

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046083.D
 Acq On : 08 May 2025 12:08
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 09 01:56:07 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)

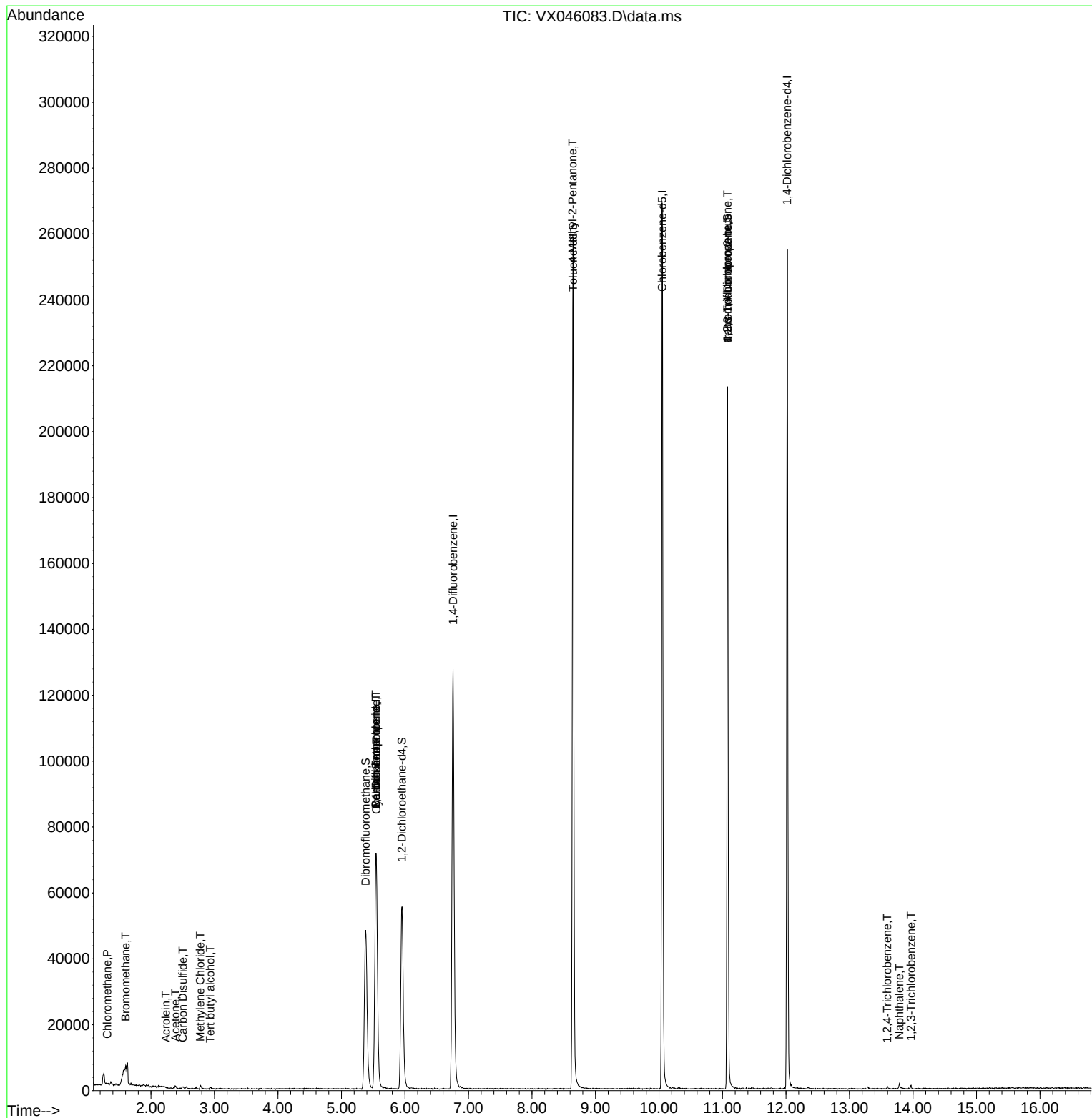
Internal Standards						
1) Pentafluorobenzene	5.544	168	61849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	110506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58431	50.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.340%			
35) Dibromofluoromethane	5.379	113	42738	49.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.080%			
50) Toluene-d8	8.647	98	148087	49.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.200%			
62) 4-Bromofluorobenzene	11.079	95	56076	48.959	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.920%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	546	0.595	ug/l	94
5) Bromomethane	1.599	94	146	0.368	ug/l #	4
11) Tert butyl alcohol	2.935	59	127	0.785	ug/l #	72
13) Acrolein	2.233	56	46	0.250	ug/l #	15
16) Acetone	2.386	43	909	1.966	ug/l #	82
17) Carbon Disulfide	2.502	76	641	0.369	ug/l #	76
20) Methylene Chloride	2.776	84	416	0.470	ug/l #	80
31) Cyclohexane	5.550	56	1758	1.279	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	6155	5.310	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7309	5.612	ug/l #	16
51) 4-Methyl-2-Pentanone	8.641	43	971	0.670	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	32200	29.381	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32200	95.655	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	307	0.355	ug/l #	69
95) Naphthalene	13.786	128	1731	0.545	ug/l #	81
96) 1,2,3-Trichlorobenzene	13.969	180	333	0.373	ug/l	98

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

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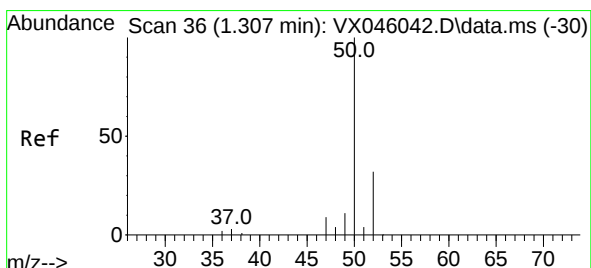
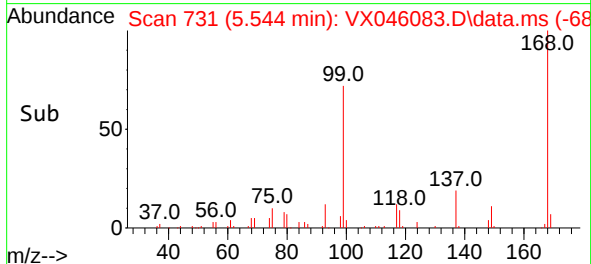
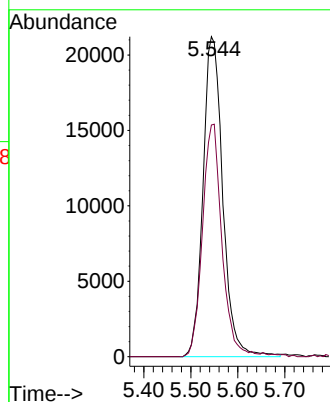
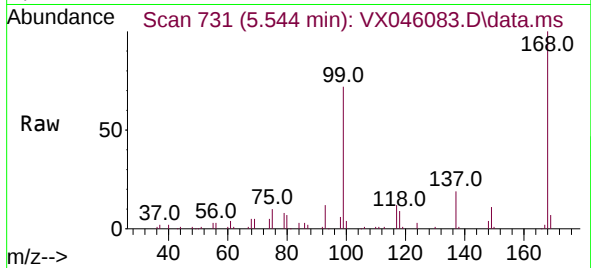




