

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048317.D
 Acq On : 23 Oct 2025 12:21
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 24 05:42:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

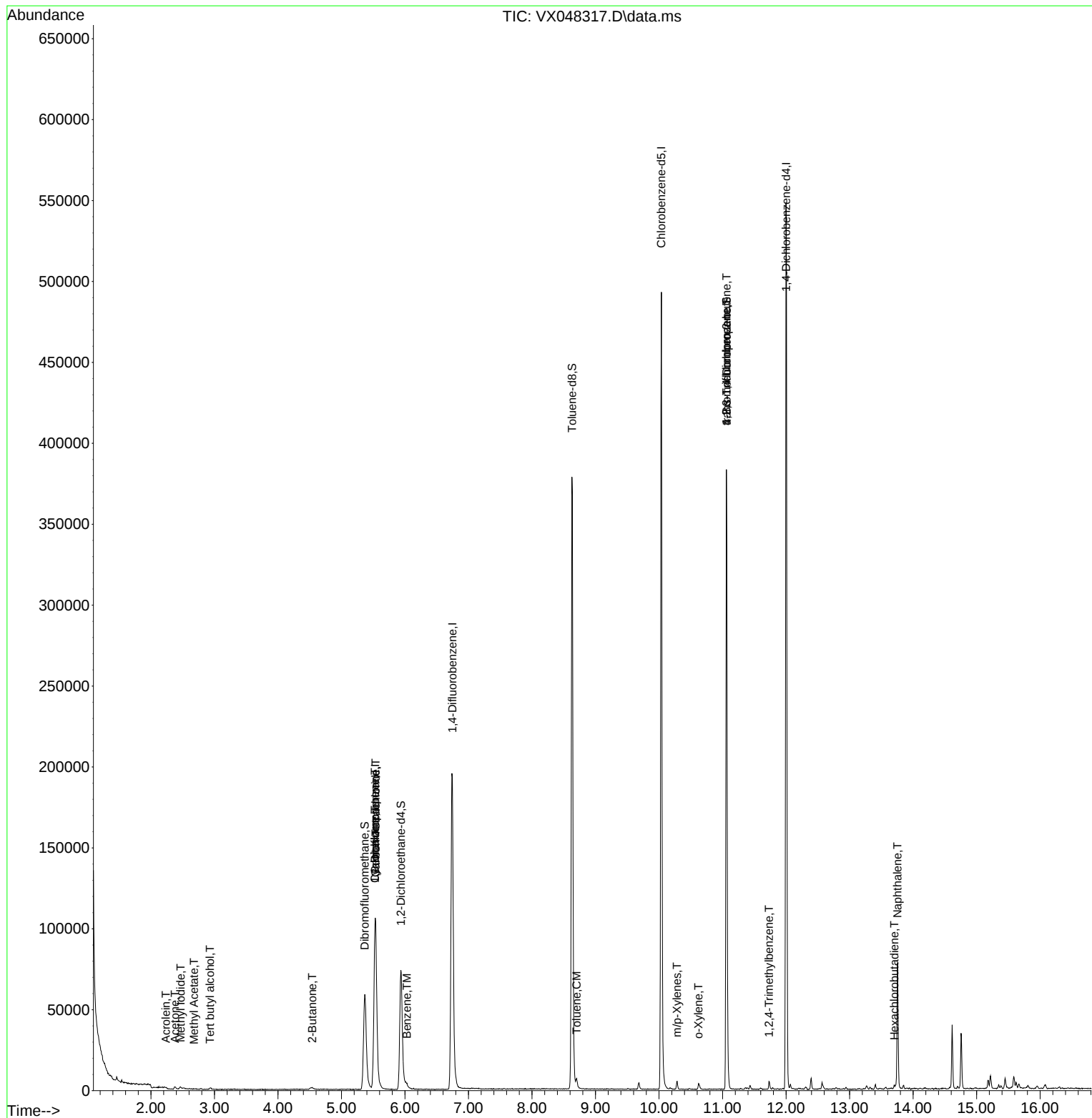
Internal Standards						
1) Pentafluorobenzene	5.531	168	106931	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	214044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	114840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	82206	54.831	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.660%	
35) Dibromofluoromethane	5.367	113	56967	38.985	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 77.960%	
50) Toluene-d8	8.628	98	237214	46.314	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.620%	
62) 4-Bromofluorobenzene	11.061	95	105717	54.255	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.520%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1631	1.124	ug/l #	86
11) Tert butyl alcohol	2.928	59	31	0.208	ug/l #	72
13) Acrolein	2.233	56	82	0.540	ug/l #	75
16) Acetone	2.380	43	1812	3.523	ug/l	98
18) Methyl Acetate	2.678	43	246	0.229	ug/l #	54
25) 2-Butanone	4.538	43	157	0.241	ug/l #	50
31) Cyclohexane	5.525	56	2474	1.329	ug/l #	1
36) 1,1-Dichloropropene	5.525	75	9262	4.459	ug/l #	50
38) Carbon Tetrachloride	5.538	117	11755	4.587	ug/l #	14
40) Benzene	6.031	78	2808	0.466	ug/l #	89
52) Toluene	8.702	92	1923	0.502	ug/l	100
68) m/p-Xylenes	10.281	106	1354	0.431	ug/l	86
69) o-Xylene	10.622	106	885	0.292	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	56459	30.317	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	56459	73.758	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.732	105	2456	0.355	ug/l	89
94) Hexachlorobutadiene	13.707	225	163	0.239	ug/l	82
95) Naphthalene	13.756	128	48533	7.277	ug/l	100

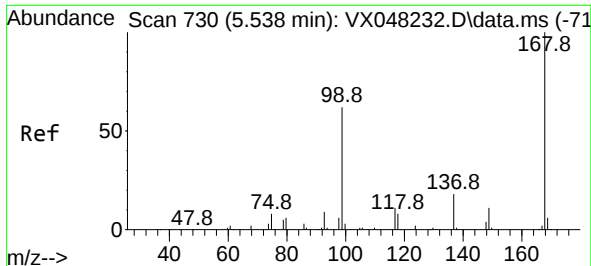
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 24 05:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
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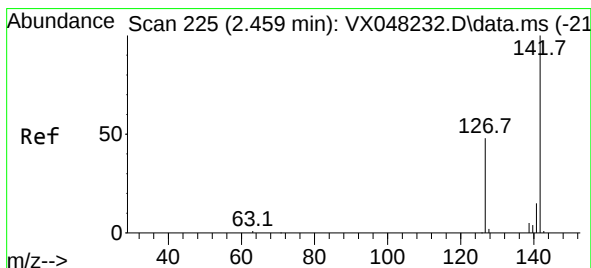
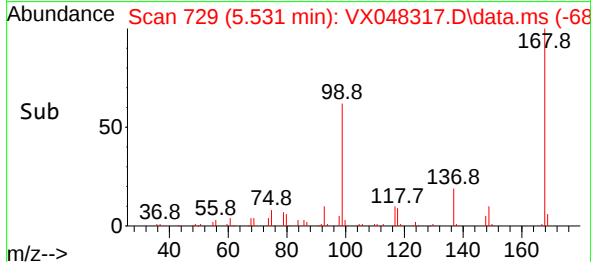
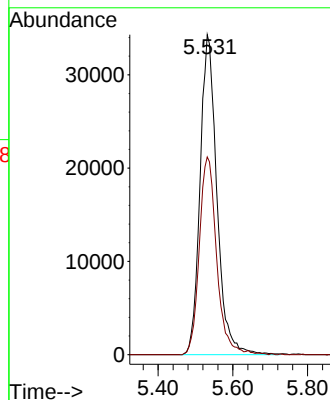
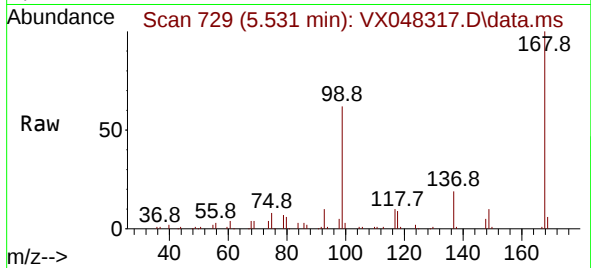




