

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048730.D
 Acq On : 05 Dec 2025 13:10
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 05 22:03:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

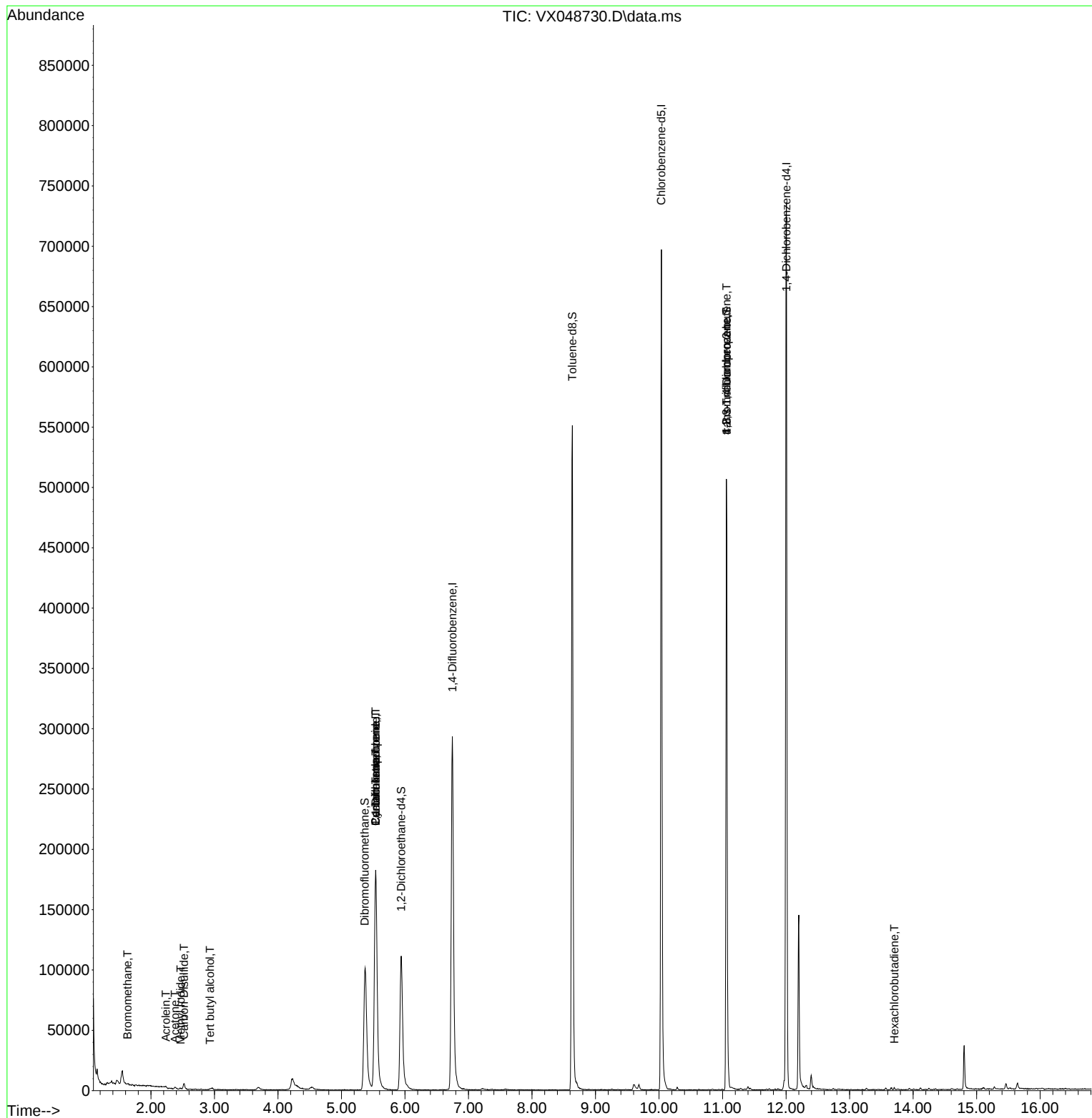
Internal Standards						
1) Pentafluorobenzene	5.538	168	201739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	346458	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	342813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	172458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	122862	45.375	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.740%		
35) Dibromofluoromethane	5.367	113	103817	43.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.040%		
50) Toluene-d8	8.635	98	367436	43.942	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.880%#		
62) 4-Bromofluorobenzene	11.061	95	143576	49.793	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.580%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	420	0.246	ug/l #	75
10) Methyl Iodide	2.465	142	1264	0.387	ug/l #	85
11) Tert butyl alcohol	2.928	59	118	0.270	ug/l #	73
13) Acrolein	2.233	56	608	41.386	ug/l #	34
16) Acetone	2.380	43	2674	2.580	ug/l	92
17) Carbon Disulfide	2.520	76	6648	0.977	ug/l #	95
31) Cyclohexane	5.538	56	3556	0.972	ug/l #	5
36) 1,1-Dichloropropene	5.538	75	14530	4.447	ug/l #	48
38) Carbon Tetrachloride	5.538	117	19763	5.340	ug/l #	13
76) 1,2,3-Trichloropropane	11.061	75	68948	21.465	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	68948	50.988	ug/l #	3
94) Hexachlorobutadiene	13.707	225	387	0.256	ug/l	97
95) Naphthalene	13.768	128	746	Below Cal	#	82