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

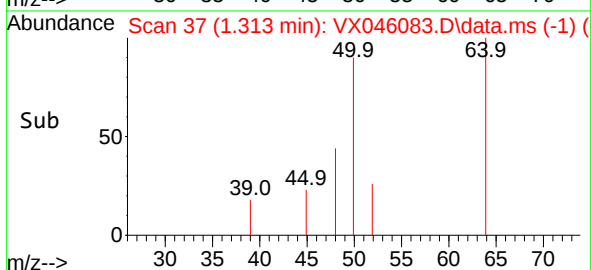
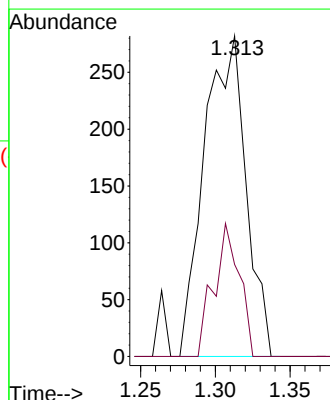
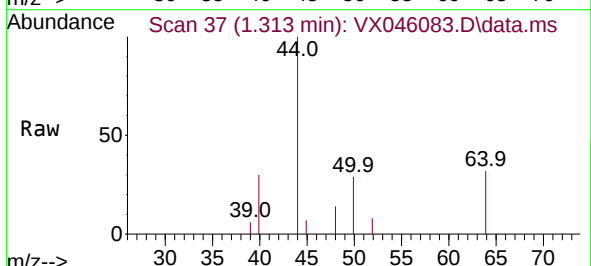
Instrument :
MSVOA_X
ClientSampleId :
IBLK

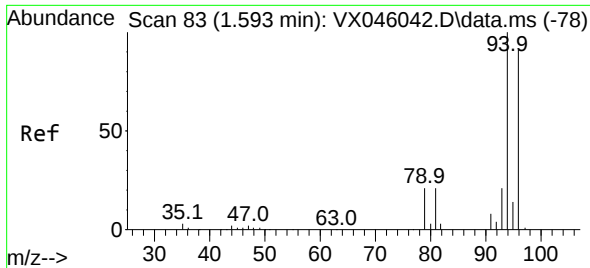
Tgt Ion:168 Resp: 61849
Ion Ratio Lower Upper
168 100
99 72.4 54.9 82.3



#3
Chloromethane
Concen: 0.595 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion: 50 Resp: 546
Ion Ratio Lower Upper
50 100
52 28.7 25.4 38.2

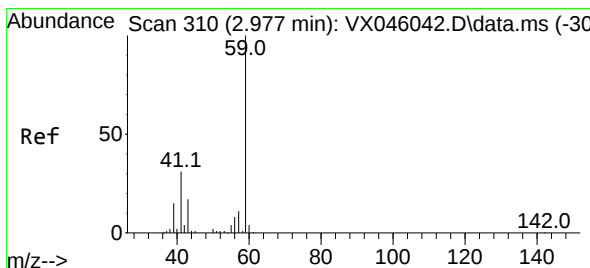
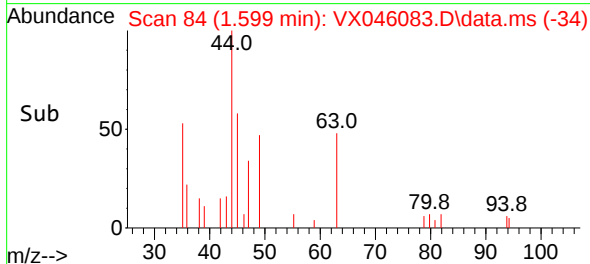
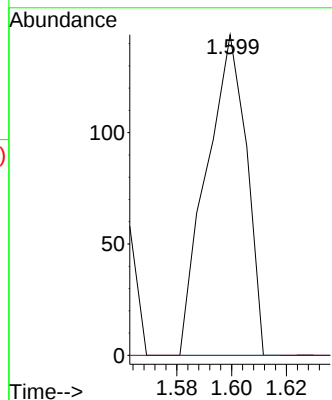
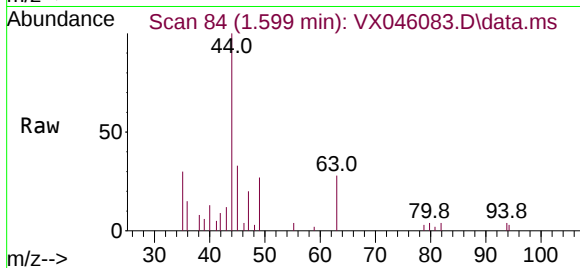




#5
Bromomethane
Concen: 0.368 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

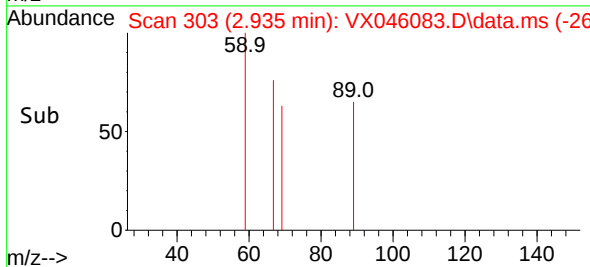
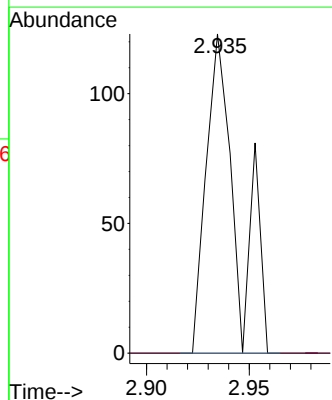
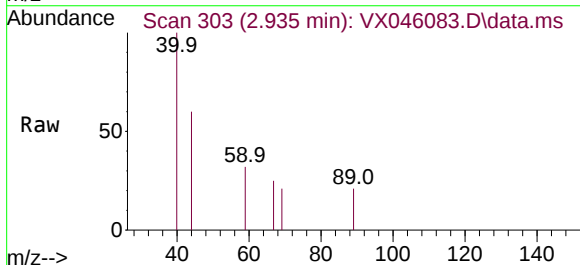
Instrument :
MSVOA_X
ClientSampleId :
IBLK

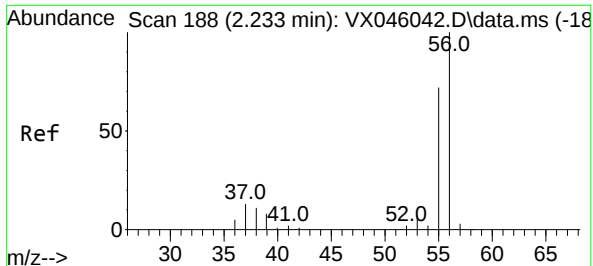
Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#11
Tert butyl alcohol
Concen: 0.785 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.250 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046083.D

Acq: 08 May 2025 12:08

Instrument :