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

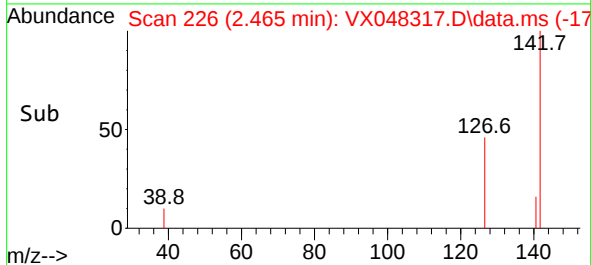
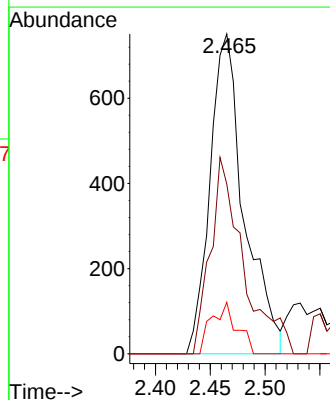
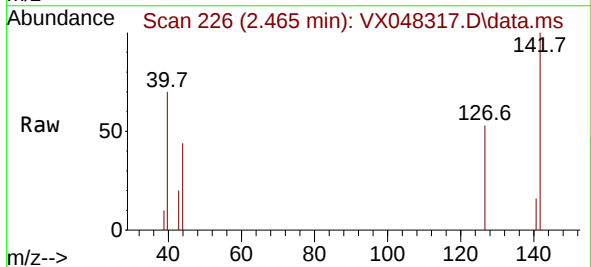
Instrument : MSVOA_X
ClientSampleId : IBLK

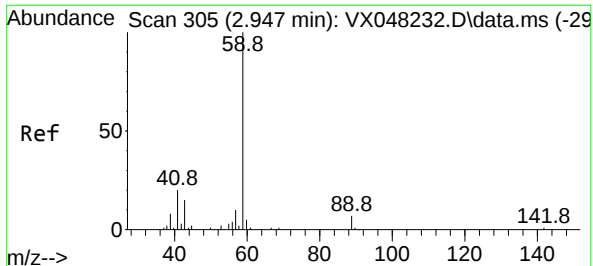
Tgt Ion:168 Resp: 106931
Ion Ratio Lower Upper
168 100
99 61.8 46.4 69.6



#10
Methyl Iodide
Concen: 1.124 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion:142 Resp: 1631
Ion Ratio Lower Upper
142 100
127 59.4 38.5 57.7#
141 11.9 11.6 17.4





#11

Tert butyl alcohol

Concen: 0.208 ug/l

RT: 2.928 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX048317.D

Acq: 23 Oct 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

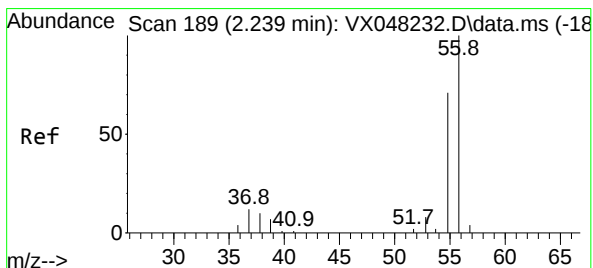
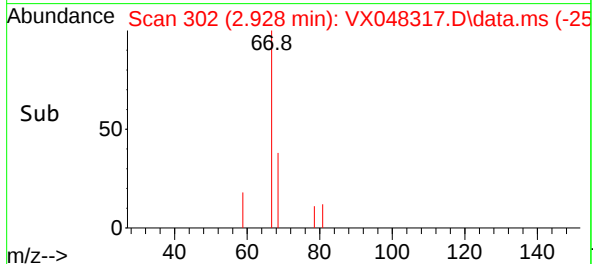
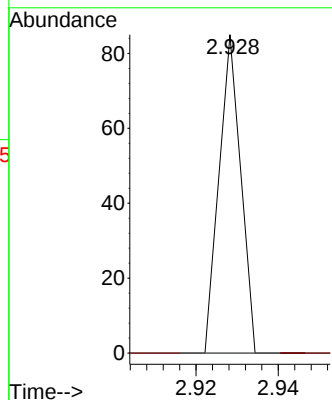
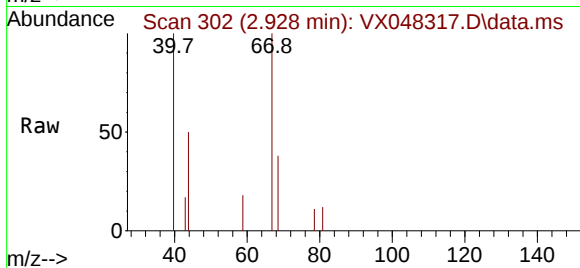
IBLK

Tgt Ion: 59 Resp: 31

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.540 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX048317.D

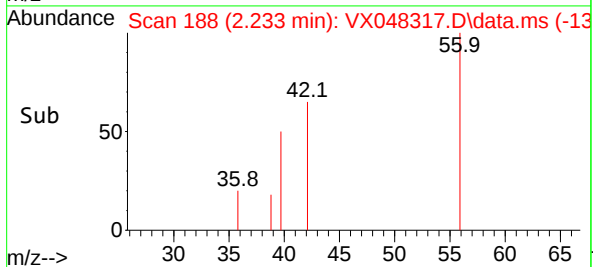
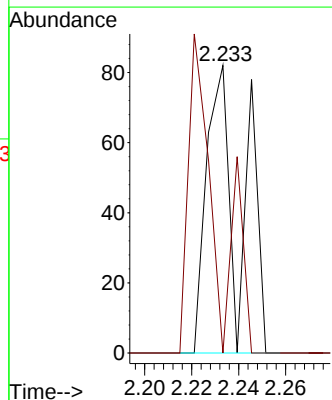
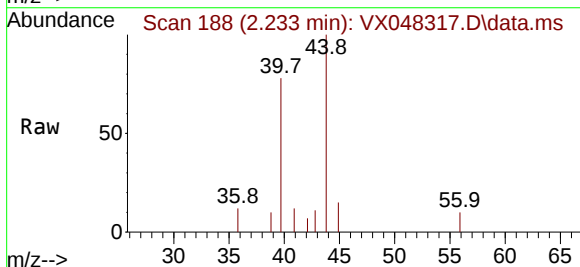
Acq: 23 Oct 2025 12:21

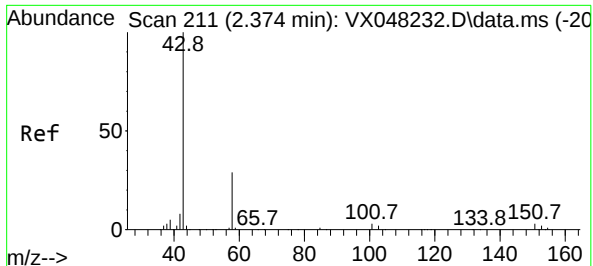
Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 90.2 56.1 84.1#

