

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
 Data File : VX048065.D
 Acq On : 08 Oct 2025 11:19
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

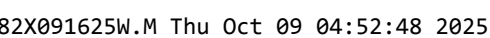
Quant Time: Oct 09 04:52:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

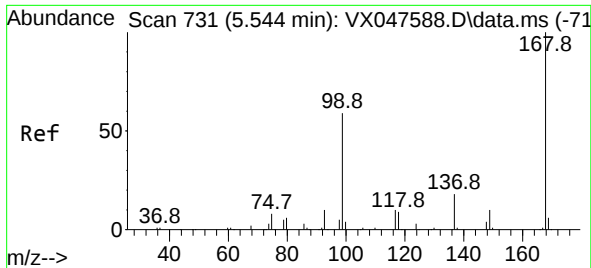
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	113373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	231786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	91668	50.797	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.600%
35) Dibromofluoromethane	5.373	113	75744	48.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	8.634	98	264321	49.141	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.280%
62) 4-Bromofluorobenzene	11.067	95	108295	53.050	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.100%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	339	0.354	ug/l #	64
6) Chloroethane	1.758	64	489	0.484	ug/l #	85
10) Methyl Iodide	2.465	142	1194	0.584	ug/l #	73
11) Tert butyl alcohol	2.946	59	556	2.766	ug/l #	72
15) Acrylonitrile	3.068	53	198	0.266	ug/l #	42
16) Acetone	2.379	43	1752	2.233	ug/l	94
17) Carbon Disulfide	2.520	76	3765	1.021	ug/l #	82
18) Methyl Acetate	2.703	43	428	0.245	ug/l #	54
20) Methylene Chloride	2.788	84	449	0.270	ug/l #	77
29) Tetrahydrofuran	5.025	42	122	0.207	ug/l #	34
31) Cyclohexane	5.544	56	2595	1.088	ug/l #	4
36) 1,1-Dichloropropene	5.531	75	9814	4.321	ug/l #	46
38) Carbon Tetrachloride	5.544	117	12496	5.063	ug/l #	17
76) 1,2,3-Trichloropropane	11.067	75	56429	24.858	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	56429	63.391	ug/l #	8
89) n-Butylbenzene	12.317	91	2462	0.369	ug/l	89
93) 1,2,4-Trichlorobenzene	13.579	180	996	0.413	ug/l	92
94) Hexachlorobutadiene	13.707	225	1062	1.295	ug/l	89
95) Naphthalene	13.755	128	2659	0.362	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	1092	0.486	ug/l	87

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

Quant Time: Oct 09 04:52:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

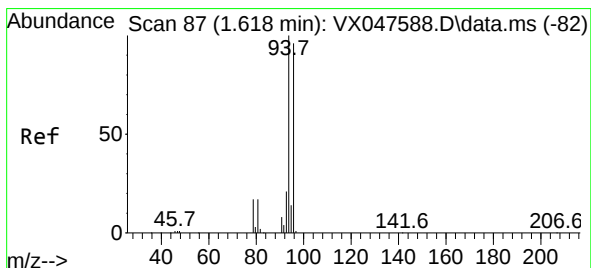
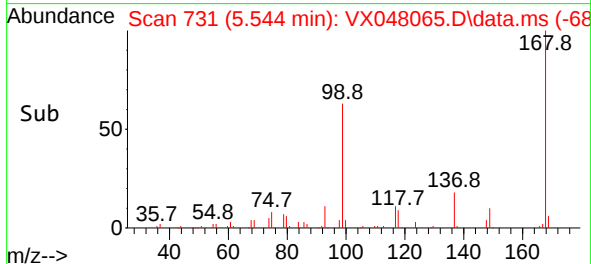
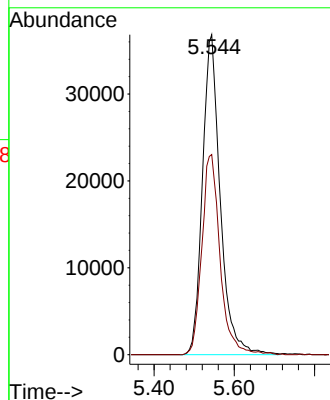
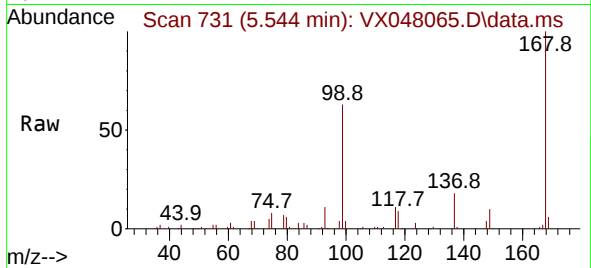




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

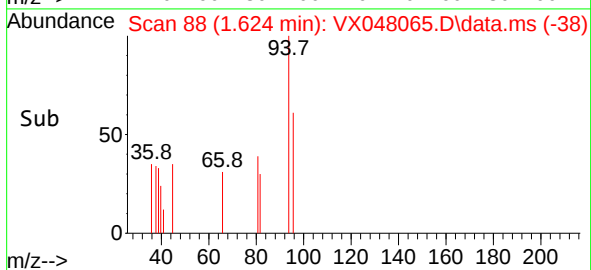
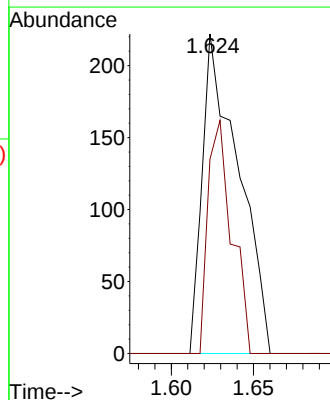
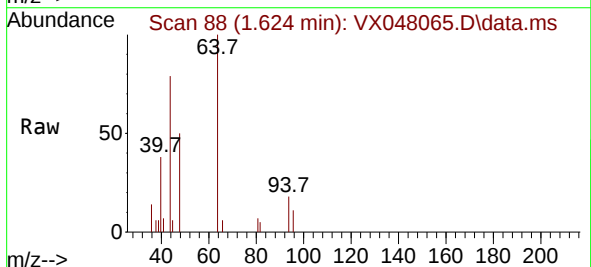
Instrument :
MSVOA_X
ClientSampleId :
IBLK

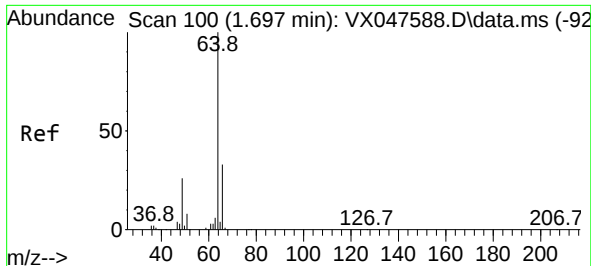
Tgt Ion:168 Resp: 113373
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 60.8 76.6 115.0#

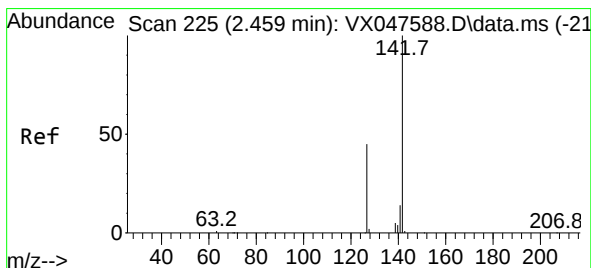
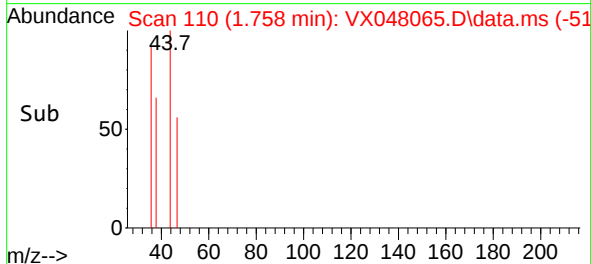
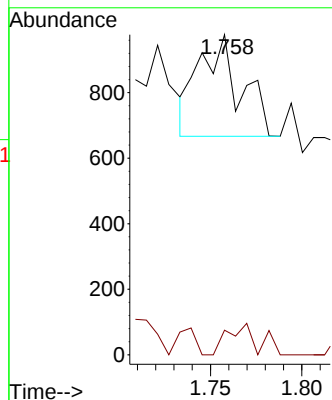
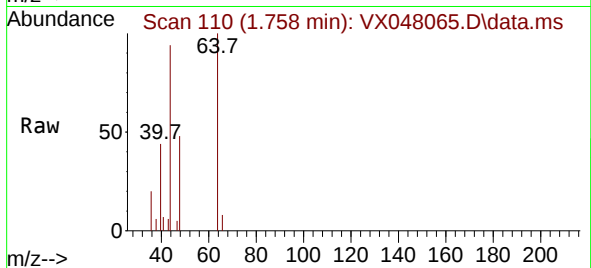