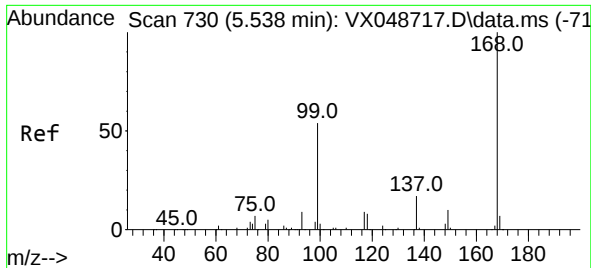
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
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Quant Time: Dec 05 22:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
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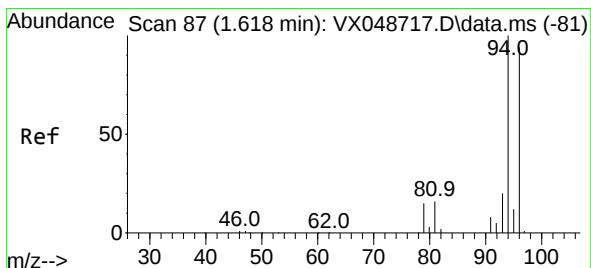
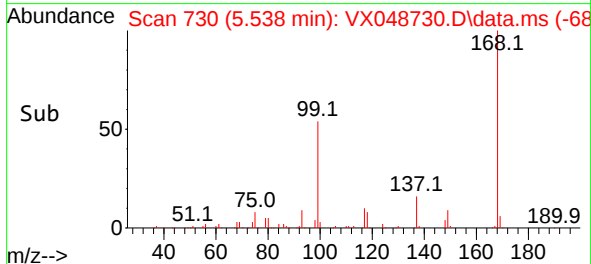
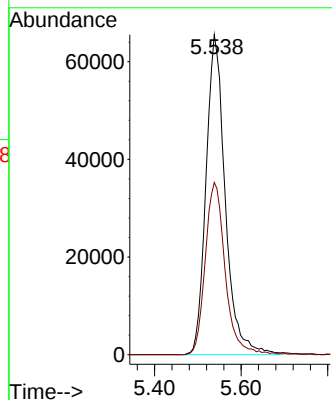
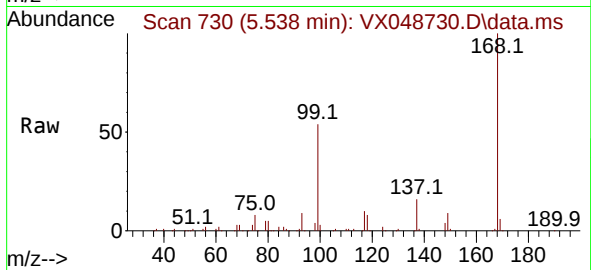




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

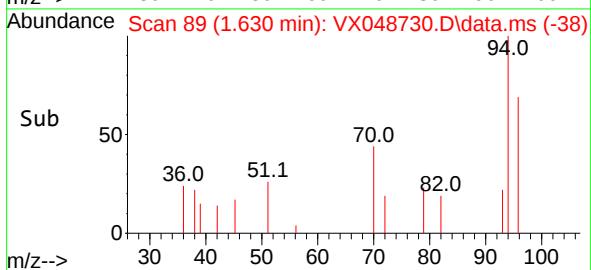
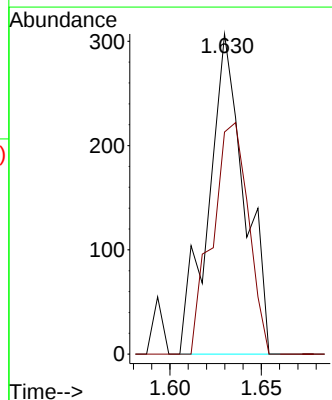
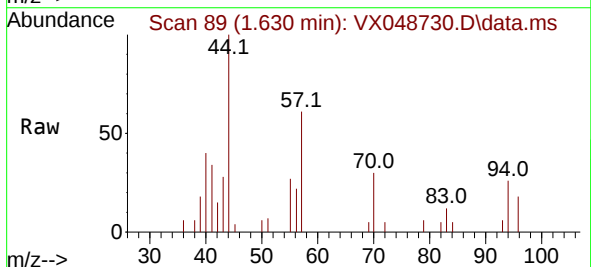
Instrument :
MSVOA_X
ClientSampleId :
IBLK

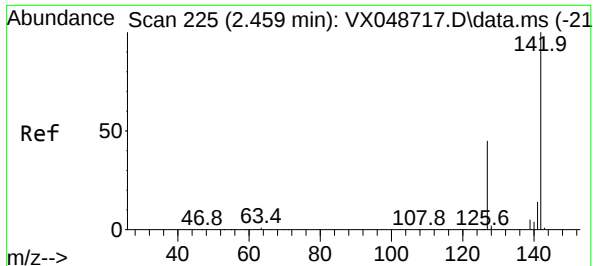
Tgt Ion:168 Resp: 201739
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#5
Bromomethane
Concen: 0.246 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

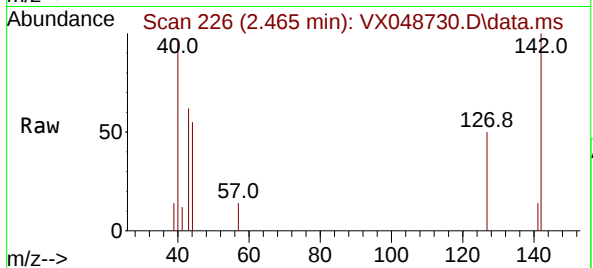
Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 69.4 75.2 112.8#



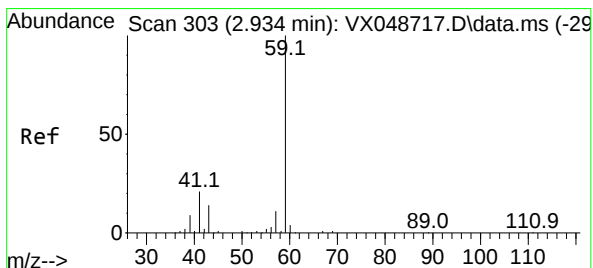
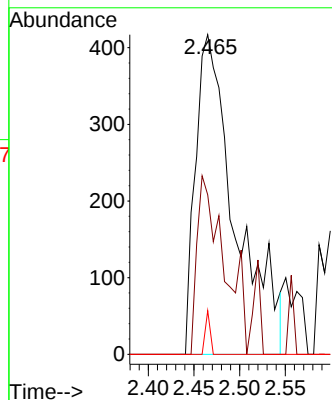
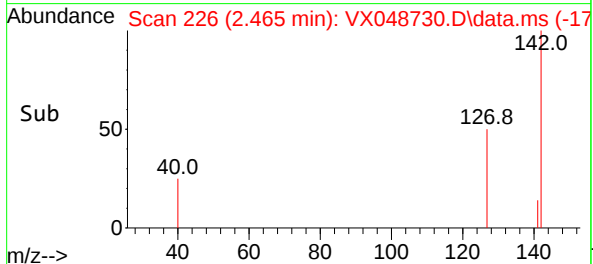


#10
Methyl Iodide
Concen: 0.387 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

