

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
 Data File : VX048406.D
 Acq On : 29 Oct 2025 10:51
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 30 02:18:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:16:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	118058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	237217	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123296	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	84903	50.006	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.020%	
35) Dibromofluoromethane	5.373	113	62928	46.528	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.060%	
50) Toluene-d8	8.634	98	261288	43.766	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 87.540%#	
62) 4-Bromofluorobenzene	11.061	95	112844	50.528	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.060%	

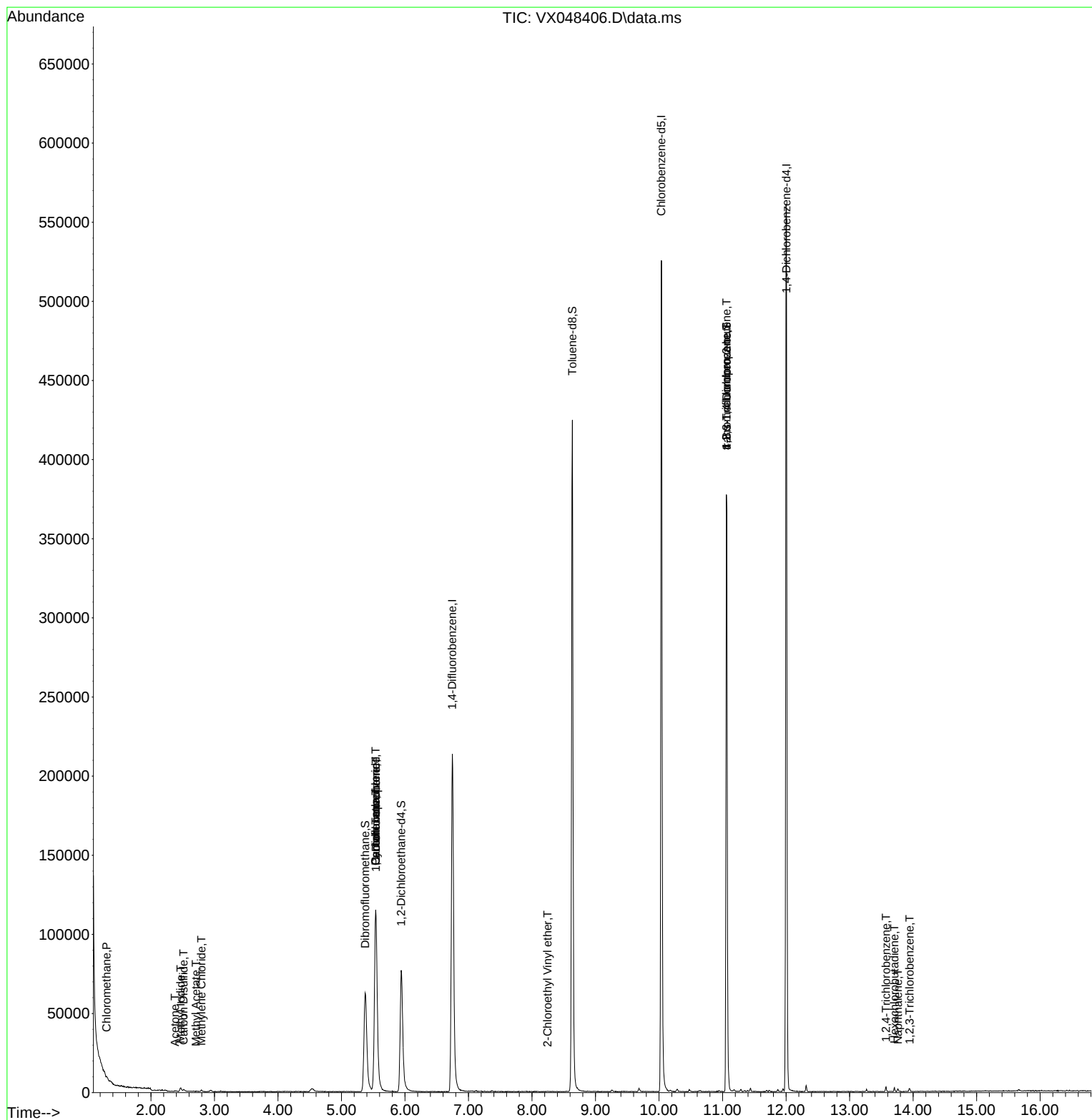
Target Compounds			Qvalue			
3) Chloromethane	1.300	50	143	0.210	ug/l #	42
10) Methyl Iodide	2.465	142	2992	0.550	ug/l	93
16) Acetone	2.380	43	515	1.338	ug/l #	45
17) Carbon Disulfide	2.514	76	1213	0.308	ug/l #	75
18) Methyl Acetate	2.709	43	323	0.251	ug/l #	54
20) Methylene Chloride	2.794	84	514	0.347	ug/l #	71
31) Cyclohexane	5.537	56	2472	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9679	4.262	ug/l #	45
38) Carbon Tetrachloride	5.537	117	12069	4.602	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.244	63	110	9.372	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	57806	30.060	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	57806	112.818	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.573	180	820	0.298	ug/l	95
94) Hexachlorobutadiene	13.707	225	415	0.360	ug/l	85
95) Naphthalene	13.762	128	1455	0.209	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.945	180	701	0.281	ug/l	86