MSVOA_X

ClientSampleId :

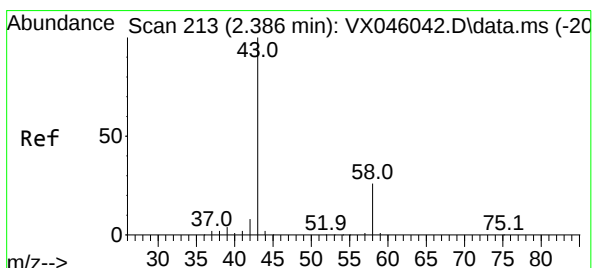
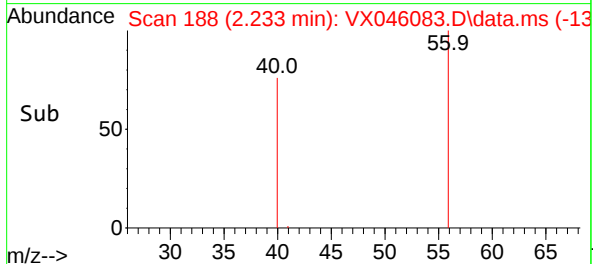
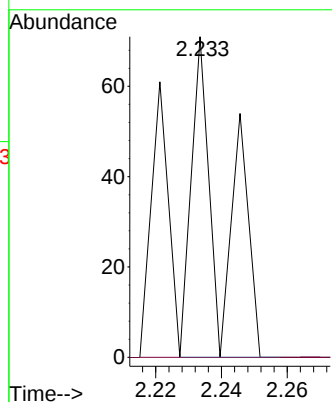
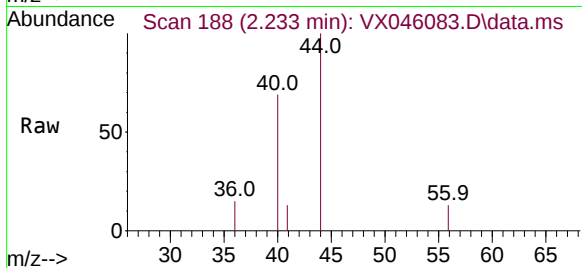
IBLK

Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 1.966 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX046083.D

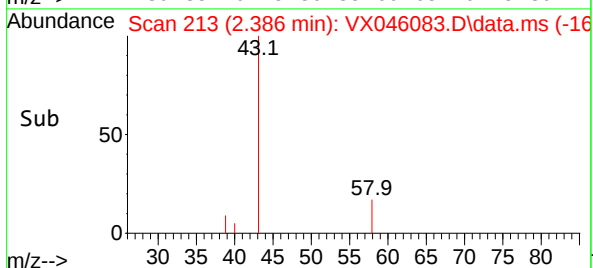
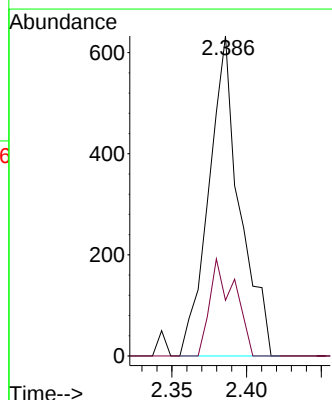
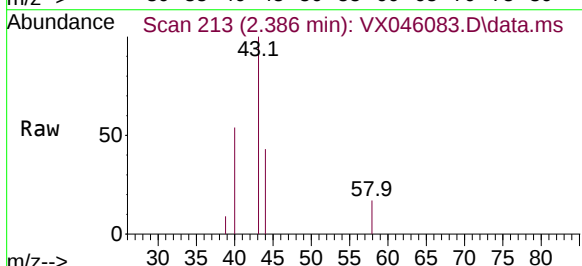
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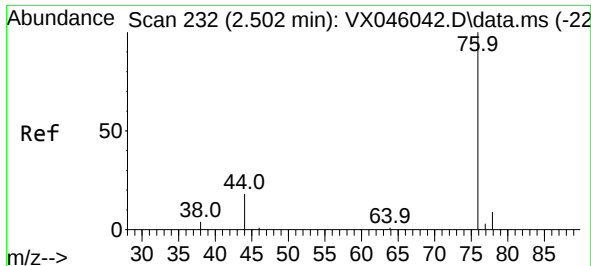
Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

58 17.4 21.2 31.8#





#17

Carbon Disulfide

Concen: 0.369 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046083.D

Acq: 08 May 2025 12:08

Instrument :

MSVOA_X

ClientSampleId :

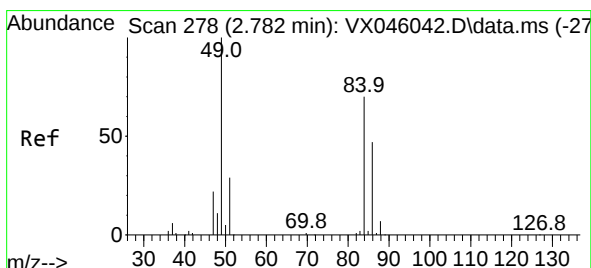
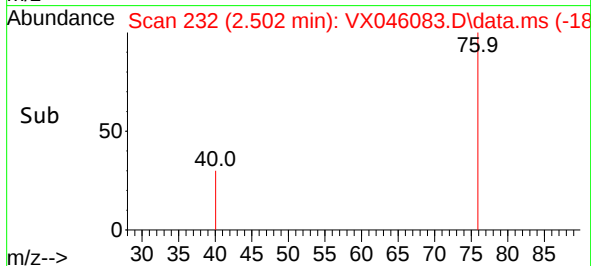
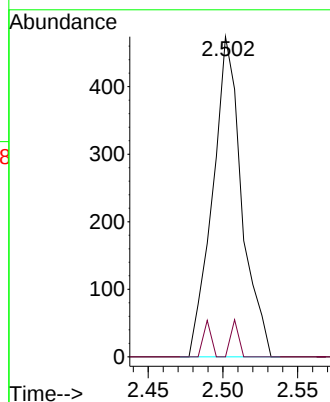
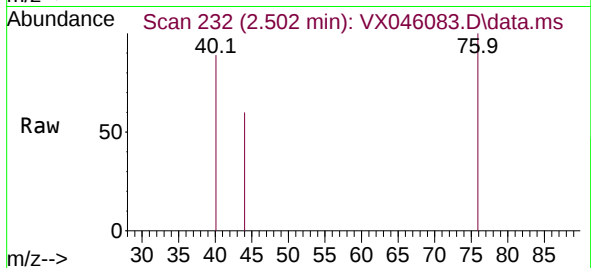
IBLK

