

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046167.D
 Acq On : 13 May 2025 15:35
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 14 01:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

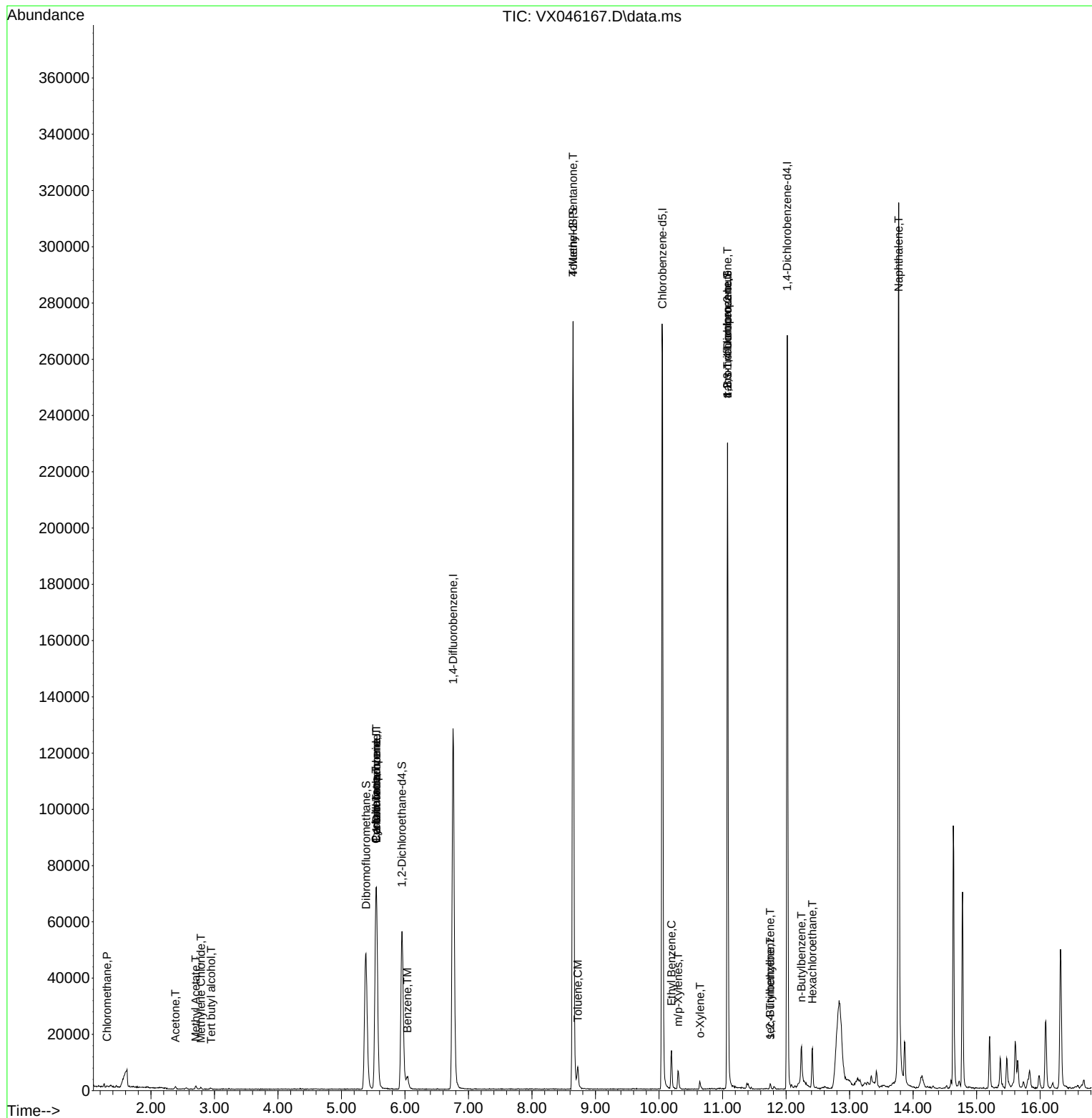
Internal Standards						
1) Pentafluorobenzene	5.550	168	63606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58811	49.595	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.200%		
35) Dibromofluoromethane	5.385	113	42773	47.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.160%		
50) Toluene-d8	8.647	98	156575	50.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.660%		
62) 4-Bromofluorobenzene	11.079	95	60885	51.019	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.040%		
Target Compounds						Qvalue
3) Chloromethane	1.307	50	448	0.475	ug/l #	84
11) Tert butyl alcohol	2.946	59	82	0.493	ug/l #	72
16) Acetone	2.386	43	921	1.937	ug/l	90
18) Methyl Acetate	2.703	43	1437	1.302	ug/l	97
20) Methylene Chloride	2.788	84	223	0.245	ug/l	94
31) Cyclohexane	5.544	56	1825	1.291	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	6025	4.989	ug/l #	46
38) Carbon Tetrachloride	5.550	117	7533	5.551	ug/l #	16
40) Benzene	6.037	78	4645	1.313	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	916	0.606	ug/l #	1
52) Toluene	8.720	92	2778	1.281	ug/l	99
67) Ethyl Benzene	10.195	91	8579	1.903	ug/l	98
68) m/p-Xylenes	10.299	106	1574	0.955	ug/l	80
69) o-Xylene	10.646	106	631	0.393	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	34344	28.526	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34344	92.871	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.750	105	1135	0.345	ug/l	88
85) sec-Butylbenzene	11.750	105	1135	0.282	ug/l #	57
89) n-Butylbenzene	12.244	91	867	0.298	ug/l #	38
90) Hexachloroethane	12.414	117	655	1.119	ug/l #	19
95) Naphthalene	13.774	128	208043	59.649	ug/l	99

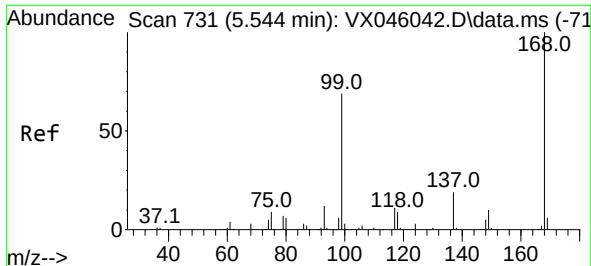
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 01:42:04 2025
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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

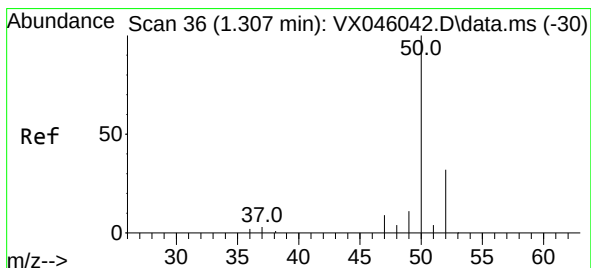
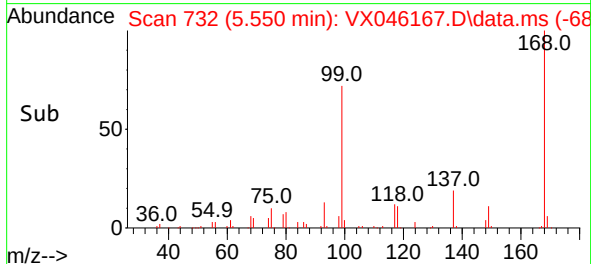
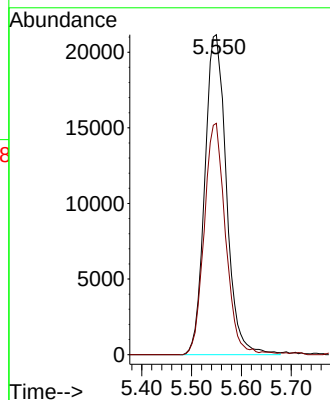
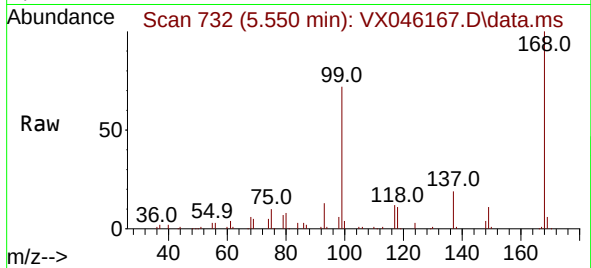