#6
Chloroethane
Concen: 0.484 ug/l
RT: 1.758 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

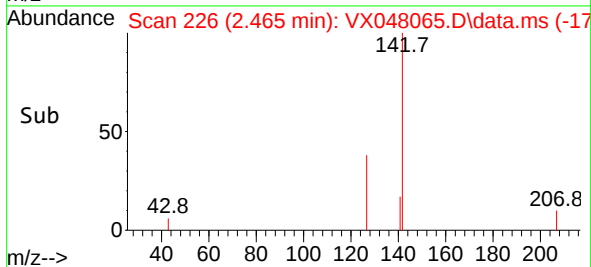
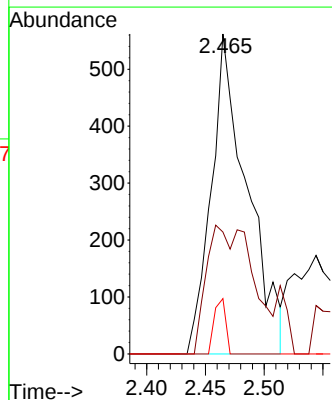
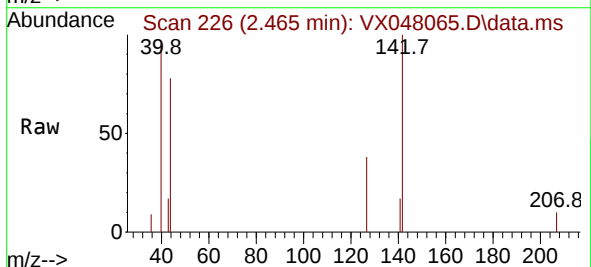
Instrument :
MSVOA_X
ClientSampleId :
IBLK

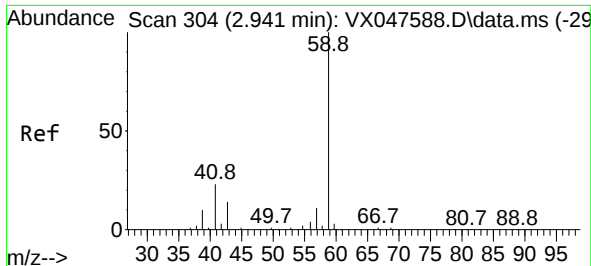
Tgt Ion: 64 Resp: 489
Ion Ratio Lower Upper
64 100
66 24.2 26.1 39.1#



#10
Methyl Iodide
Concen: 0.584 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion:142 Resp: 1194
Ion Ratio Lower Upper
142 100
127 27.1 37.2 55.8#
141 5.4 11.4 17.0#

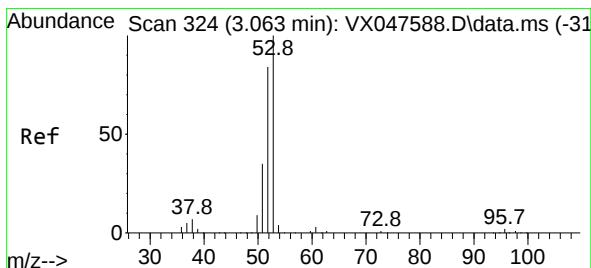
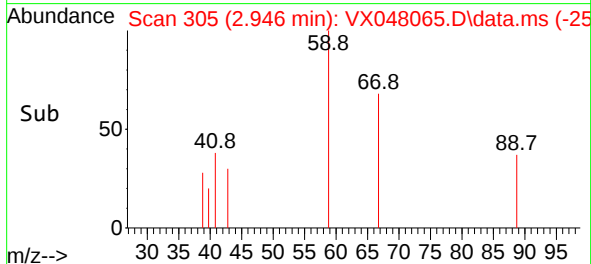
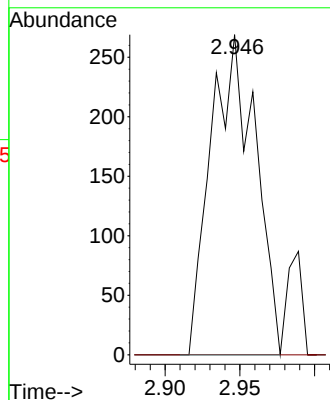
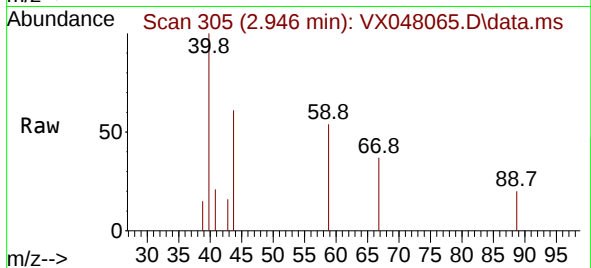




#11
Tert butyl alcohol
Concen: 2.766 ug/l
RT: 2.946 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

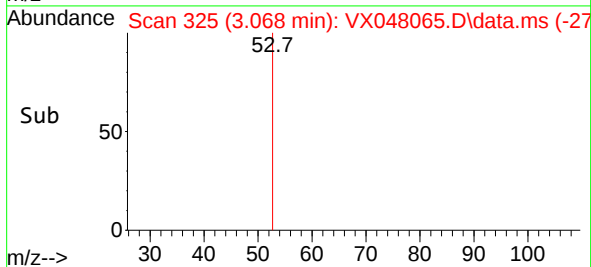
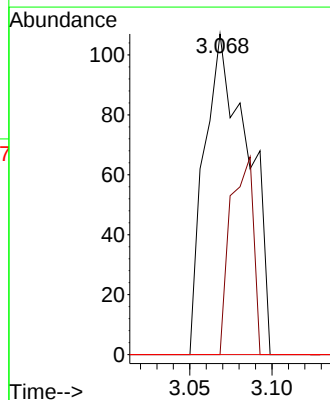
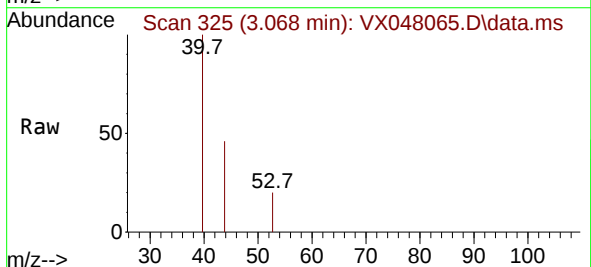
Instrument :
MSVOA_X
ClientSampleId :
IBLK

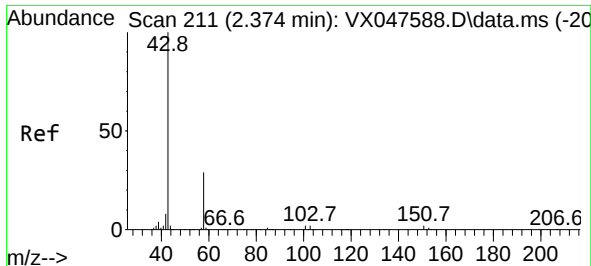
Tgt Ion: 59 Resp: 556
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#15
Acrylonitrile
Concen: 0.266 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.006 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion: 53 Resp: 198
Ion Ratio Lower Upper
53 100
52 32.3 66.4 99.6#
51 0.0 29.5 44.3#