Instrument :
MSVOA_X
ClientSampleId :
IBLK

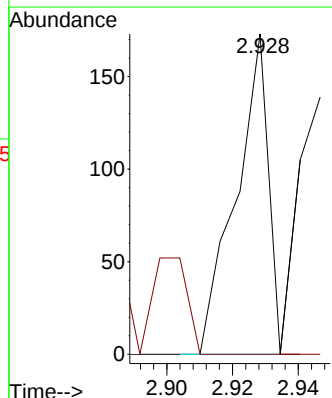
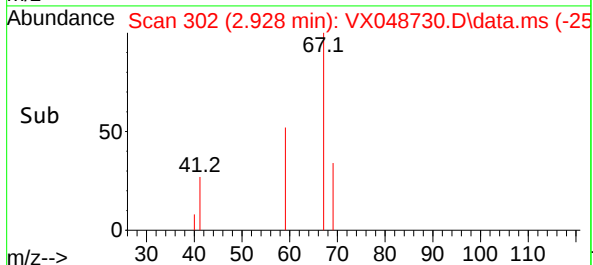
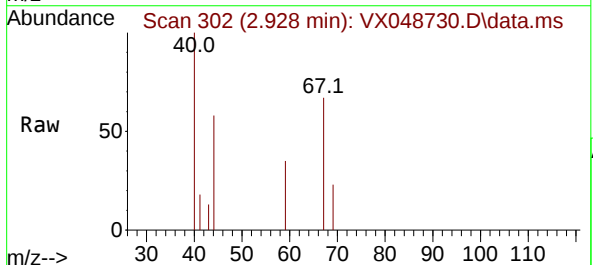


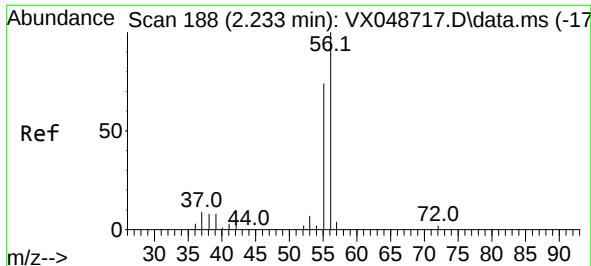
Tgt Ion:142 Resp: 1264
Ion Ratio Lower Upper
142 100
127 38.0 35.8 53.6
141 1.7 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.270 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.006 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

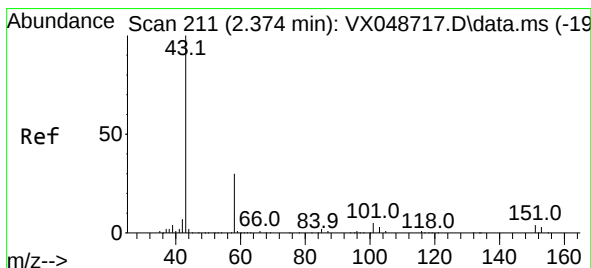
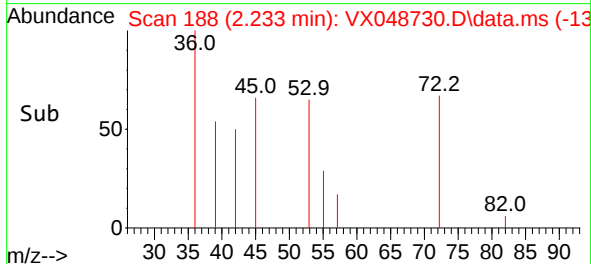
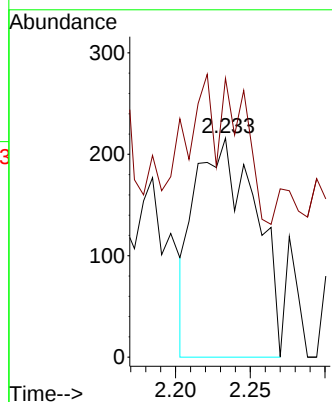
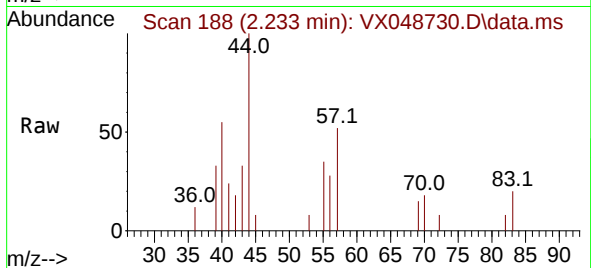




#13
Acrolein
Concen: 41.386 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

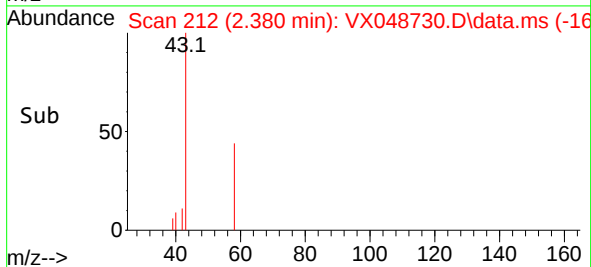
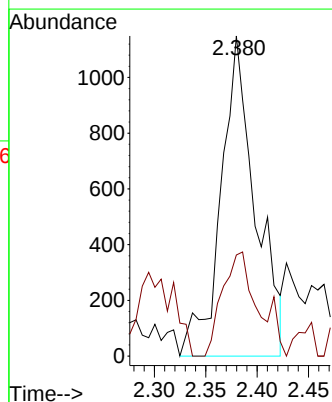
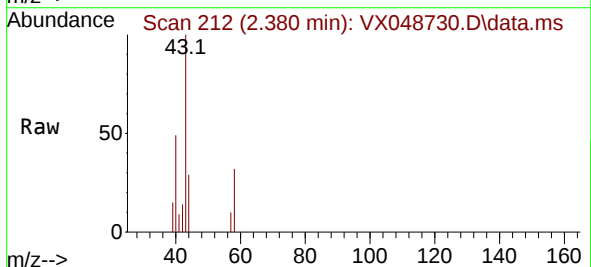
Instrument :
MSVOA_X
ClientSampleId :
IBLK

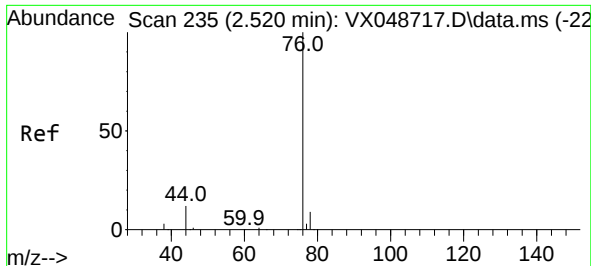
Tgt Ion: 56 Resp: 608
Ion Ratio Lower Upper
56 100
55 15.5 55.8 83.6#