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

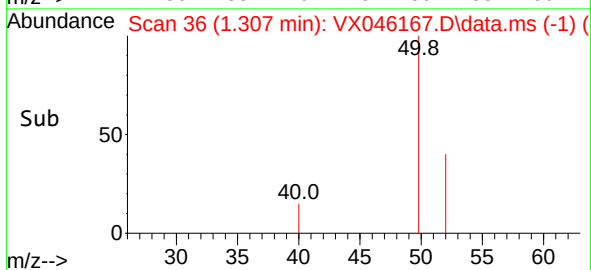
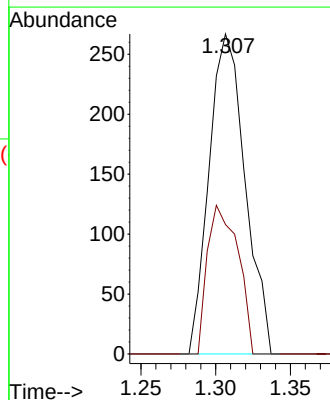
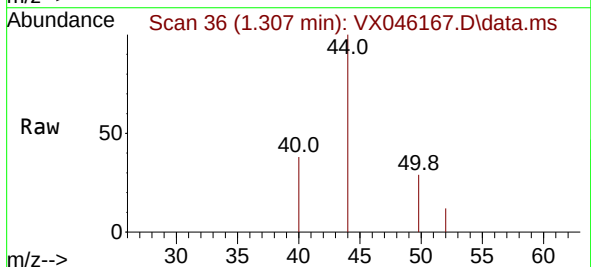
Instrument :
MSVOA_X
ClientSampleId :
IBLK

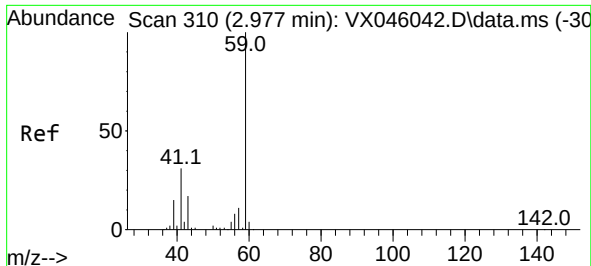
Tgt Ion:168 Resp: 63606
Ion Ratio Lower Upper
168 100
99 72.3 54.9 82.3



#3
Chloromethane
Concen: 0.475 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 50 Resp: 448
Ion Ratio Lower Upper
50 100
52 40.4 25.4 38.2#

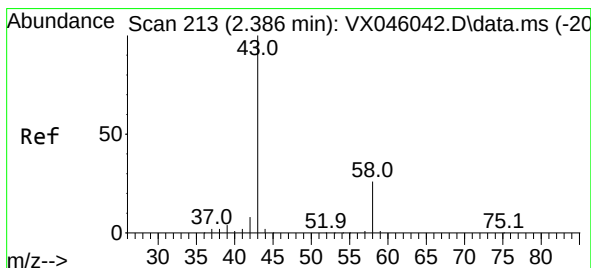
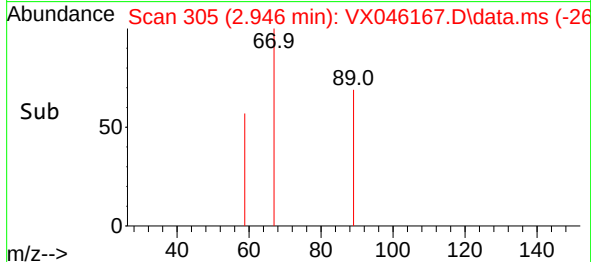
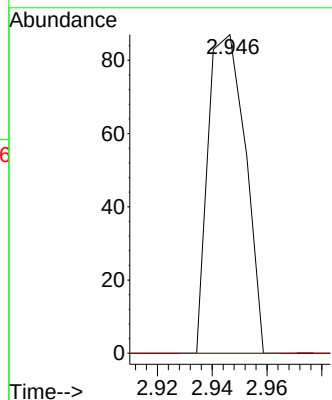
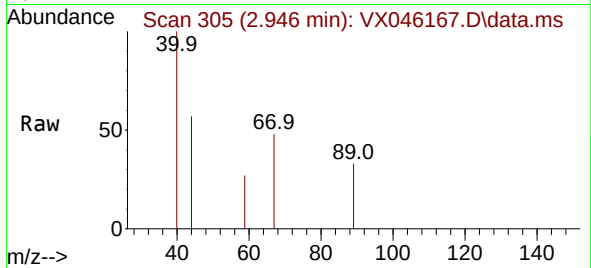




#11
Tert butyl alcohol
Concen: 0.493 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.031 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

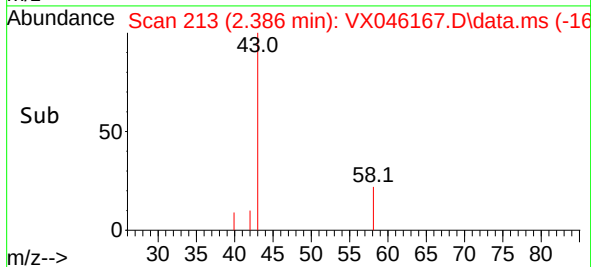
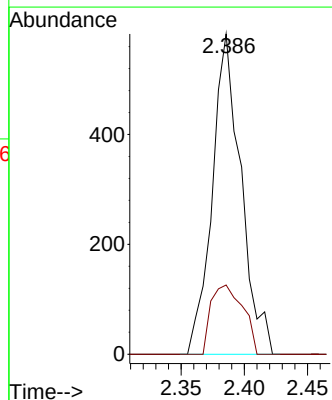
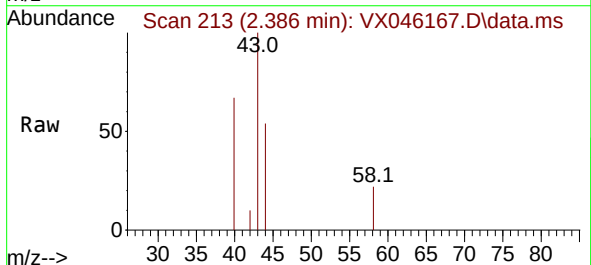
Instrument :
MSVOA_X
ClientSampleId :
IBLK

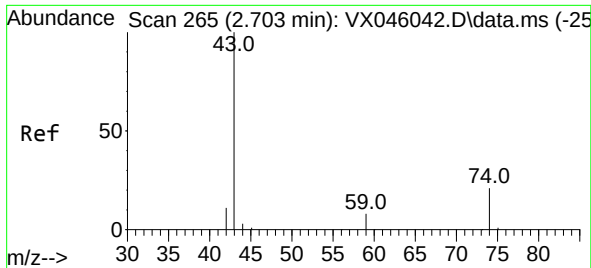
Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 1.937 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 21.6 21.2 31.8

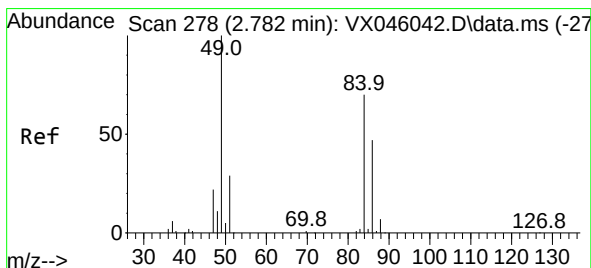
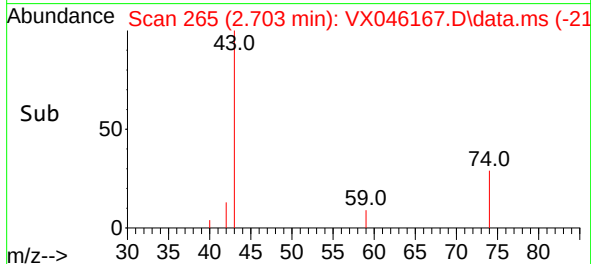
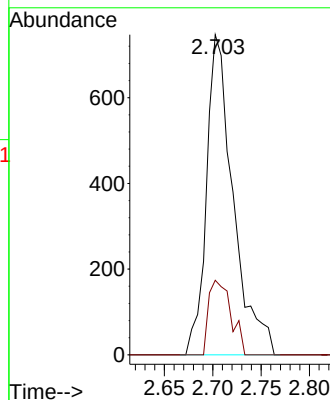
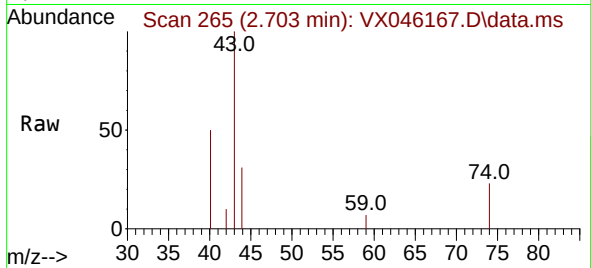




#18
Methyl Acetate
Concen: 1.302 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