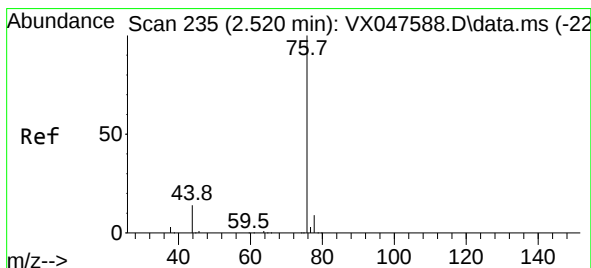
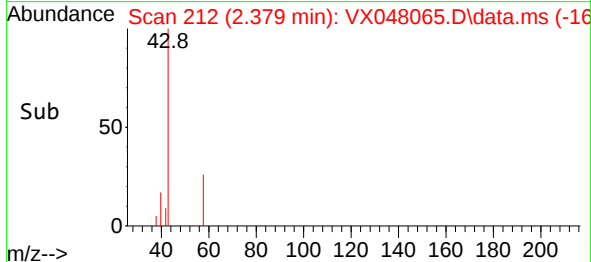
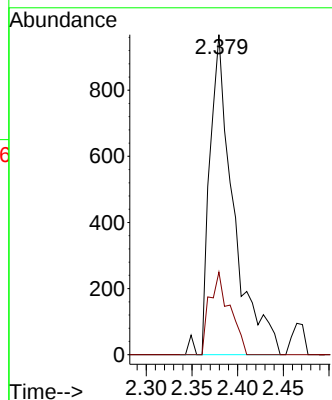
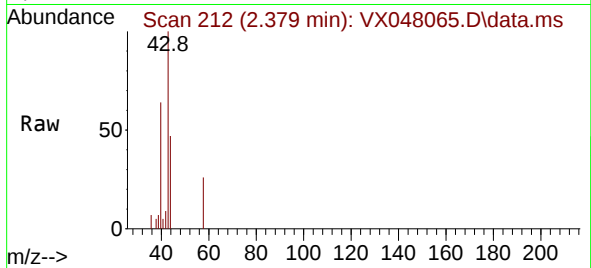




#16
Acetone
Concen: 2.233 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

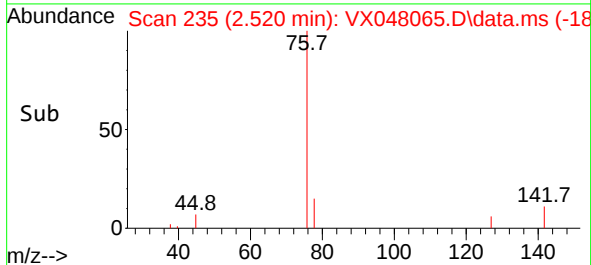
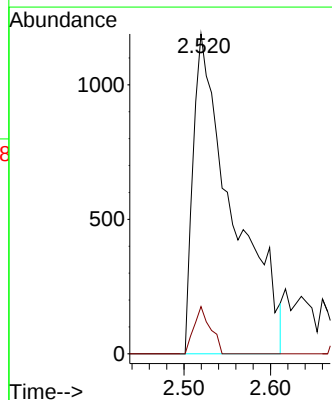
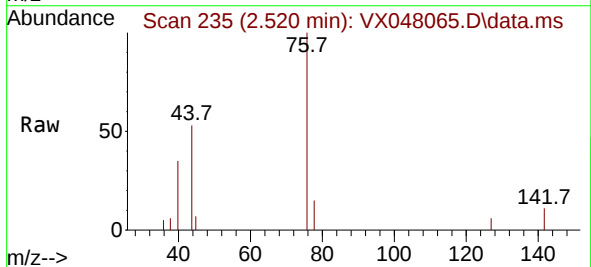
Instrument :
MSVOA_X
ClientSampleId :
IBLK

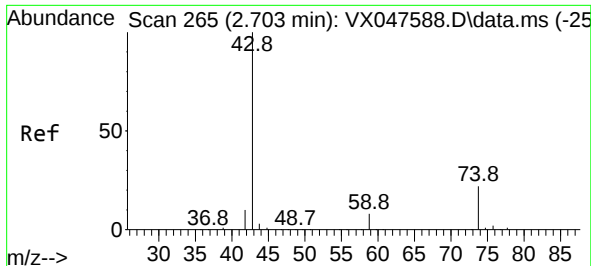
Tgt Ion: 43 Resp: 1752
Ion Ratio Lower Upper
43 100
58 25.8 23.4 35.0



#17
Carbon Disulfide
Concen: 1.021 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion: 76 Resp: 3765
Ion Ratio Lower Upper
76 100
78 14.8 6.8 10.2#





#18

Methyl Acetate

Concen: 0.245 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

Instrument :

MSVOA_X

ClientSampleId :

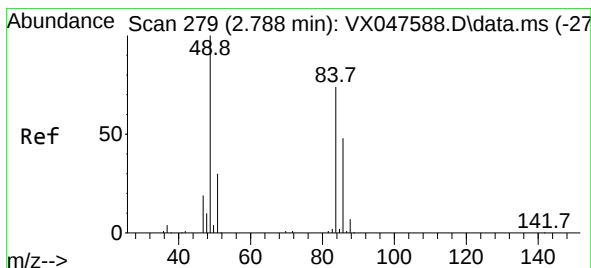
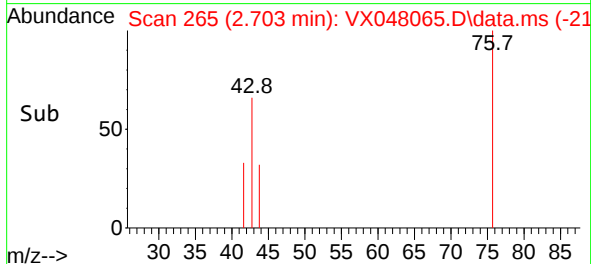
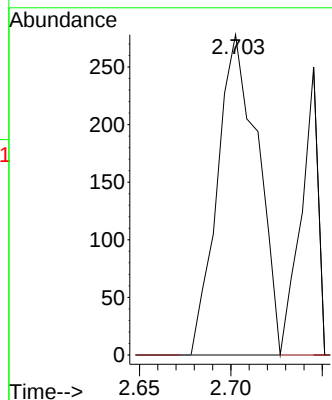
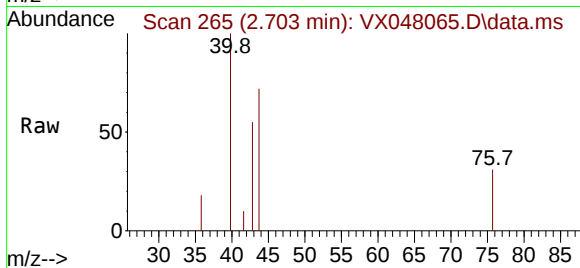
IBLK

Tgt Ion: 43 Resp: 428

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#



#20

Methylene Chloride

Concen: 0.270 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

Tgt Ion: 84 Resp: 449

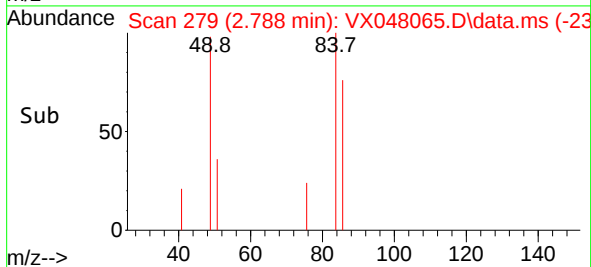
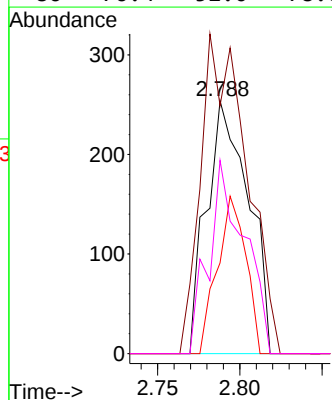
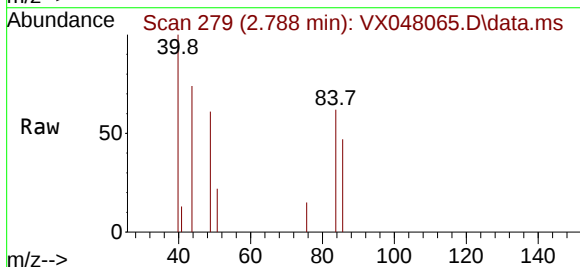
Ion Ratio Lower Upper