#16
Acetone
Concen: 2.580 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

Tgt Ion: 43 Resp: 2674
Ion Ratio Lower Upper
43 100
58 27.0 25.0 37.4





#17

Carbon Disulfide

Concen: 0.977 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX048730.D

Acq: 05 Dec 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

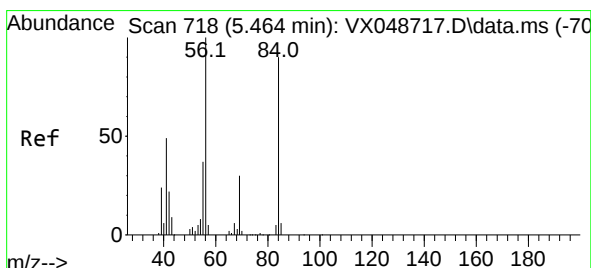
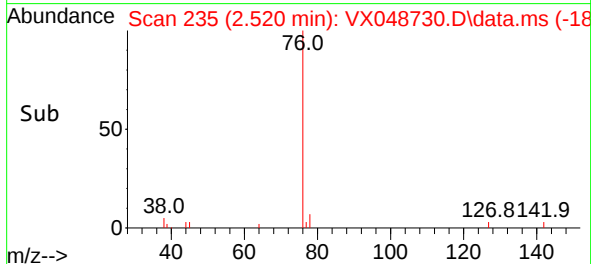
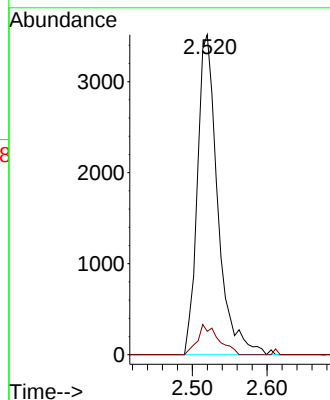
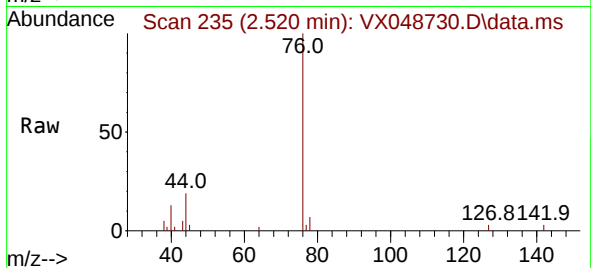
IBLK

Tgt Ion: 76 Resp: 6648

Ion Ratio Lower Upper

76 100

78 7.3 7.4 11.2#



#31

Cyclohexane

Concen: 0.972 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX048730.D

Acq: 05 Dec 2025 13:10

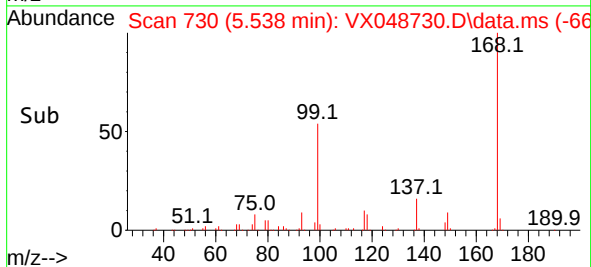
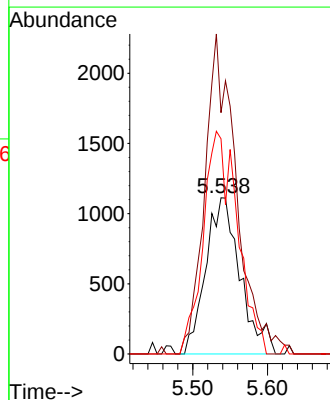
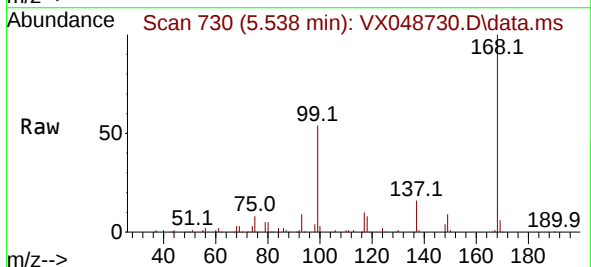
Tgt Ion: 56 Resp: 3556

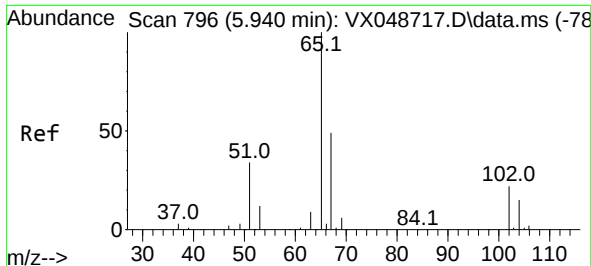
Ion Ratio Lower Upper

56 100

69 154.4 24.2 36.2#

84 137.8 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 45.375 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048730.D

Acq: 05 Dec 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

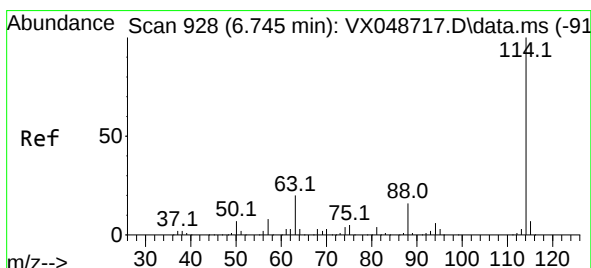
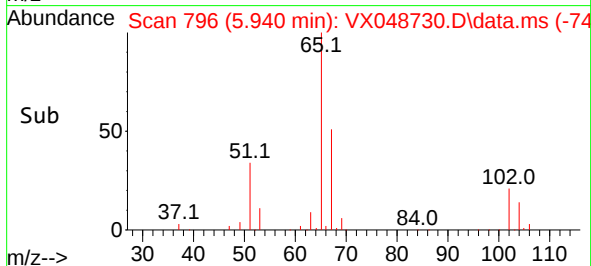
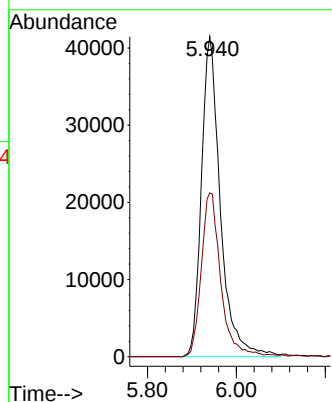
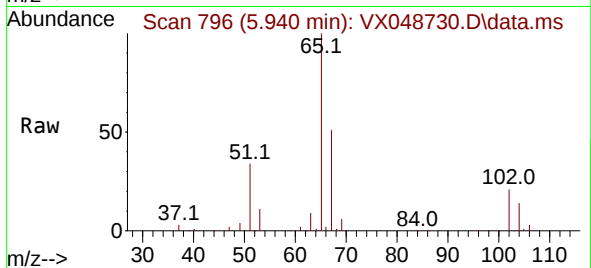
IBLK

