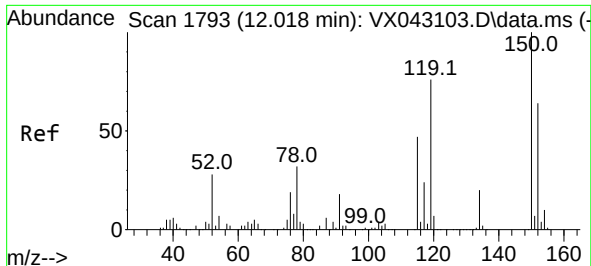
Tgt Ion:106 Resp: 5357
Ion Ratio Lower Upper
106 100
91 225.7 112.5 337.4



#70
Styrene
Concen: 0.818 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043125.D
Acq: 24 Sep 2024 16:12

Tgt Ion:104 Resp: 3046
Ion Ratio Lower Upper
104 100
78 75.3 44.3 66.5#
103 64.9 43.4 65.0

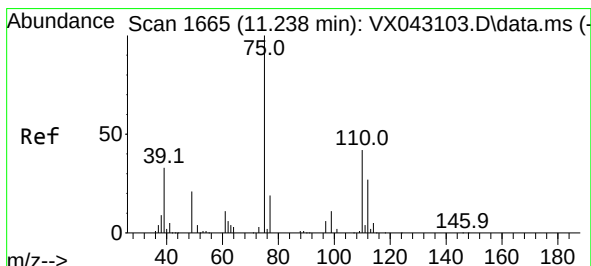
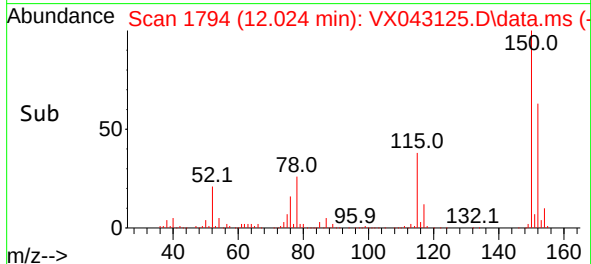
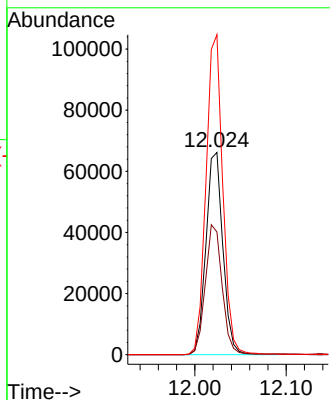
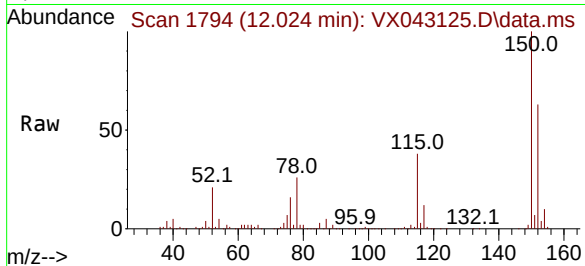




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX043125.D
 Acq: 24 Sep 2024 16:12

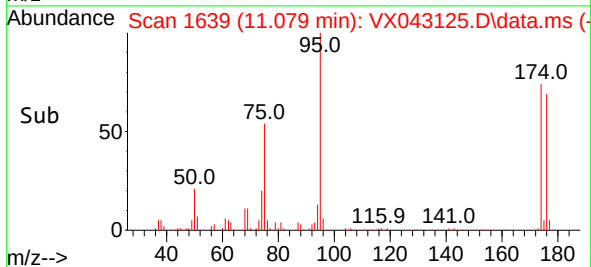
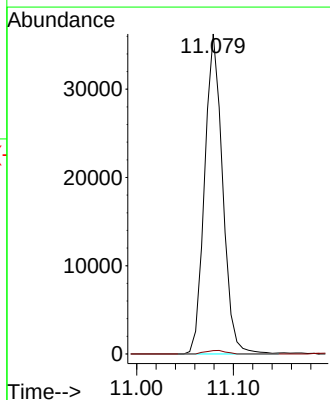
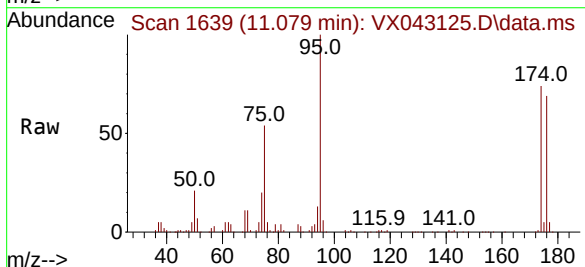
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

