

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048340.D
 Acq On : 24 Oct 2025 09:48
 Operator : JC/MD
 Sample : VX1024WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBL01

Quant Time: Oct 24 23:00:13 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	90540	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	176490	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	165587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	72164	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	66303	52.230	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.460%	
35) Dibromofluoromethane	5.361	113	46939	38.957	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 77.920%	
50) Toluene-d8	8.628	98	182081	43.114	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 86.220%#	
62) 4-Bromofluorobenzene	11.061	95	68609	42.703	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.400%	

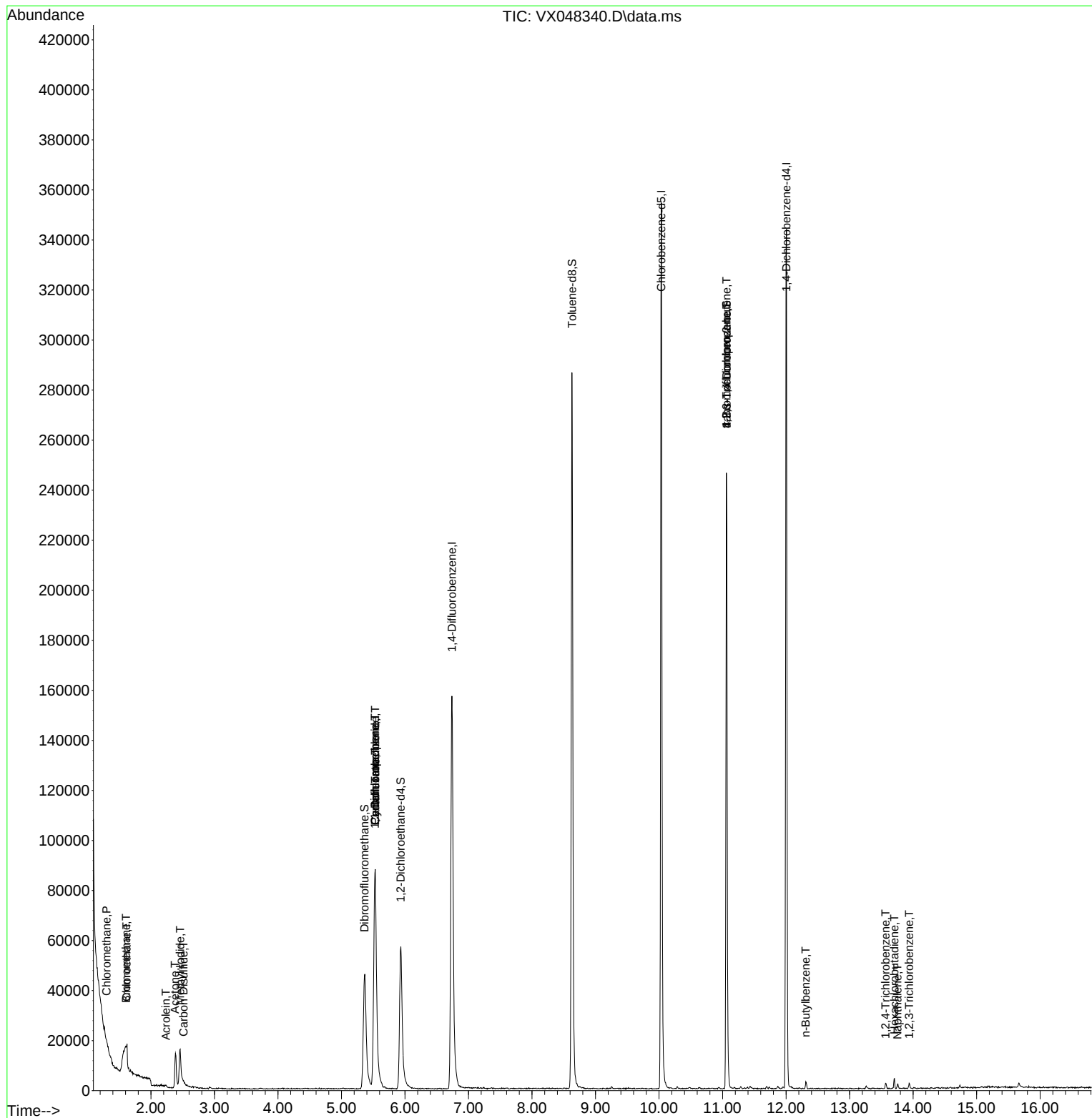
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	436	0.502	ug/l	94
5) Bromomethane	1.605	94	187	0.343	ug/l #	2
6) Chloroethane	1.617	64	176	0.372	ug/l #	45
10) Methyl Iodide	2.459	142	22595	18.396	ug/l	94
13) Acrolein	2.233	56	73	0.568	ug/l #	22
16) Acetone	2.379	43	1310	3.008	ug/l #	82
17) Carbon Disulfide	2.514	76	1303	0.435	ug/l #	75
31) Cyclohexane	5.531	56	1758	1.116	ug/l #	15
36) 1,1-Dichloropropene	5.525	75	7633	4.457	ug/l #	51
38) Carbon Tetrachloride	5.531	117	9991	4.729	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	37330	31.899	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	37330	77.608	ug/l #	10
89) n-Butylbenzene	12.311	91	1210	0.285	ug/l	96
93) 1,2,4-Trichlorobenzene	13.566	180	643	0.406	ug/l	89
94) Hexachlorobutadiene	13.707	225	533	0.965	ug/l	91
95) Naphthalene	13.755	128	1553	0.371	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.938	180	563	0.388	ug/l	96

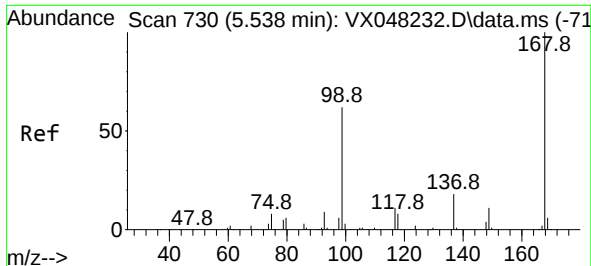
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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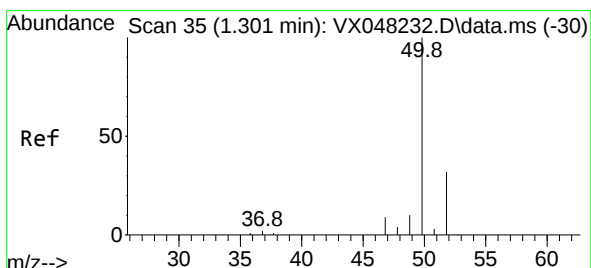
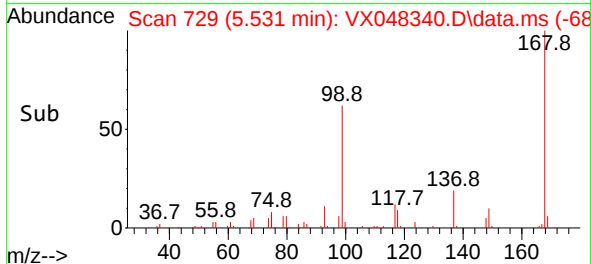
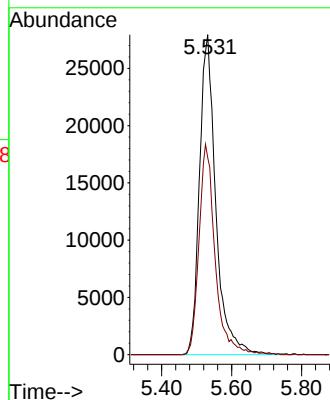
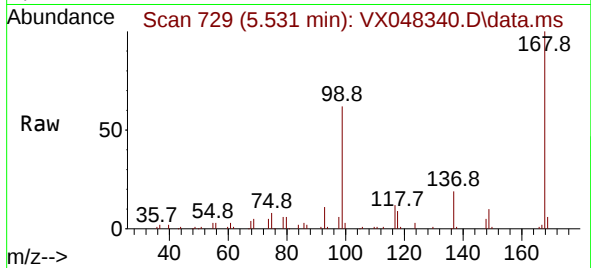