Tgt Ion: 65 Resp: 122862

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048730.D

Acq: 05 Dec 2025 13:10

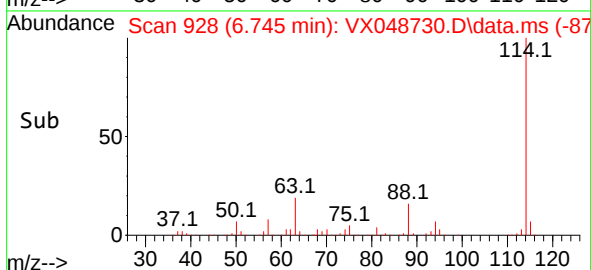
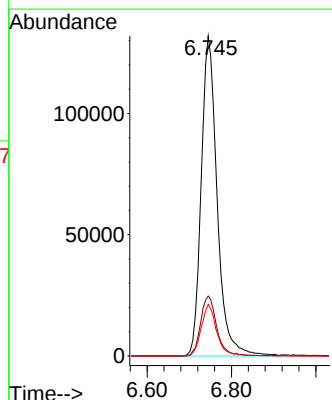
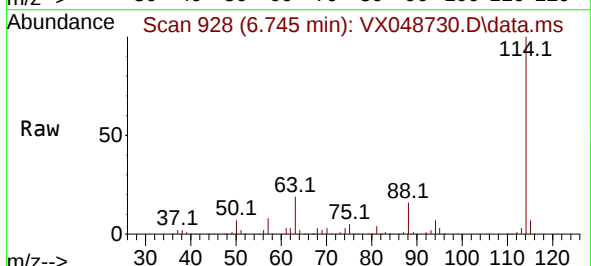
Tgt Ion: 114 Resp: 346458

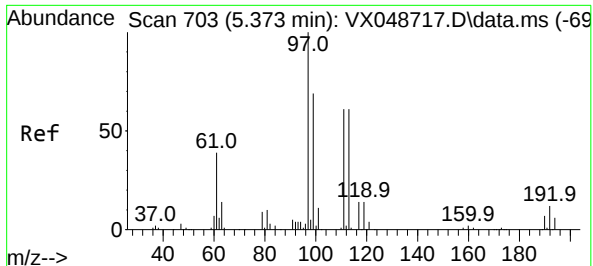
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.0

88 16.1 0.0 31.8

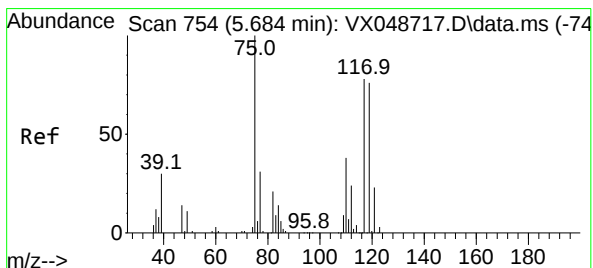
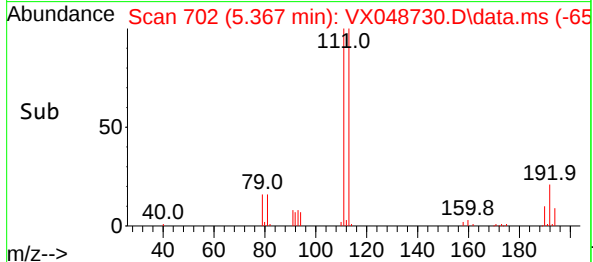
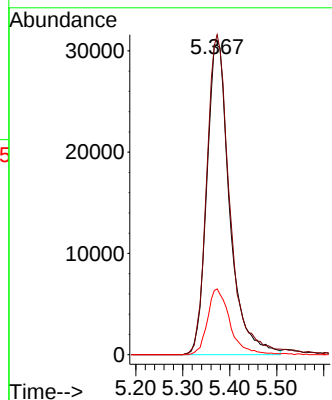
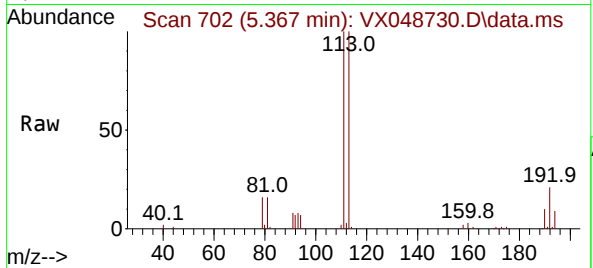




#35
Dibromofluoromethane
Concen: 43.520 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

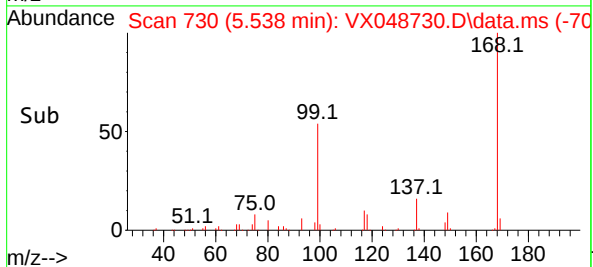
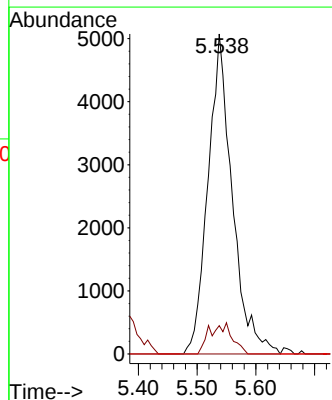
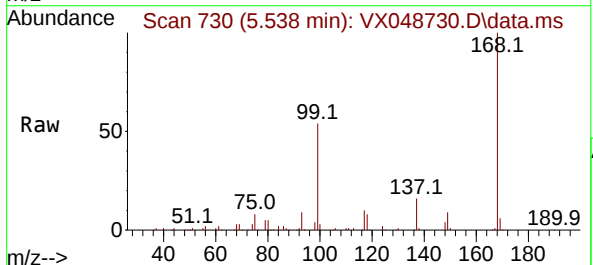
Instrument :
MSVOA_X
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IBLK