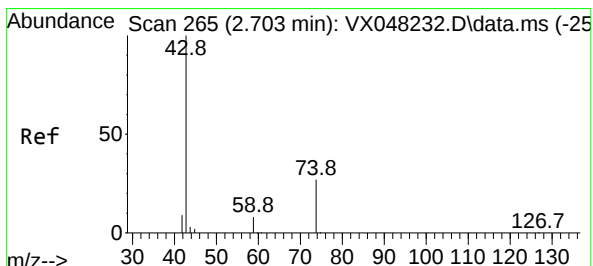
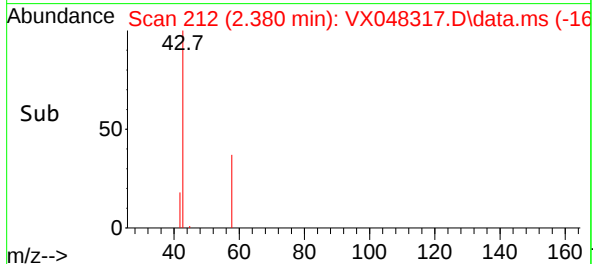
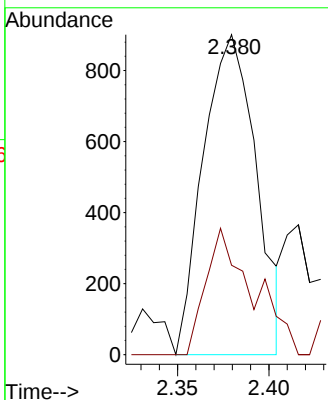
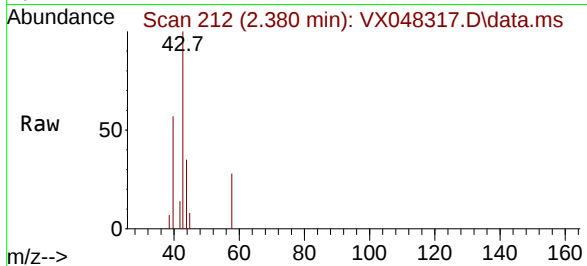




#16
Acetone
Concen: 3.523 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

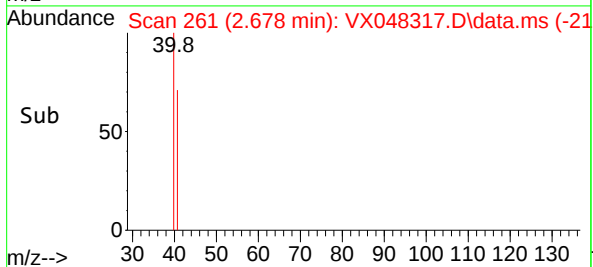
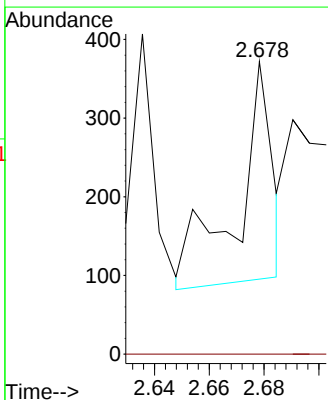
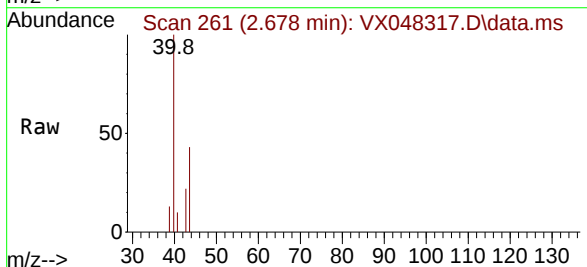
Instrument :
MSVOA_X
ClientSampleId :
IBLK

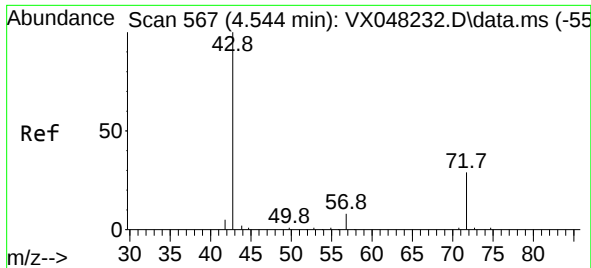
Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
58 28.0 23.4 35.2



#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.018 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

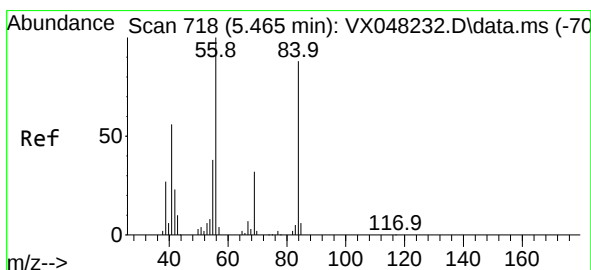
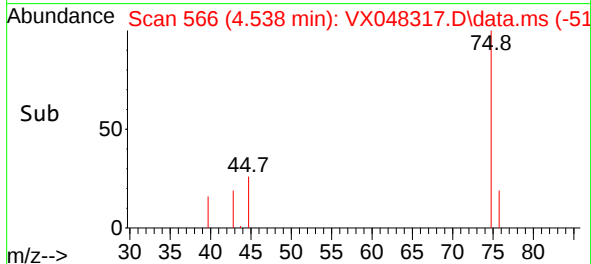
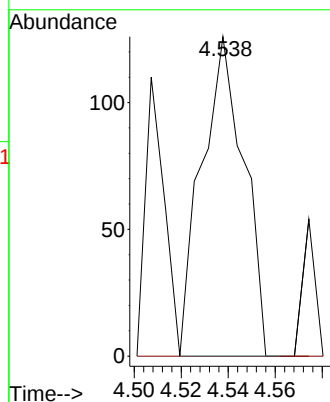
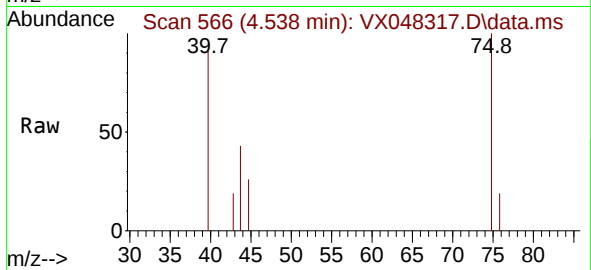




#25
2-Butanone
Concen: 0.241 ug/l
RT: 4.538 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

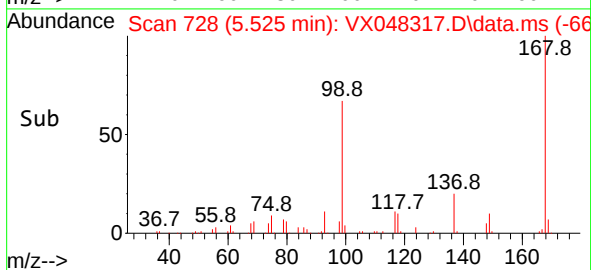
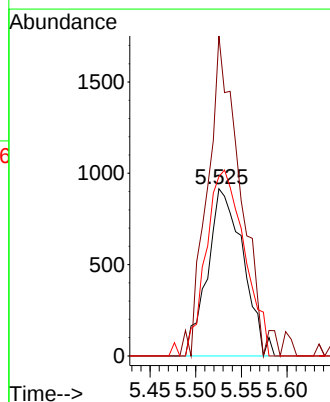
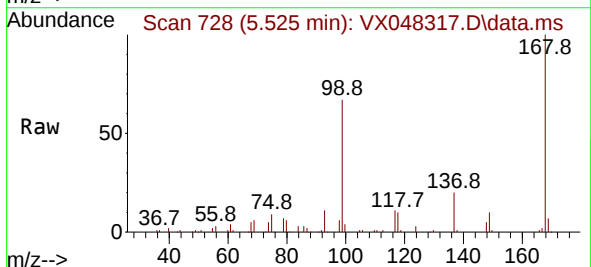
Instrument :
MSVOA_X
ClientSampleId :
IBLK