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

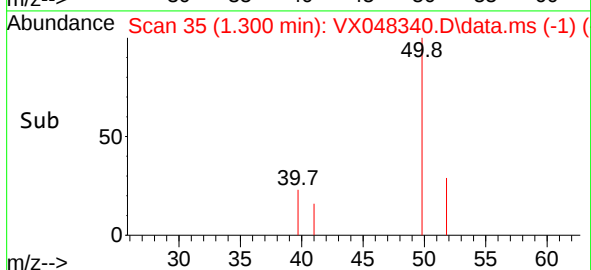
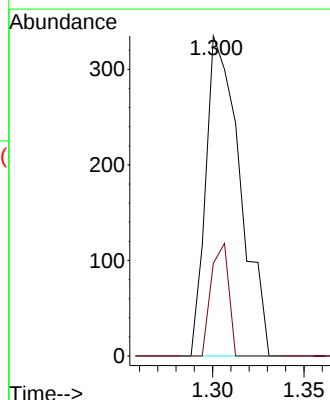
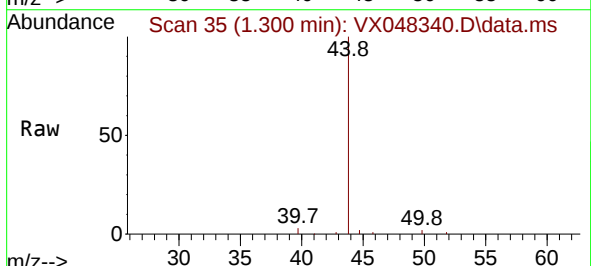
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

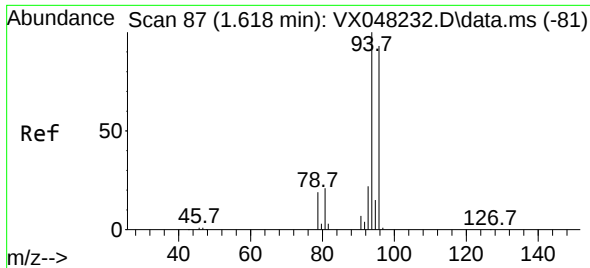
Tgt Ion:168 Resp: 90540
Ion Ratio Lower Upper
168 100
99 61.6 46.4 69.6



#3
Chloromethane
Concen: 0.502 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Tgt Ion: 50 Resp: 436
Ion Ratio Lower Upper
50 100
52 29.0 25.9 38.9

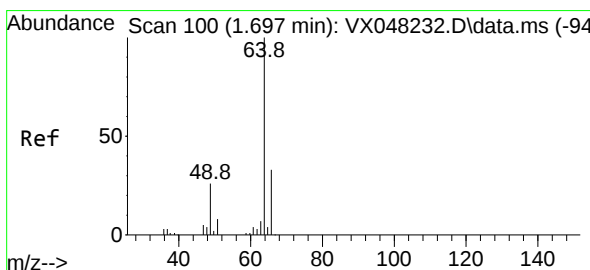
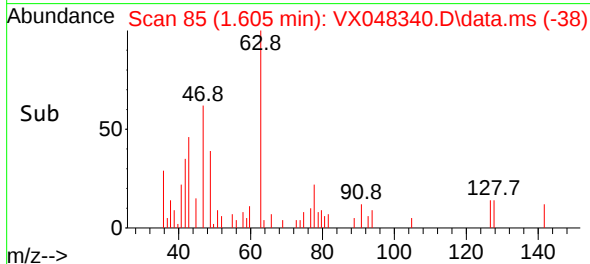
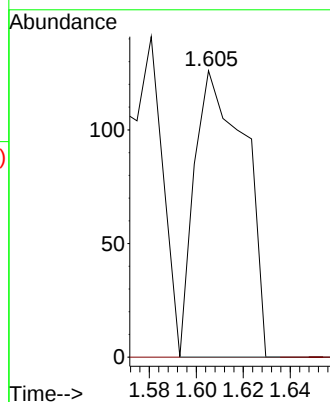
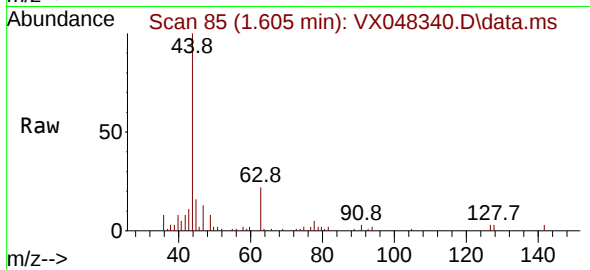




#5
Bromomethane
Concen: 0.343 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

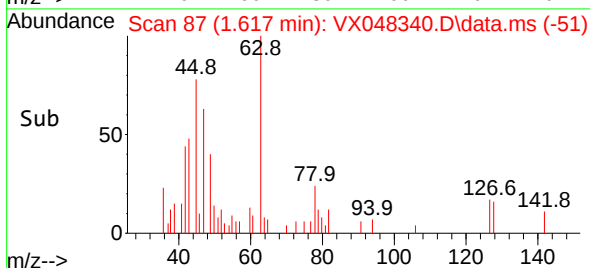
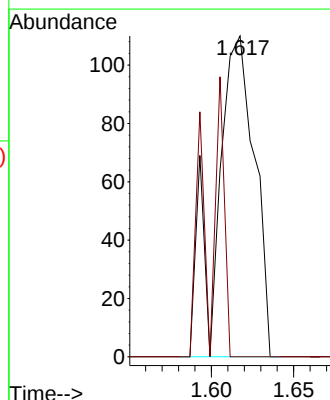
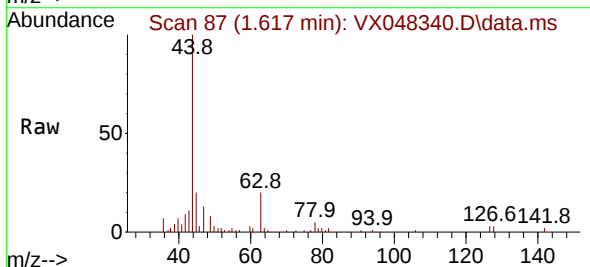
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

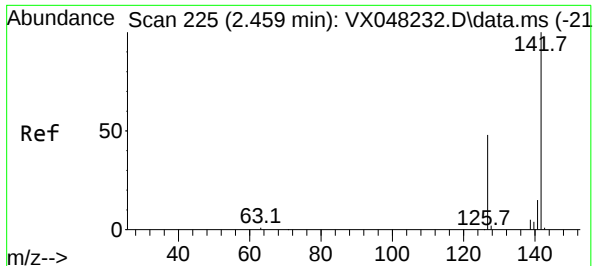
Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.079 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

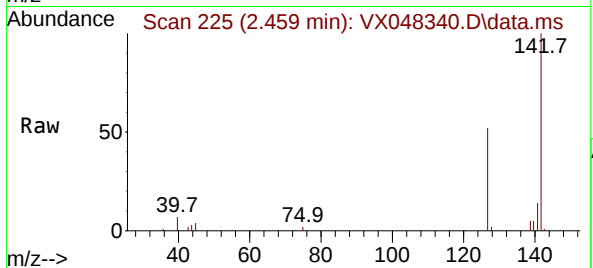
Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