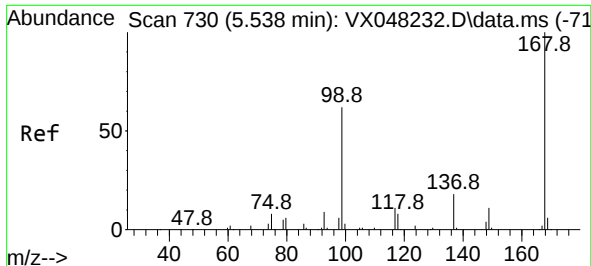
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 02:18:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

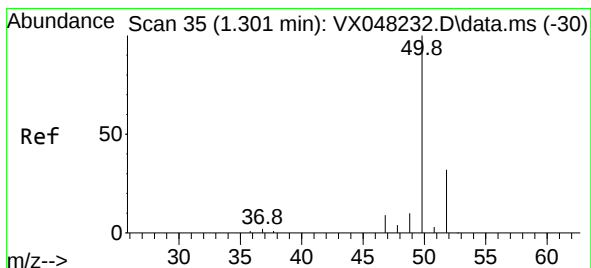
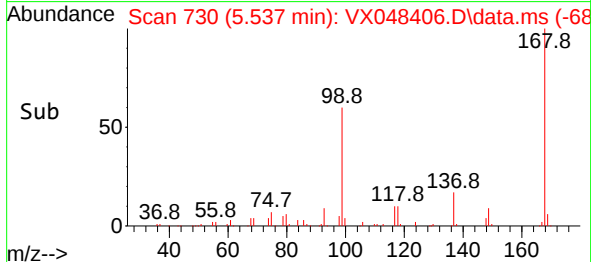
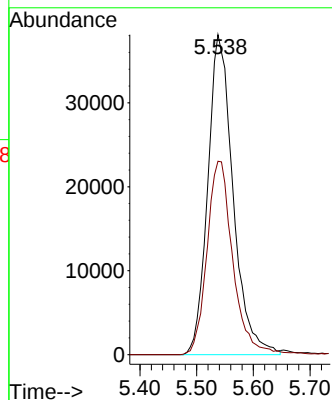
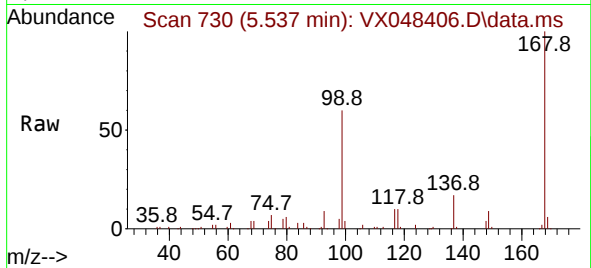




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

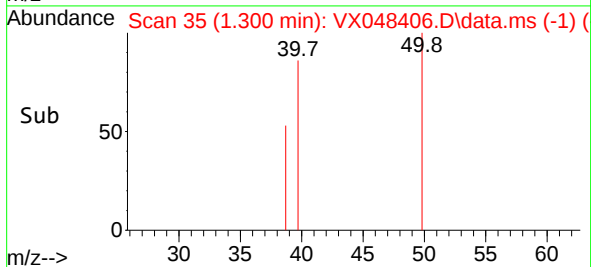
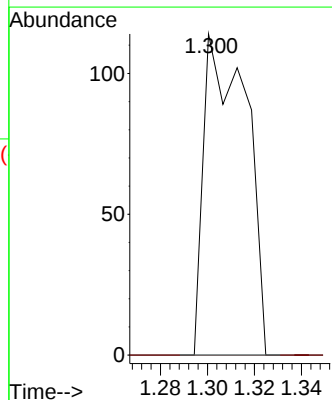
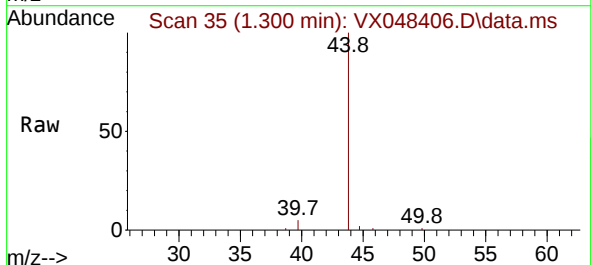
Instrument :
MSVOA_X
ClientSampleId :
IBLK