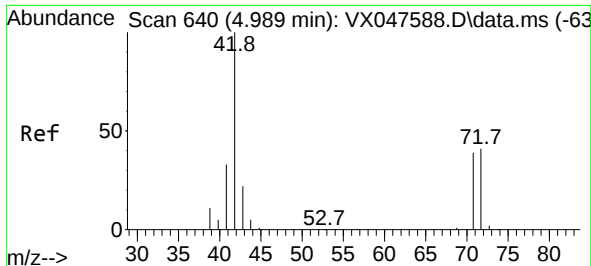
84 100

49 98.0 108.6 162.8#

51 35.8 32.6 48.8

86 76.4 52.0 78.0





#29

Tetrahydrofuran

Concen: 0.207 ug/l

RT: 5.025 min Scan# 640

Delta R.T. 0.036 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

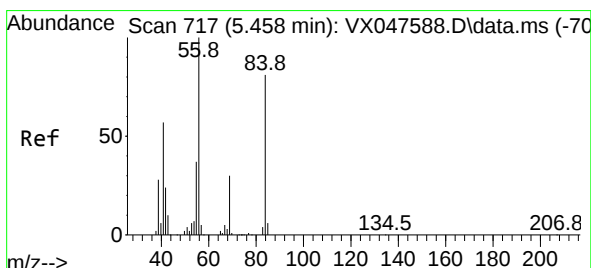
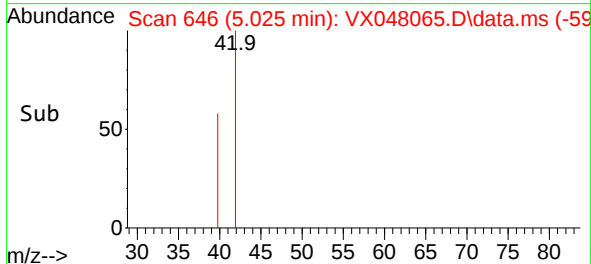
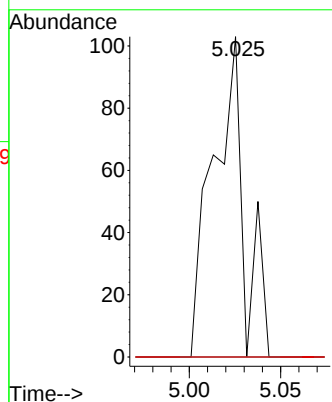
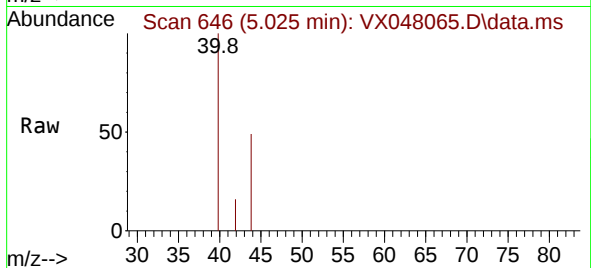
Tgt Ion: 42 Resp: 122

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

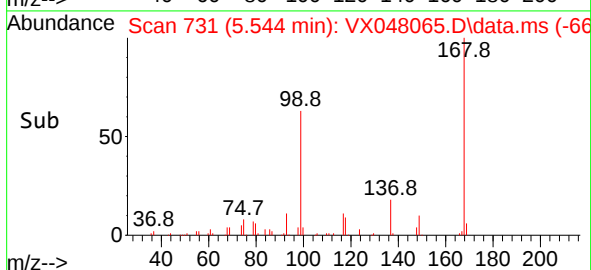
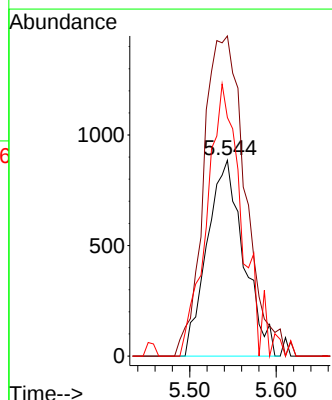
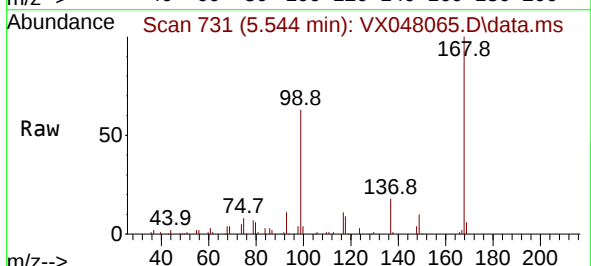
Tgt Ion: 56 Resp: 2595

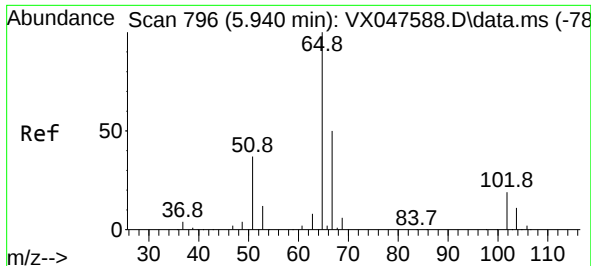
Ion Ratio Lower Upper

56 100

69 155.1 23.8 35.8#

84 121.8 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 50.797 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048065.D

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MSVOA_X

ClientSampleId :

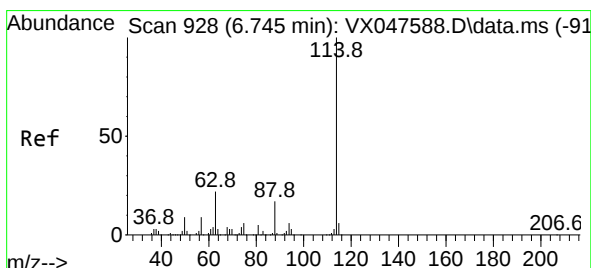
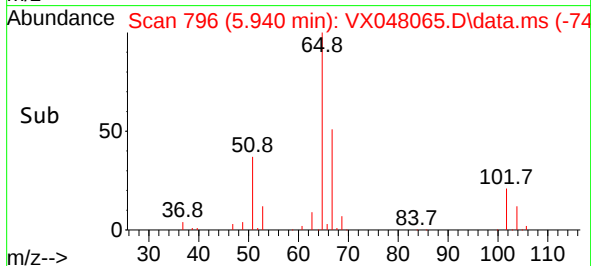
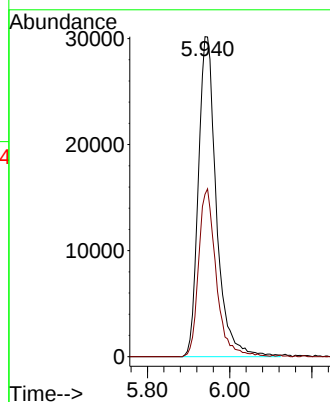
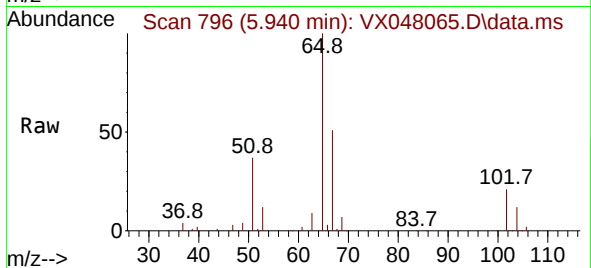
IBLK