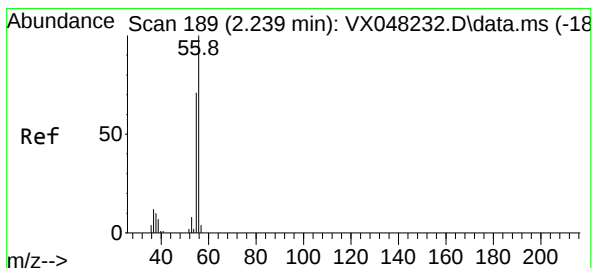
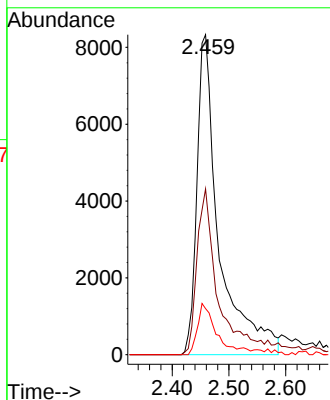
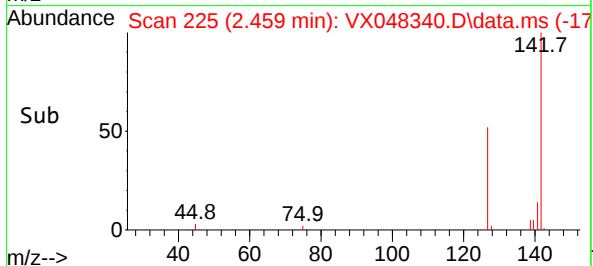


#10
Methyl Iodide
Concen: 18.396 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

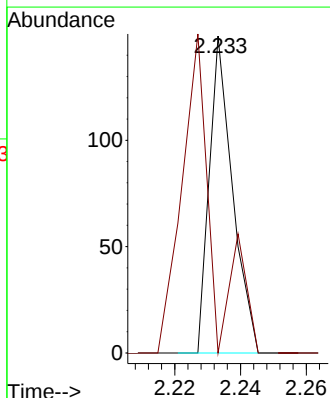
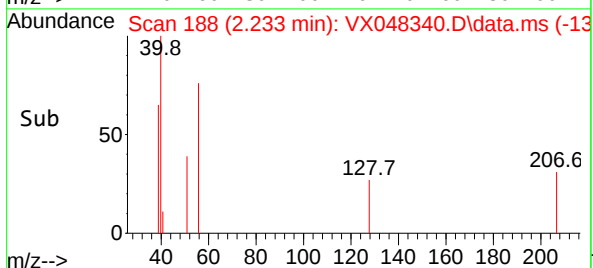
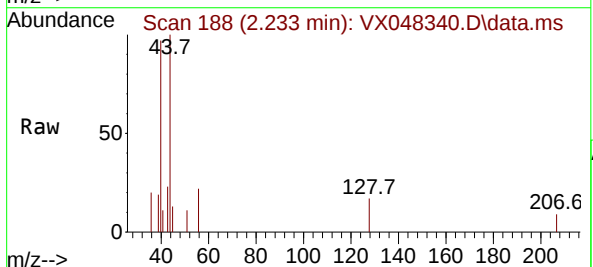


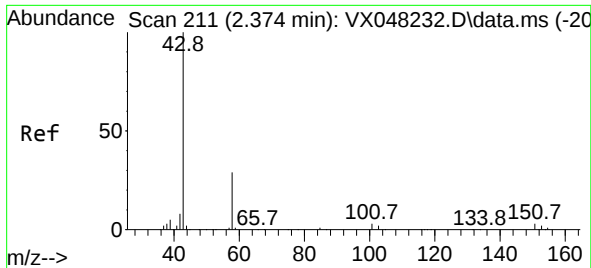
Tgt Ion:142 Resp: 22595
Ion Ratio Lower Upper
142 100
127 52.9 38.5 57.7
141 13.9 11.6 17.4



#13
Acrolein
Concen: 0.568 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 134.2 56.1 84.1#





#16

Acetone

Concen: 3.008 ug/l

RT: 2.379 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

Instrument :

MSVOA_X

ClientSampleId :

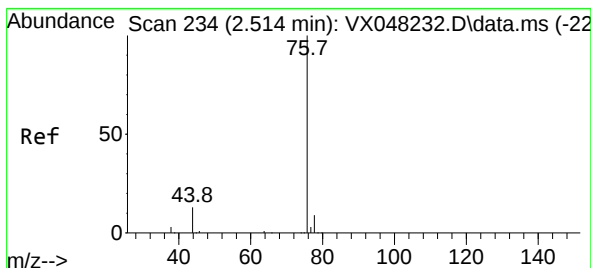
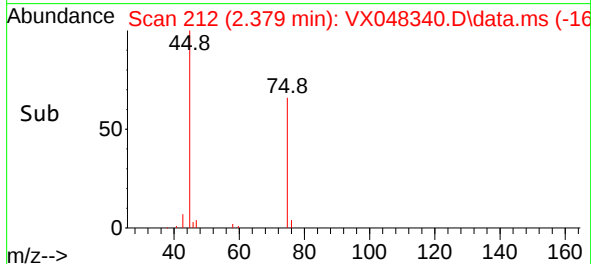
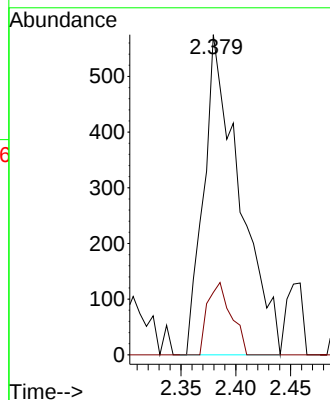
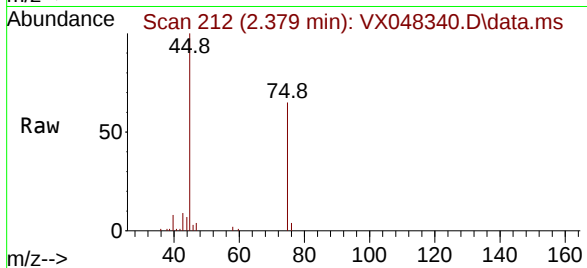
VX1024WBL01

Tgt Ion: 43 Resp: 1310

Ion Ratio Lower Upper

43 100

58 19.5 23.4 35.2#



#17

Carbon Disulfide

Concen: 0.435 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX048340.D

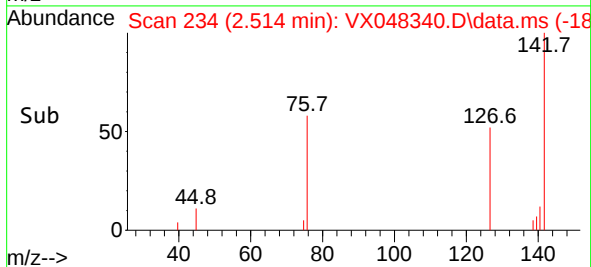
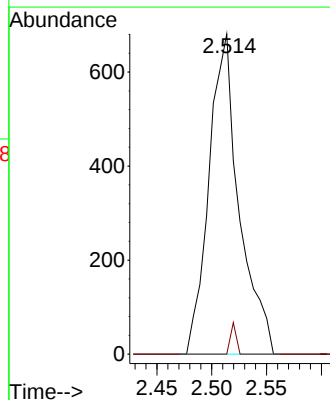
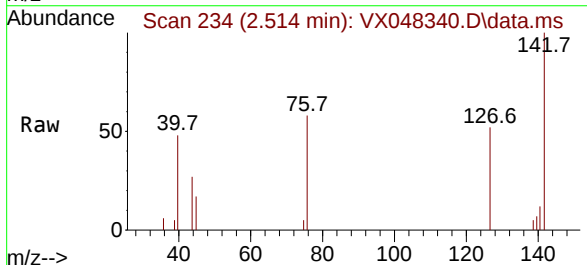
Acq: 24 Oct 2025 09:48