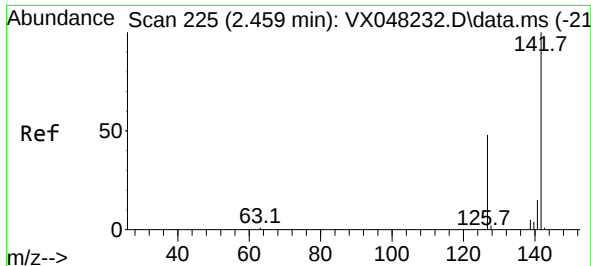
Tgt Ion:168 Resp: 118058
Ion Ratio Lower Upper
168 100
99 60.4 46.4 69.6



#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

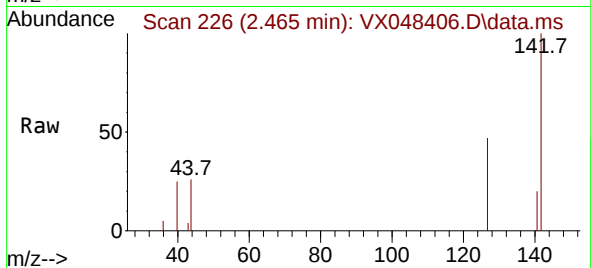
Tgt Ion: 50 Resp: 143
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#



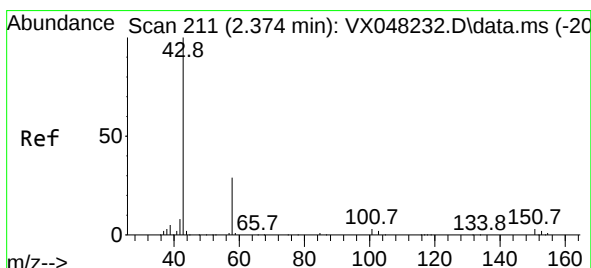
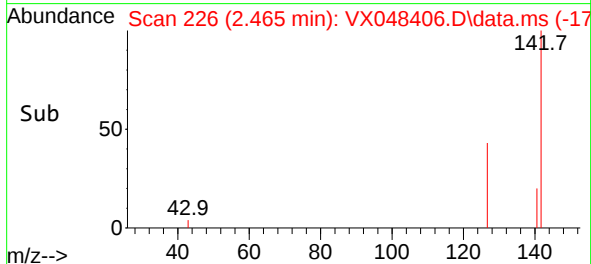
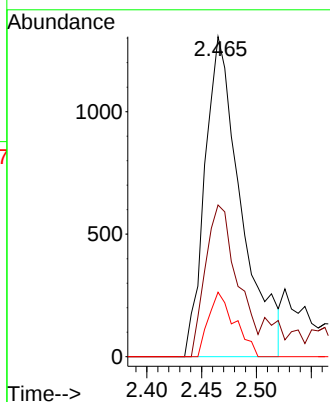


#10
Methyl Iodide
Concen: 0.550 ug/l
RT: 2.465 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
IBLK

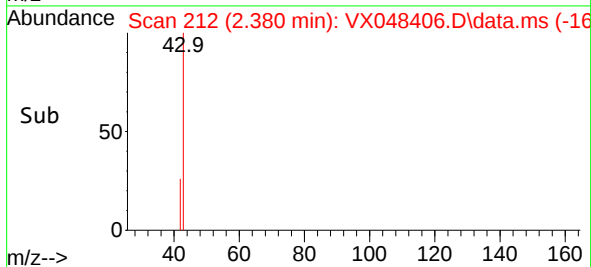
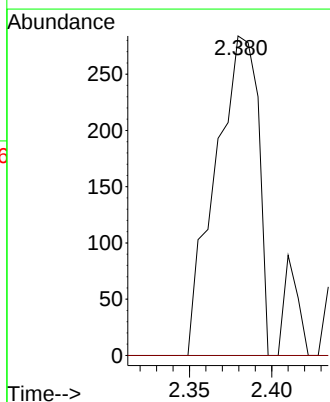
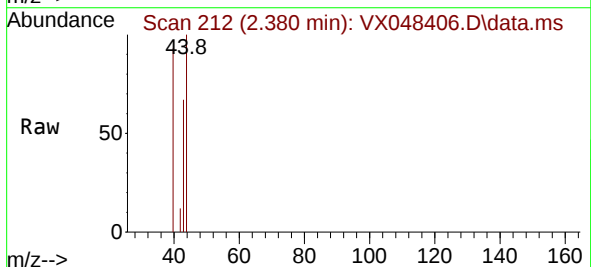