Tgt Ion: 65 Resp: 91668

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

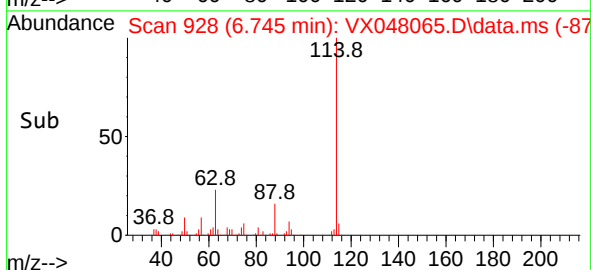
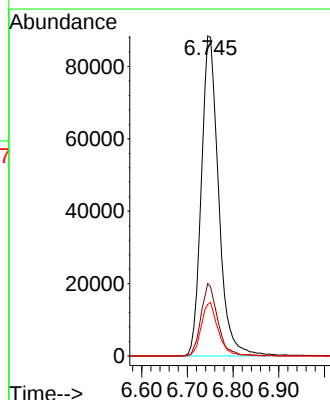
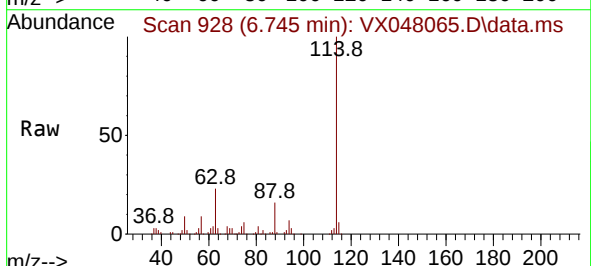
Tgt Ion: 114 Resp: 231786

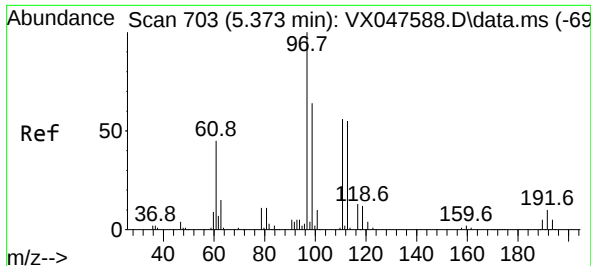
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.0

88 16.1 0.0 34.2

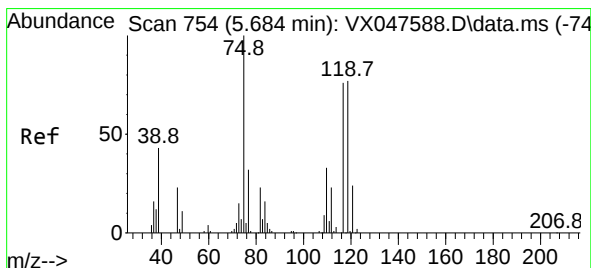
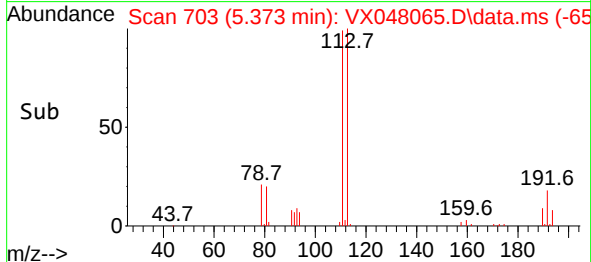
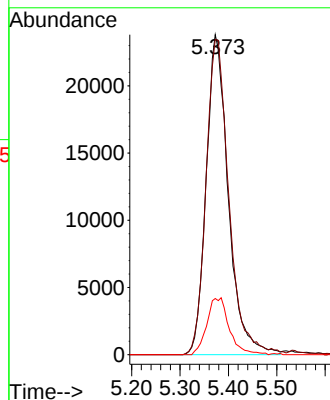
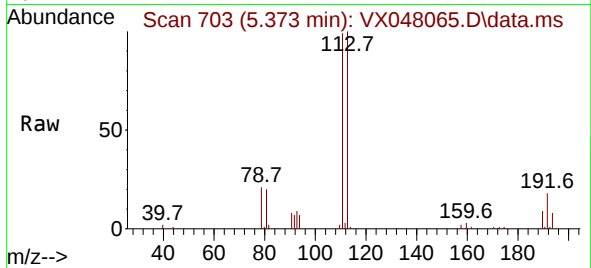




#35
Dibromofluoromethane
Concen: 48.726 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

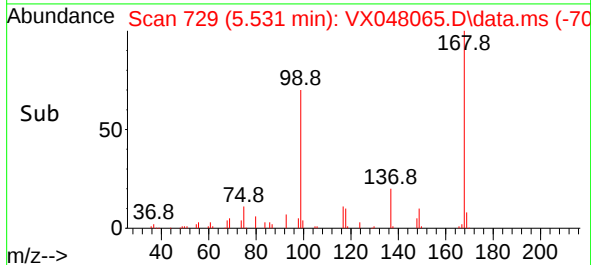
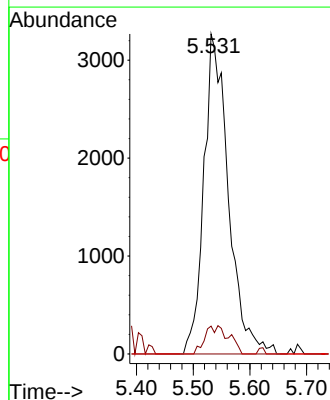
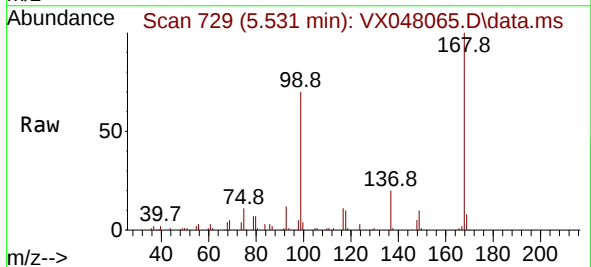
Instrument :
MSVOA_X
ClientSampleId :
IBLK

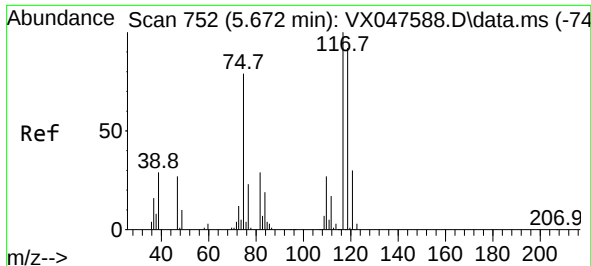
Tgt Ion:113 Resp: 75744
Ion Ratio Lower Upper
113 100
111 101.9 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.321 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.153 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion: 75 Resp: 9814
Ion Ratio Lower Upper
75 100
110 3.9 16.7 50.1#
77 0.0 24.3 36.5#

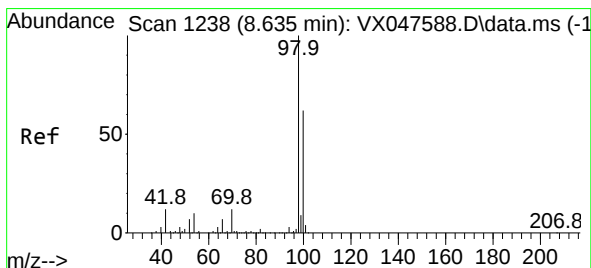
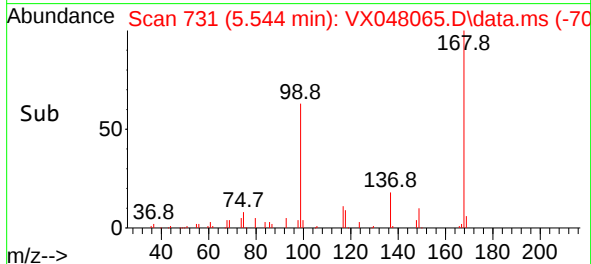
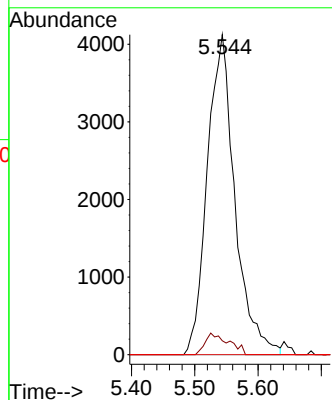
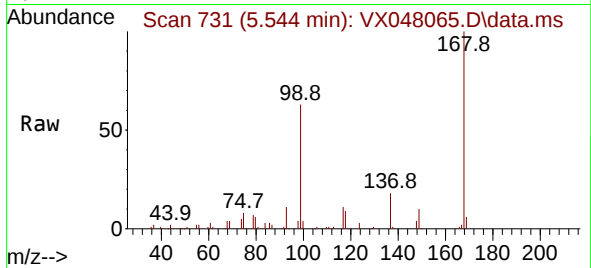