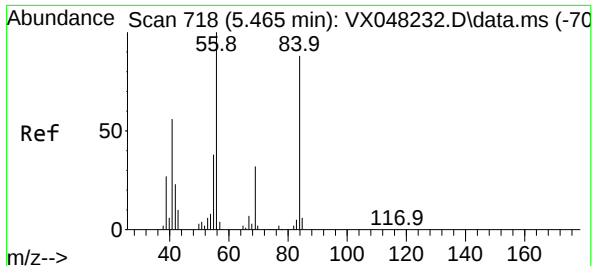
Tgt Ion: 76 Resp: 1303

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

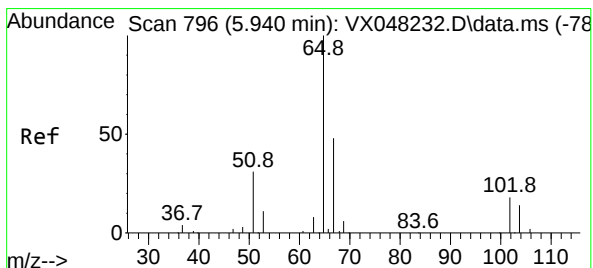
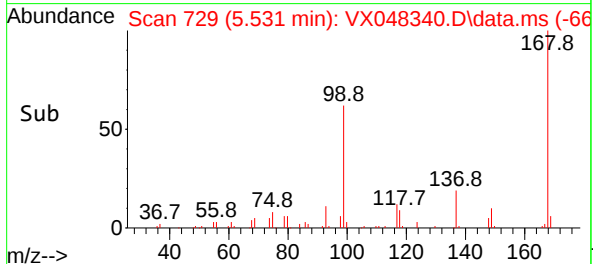
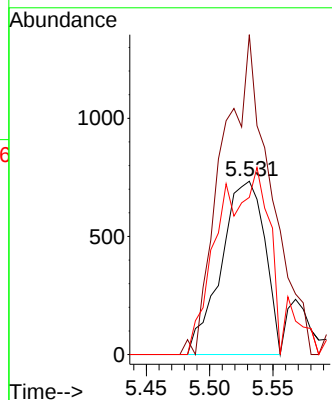
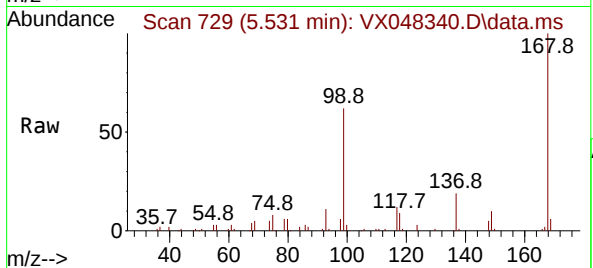




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

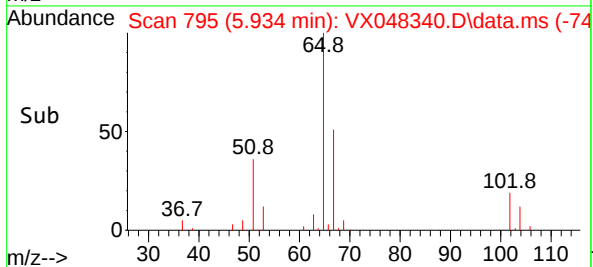
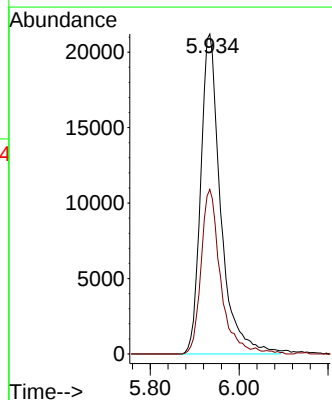
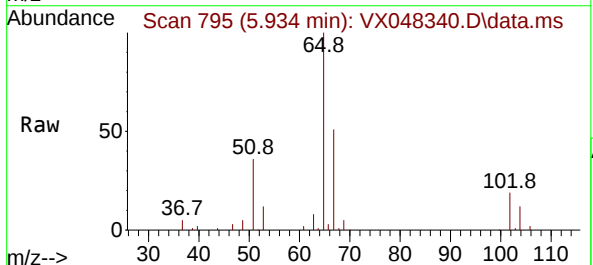
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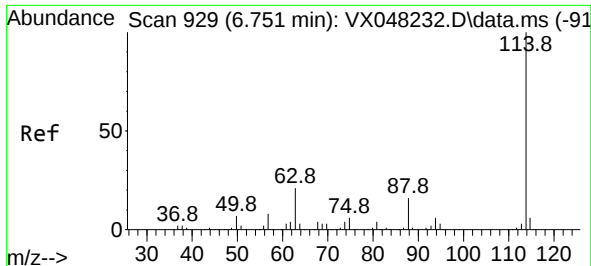
Tgt Ion: 56 Resp: 1758
Ion Ratio Lower Upper
56 100
69 184.5 23.0 34.6#
84 90.6 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 52.230 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Tgt Ion: 65 Resp: 66303
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.738 min Scan# 91

Delta R.T. -0.007 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL01

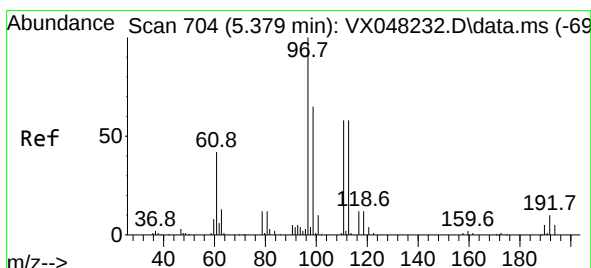
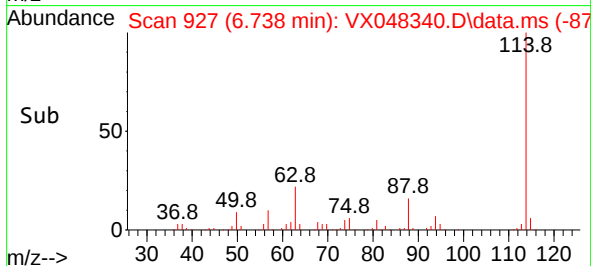
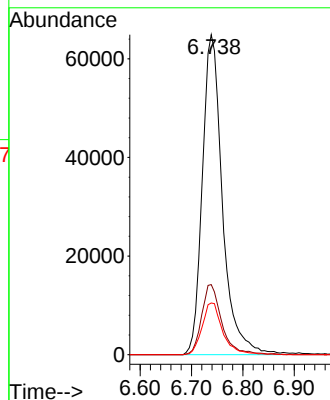
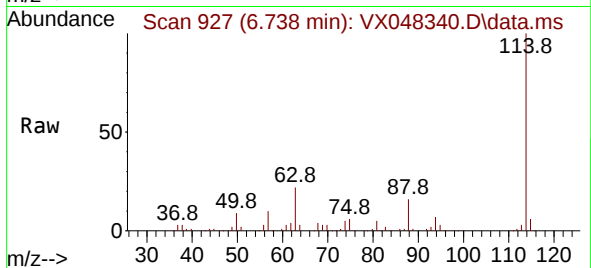
Tgt Ion:114 Resp: 176490