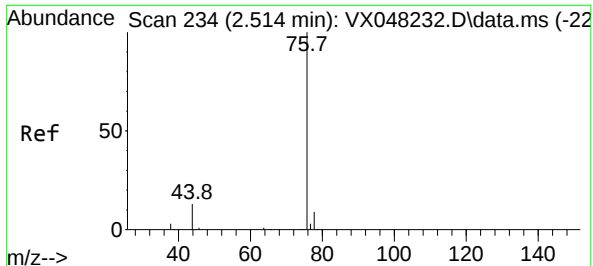
Tgt Ion:142 Resp: 2992
Ion Ratio Lower Upper
142 100
127 42.2 38.5 57.7
141 14.7 11.6 17.4



#16
Acetone
Concen: 1.338 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.2#





#17

Carbon Disulfide

Concen: 0.308 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048406.D

Acq: 29 Oct 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

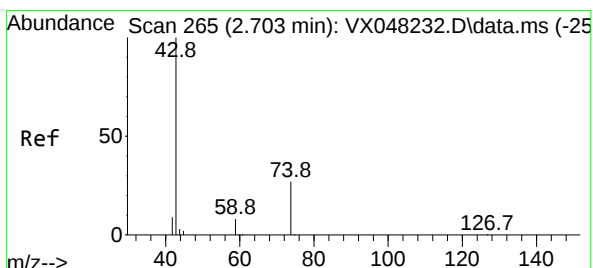
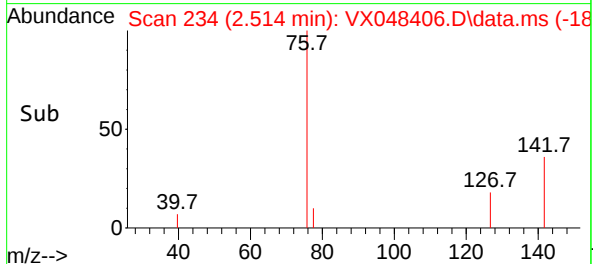
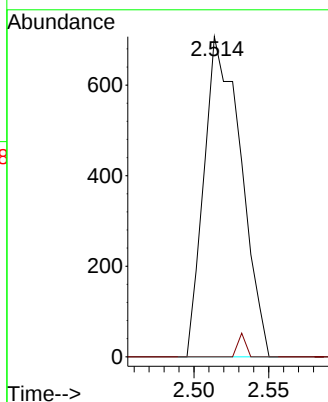
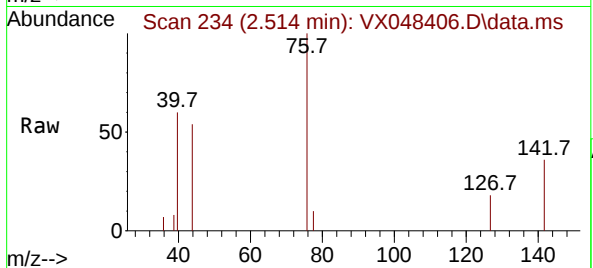
IBLK

Tgt Ion: 76 Resp: 1213

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.251 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.012 min

Lab File: VX048406.D

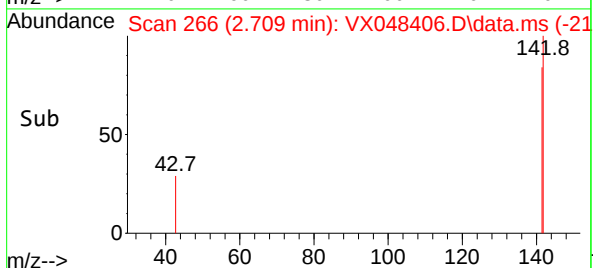
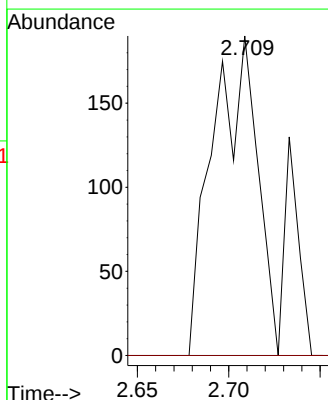
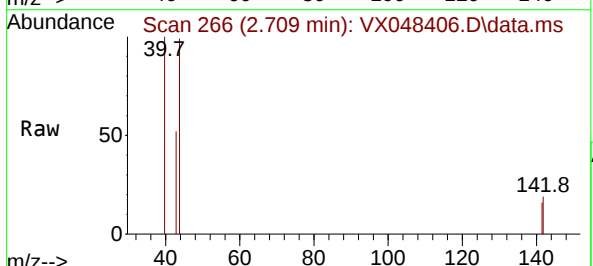
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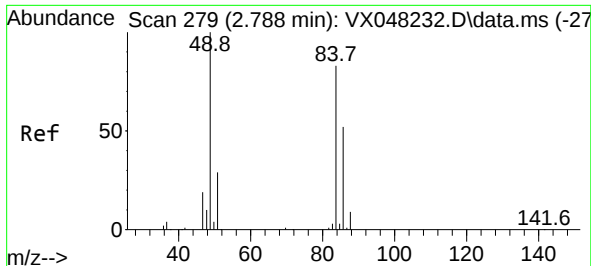
Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#