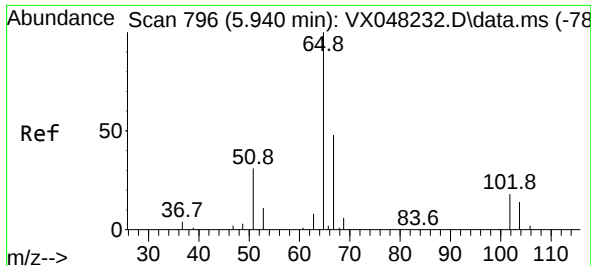
Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.525 min Scan# 728
Delta R.T. 0.067 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion: 56 Resp: 2474
Ion Ratio Lower Upper
56 100
69 191.5 23.0 34.6#
84 107.3 64.6 97.0#

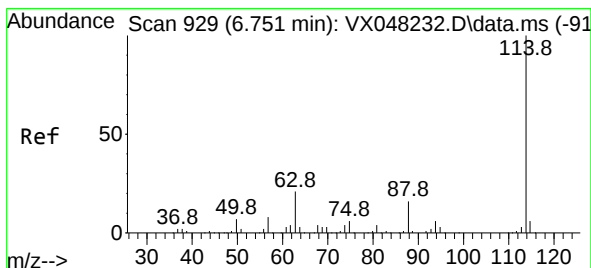
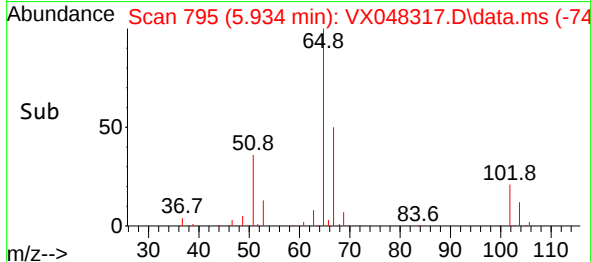
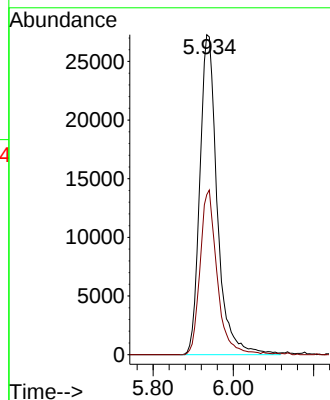
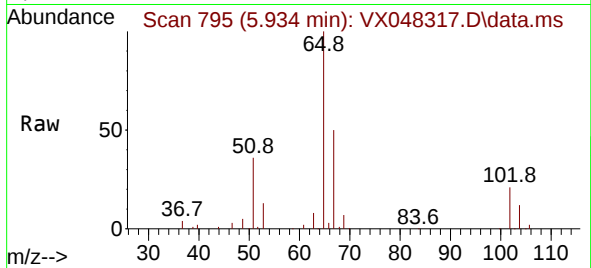




#33
 1,2-Dichloroethane-d4
 Concen: 54.831 ug/l
 RT: 5.934 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: VX048317.D
 Acq: 23 Oct 2025 12:21

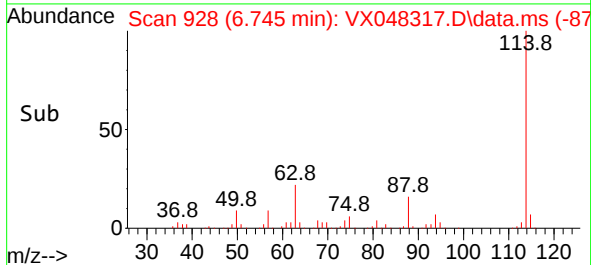
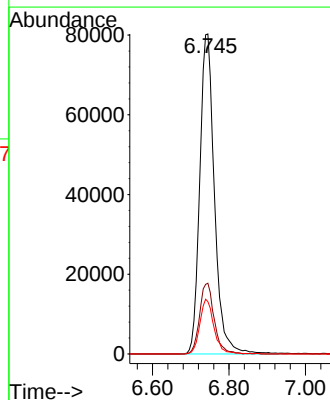
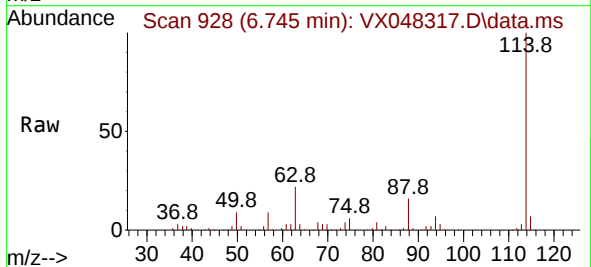
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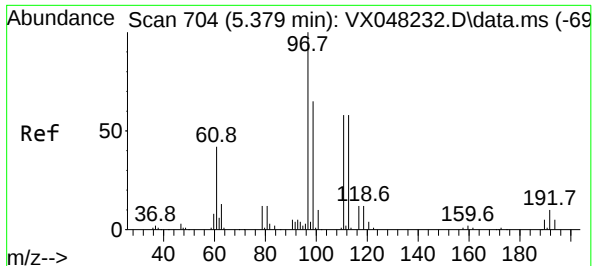
Tgt Ion: 65 Resp: 82206
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048317.D
 Acq: 23 Oct 2025 12:21

Tgt Ion: 114 Resp: 214044
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.4 0.0 33.6

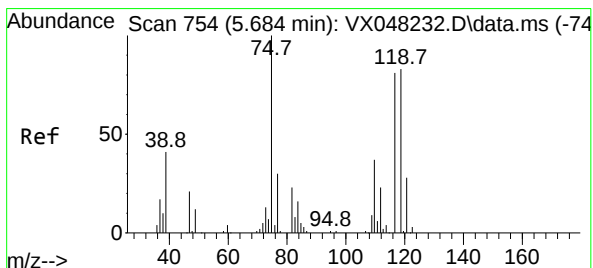
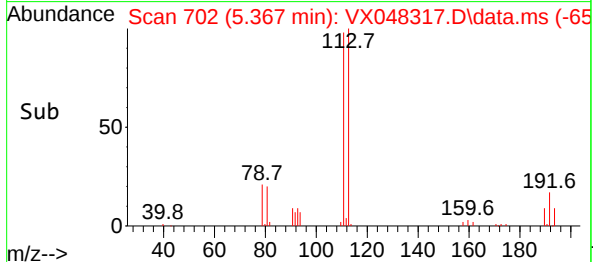
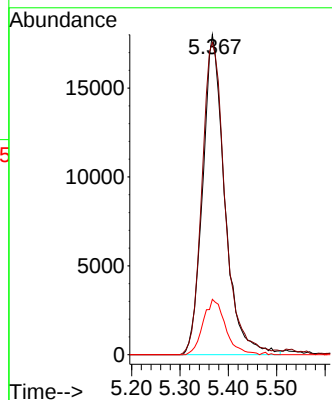
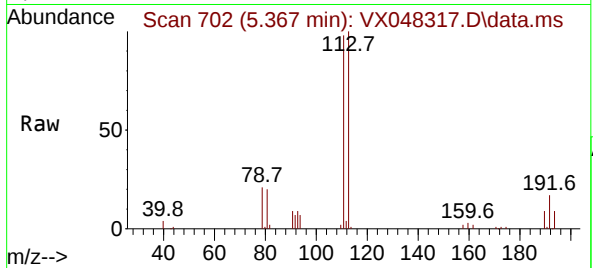




#35
Dibromofluoromethane
Concen: 38.985 ug/l
RT: 5.367 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