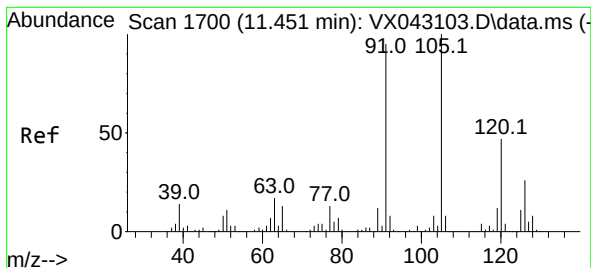
Tgt Ion:152 Resp: 85153
 Ion Ratio Lower Upper
 152 100
 115 63.8 43.7 131.1
 150 156.5 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 25.942 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043125.D
 Acq: 24 Sep 2024 16:12

Tgt Ion: 75 Resp: 46966
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.9 65.7#





#80

1,3,5-Trimethylbenzene

Concen: 0.551 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043125.D

Acq: 24 Sep 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :

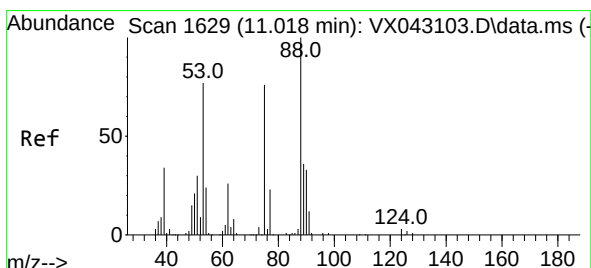
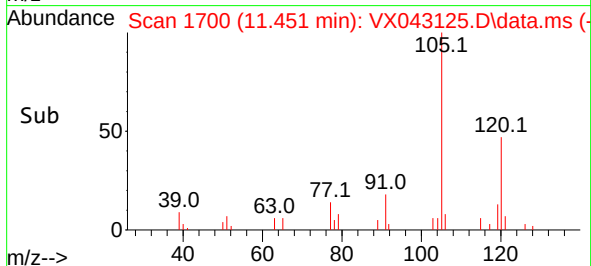
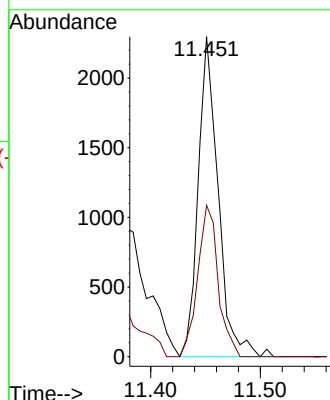
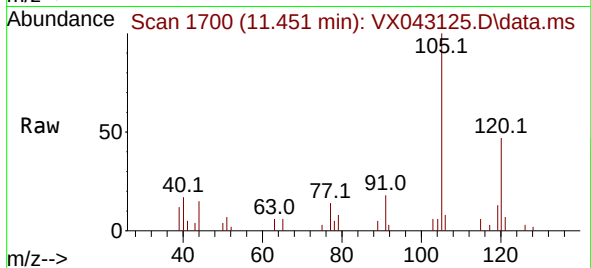
IBLK