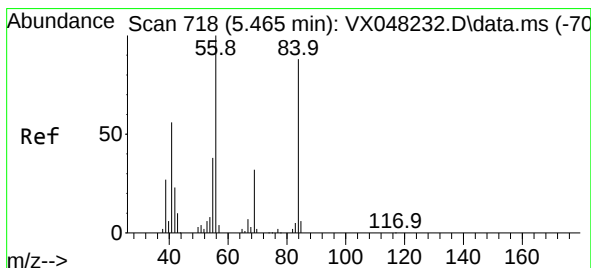
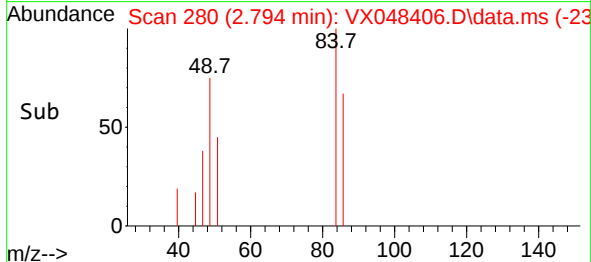
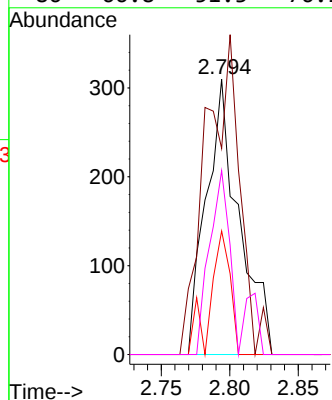
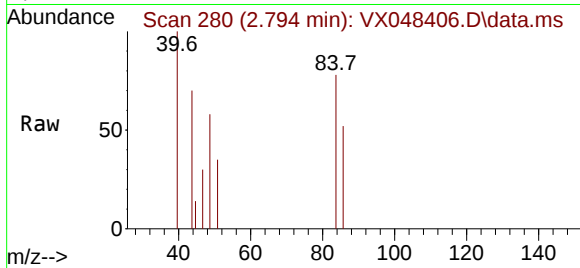




#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

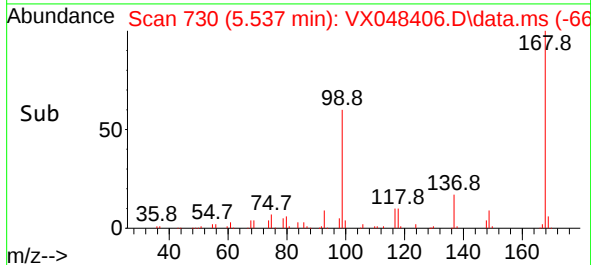
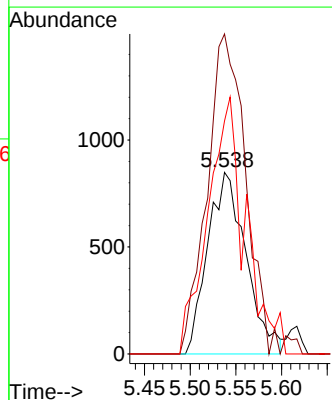
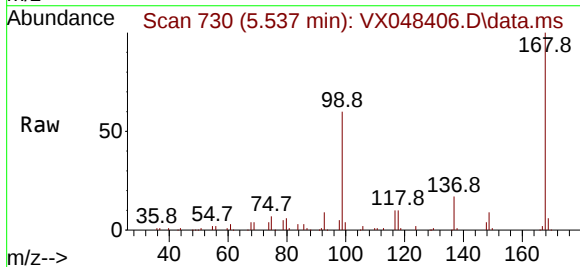
Instrument :
MSVOA_X
ClientSampleId :
IBLK

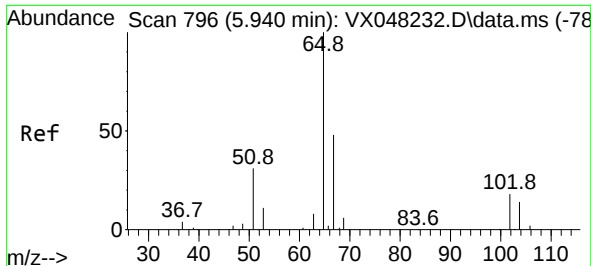
Tgt Ion:	84	Resp:	514
Ion	Ratio	Lower	Upper
84	100		
49	74.8	104.1	156.1#
51	44.8	31.3	46.9
86	66.8	51.3	76.9