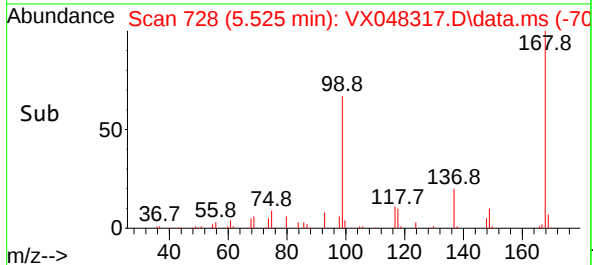
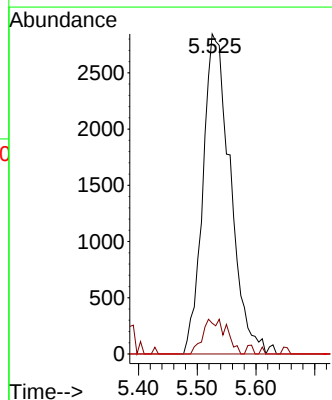
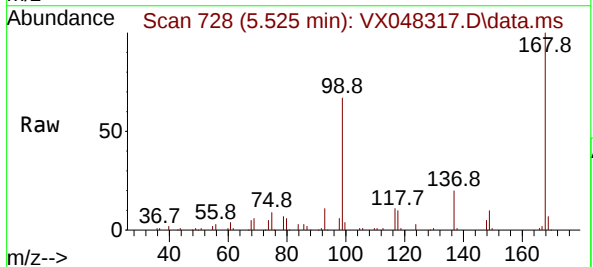
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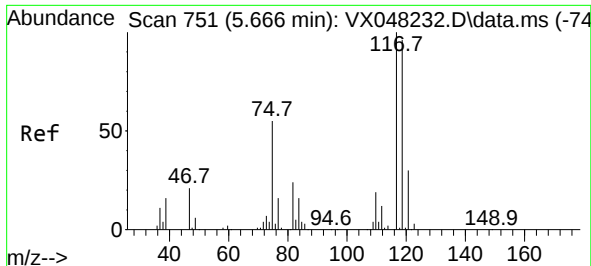
Tgt Ion:113 Resp: 56967
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 17.6 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 5.525 min Scan# 728
Delta R.T. -0.159 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

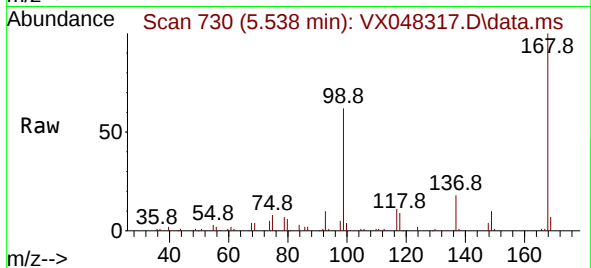
Tgt Ion: 75 Resp: 9262
Ion Ratio Lower Upper
75 100
110 9.4 17.7 53.1#
77 0.0 24.3 36.5#



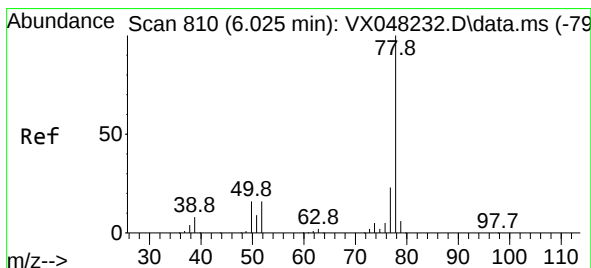
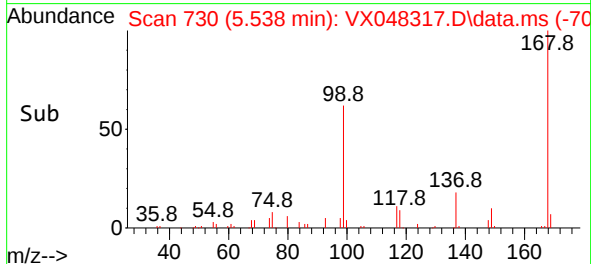
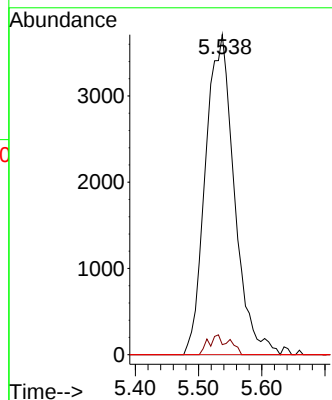


#38
Carbon Tetrachloride
Concen: 4.587 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
IBLK

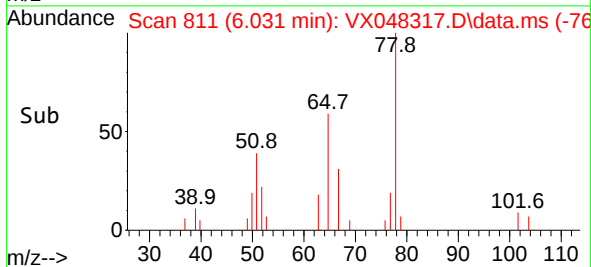
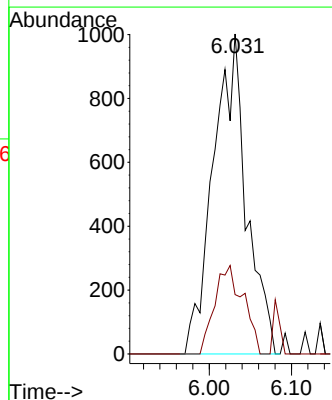
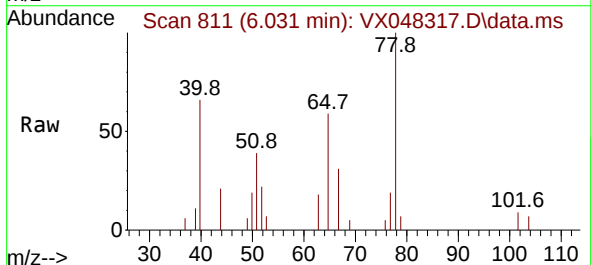


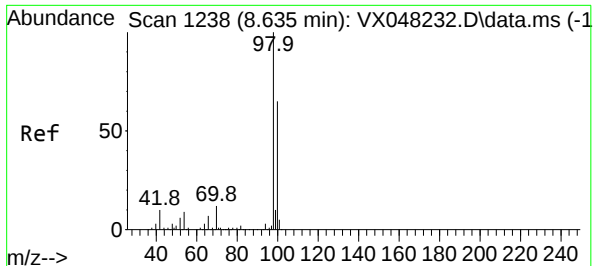
Tgt Ion:117 Resp: 11755
Ion Ratio Lower Upper
117 100
119 3.2 77.2 115.8#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.466 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion: 78 Resp: 2808
Ion Ratio Lower Upper
78 100
77 18.6 19.3 28.9#

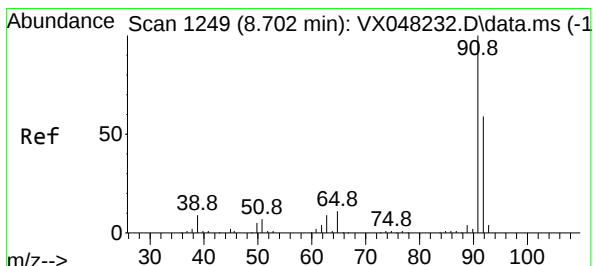
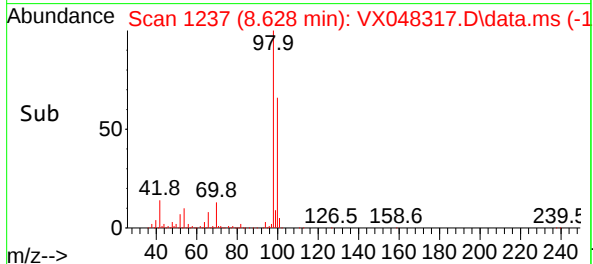
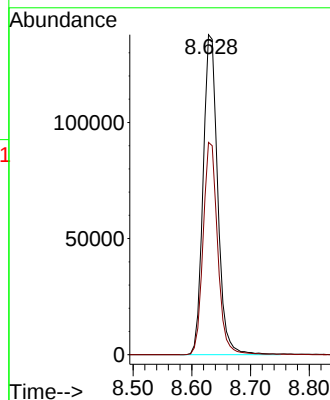
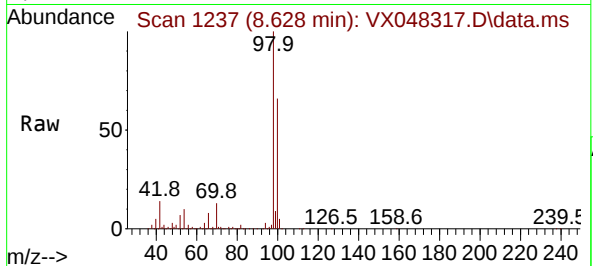