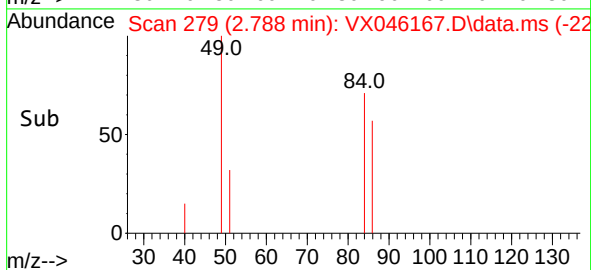
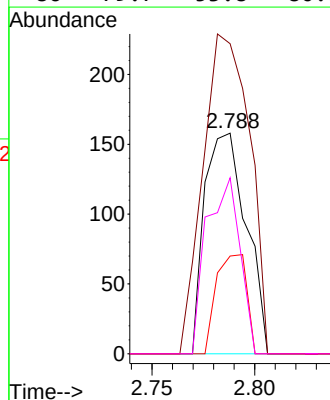
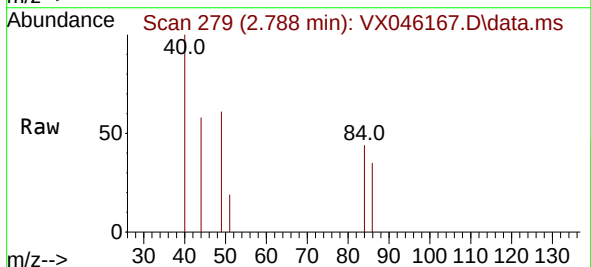
Instrument :
MSVOA_X
ClientSampleId :
IBLK

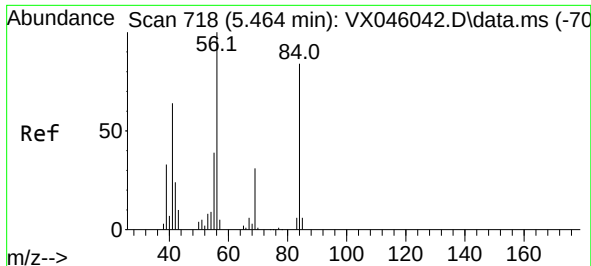
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
74 19.3 16.7 25.1



#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 84 Resp: 223
Ion Ratio Lower Upper
84 100
49 140.5 113.9 170.9
51 44.3 33.5 50.3
86 79.7 53.8 80.8

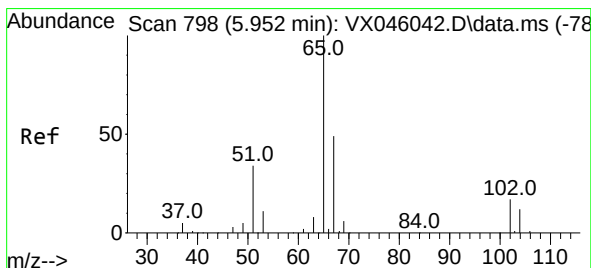
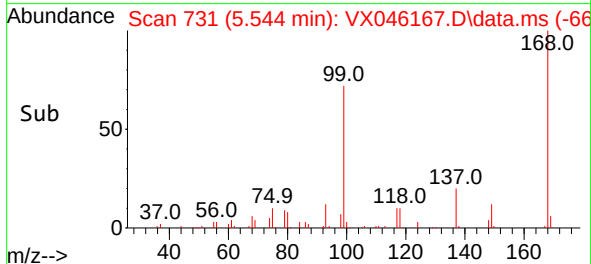
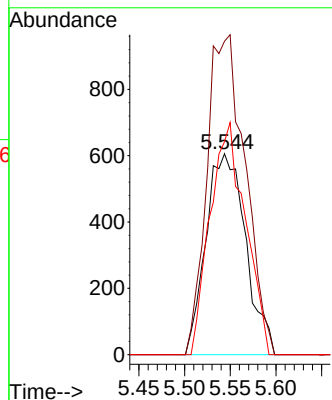
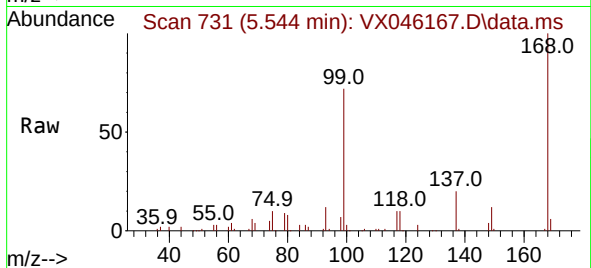




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

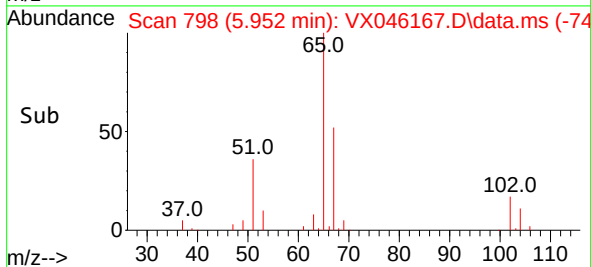
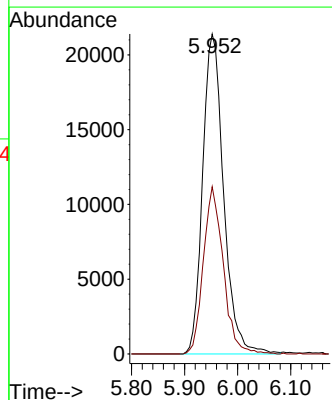
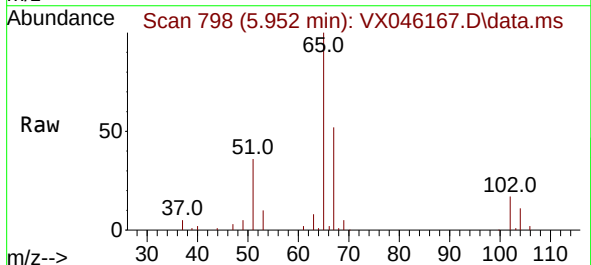
Instrument :
MSVOA_X
ClientSampleId :
IBLK

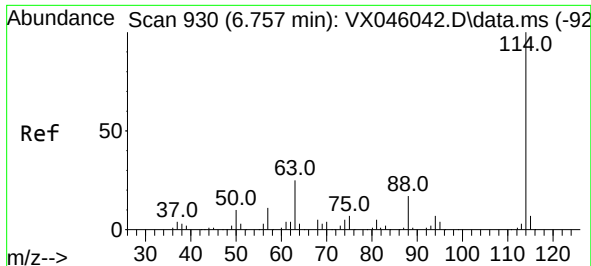
Tgt Ion: 56 Resp: 1825
Ion Ratio Lower Upper
56 100
69 155.9 24.4 36.6#
84 105.9 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.595 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 65 Resp: 58811
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0

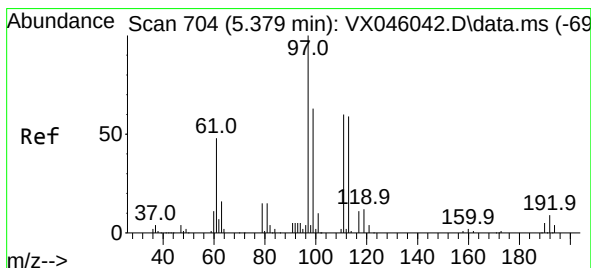
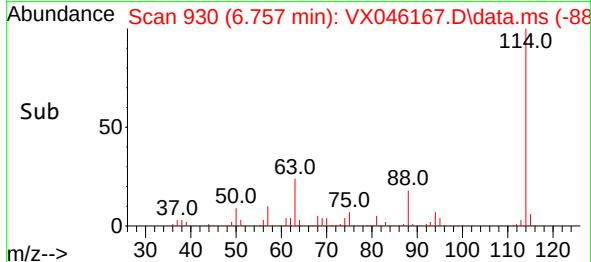
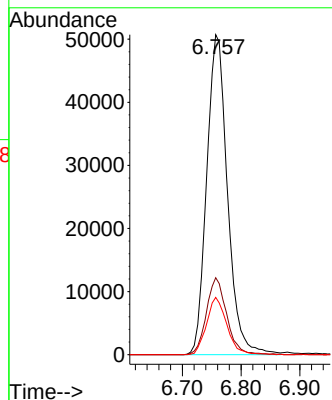
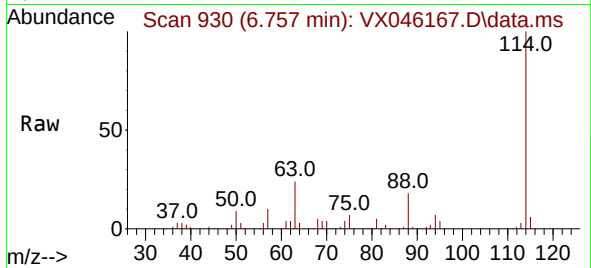