#31
Cyclohexane
Concen: 1.054 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Tgt Ion:	56	Resp:	2472
Ion	Ratio	Lower	Upper
56	100		
69	176.2	23.0	34.6#
84	128.3	64.6	97.0#

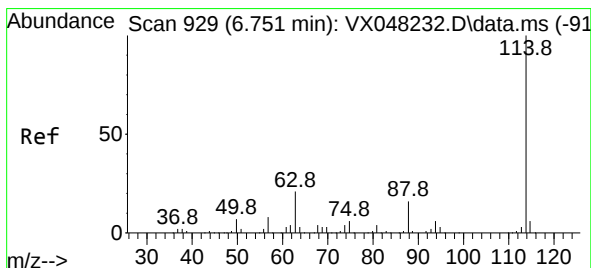
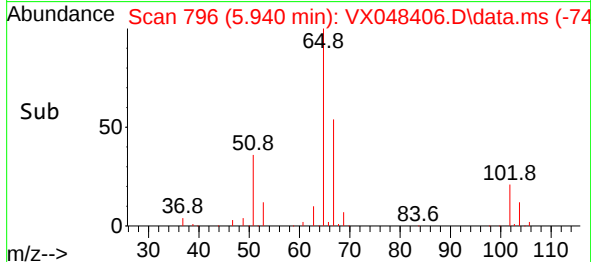
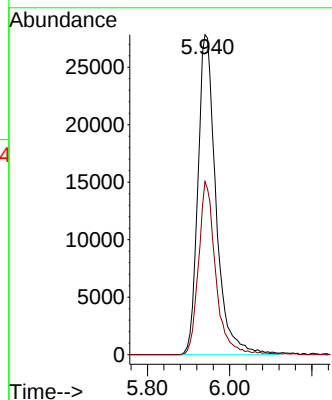
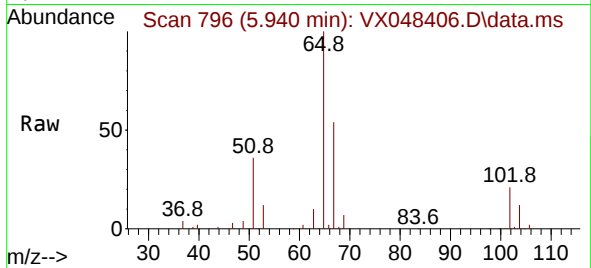




#33
 1,2-Dichloroethane-d4
 Concen: 50.006 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048406.D
 Acq: 29 Oct 2025 10:51

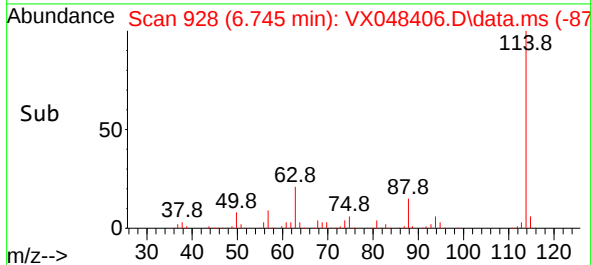
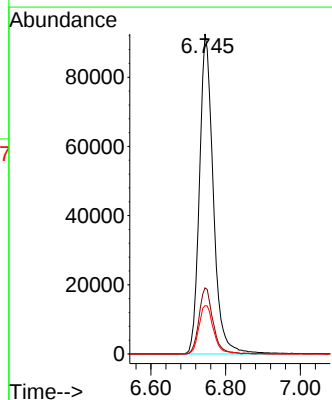
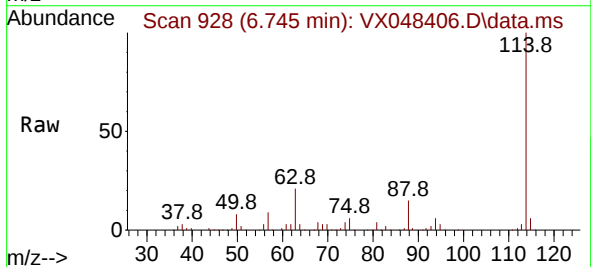
Instrument :
 MSVOA_X
 ClientSampleId :
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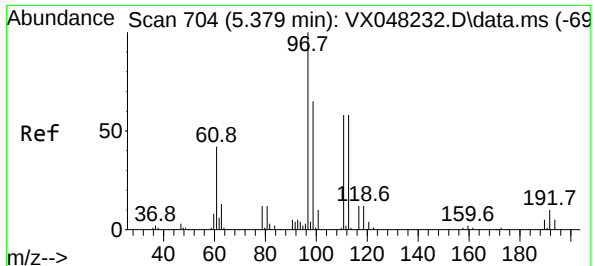
Tgt Ion: 65 Resp: 84903
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048406.D
 Acq: 29 Oct 2025 10:51

Tgt Ion: 114 Resp: 237217
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 15.1 0.0 33.6