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.1 0.0 33.6



#35

Dibromofluoromethane

Concen: 38.957 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

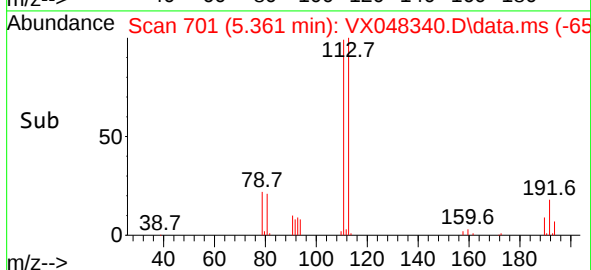
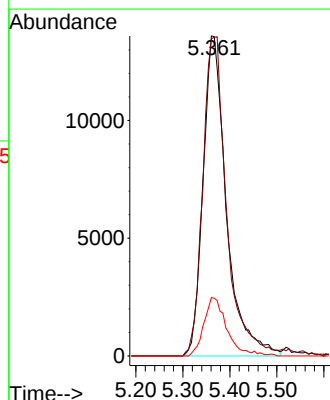
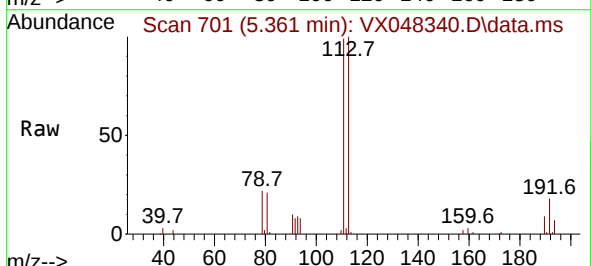
Tgt Ion:113 Resp: 46939

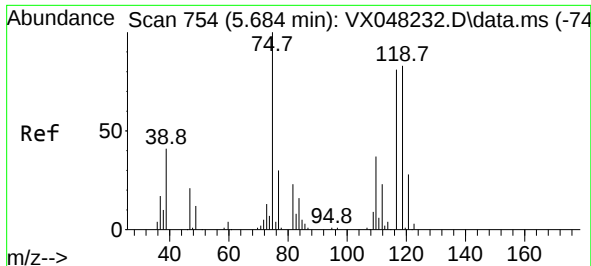
Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

192 18.0 15.1 22.7

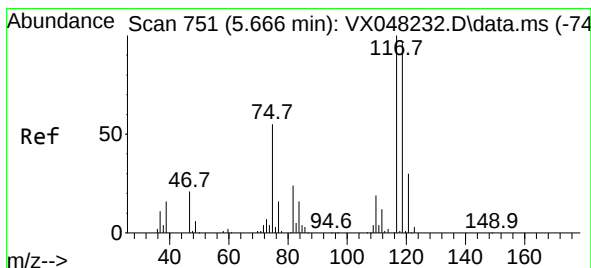
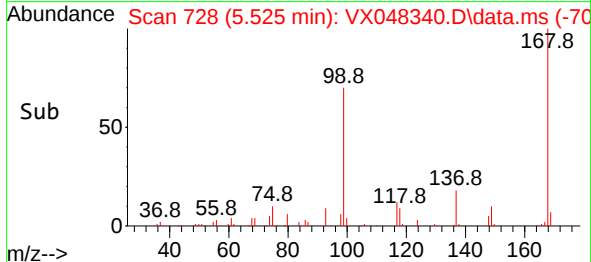
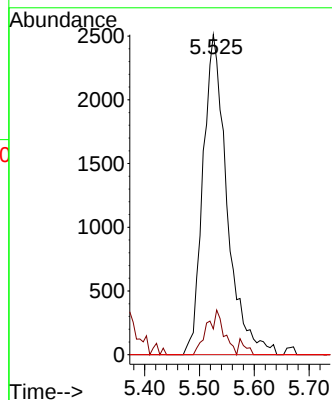
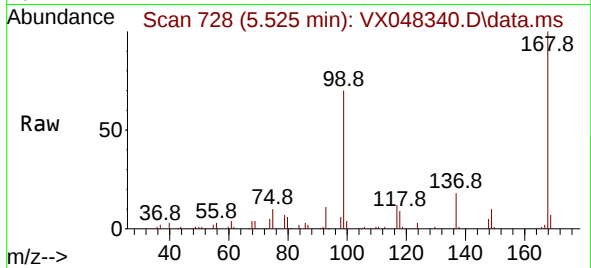




#36
1,1-Dichloropropene
Concen: 4.457 ug/l
RT: 5.525 min Scan# 71
Delta R.T. -0.159 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

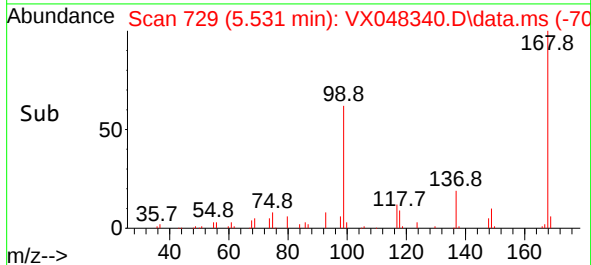
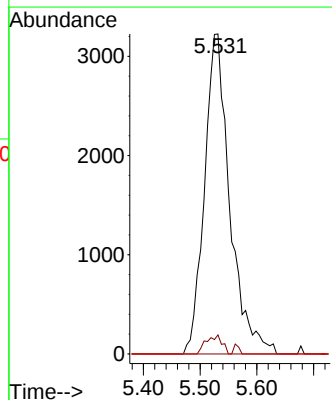
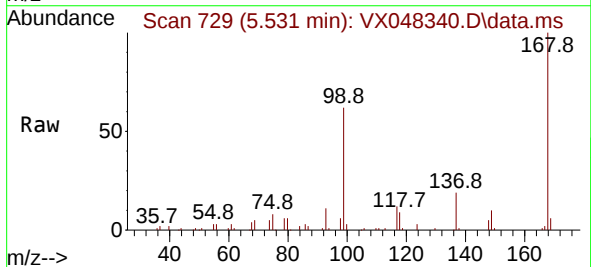
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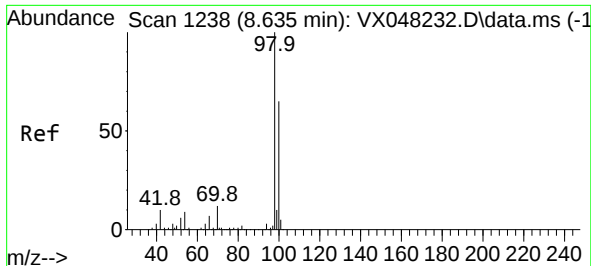
Tgt Ion: 75 Resp: 7633
Ion Ratio Lower Upper
75 100
110 9.9 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.729 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Tgt Ion: 117 Resp: 9991
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 24.8 37.2#