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

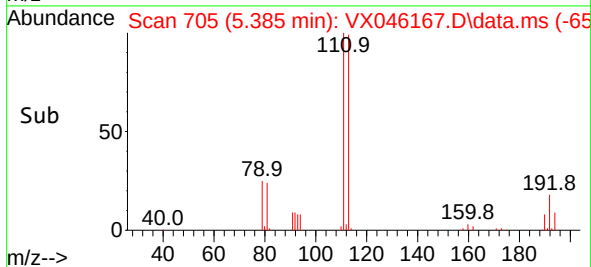
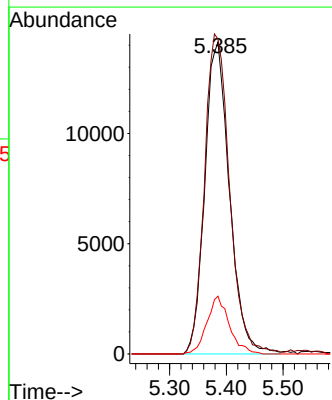
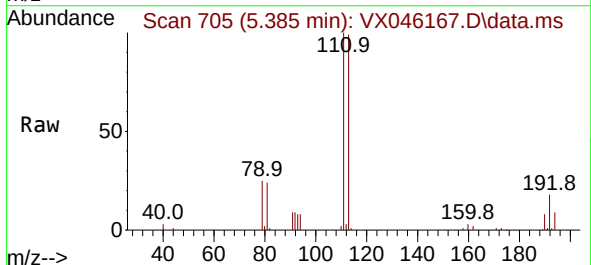
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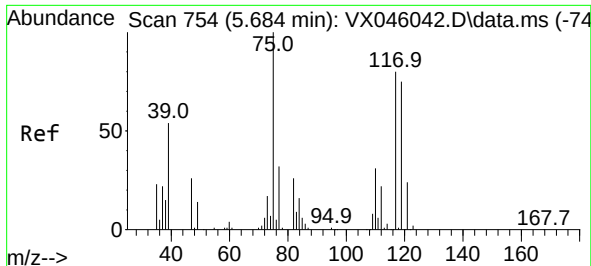
Tgt Ion:114 Resp: 124826
Ion Ratio Lower Upper
114 100
63 24.0 0.0 49.2
88 17.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 47.585 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion:113 Resp: 42773
Ion Ratio Lower Upper
113 100
111 104.1 83.1 124.7
192 16.8 13.3 19.9

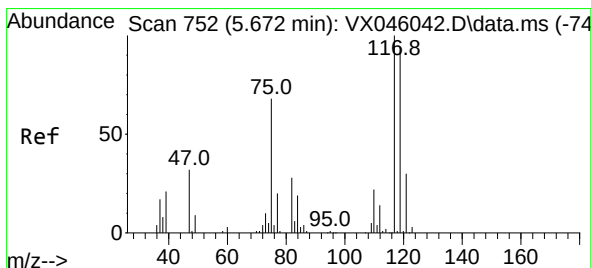
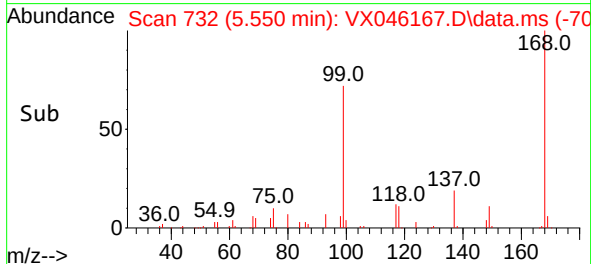
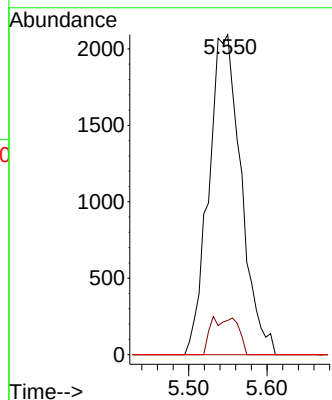
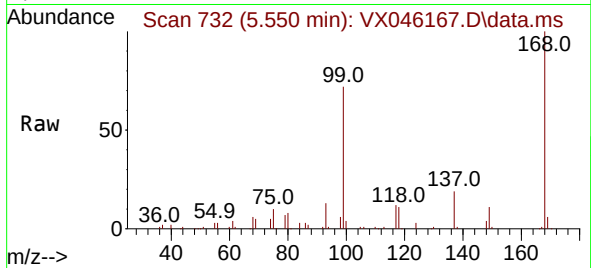




#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

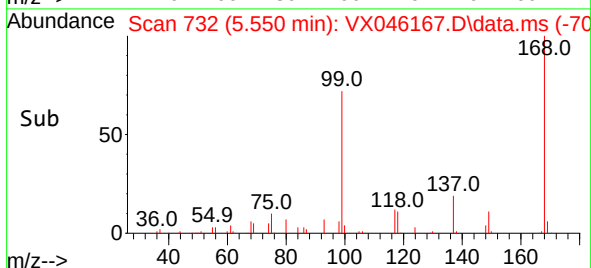
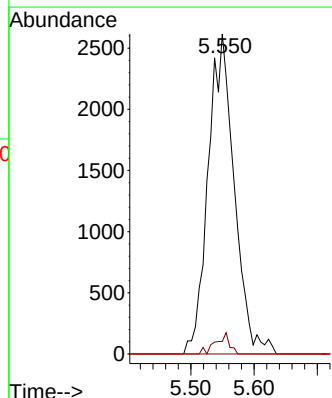
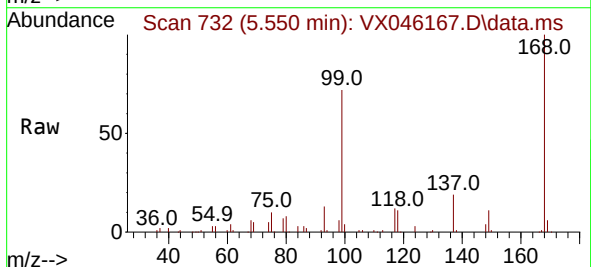
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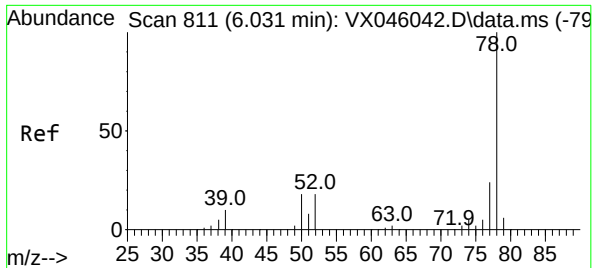
Tgt Ion: 75 Resp: 6025
Ion Ratio Lower Upper
75 100
110 3.6 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 117 Resp: 7533
Ion Ratio Lower Upper
117 100
119 3.9 75.2 112.8#
121 0.0 24.2 36.4#





#40

Benzene

Concen: 1.313 ug/l

RT: 6.037 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX046167.D

Acq: 13 May 2025 15:35

Instrument :

MSVOA_X

ClientSampleId :

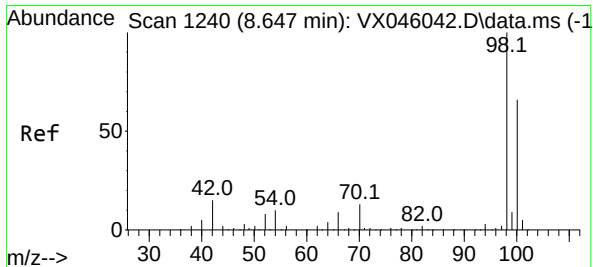
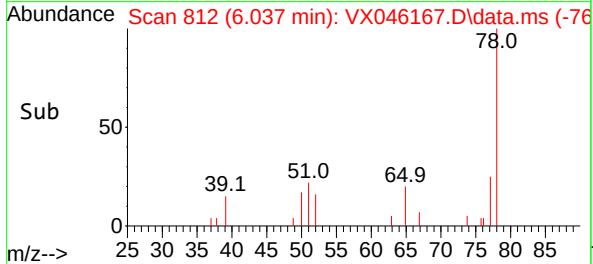
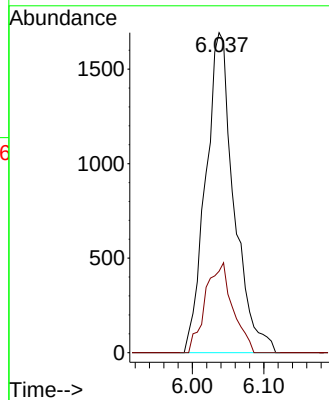
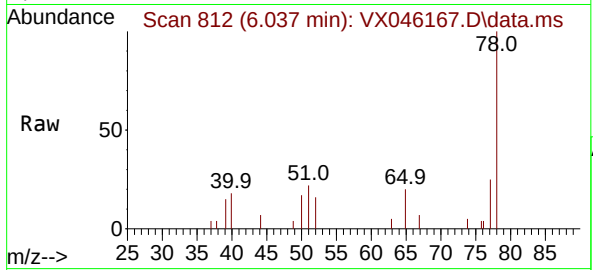
IBLK