#38
Carbon Tetrachloride
Concen: 5.063 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

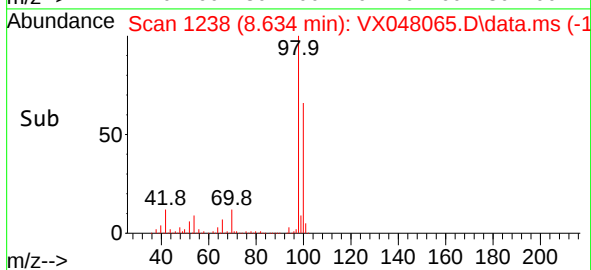
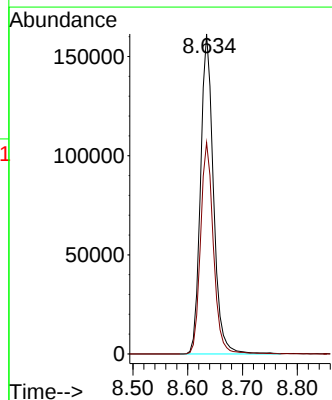
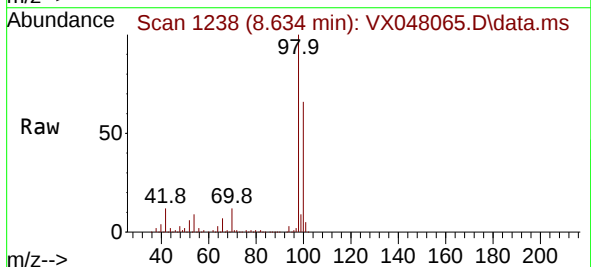
Instrument :
MSVOA_X
ClientSampleId :
IBLK

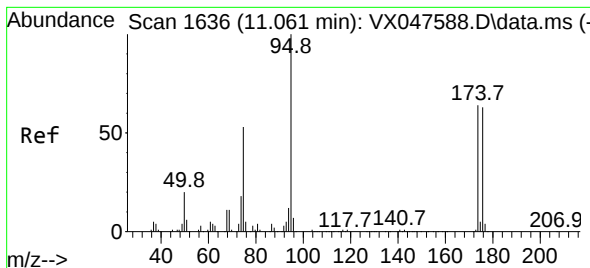
Tgt Ion:117 Resp: 12496
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.141 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion: 98 Resp: 264321
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 53.050 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

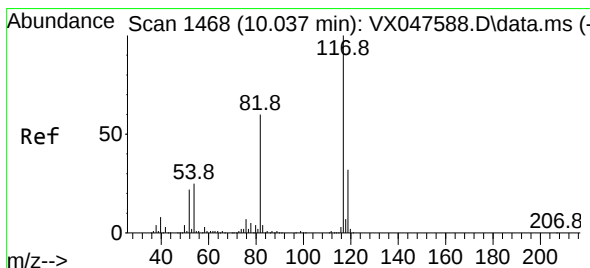
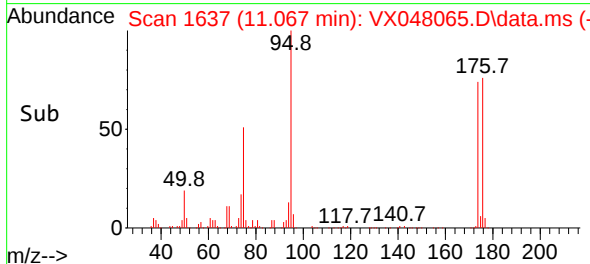
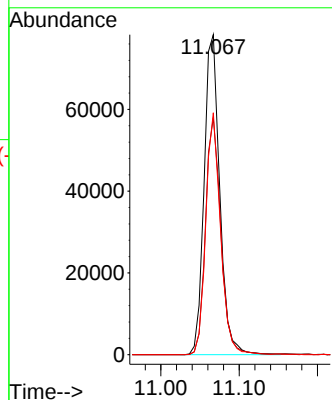
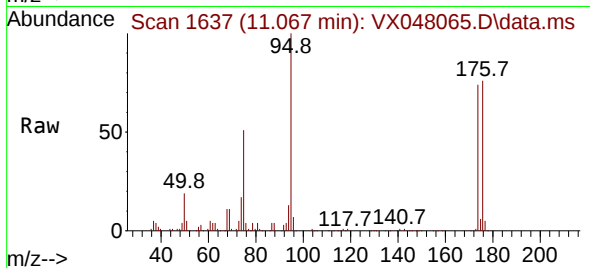
Tgt Ion: 95 Resp: 108295

Ion Ratio Lower Upper

95 100

174 72.7 0.0 141.6

176 71.2 0.0 138.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

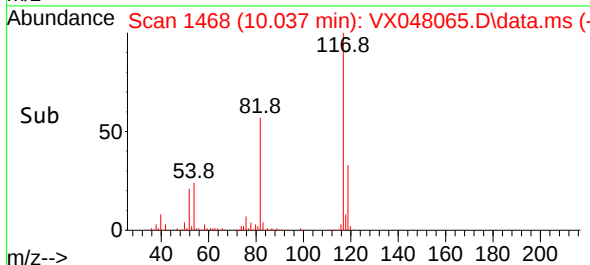
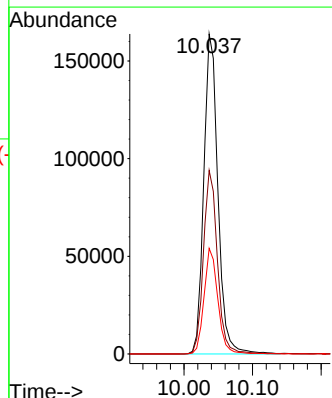
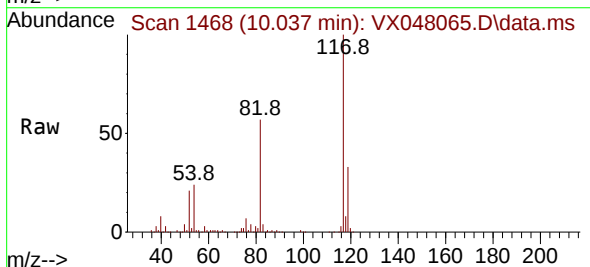
Tgt Ion: 117 Resp: 235667