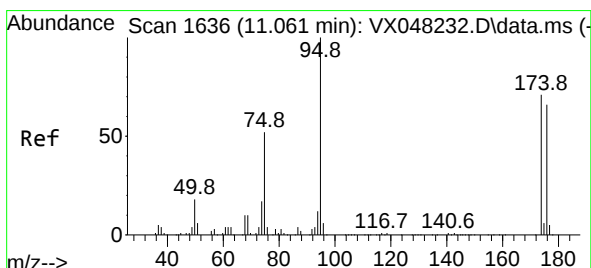
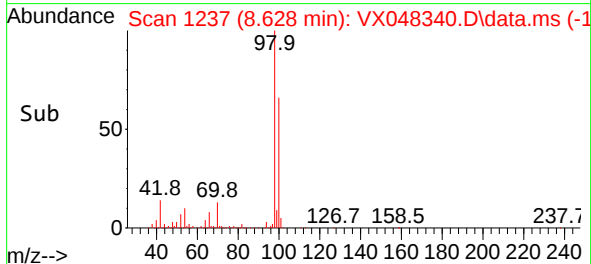
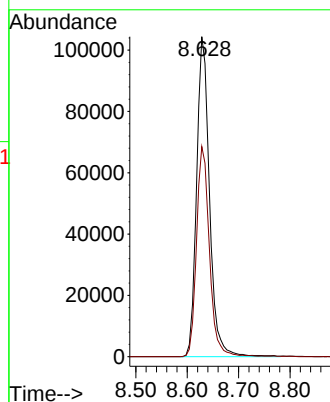
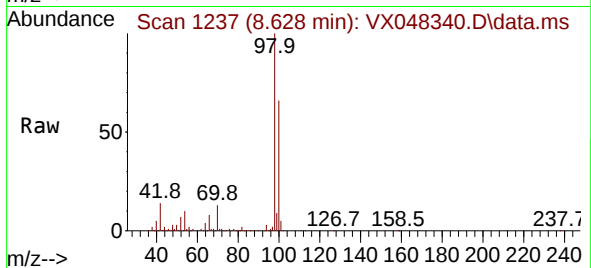




#50
Toluene-d8
Concen: 43.114 ug/l
RT: 8.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

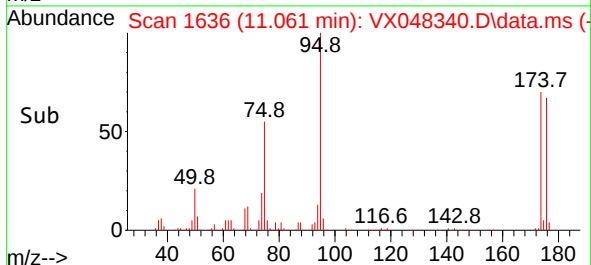
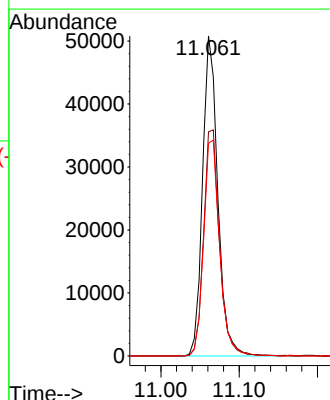
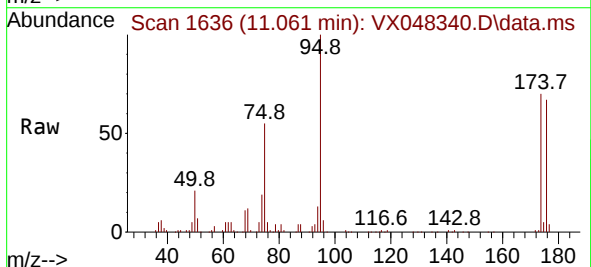
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

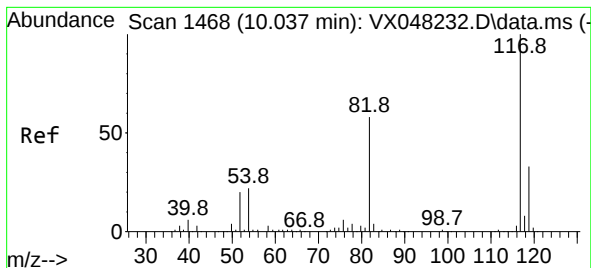
Tgt Ion: 98 Resp: 182081
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.703 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Tgt Ion: 95 Resp: 68609
Ion Ratio Lower Upper
95 100
174 73.6 0.0 147.8
176 71.0 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: VX048340.D

Acq: 24 Oct 2025 09:48

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL01

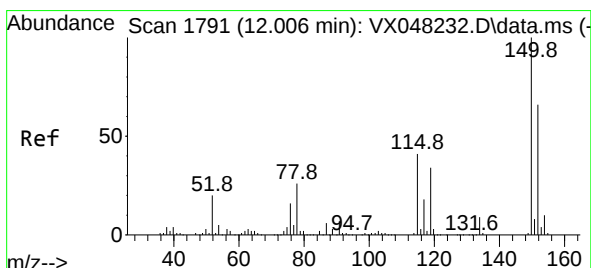
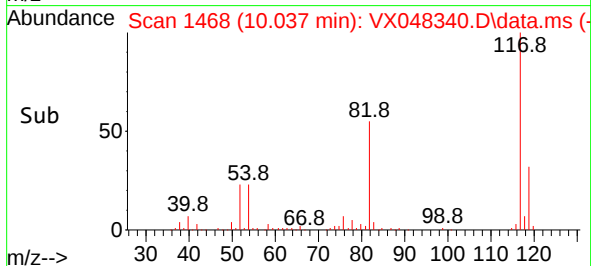
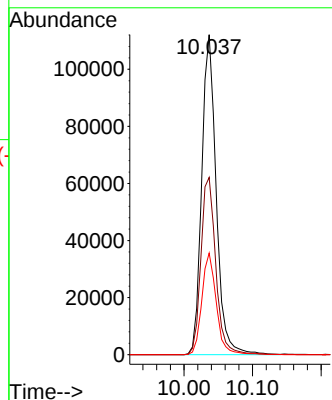
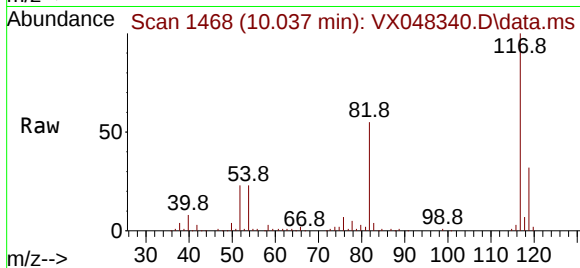
Tgt Ion:117 Resp: 165587

Ion Ratio Lower Upper

117 100

82 55.4 46.5 69.7

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

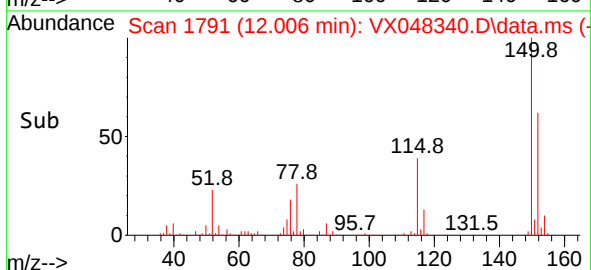
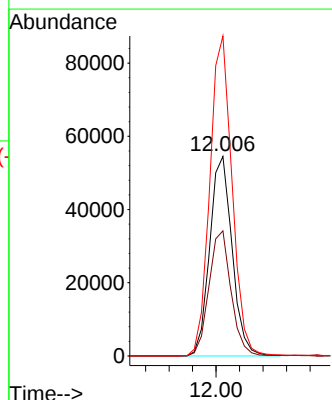
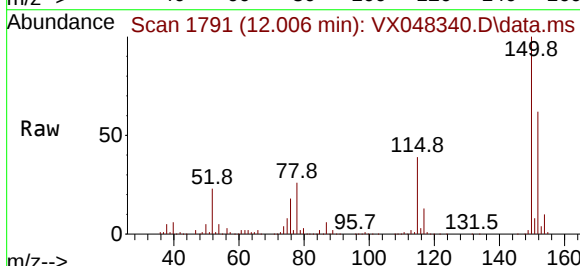
Tgt Ion:152 Resp: 72164