Tgt Ion:105 Resp: 2910

Ion Ratio Lower Upper

105 100

120 48.6 23.5 70.5



#81

trans-1,4-Dichloro-2-butene

Concen: 61.810 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043125.D

Acq: 24 Sep 2024 16:12

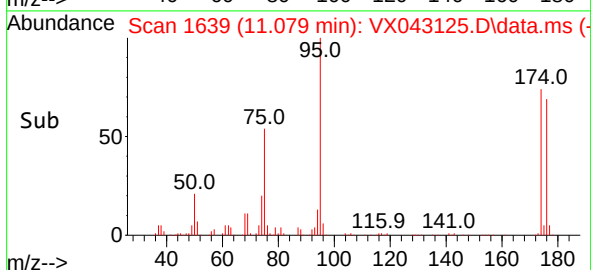
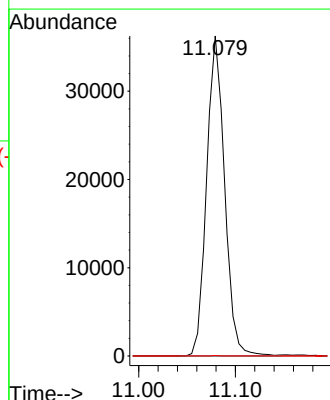
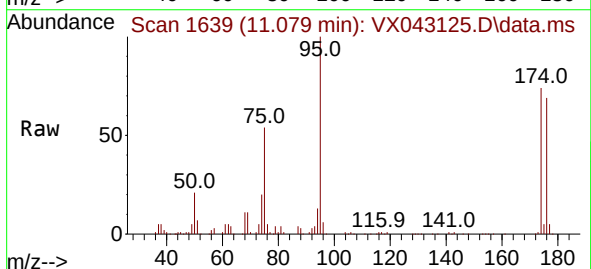
Tgt Ion: 75 Resp: 46966

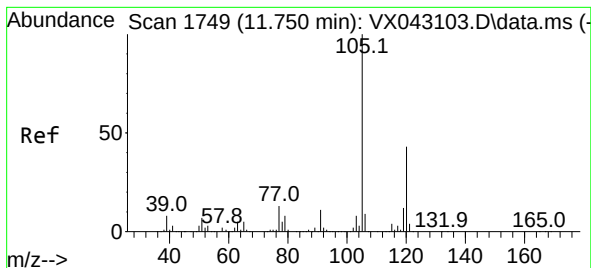
Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.2#

89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 1.447 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043125.D

Acq: 24 Sep 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :

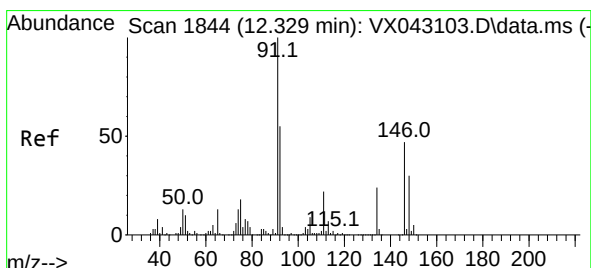
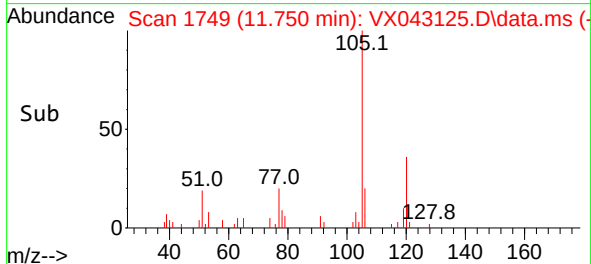
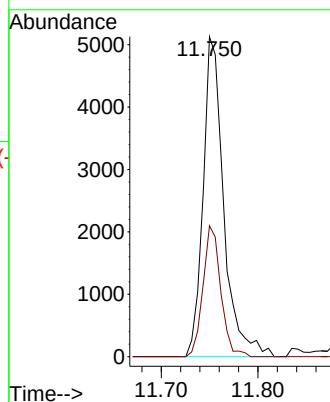
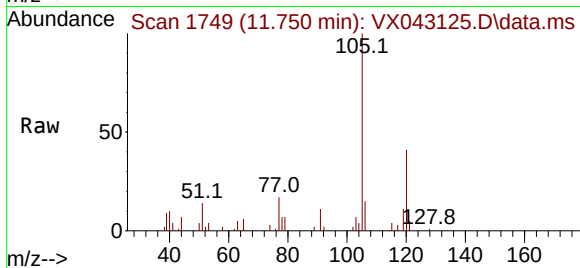
IBLK