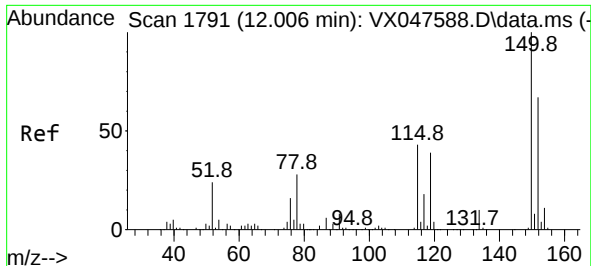
Ion Ratio Lower Upper

117 100

82 57.4 47.8 71.6

119 33.0 25.2 37.8

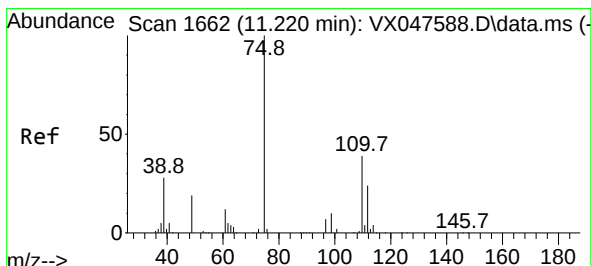
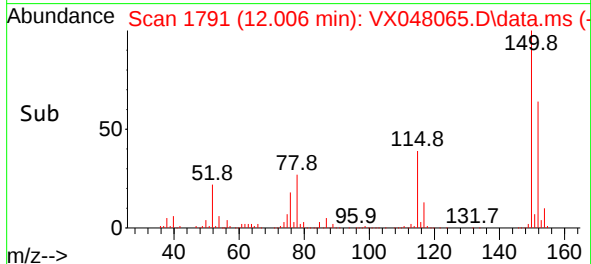
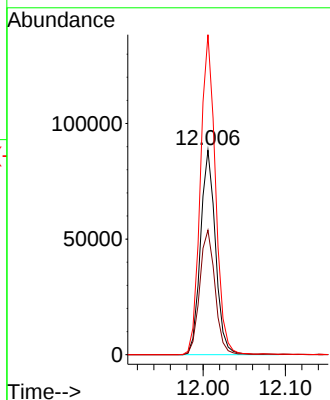
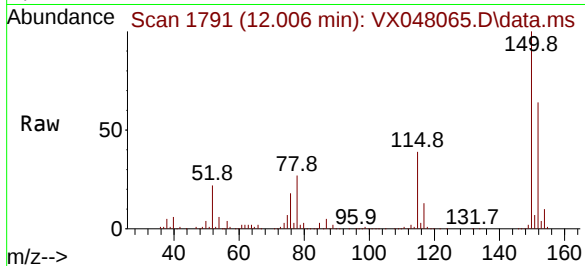




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048065.D
 Acq: 08 Oct 2025 11:19

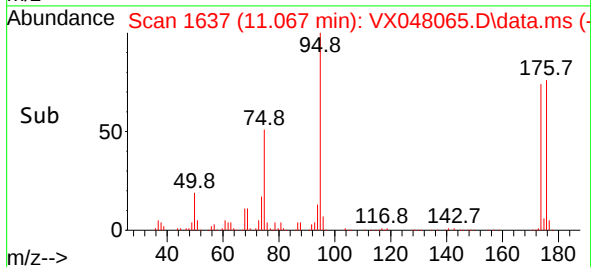
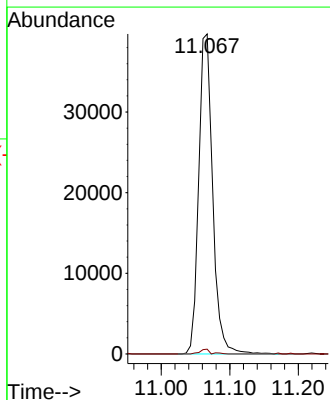
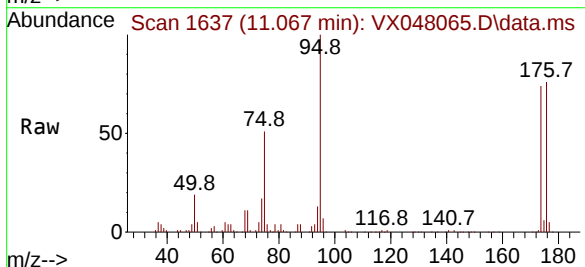
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

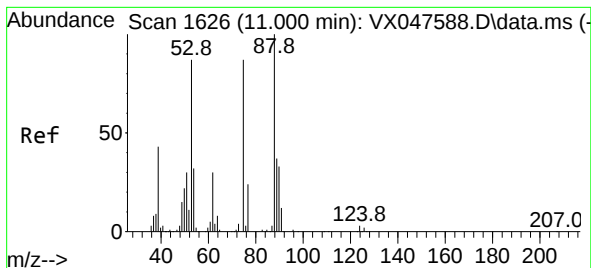
Tgt Ion:152 Resp: 112120
 Ion Ratio Lower Upper
 152 100
 115 62.6 44.9 134.5
 150 157.4 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.858 ug/l
 RT: 11.067 min Scan# 1637
 Delta R.T. -0.153 min
 Lab File: VX048065.D
 Acq: 08 Oct 2025 11:19

Tgt Ion: 75 Resp: 56429
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.8 56.4#

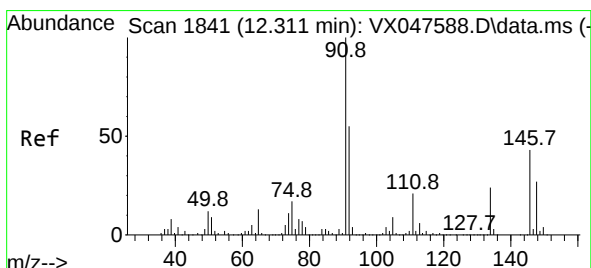
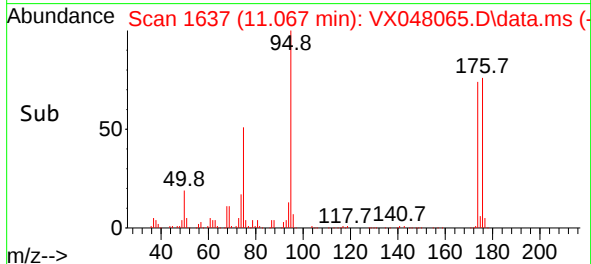
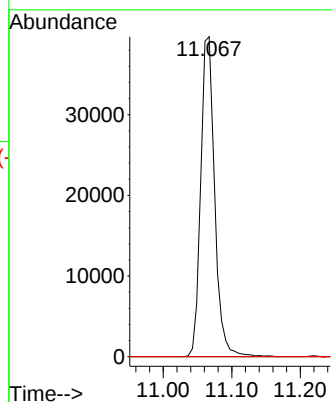
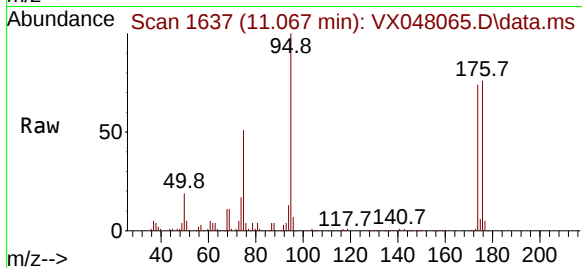




#81
trans-1,4-Dichloro-2-butene
Concen: 63.391 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

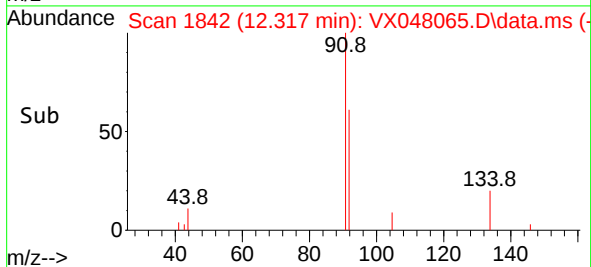
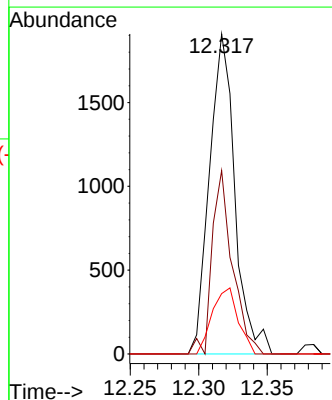
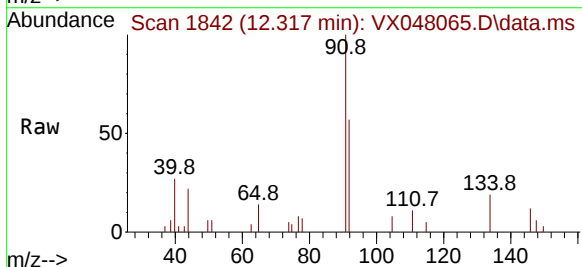
Instrument :
MSVOA_X
ClientSampleId :
IBLK