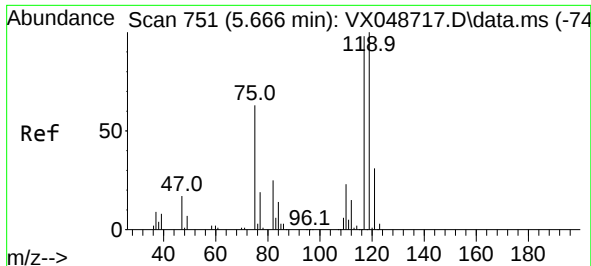
Tgt Ion:113 Resp: 103817
Ion Ratio Lower Upper
113 100
111 104.5 79.5 119.3
192 20.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

Tgt Ion: 75 Resp: 14530
Ion Ratio Lower Upper
75 100
110 9.1 18.6 55.8#
77 0.0 25.3 37.9#

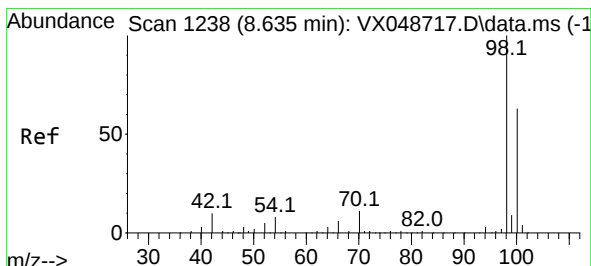
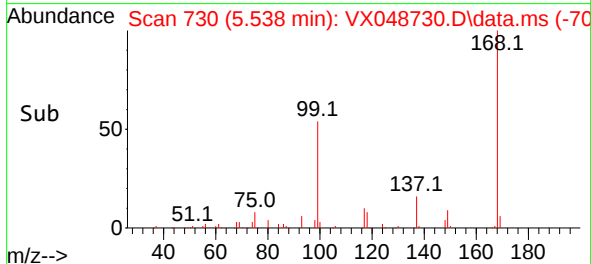
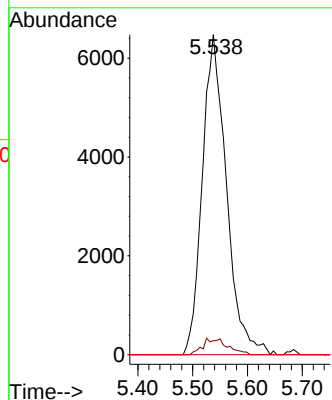
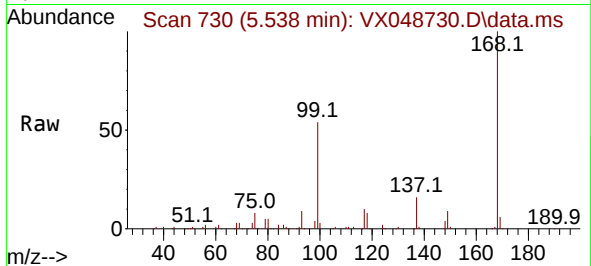




#38
Carbon Tetrachloride
Concen: 5.340 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

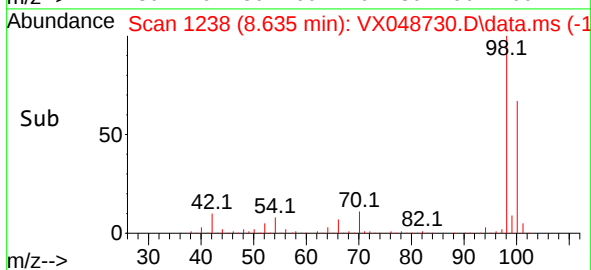
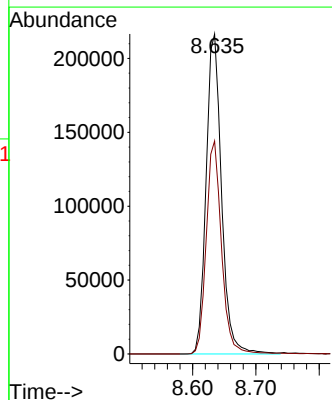
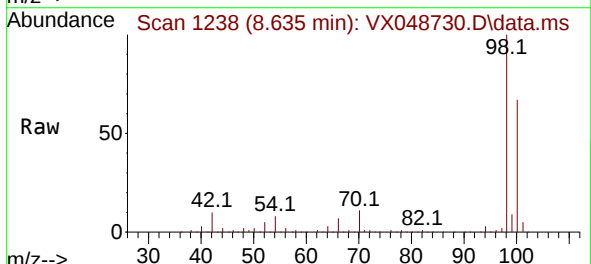
Instrument :
MSVOA_X
ClientSampleId :
IBLK

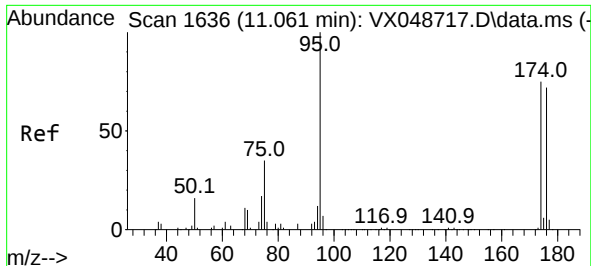
Tgt Ion:117 Resp: 19763
Ion Ratio Lower Upper
117 100
119 4.3 80.5 120.7#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 43.942 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

Tgt Ion: 98 Resp: 367436
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0

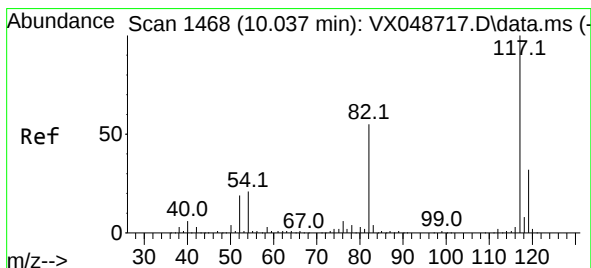
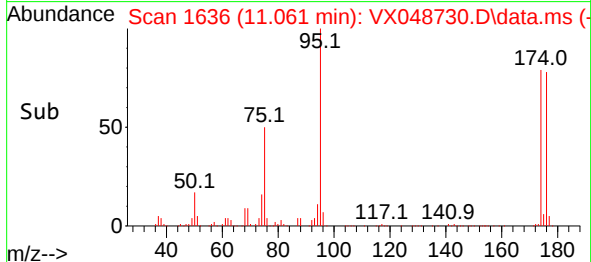
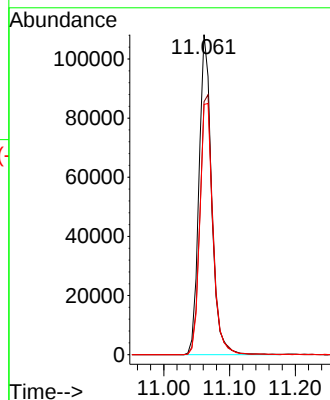
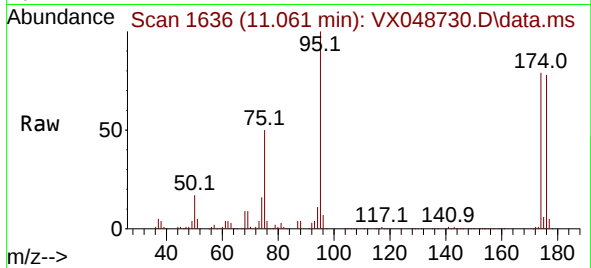