Tgt Ion:105 Resp: 7605

Ion Ratio Lower Upper

105 100

120 35.3 21.8 65.4



#89

n-Butylbenzene

Concen: 0.216 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043125.D

Acq: 24 Sep 2024 16:12

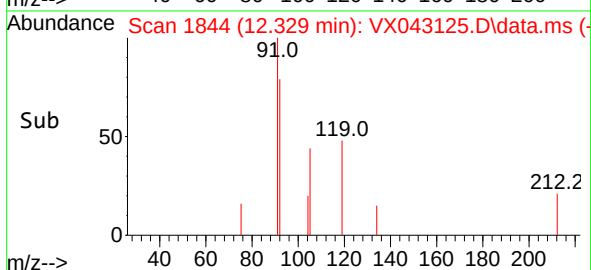
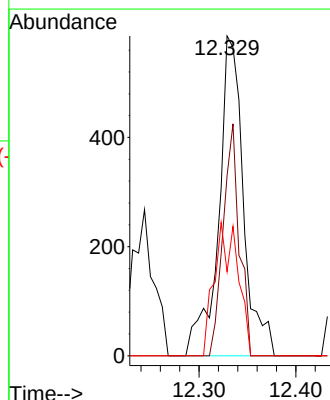
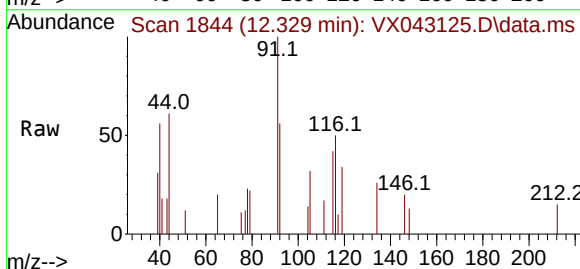
Tgt Ion: 91 Resp: 1046

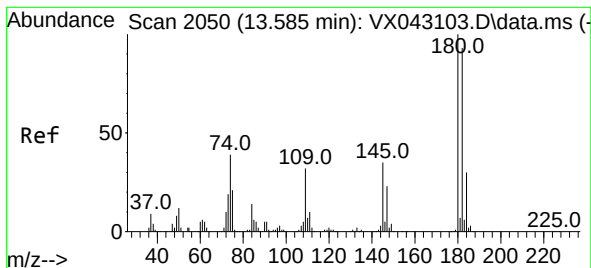
Ion Ratio Lower Upper

91 100

92 47.0 26.9 80.7

134 39.3 12.6 37.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.231 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043125.D

Acq: 24 Sep 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :

IBLK

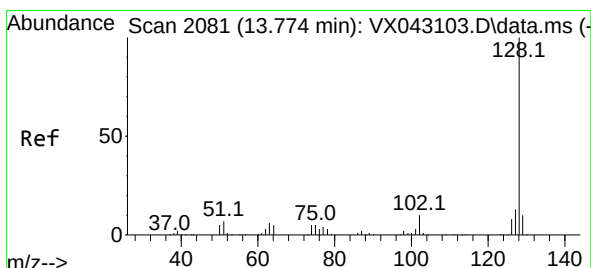
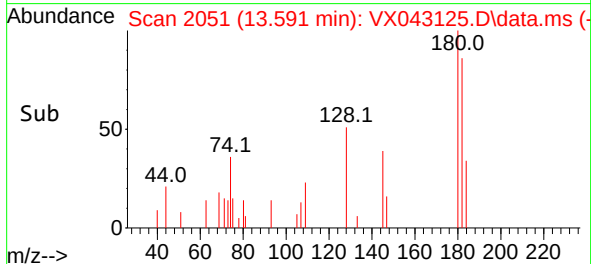
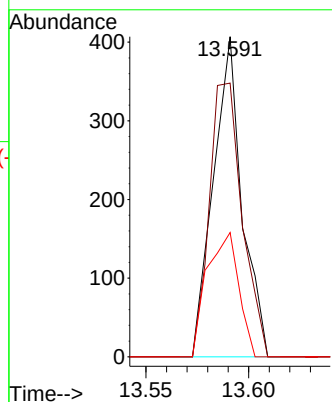
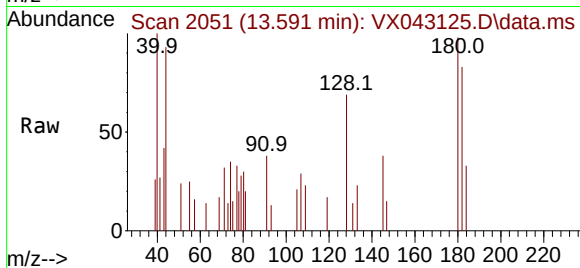
Tgt Ion:180 Resp: 395

Ion Ratio Lower Upper

180 100

182 97.7 46.7 140.0

145 42.8 17.0 50.9



#95

Naphthalene

Concen: 56.249 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043125.D

Acq: 24 Sep 2024 16:12

Tgt Ion:128 Resp: 333690

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.6 8.6 13.0