Tgt Ion: 76 Resp: 641

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#20

Methylene Chloride

Concen: 0.470 ug/l

RT: 2.776 min Scan# 277

Delta R.T. -0.006 min

Lab File: VX046083.D

Acq: 08 May 2025 12:08

Tgt Ion: 84 Resp: 416

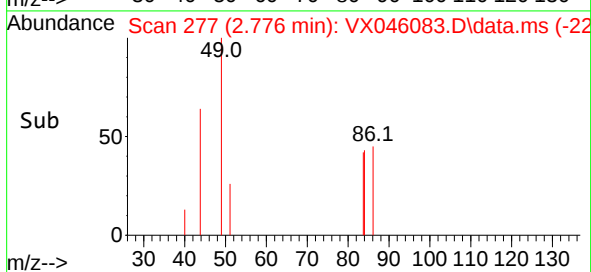
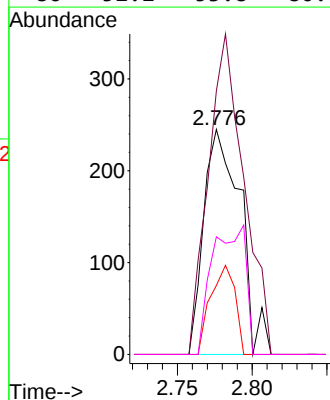
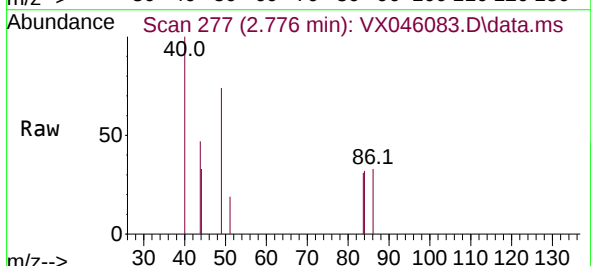
Ion Ratio Lower Upper

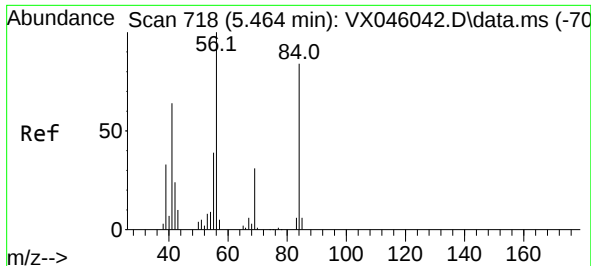
84 100

49 117.1 113.9 170.9

51 30.6 33.5 50.3#

86 52.2 53.8 80.8#

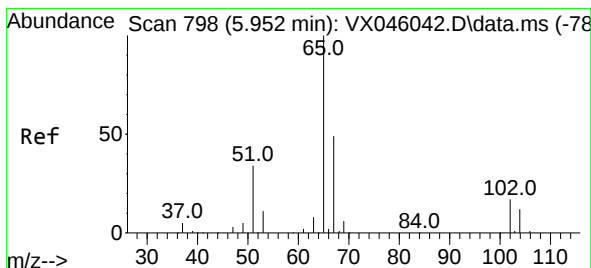
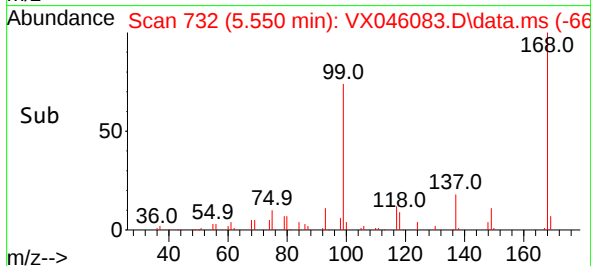
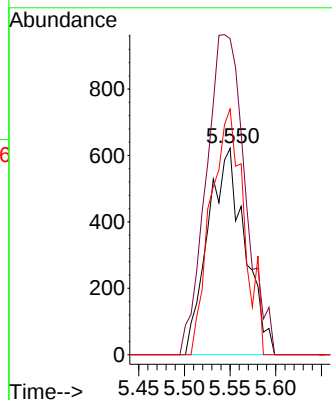
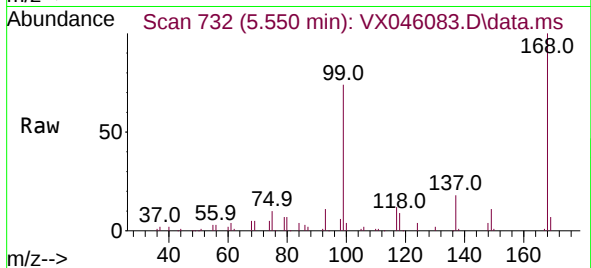




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

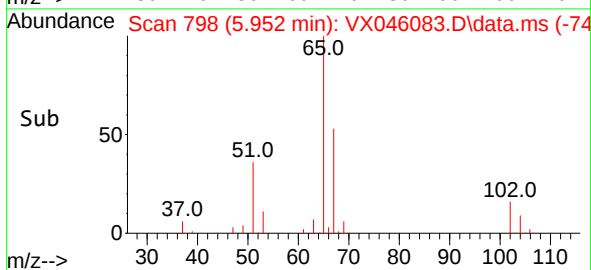
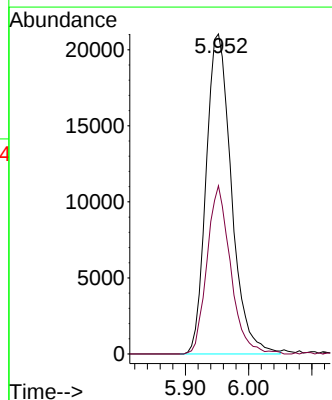
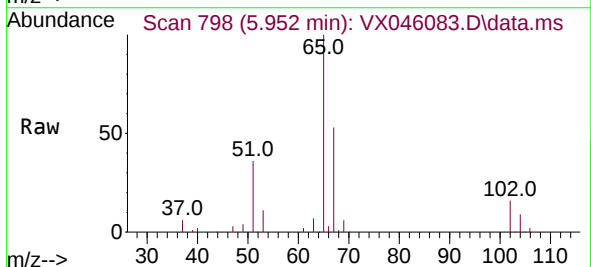
Instrument :
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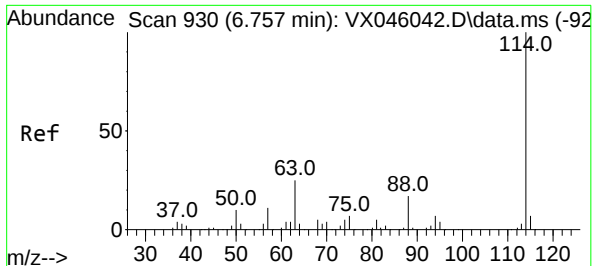
Tgt Ion: 56 Resp: 1758
Ion Ratio Lower Upper
56 100
69 153.1 24.4 36.6#
84 119.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.675 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion: 65 Resp: 58431
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