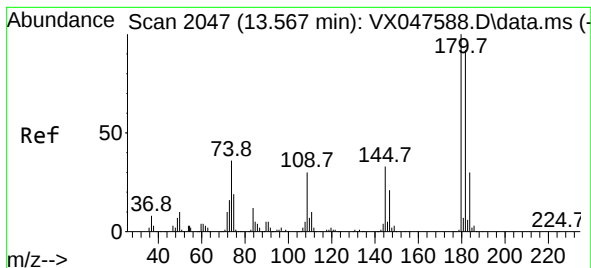
Tgt Ion: 75 Resp: 56429
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#89
n-Butylbenzene
Concen: 0.369 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion: 91 Resp: 2462
Ion Ratio Lower Upper
91 100
92 46.0 27.6 82.7
134 21.0 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.413 ug/l

RT: 13.579 min Scan# 2047

Delta R.T. 0.012 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

Instrument :

MSVOA_X

ClientSampleId :

IBLK

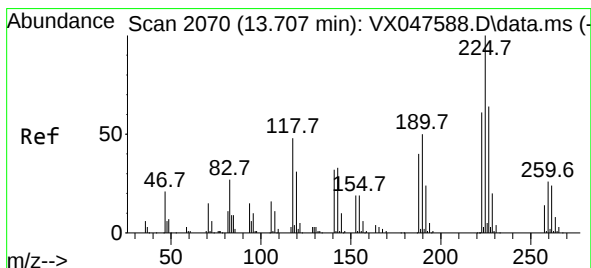
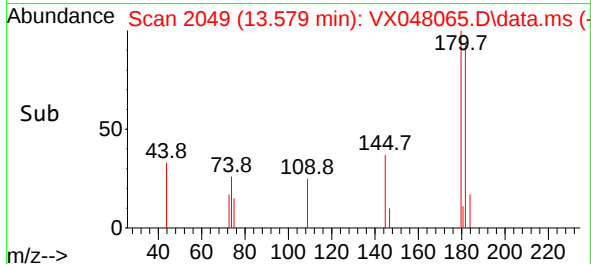
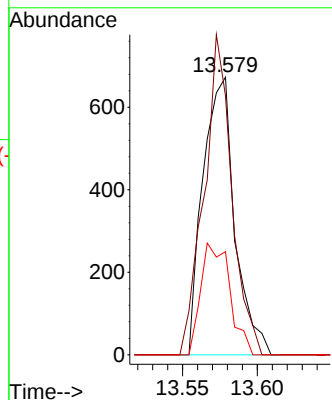
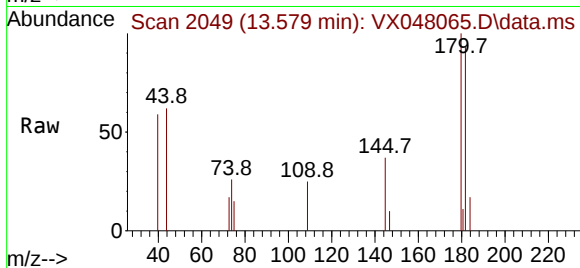
Tgt Ion:180 Resp: 996

Ion Ratio Lower Upper

180 100

182 100.6 46.6 139.8

145 36.7 16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.295 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048065.D

Acq: 08 Oct 2025 11:19

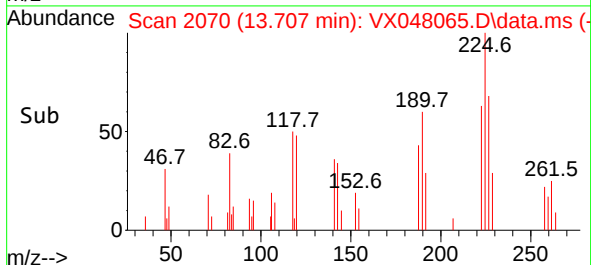
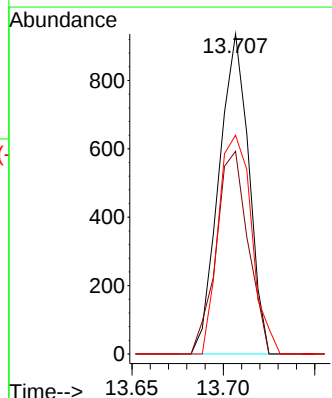
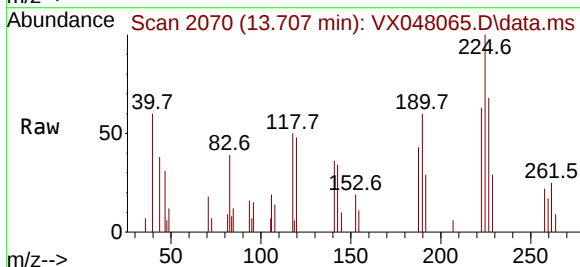
Tgt Ion:225 Resp: 1062

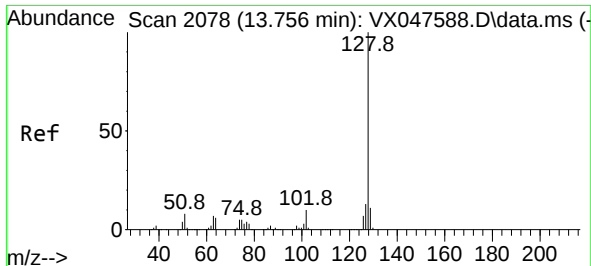
Ion Ratio Lower Upper

225 100

223 67.9 31.7 95.1

227 76.2 32.0 96.0

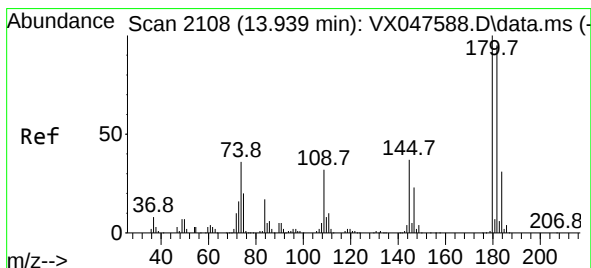
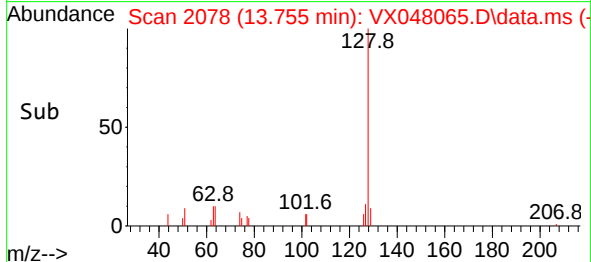
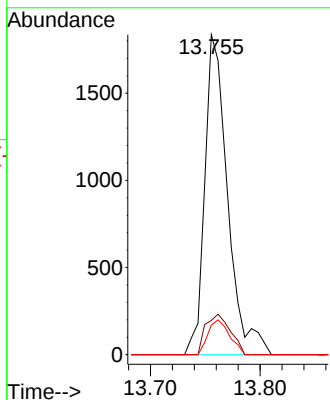
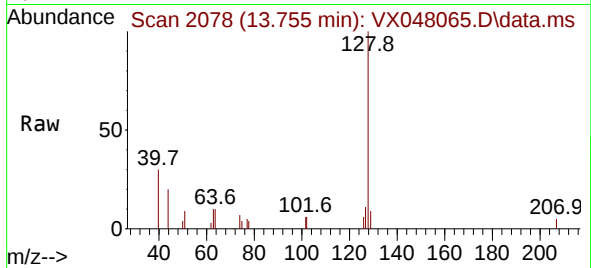




#95
Naphthalene
Concen: 0.362 ug/l
RT: 13.755 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	2659
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.2	15.2
129	10.3	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.486 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048065.D
Acq: 08 Oct 2025 11:19

Tgt Ion:	180	Resp:	1092
Ion Ratio	Lower	Upper	
180	100		
182	84.7	47.6	142.8
145	24.4	17.9	53.7