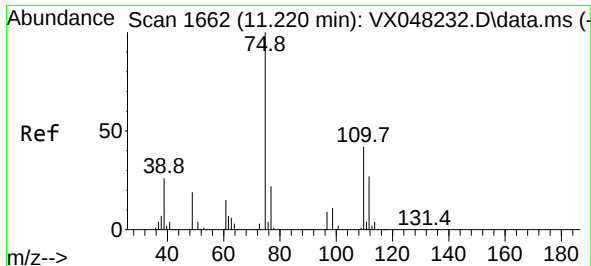
Ion Ratio Lower Upper

152 100

115 61.9 43.1 129.4

150 159.8 0.0 353.0

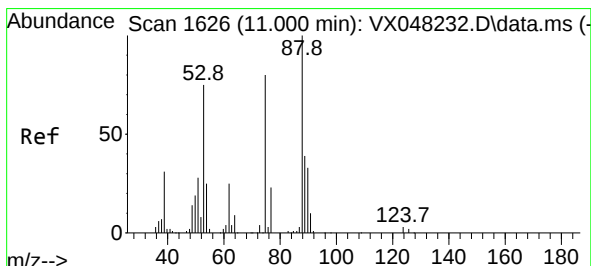
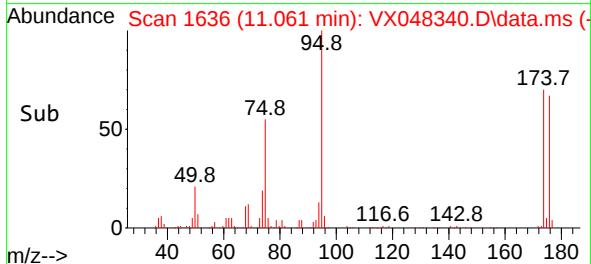
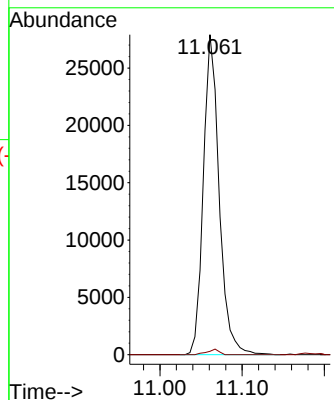
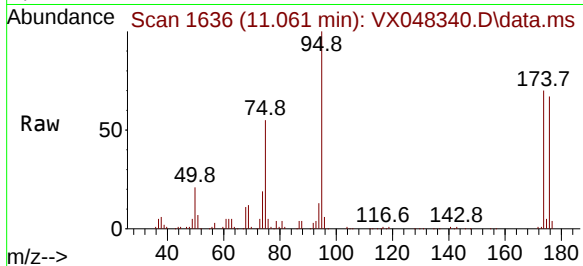




#76
1,2,3-Trichloropropane
Concen: 31.899 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

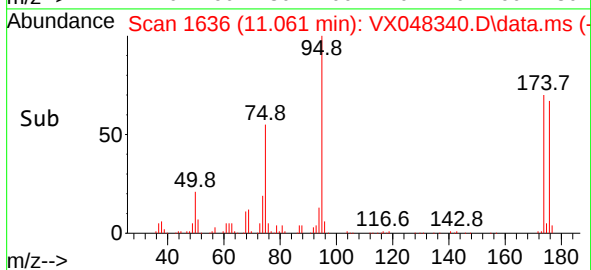
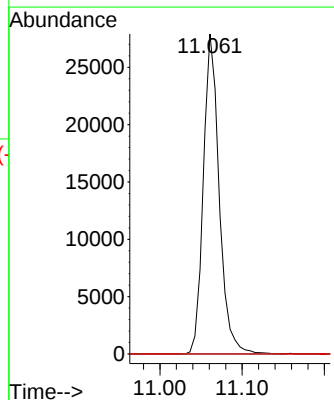
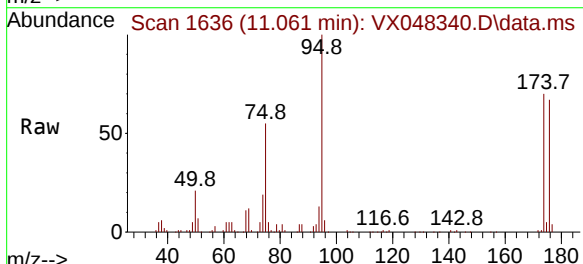
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

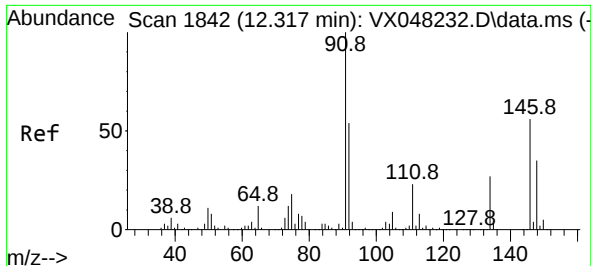
Tgt Ion: 75 Resp: 37330
Ion Ratio Lower Upper
75 100
77 1.3 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.608 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Tgt Ion: 75 Resp: 37330
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

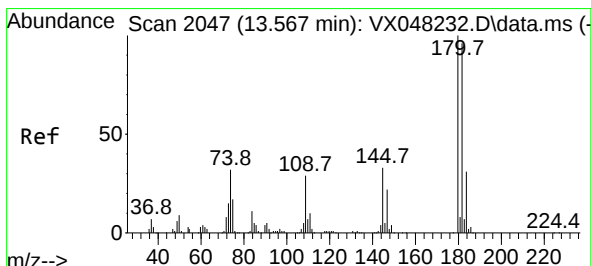
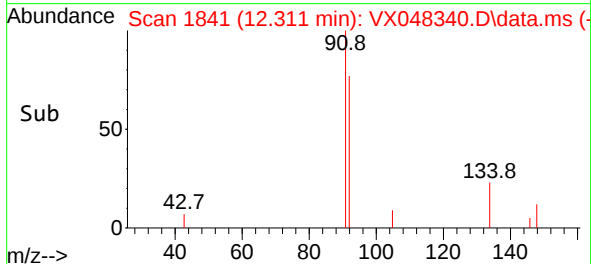
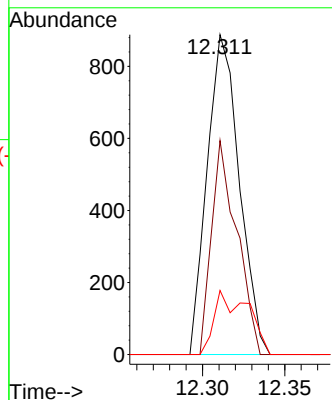
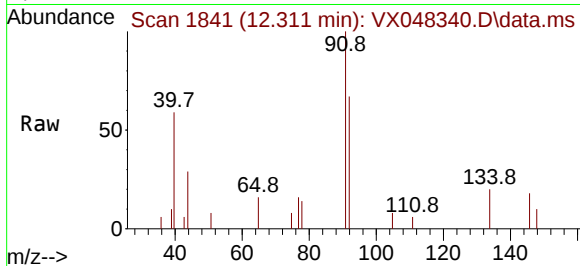




#89
n-Butylbenzene
Concen: 0.285 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