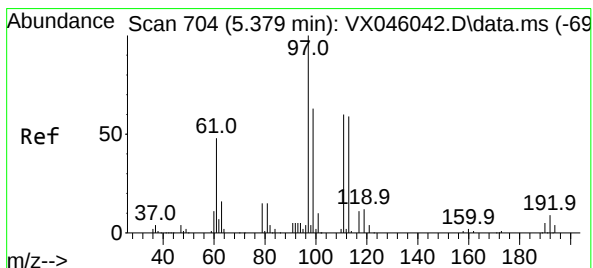
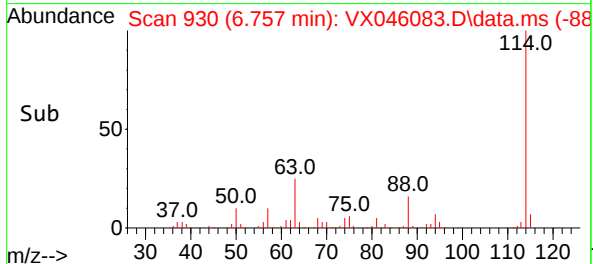
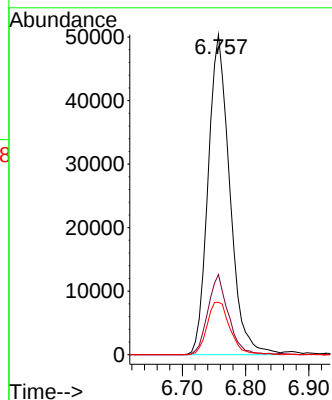
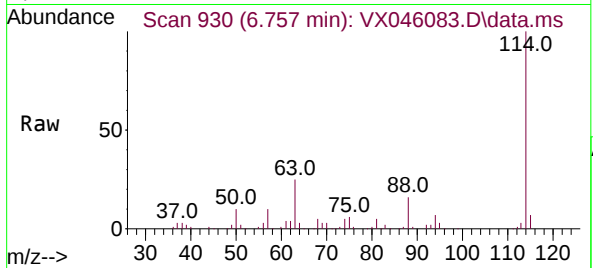




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

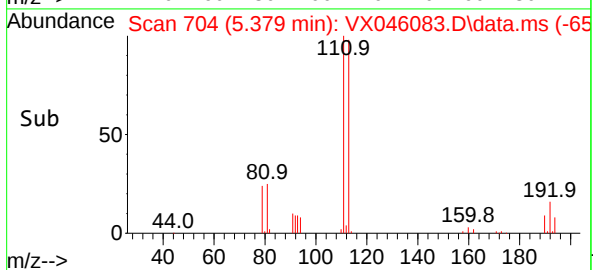
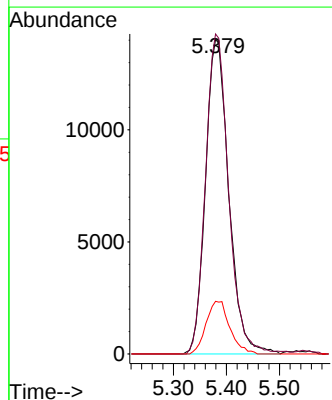
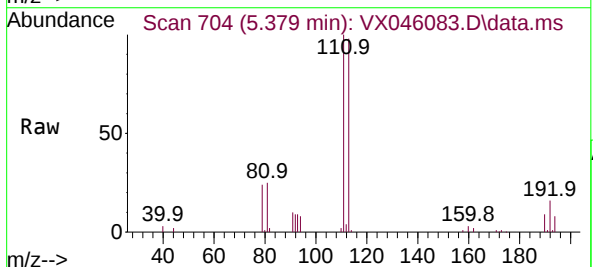
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Tgt Ion:114 Resp: 119802
Ion Ratio Lower Upper
114 100
63 25.1 0.0 49.2
88 16.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.540 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion:113 Resp: 42738
Ion Ratio Lower Upper
113 100
111 100.7 83.1 124.7
192 17.1 13.3 19.9

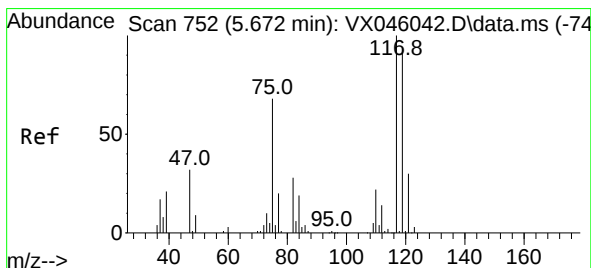
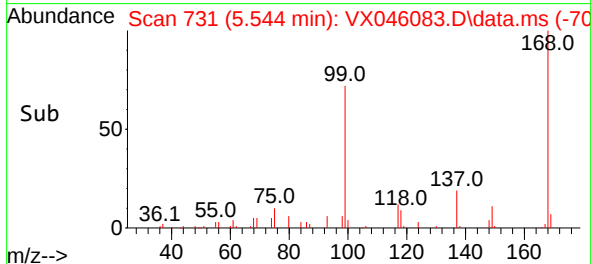
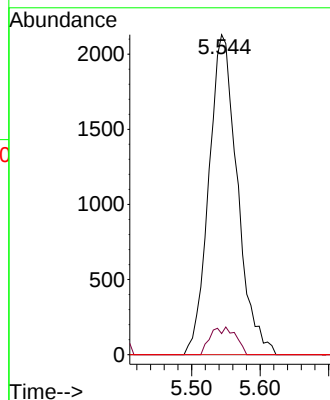
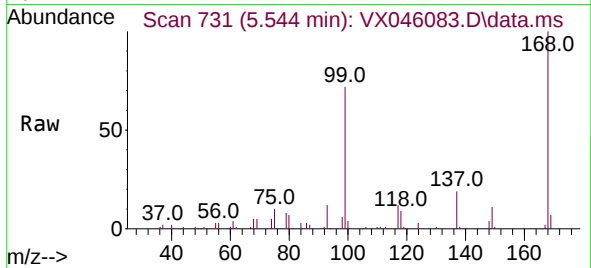




#36
1,1-Dichloropropene
Concen: 5.310 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

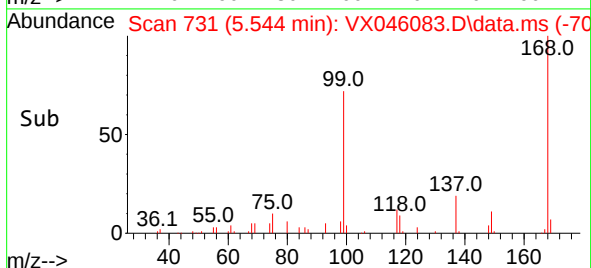
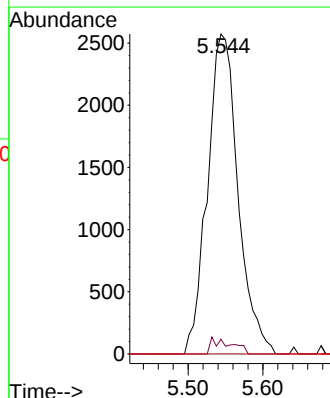
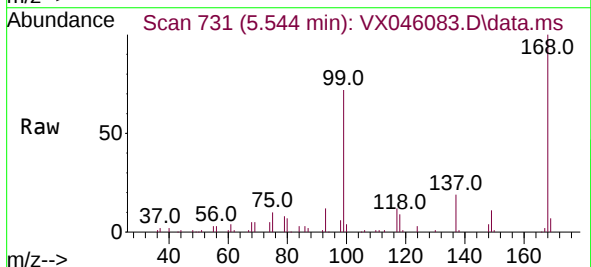
Instrument :
MSVOA_X
ClientSampleId :
IBLK