#62
4-Bromofluorobenzene
Concen: 49.793 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

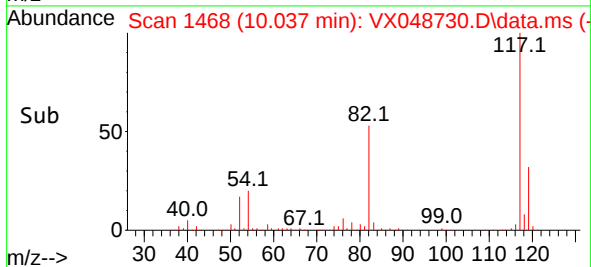
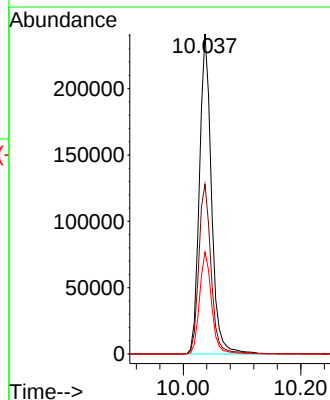
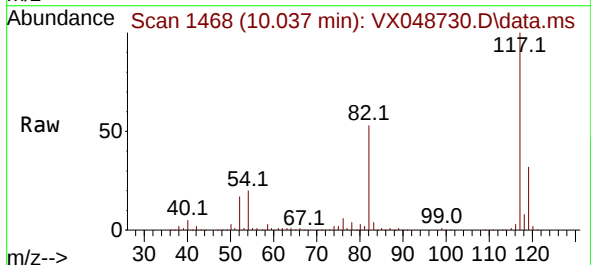
Instrument :
MSVOA_X
ClientSampleId :
IBLK

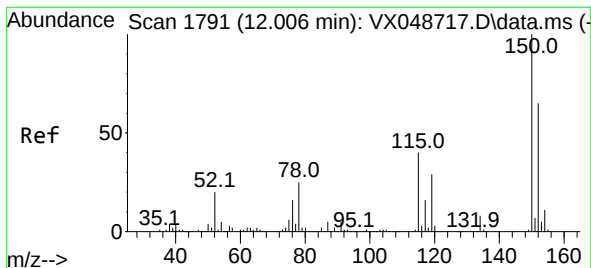
Tgt Ion: 95 Resp: 143576
Ion Ratio Lower Upper
95 100
174 84.3 0.0 157.8
176 81.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

Tgt Ion: 117 Resp: 342813
Ion Ratio Lower Upper
117 100
82 53.1 44.1 66.1
119 31.8 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048730.D

Acq: 05 Dec 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

IBLK

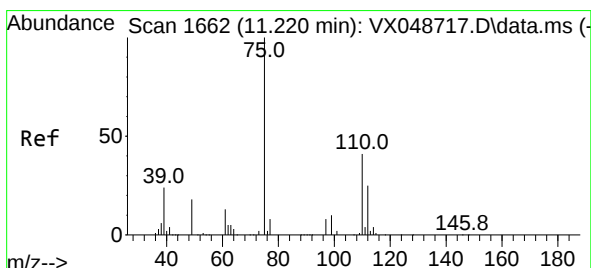
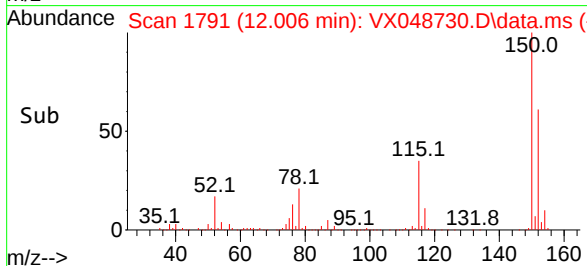
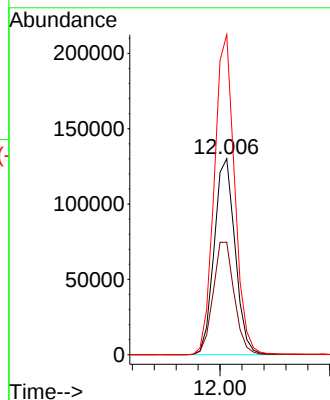
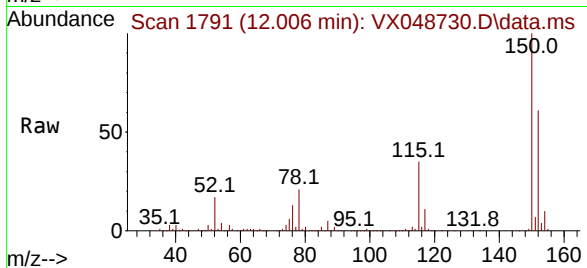
Tgt Ion:152 Resp: 172458

Ion Ratio Lower Upper

152 100

115 58.4 42.1 126.4

150 159.1 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 21.465 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.158 min

Lab File: VX048730.D

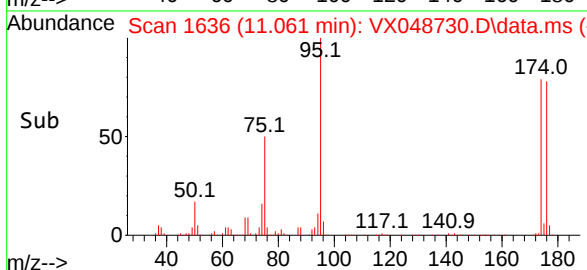
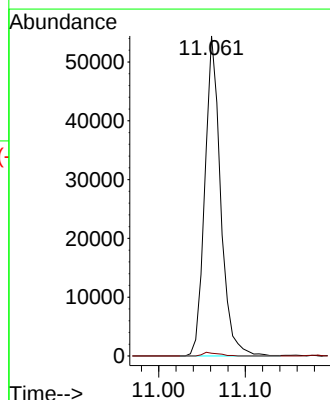
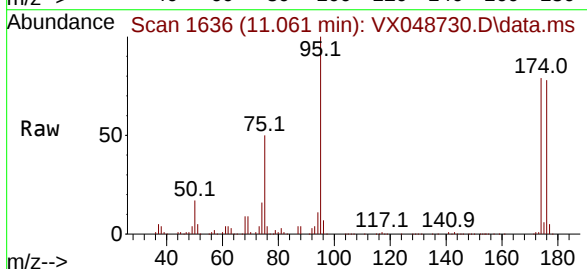
Acq: 05 Dec 2025 13:10