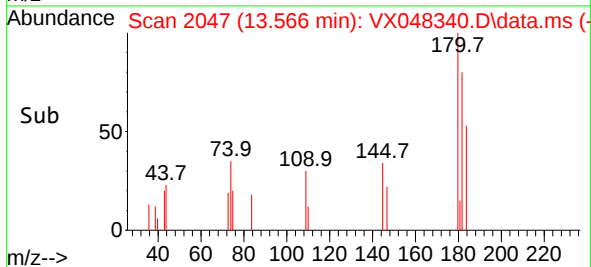
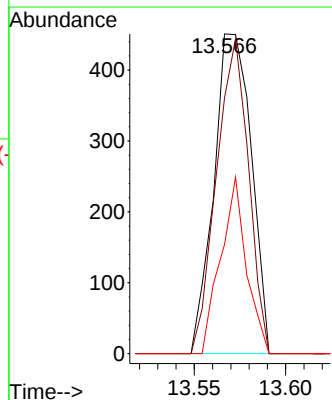
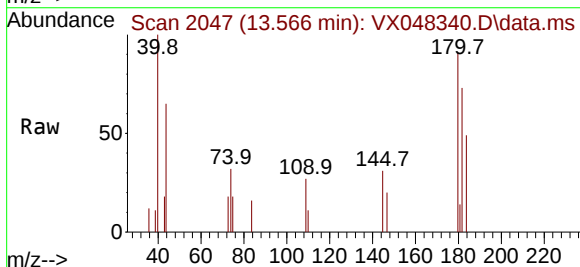
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

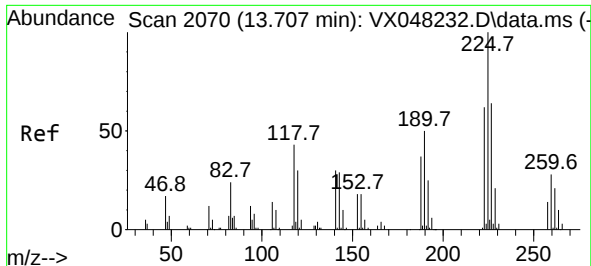
Tgt Ion:	91	Resp:	1210
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.9	80.6
134	20.9	12.7	38.1



#93
1,2,4-Trichlorobenzene
Concen: 0.406 ug/l
RT: 13.566 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

Tgt Ion:	180	Resp:	643
Ion	Ratio	Lower	Upper
180	100		
182	84.1	47.3	142.0
145	37.9	16.3	48.9

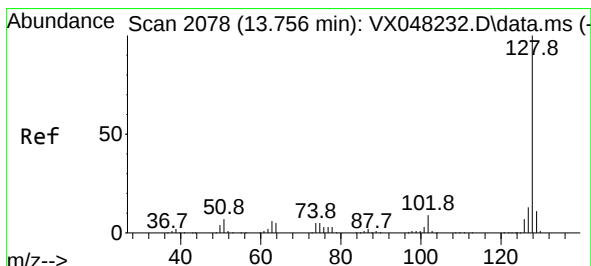
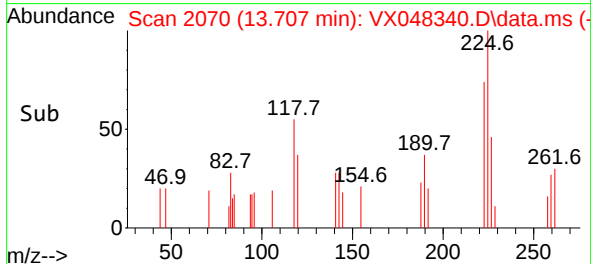
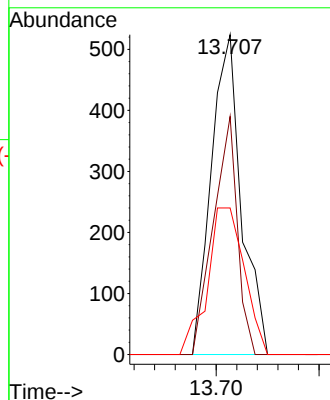
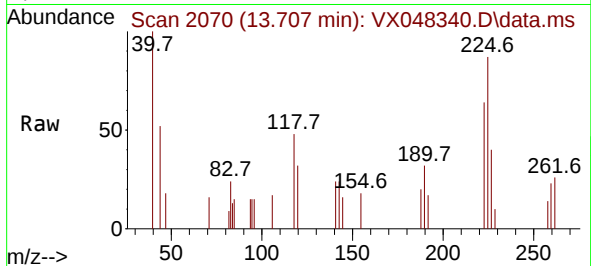




#94
Hexachlorobutadiene
Concen: 0.965 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

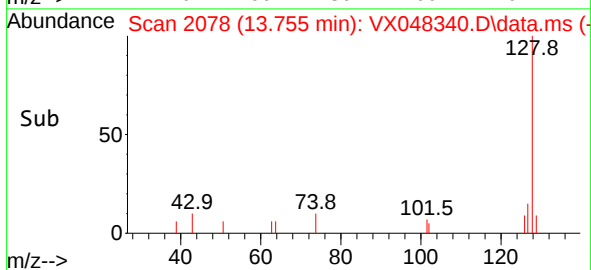
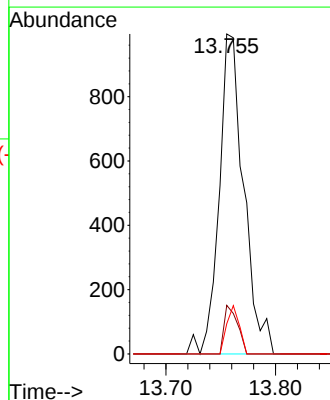
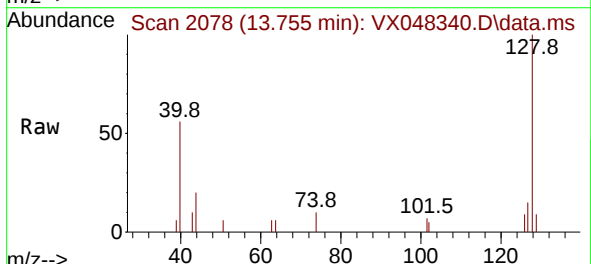
Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

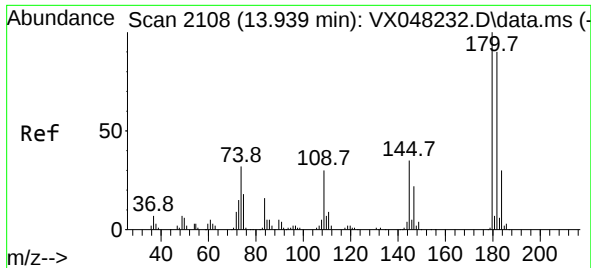
Tgt Ion:	225	Resp:	533
Ion	Ratio	Lower	Upper
225	100		
223	59.3	32.6	97.7
227	56.5	32.5	97.4



#95
Naphthalene
Concen: 0.371 ug/l
RT: 13.755 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048340.D
Acq: 24 Oct 2025 09:48

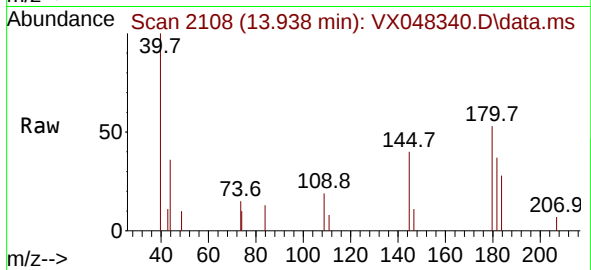
Tgt Ion:	128	Resp:	1553
Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.2	15.4#
129	7.7	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.388 ug/l
 RT: 13.938 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX048340.D
 Acq: 24 Oct 2025 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBL01



Tgt Ion:	180	Resp:	563
Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.6	139.7
145	37.7	16.9	50.7