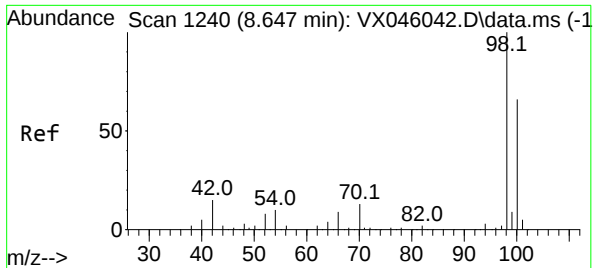
Tgt Ion: 75 Resp: 6155
Ion Ratio Lower Upper
75 100
110 3.9 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.612 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion: 117 Resp: 7309
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 24.2 36.4#

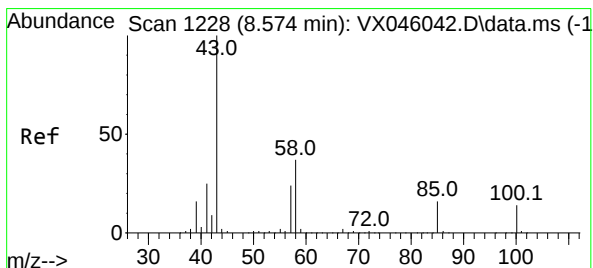
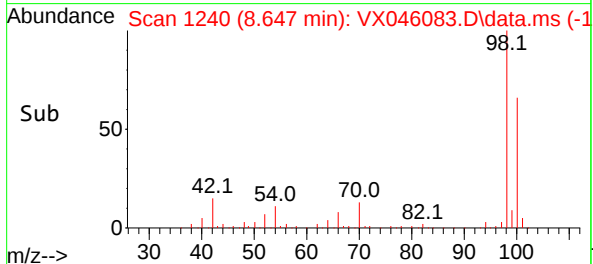
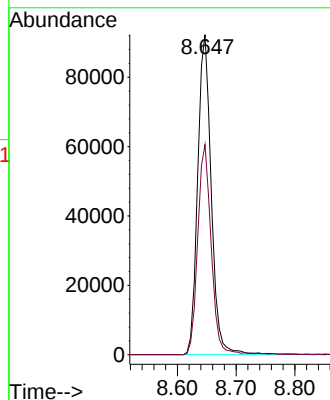
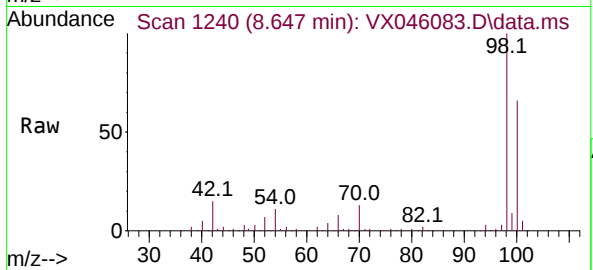




#50
Toluene-d8
Concen: 49.595 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

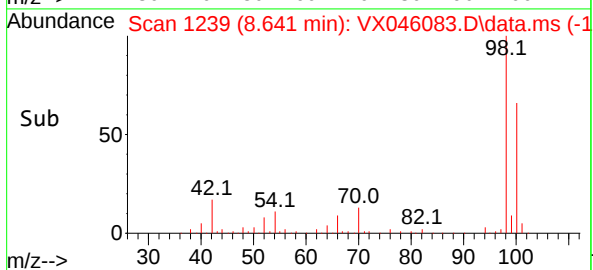
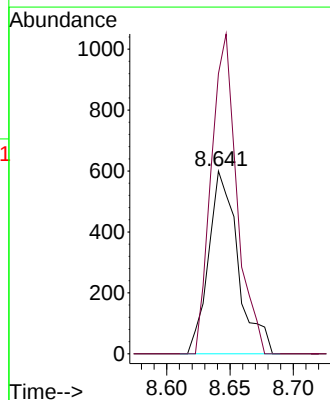
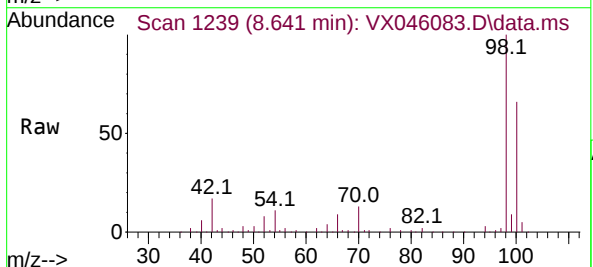
Instrument :
MSVOA_X
ClientSampleId :
IBLK

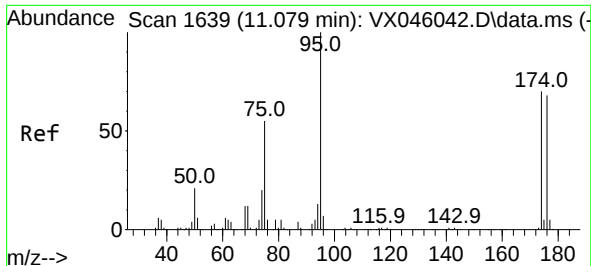
Tgt Ion: 98 Resp: 148087
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.670 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
58 152.1 28.9 43.3#

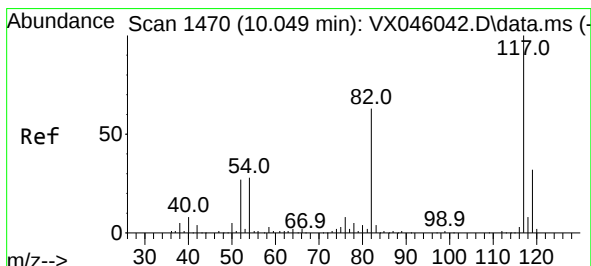
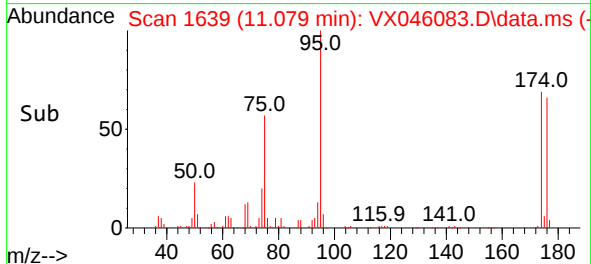
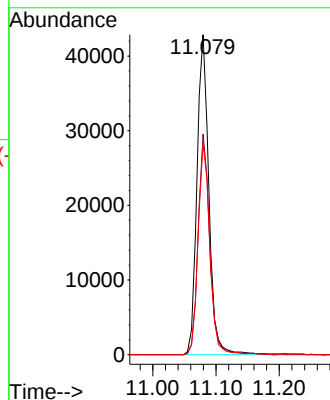
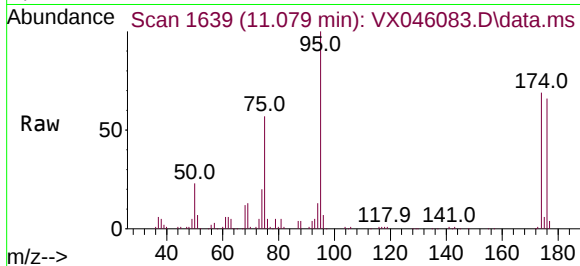