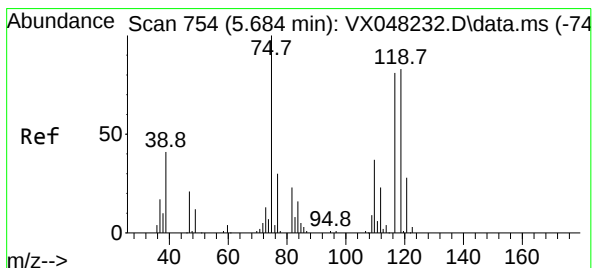
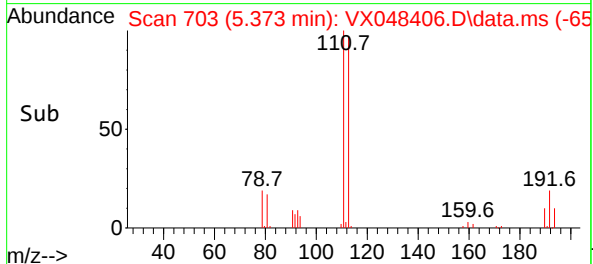
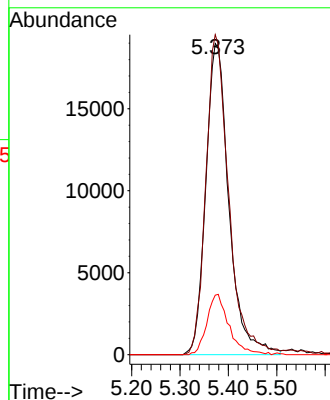
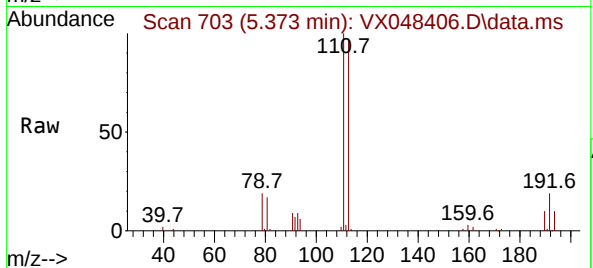




#35
Dibromofluoromethane
Concen: 46.528 ug/l
RT: 5.373 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

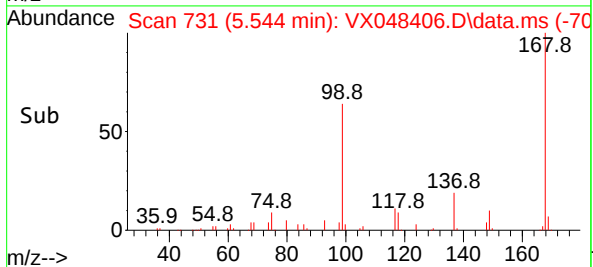
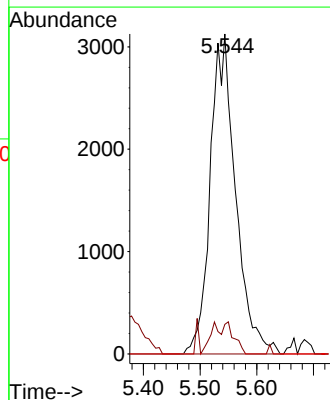
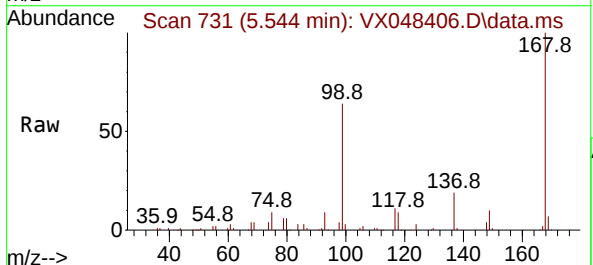
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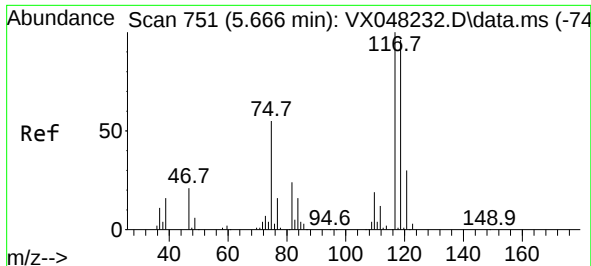
Tgt Ion:113 Resp: 62928
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 18.5 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.262 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

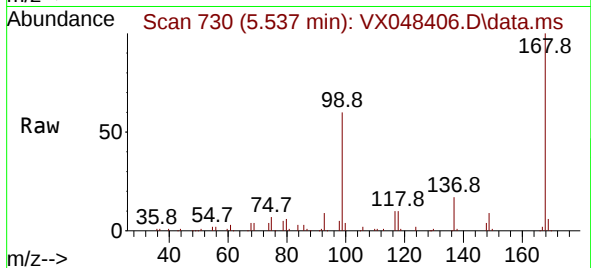
Tgt Ion: 75 Resp: 9679
Ion Ratio Lower Upper
75 100
110 4.2 17.7 53.1#
77 0.0 24.3 36.5#