#50
Toluene-d8
Concen: 46.314 ug/l
RT: 8.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

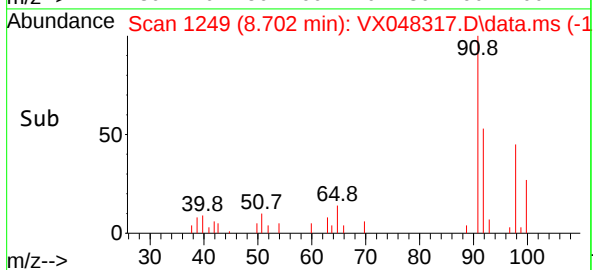
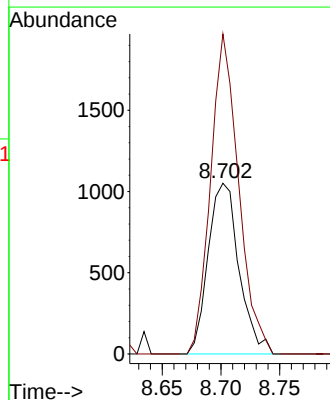
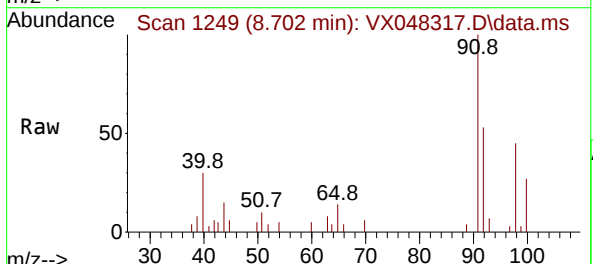
Instrument :
MSVOA_X
ClientSampleId :
IBLK

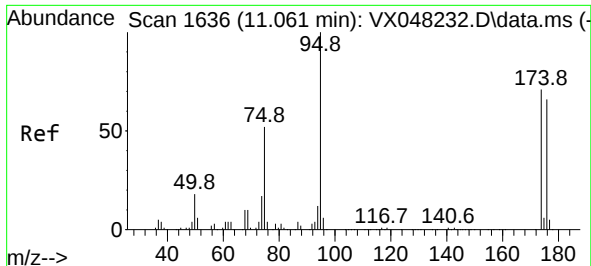
Tgt Ion: 98 Resp: 237214
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#52
Toluene
Concen: 0.502 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion: 92 Resp: 1923
Ion Ratio Lower Upper
92 100
91 170.2 136.1 204.1

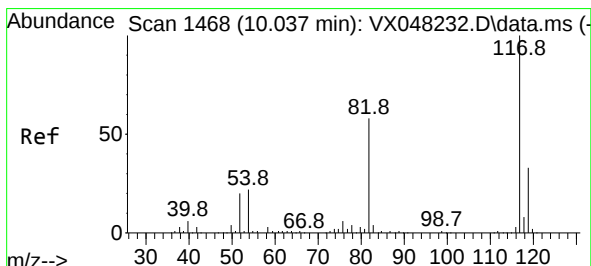
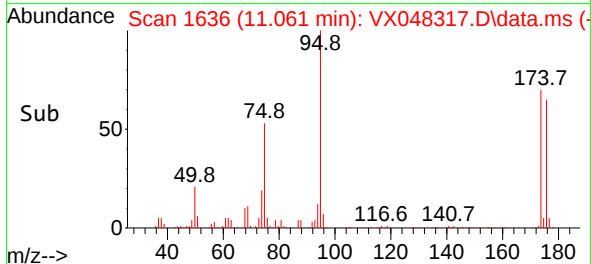
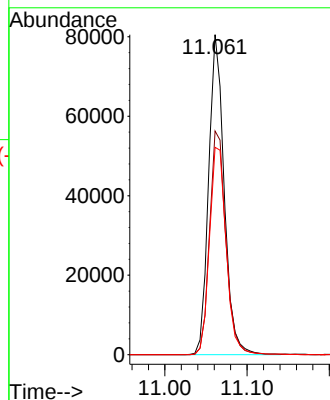
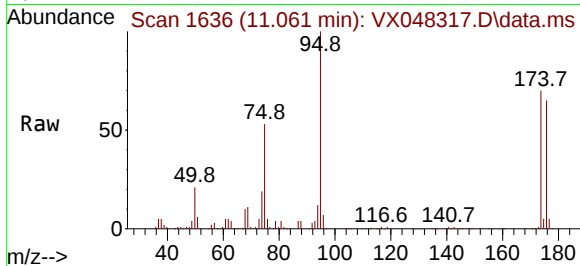




#62
4-Bromofluorobenzene
Concen: 54.255 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

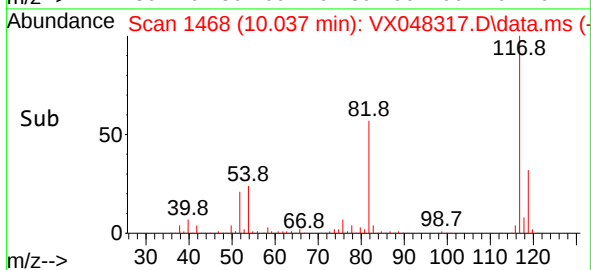
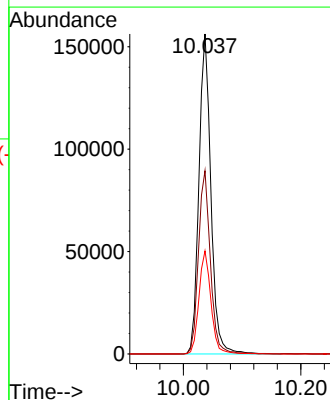
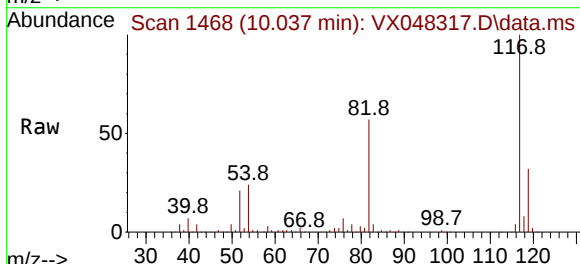
Instrument :
MSVOA_X
ClientSampleId :
IBLK

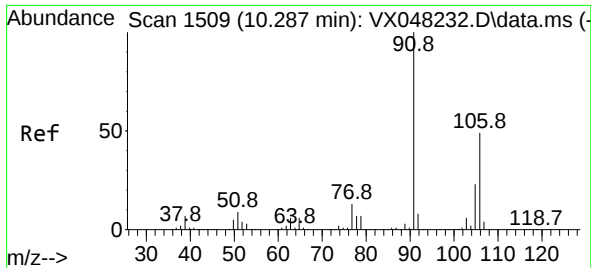
Tgt Ion: 95 Resp: 105717
Ion Ratio Lower Upper
95 100
174 73.4 0.0 147.8
176 69.8 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion: 117 Resp: 220969
Ion Ratio Lower Upper
117 100
82 57.2 46.5 69.7
119 32.2 25.9 38.9