Tgt Ion: 78 Resp: 4645

Ion Ratio Lower Upper

78 100

77 25.5 19.0 28.4



#50

Toluene-d8

Concen: 50.327 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046167.D

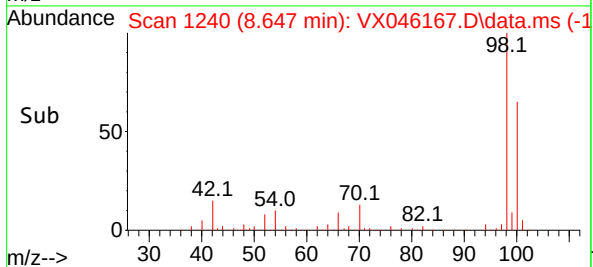
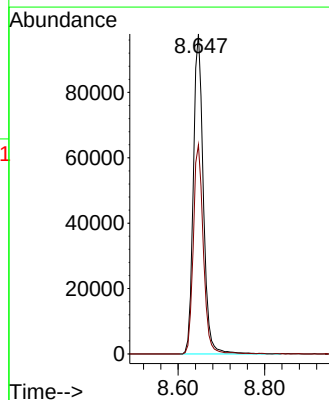
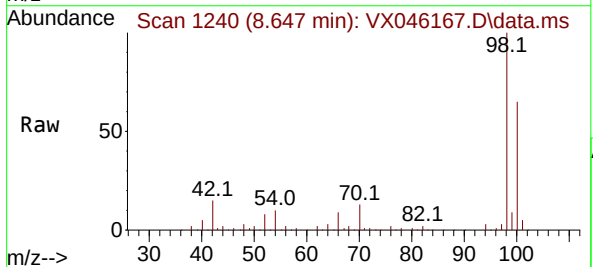
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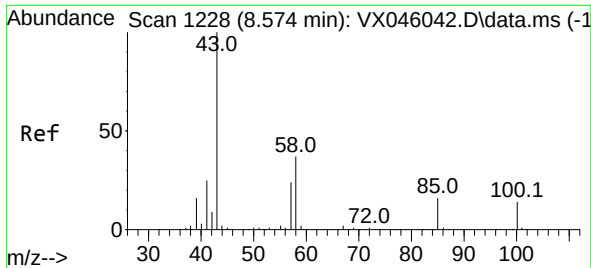
Tgt Ion: 98 Resp: 156575

Ion Ratio Lower Upper

98 100

100 65.7 53.5 80.3

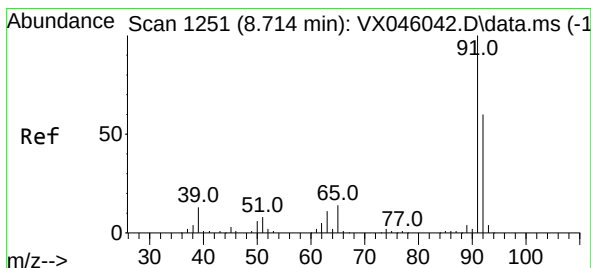
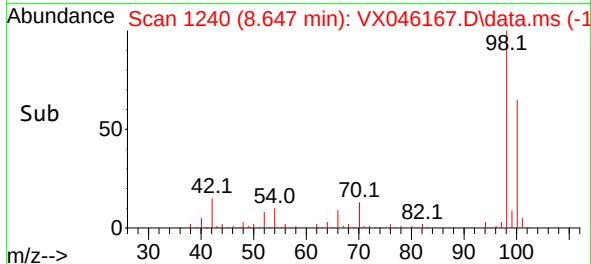
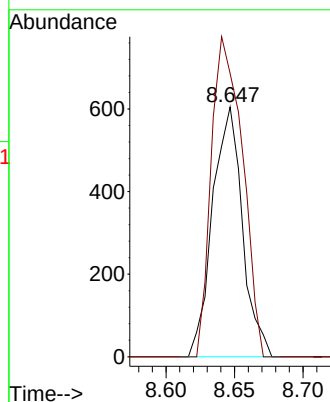
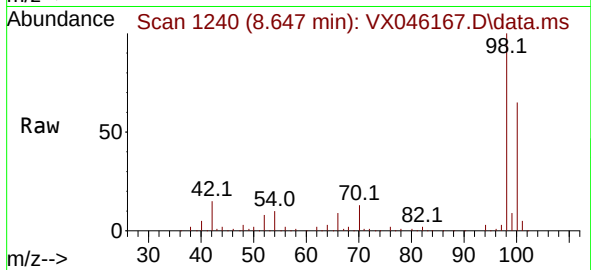




#51
4-Methyl-2-Pentanone
Concen: 0.606 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

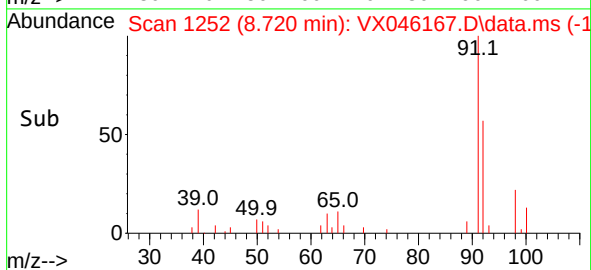
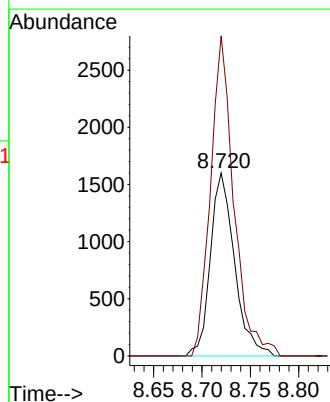
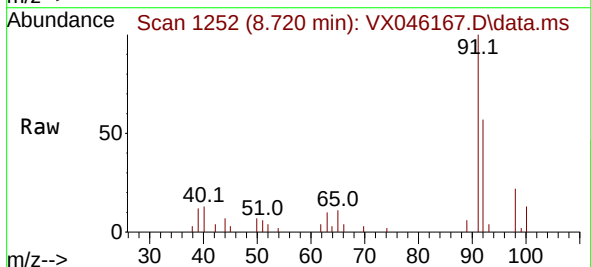
Instrument :
MSVOA_X
ClientSampleId :
IBLK

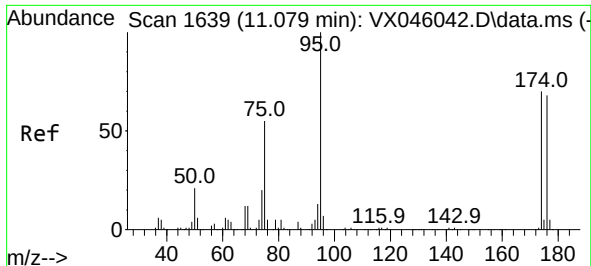
Tgt Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
58 133.6 28.9 43.3#



#52
Toluene
Concen: 1.281 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 92 Resp: 2778
Ion Ratio Lower Upper
92 100
91 169.3 136.6 205.0

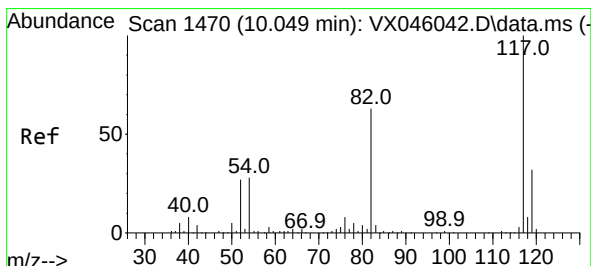
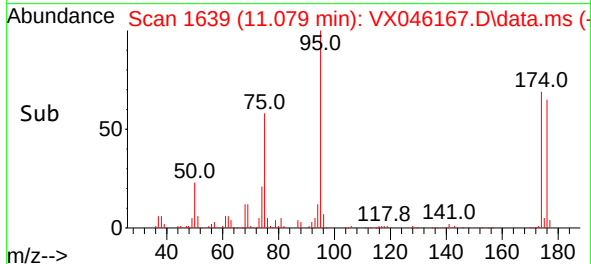
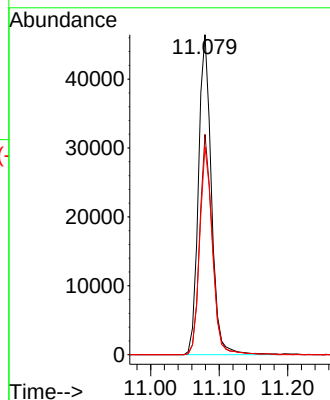
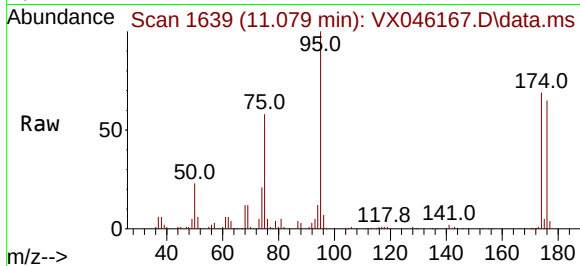