#62
4-Bromofluorobenzene
Concen: 48.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

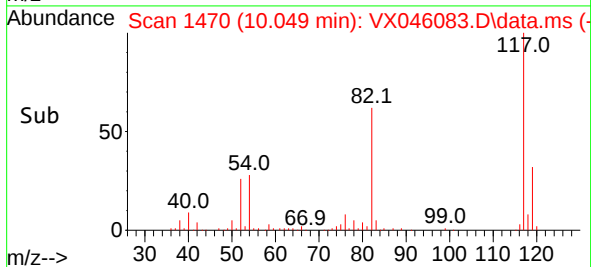
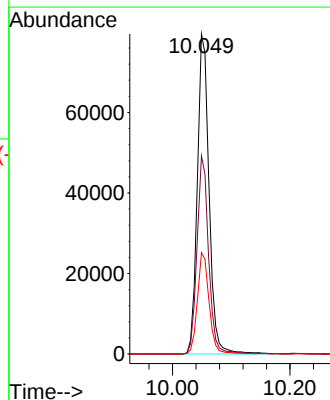
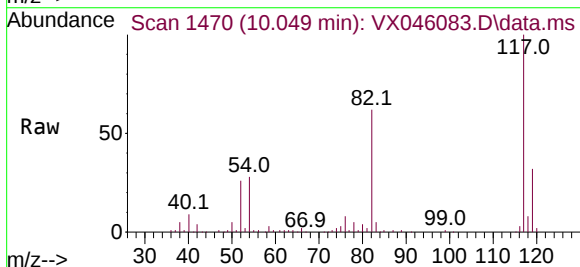
Instrument :
MSVOA_X
ClientSampleId :
IBLK

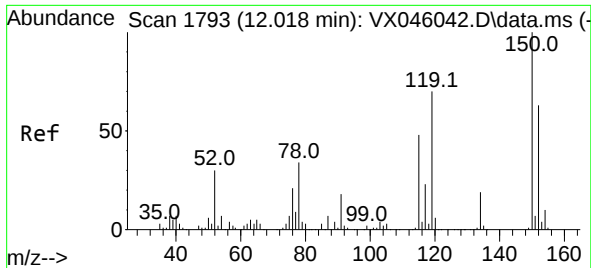
Tgt Ion: 95 Resp: 56076
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 65.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion: 117 Resp: 110506
Ion Ratio Lower Upper
117 100
82 61.9 50.6 76.0
119 31.7 25.8 38.6

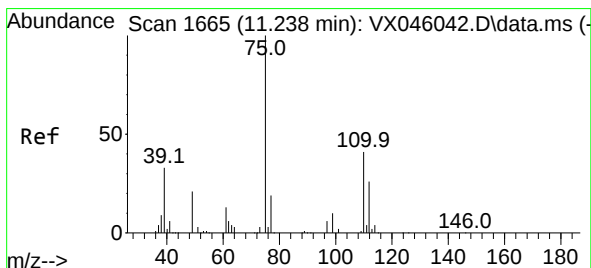
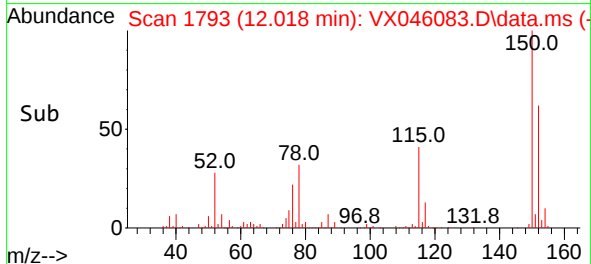
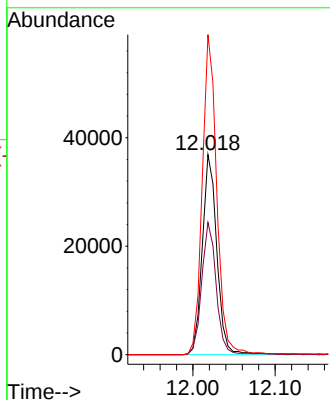
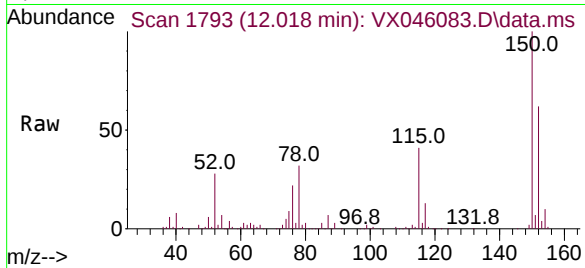




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046083.D
 Acq: 08 May 2025 12:08

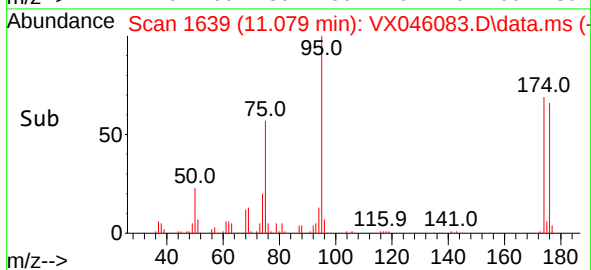
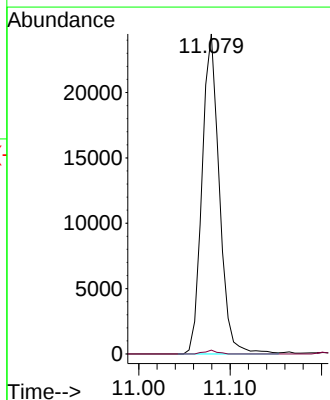
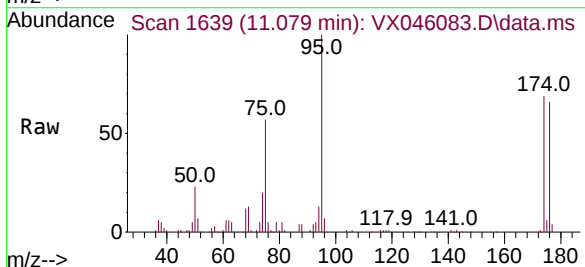
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

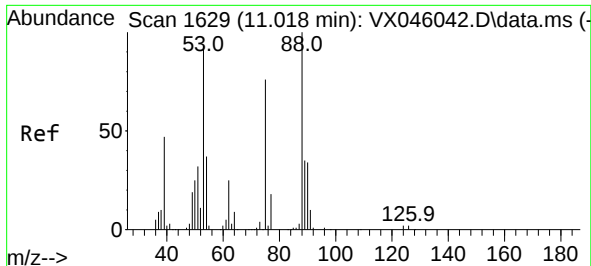
Tgt Ion:152 Resp: 45531
 Ion Ratio Lower Upper
 152 100
 115 66.4 46.9 140.7
 150 159.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.381 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX046083.D
 Acq: 08 May 2025 12:08

Tgt Ion: 75 Resp: 32200
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.5 61.5#