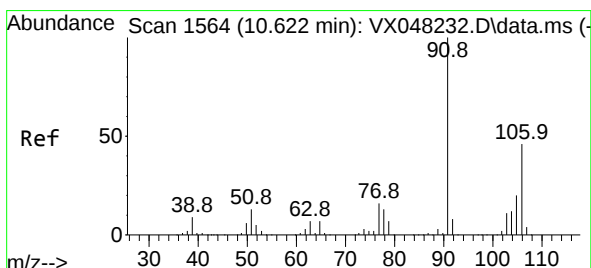
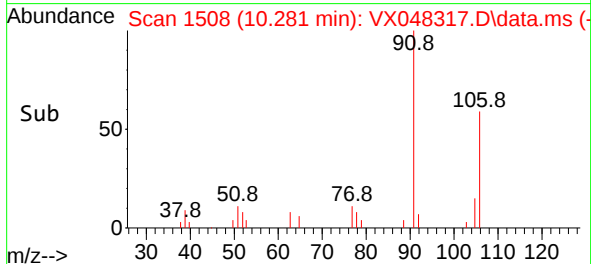
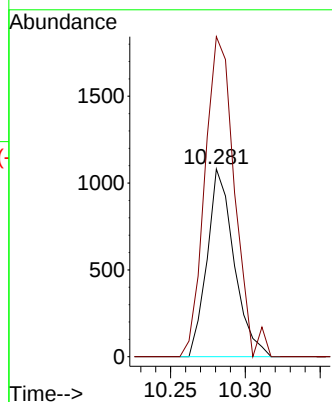
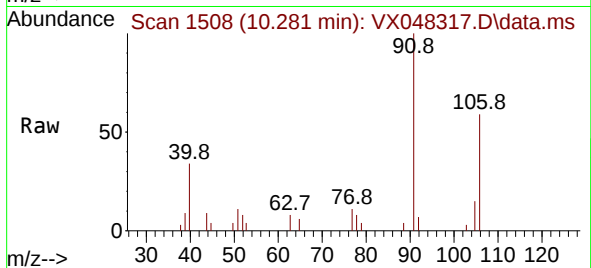




#68
m/p-Xylenes
Concen: 0.431 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

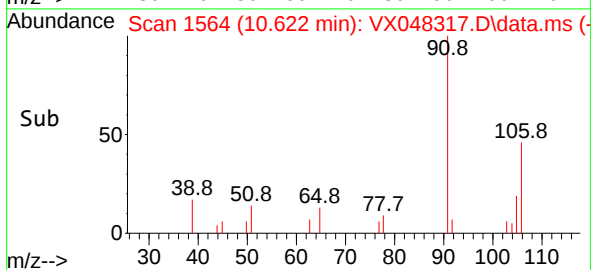
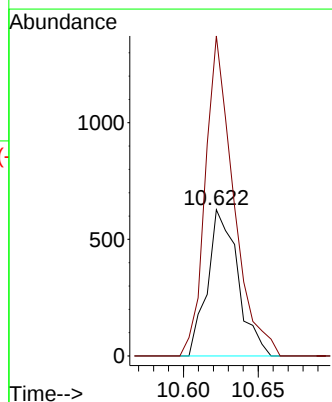
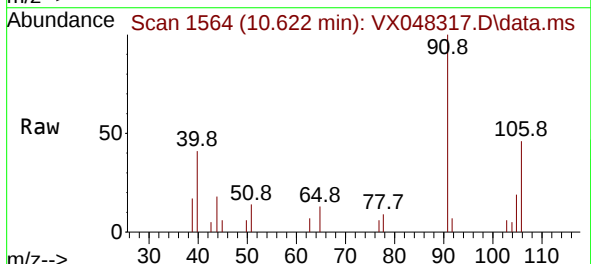
Instrument :
MSVOA_X
ClientSampleId :
IBLK

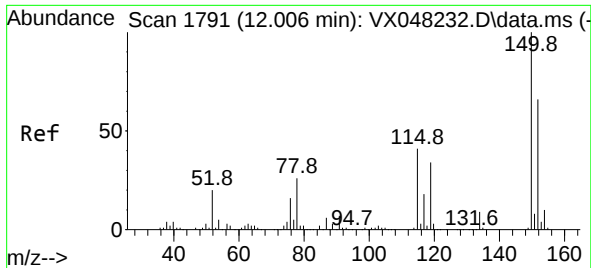
Tgt Ion:106 Resp: 1354
Ion Ratio Lower Upper
106 100
91 187.6 167.9 251.9



#69
o-Xylene
Concen: 0.292 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion:106 Resp: 885
Ion Ratio Lower Upper
106 100
91 203.2 111.3 333.9

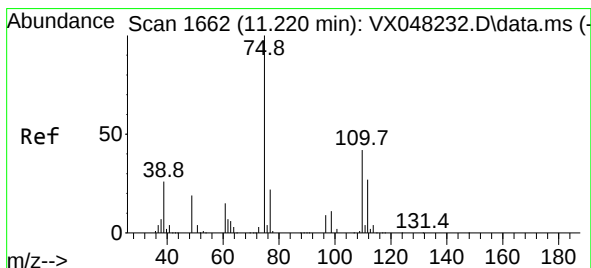
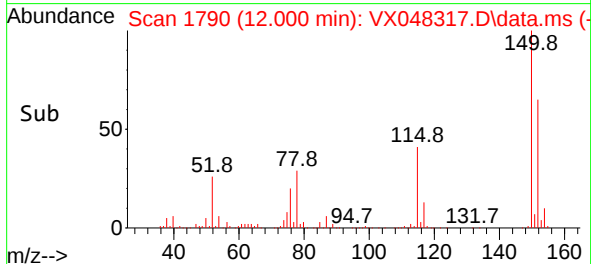
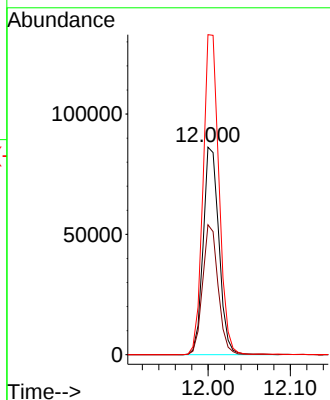
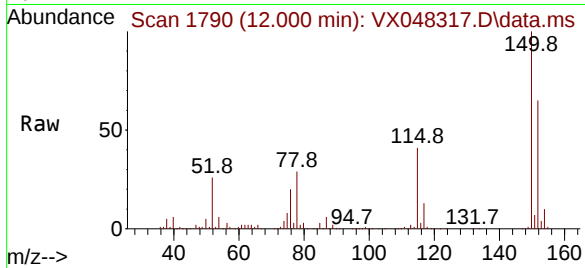




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

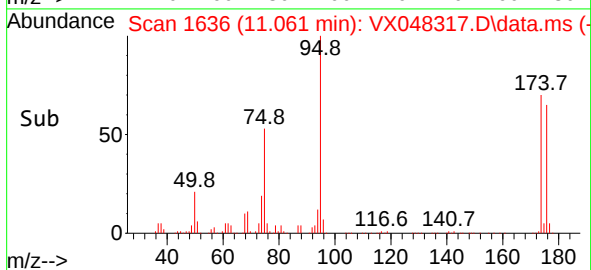
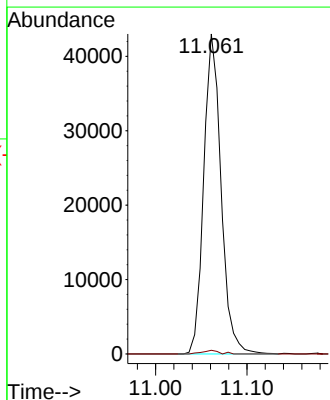
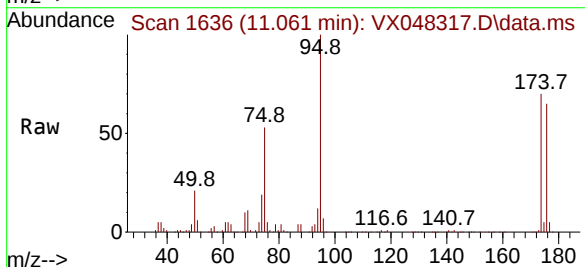
Instrument :
MSVOA_X
ClientSampleId :
IBLK