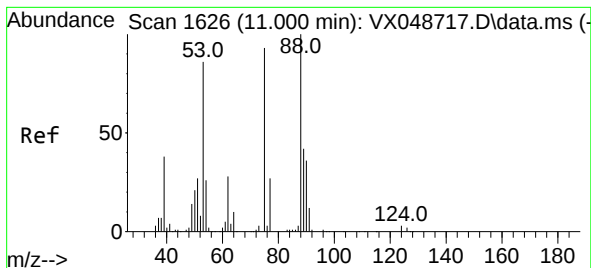
Tgt Ion: 75 Resp: 68948

Ion Ratio Lower Upper

75 100

77 1.1 24.3 73.0#

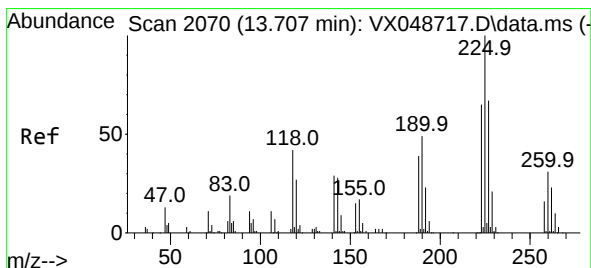
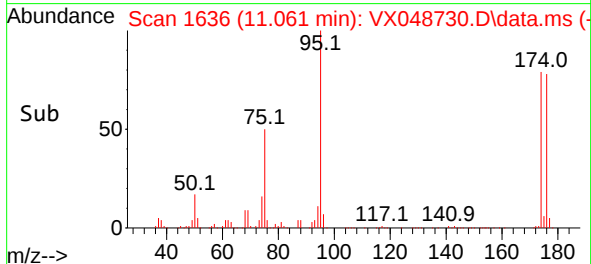
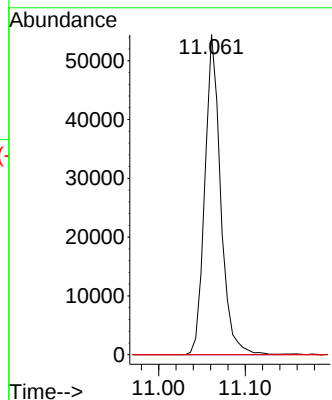
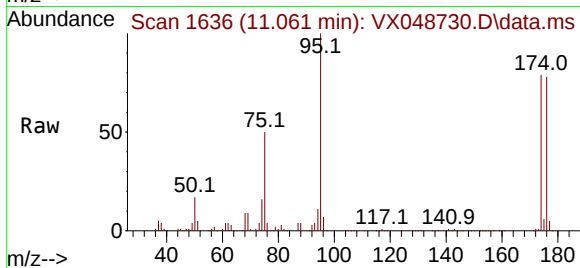




#81
trans-1,4-Dichloro-2-butene
Concen: 50.988 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

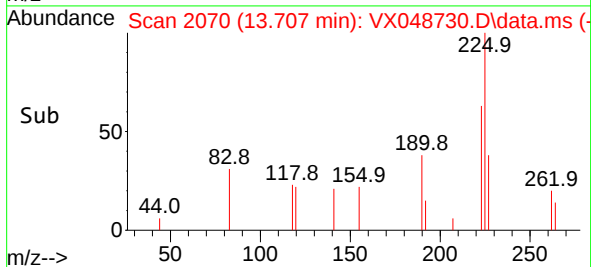
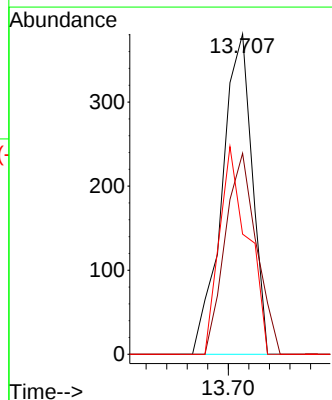
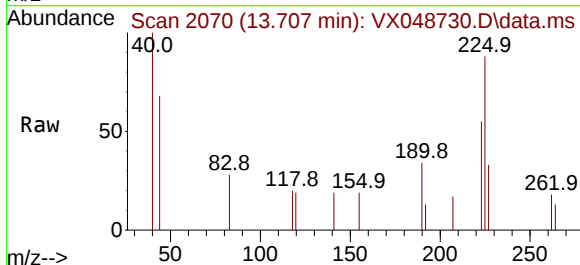
Instrument :
MSVOA_X
ClientSampleId :
IBLK

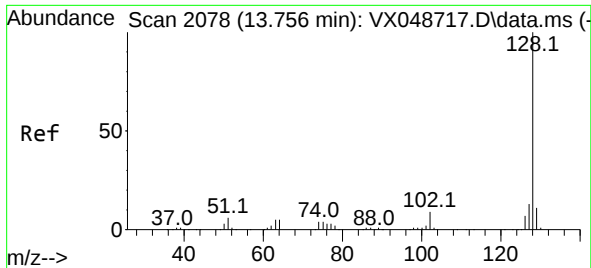
Tgt Ion: 75 Resp: 68948
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#94
Hexachlorobutadiene
Concen: 0.256 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

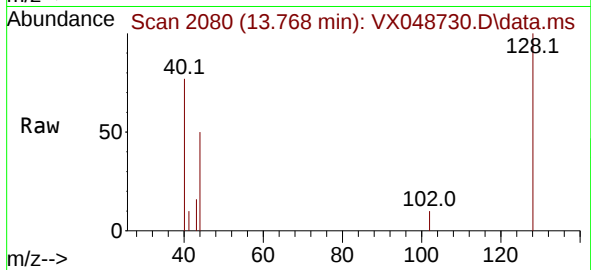
Tgt Ion: 225 Resp: 387
Ion Ratio Lower Upper
225 100
223 65.4 33.0 98.9
227 61.0 32.9 98.7





#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048730.D
Acq: 05 Dec 2025 13:10

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion:128 Resp: 746
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 10.1 8.6 13.0