#62
4-Bromofluorobenzene
Concen: 51.019 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

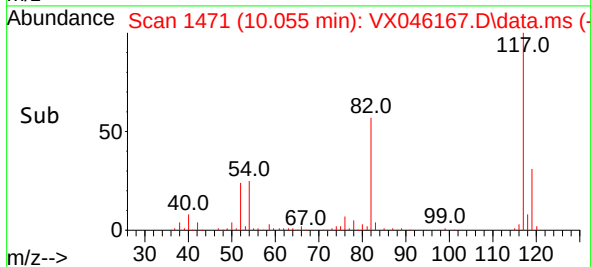
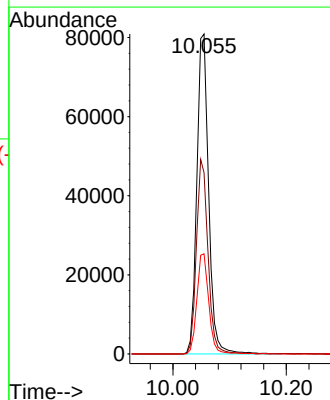
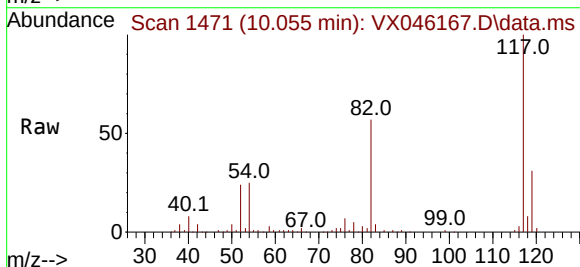
Instrument :
MSVOA_X
ClientSampleId :
IBLK

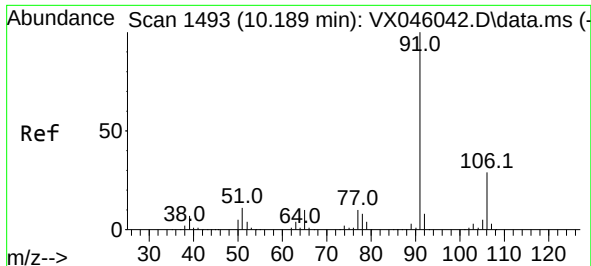
Tgt Ion: 95 Resp: 60885
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 117 Resp: 116832
Ion Ratio Lower Upper
117 100
82 56.7 50.6 76.0
119 31.3 25.8 38.6





#67

Ethyl Benzene

Concen: 1.903 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046167.D

Acq: 13 May 2025 15:35

Instrument :

MSVOA_X

ClientSampleId :

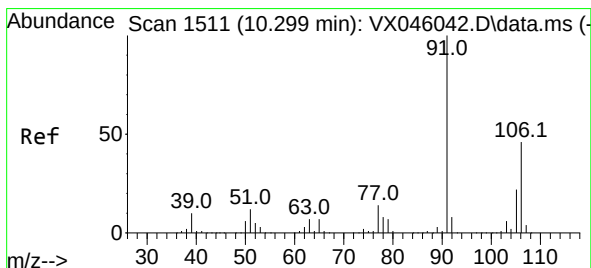
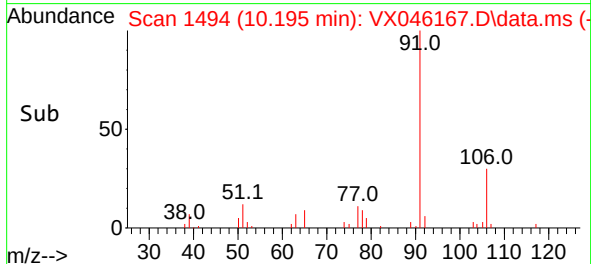
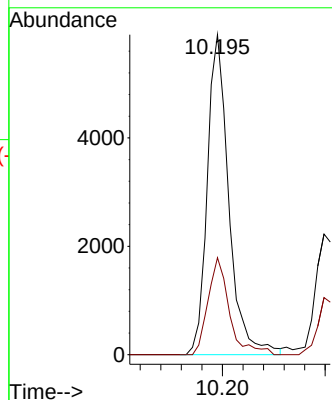
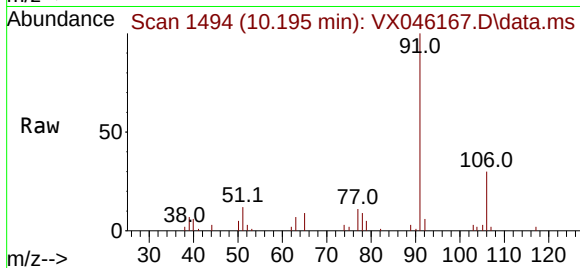
IBLK

Tgt Ion: 91 Resp: 8579

Ion Ratio Lower Upper

91 100

106 30.3 23.4 35.2



#68

m/p-Xylenes

Concen: 0.955 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046167.D

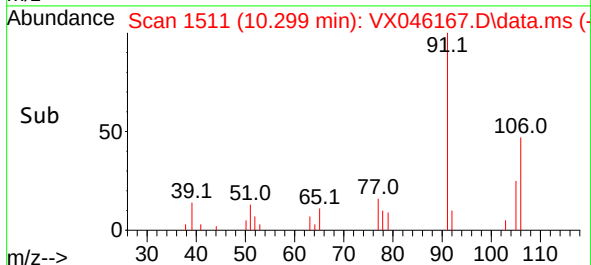
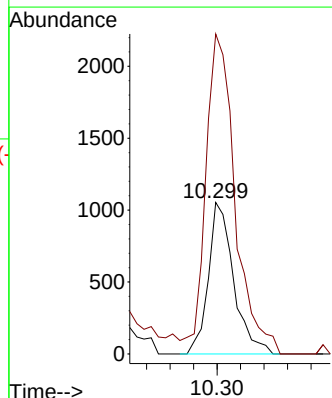
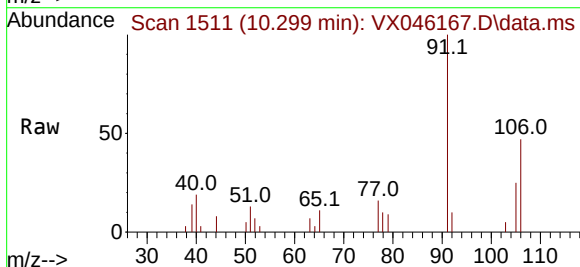
Acq: 13 May 2025 15:35

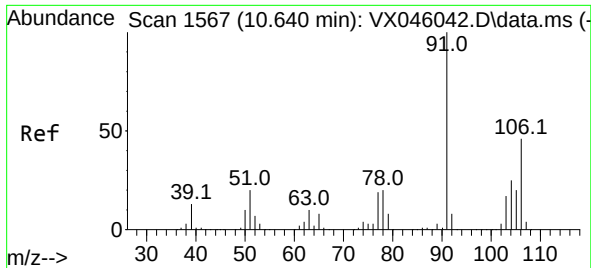
Tgt Ion:106 Resp: 1574

Ion Ratio Lower Upper

106 100

91 245.0 171.2 256.8

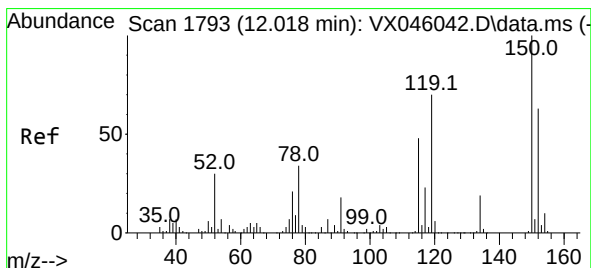
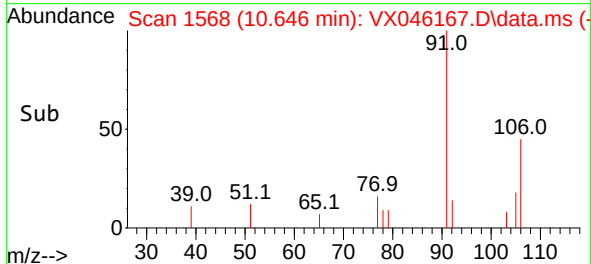
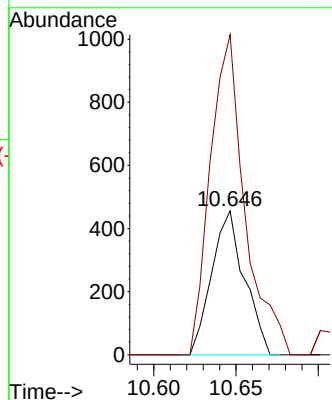
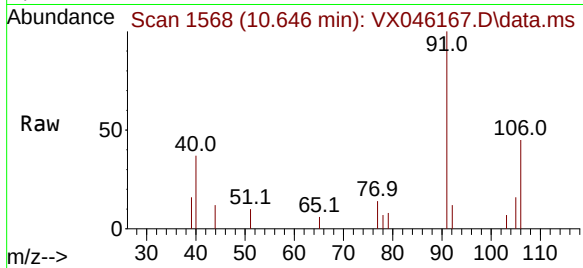