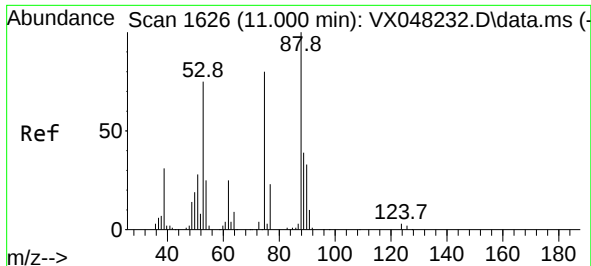
Tgt Ion:152 Resp: 114840
Ion Ratio Lower Upper
152 100
115 61.6 43.1 129.4
150 155.3 0.0 353.0



#76
1,2,3-Trichloropropane
Concen: 30.317 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion: 75 Resp: 56459
Ion Ratio Lower Upper
75 100
77 1.1 22.4 67.2#

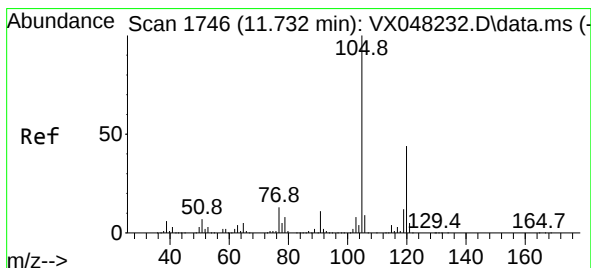
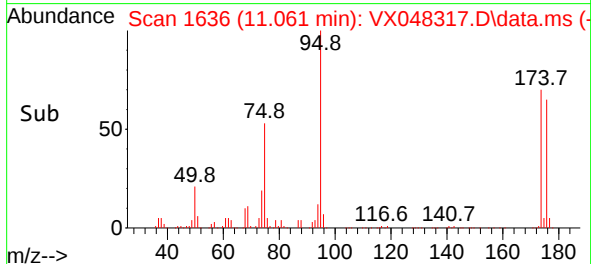
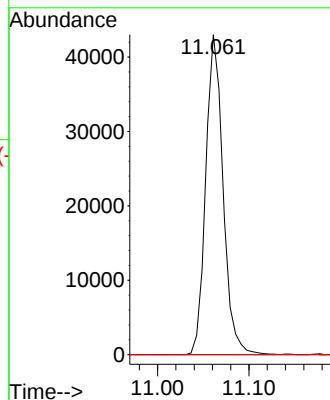
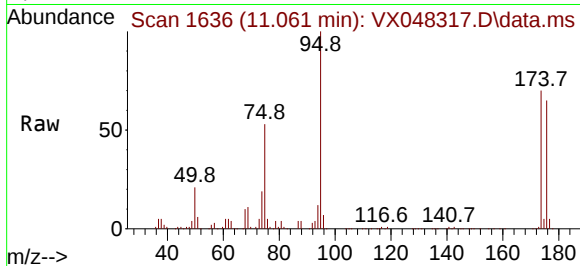




#81
trans-1,4-Dichloro-2-butene
Concen: 73.758 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

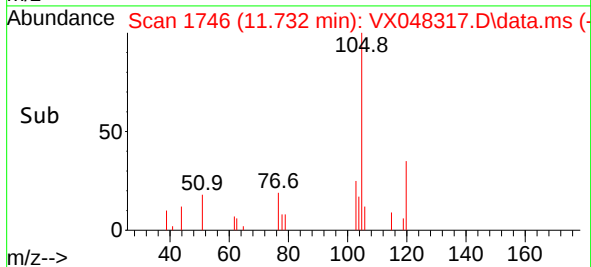
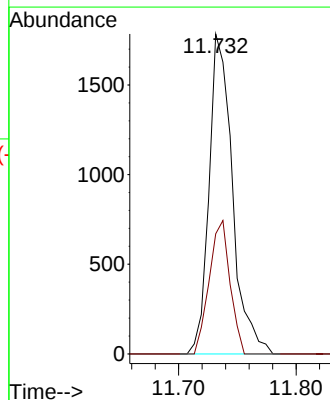
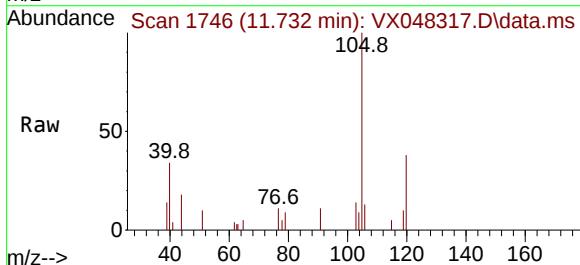
Instrument :
MSVOA_X
ClientSampleId :
IBLK

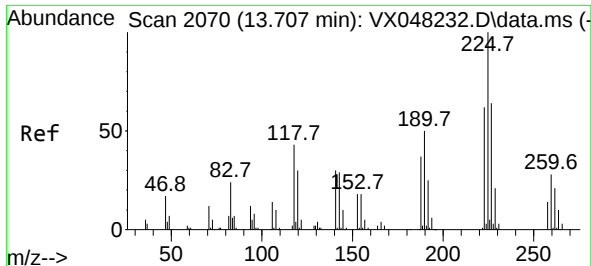
Tgt Ion: 75 Resp: 56459
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.355 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

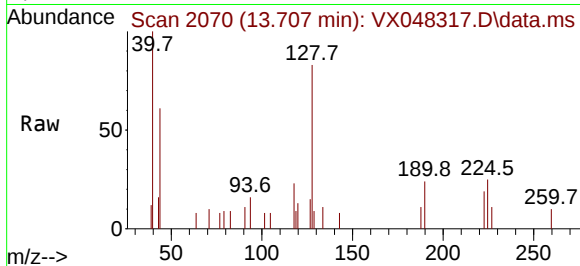
Tgt Ion: 105 Resp: 2456
Ion Ratio Lower Upper
105 100
120 37.1 22.1 66.5



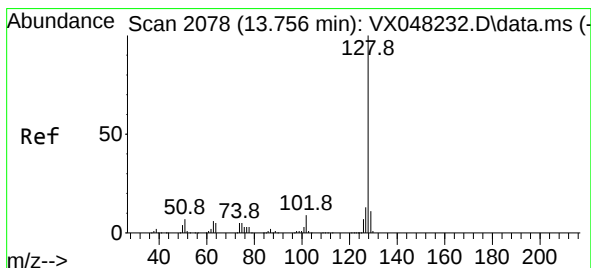
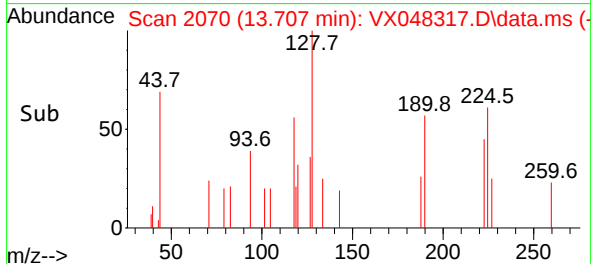
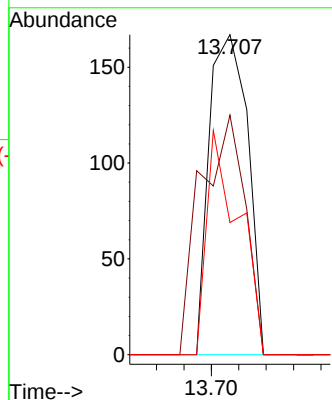


#94
Hexachlorobutadiene
Concen: 0.239 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion:	225	Resp:	163
Ion Ratio	Lower	Upper	
225	100		
223	86.5	32.6	97.7
227	58.3	32.5	97.4



#95
Naphthalene
Concen: 7.277 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048317.D
Acq: 23 Oct 2025 12:21

Tgt Ion:	128	Resp:	48533
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.7	8.6	12.8