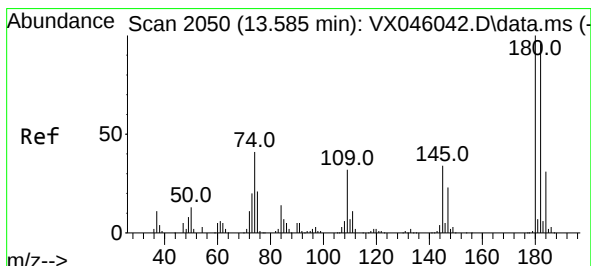
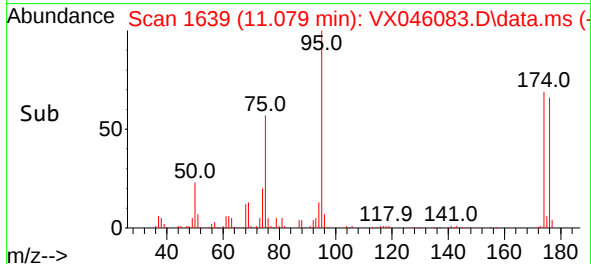
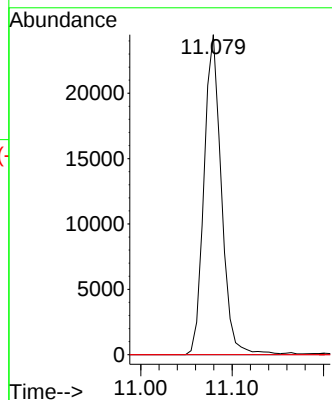
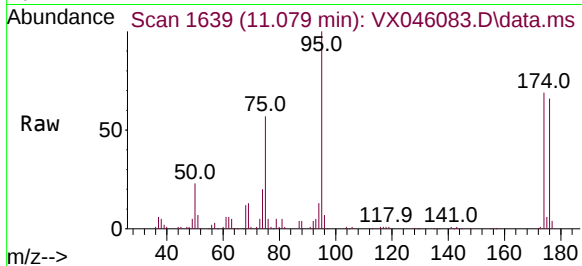




#81
trans-1,4-Dichloro-2-butene
Concen: 95.655 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

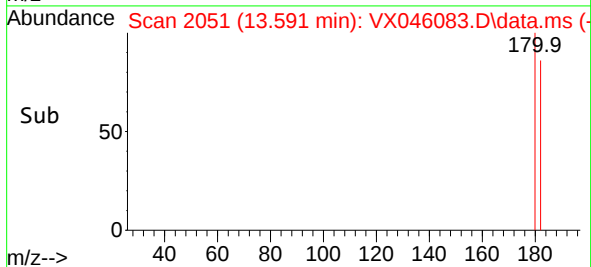
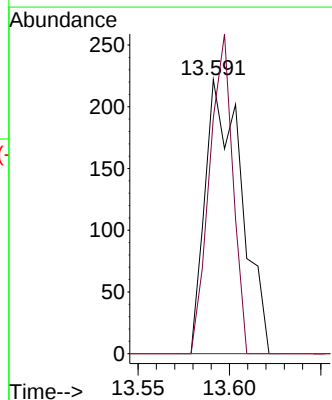
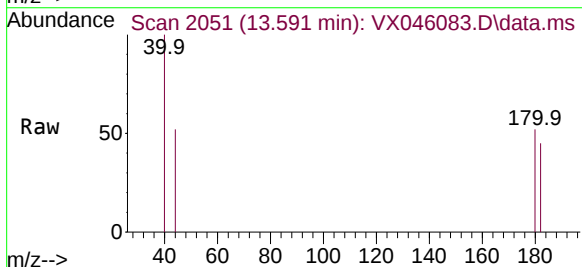
Instrument :
MSVOA_X
ClientSampleId :
IBLK

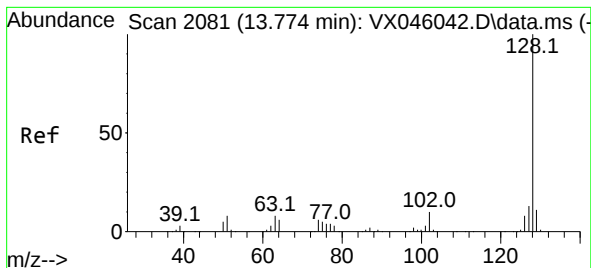
Tgt Ion: 75 Resp: 32200
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.355 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046083.D
Acq: 08 May 2025 12:08

Tgt Ion:180 Resp: 307
Ion Ratio Lower Upper
180 100
182 74.9 47.9 143.8
145 0.0 17.1 51.2#





#95

Naphthalene

Concen: 0.545 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX046083.D

Acq: 08 May 2025 12:08

Instrument :

MSVOA_X

ClientSampleId :

IBLK

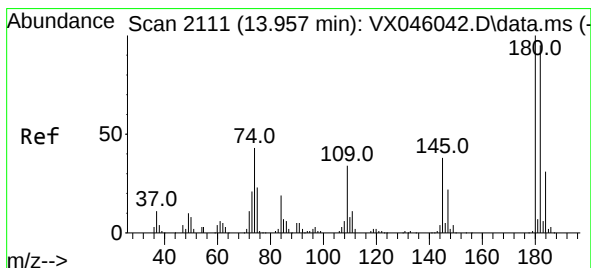
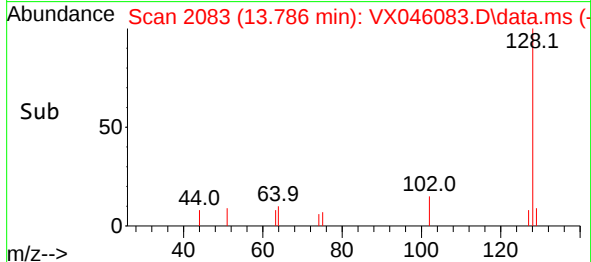
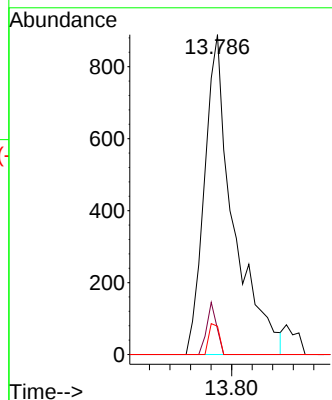
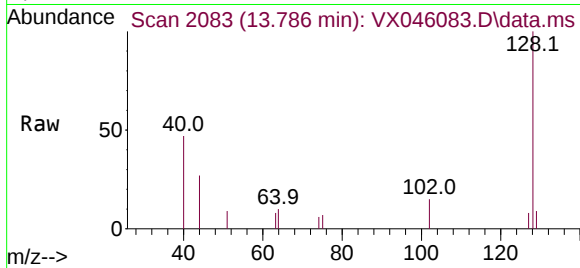
Tgt Ion:128 Resp: 1731

Ion Ratio Lower Upper

128 100

127 5.7 10.4 15.6#

129 3.5 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.373 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX046083.D

Acq: 08 May 2025 12:08

Tgt Ion:180 Resp: 333

Ion Ratio Lower Upper

180 100

182 97.9 47.8 143.3

145 37.5 18.1 54.3