#69
o-Xylene
Concen: 0.393 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

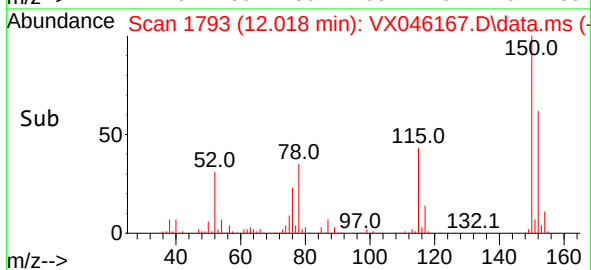
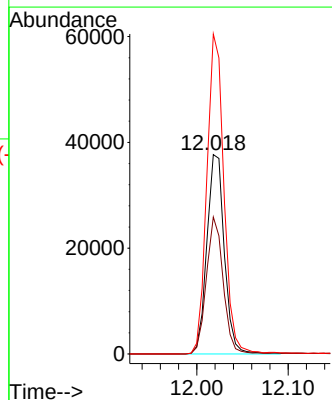
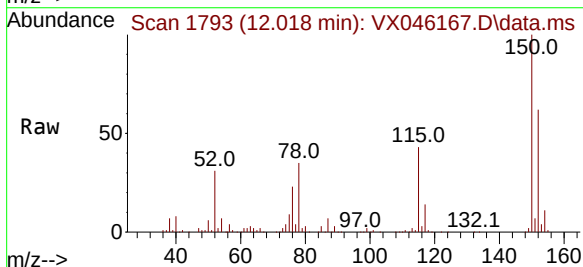
Instrument :
MSVOA_X
ClientSampleId :
IBLK

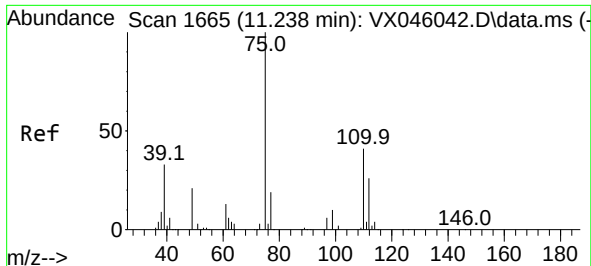
Tgt Ion:106 Resp: 631
Ion Ratio Lower Upper
106 100
91 234.2 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion:152 Resp: 50018
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 157.1 0.0 351.0

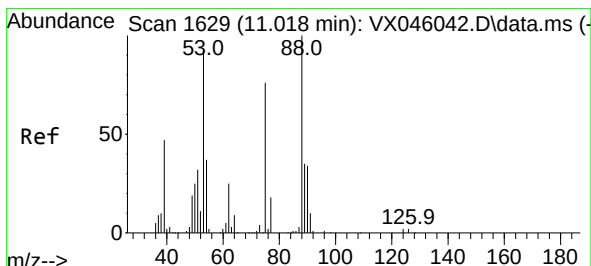
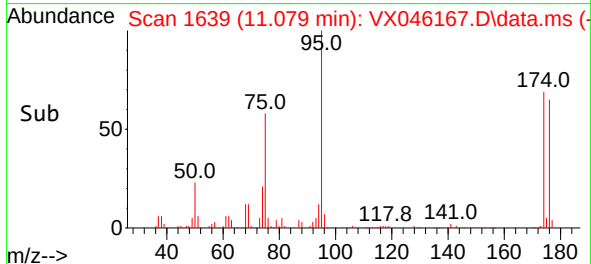
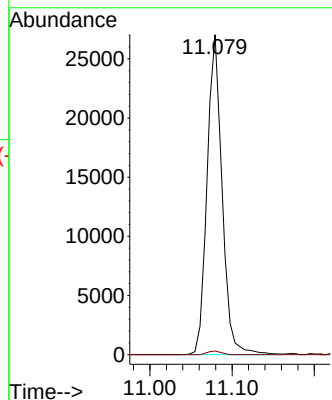
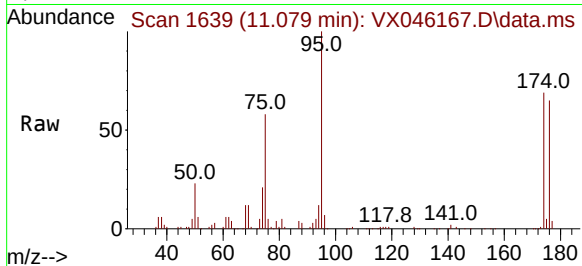




#76
1,2,3-Trichloropropane
Concen: 28.526 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

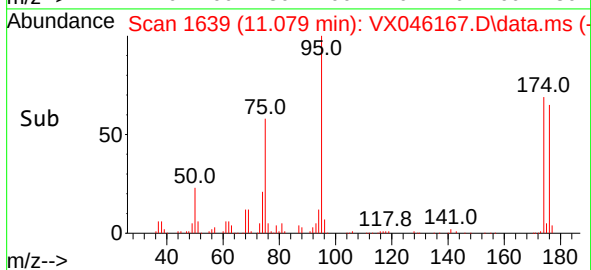
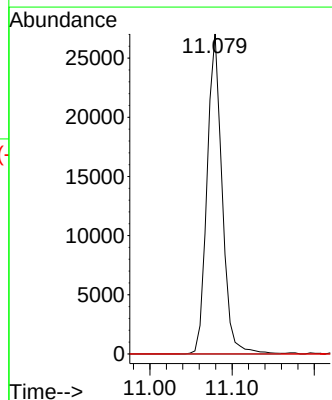
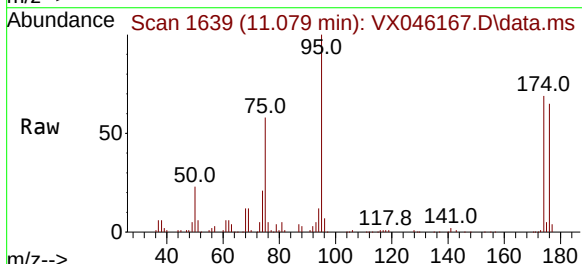
Instrument :
MSVOA_X
ClientSampleId :
IBLK

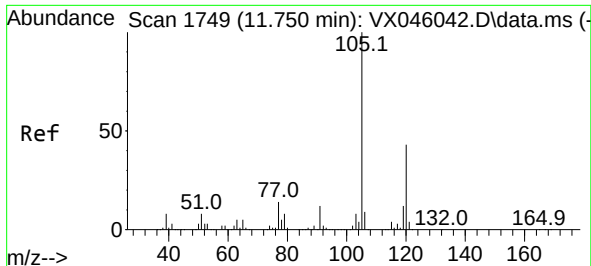
Tgt Ion: 75 Resp: 34344
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.871 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion: 75 Resp: 34344
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

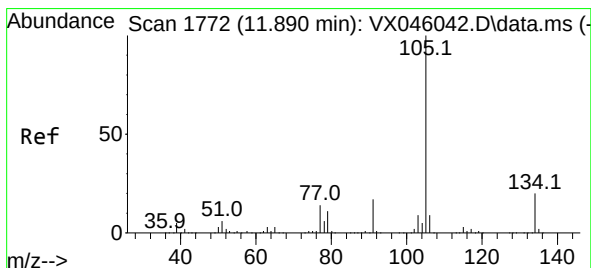
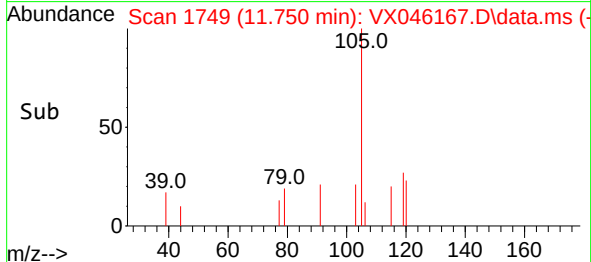
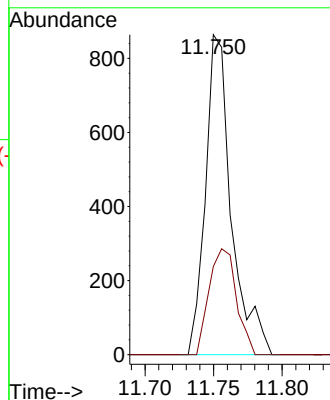
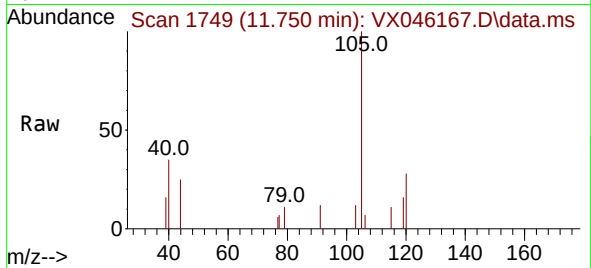




#84
1,2,4-Trimethylbenzene
Concen: 0.345 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

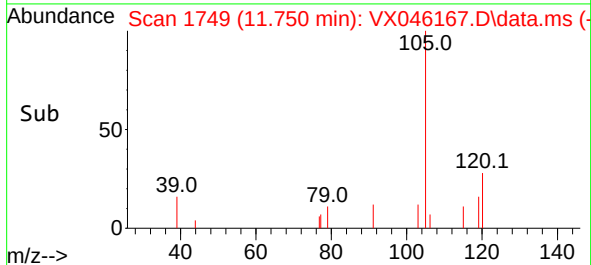
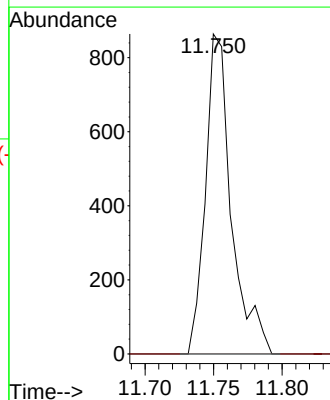
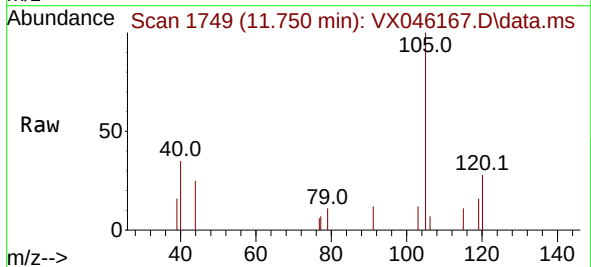
Instrument :
MSVOA_X
ClientSampleId :
IBLK

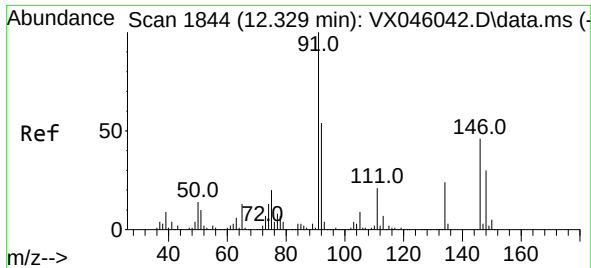
Tgt Ion:105 Resp: 1135
Ion Ratio Lower Upper
105 100
120 34.9 21.2 63.6



#85
sec-Butylbenzene
Concen: 0.282 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX046167.D
Acq: 13 May 2025 15:35

Tgt Ion:105 Resp: 1135
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#89

n-Butylbenzene

Concen: 0.298 ug/l

RT: 12.244 min Scan# 1830

Delta R.T. -0.085 min

Lab File: VX046167.D

Acq: 13 May 2025 15:35

Instrument :

MSVOA_X

ClientSampleId :

IBLK

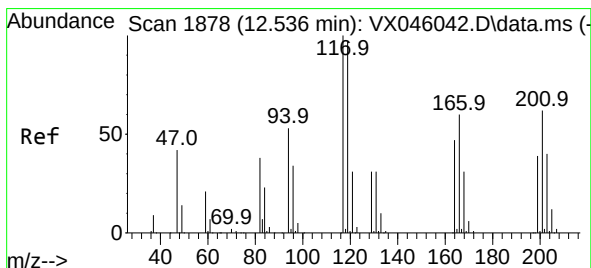
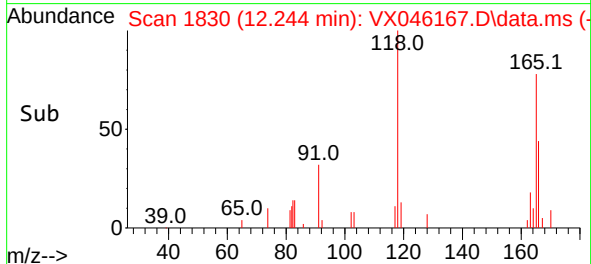
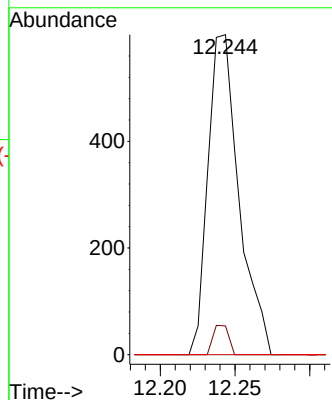
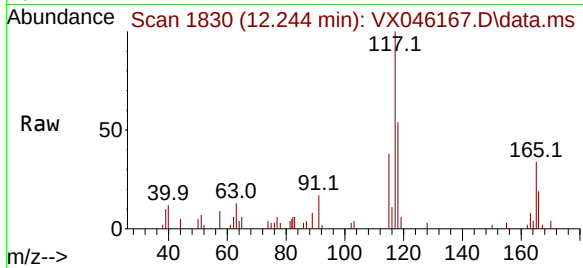
Tgt Ion: 91 Resp: 867

Ion Ratio Lower Upper

91 100

92 4.6 26.9 80.7#

134 0.0 11.8 35.3#



#90

Hexachloroethane

Concen: 1.119 ug/l

RT: 12.414 min Scan# 1858

Delta R.T. -0.122 min

Lab File: VX046167.D

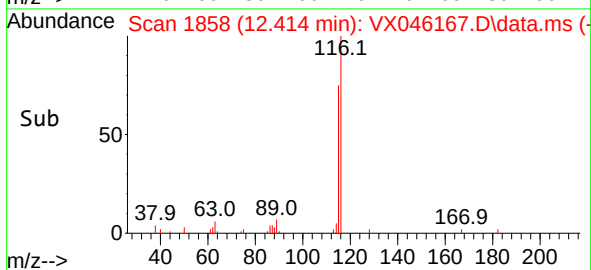
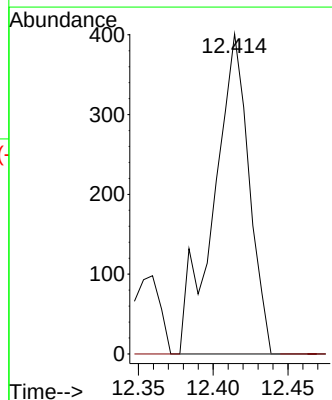
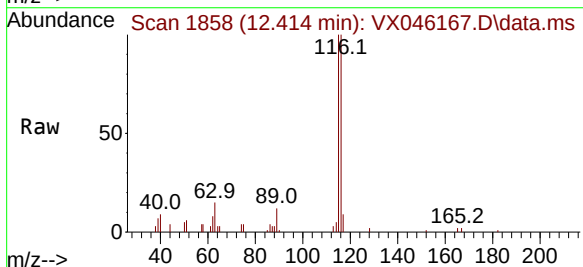
Acq: 13 May 2025 15:35

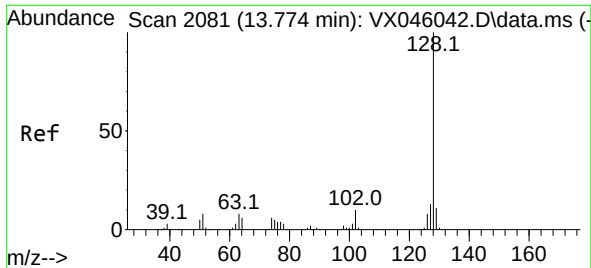
Tgt Ion: 117 Resp: 655

Ion Ratio Lower Upper

117 100

201 0.0 31.6 94.7#





#95

Naphthalene

Concen: 59.649 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046167.D

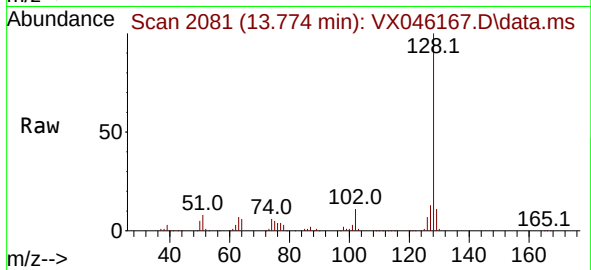
Acq: 13 May 2025 15:35

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:128 Resp: 208043

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.1 8.6 13.0