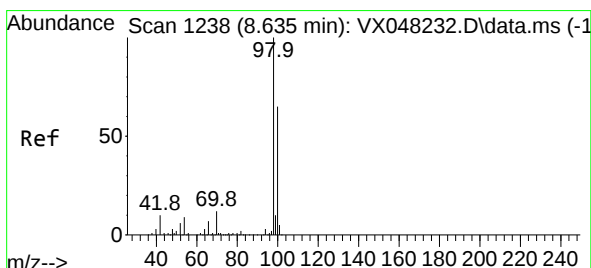
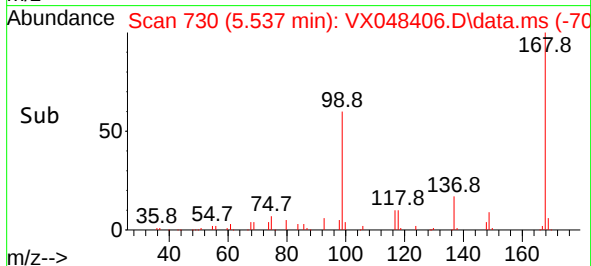
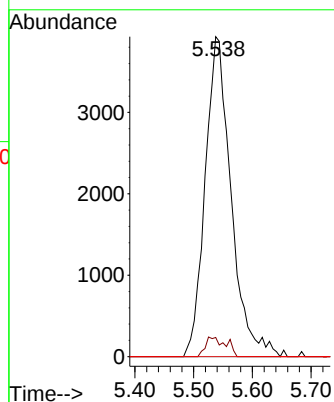


#38
Carbon Tetrachloride
Concen: 4.602 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
IBLK

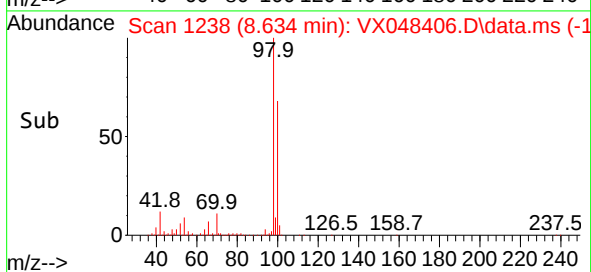
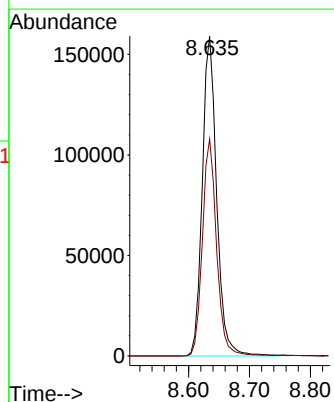
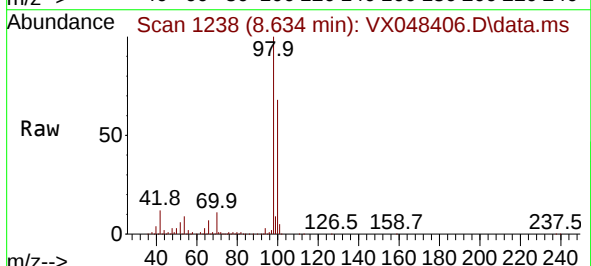


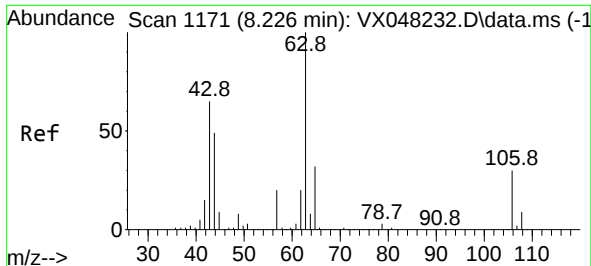
Tgt Ion:117 Resp: 12069
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 43.766 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Tgt Ion: 98 Resp: 261288
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

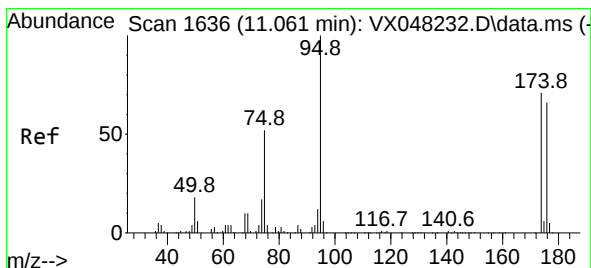
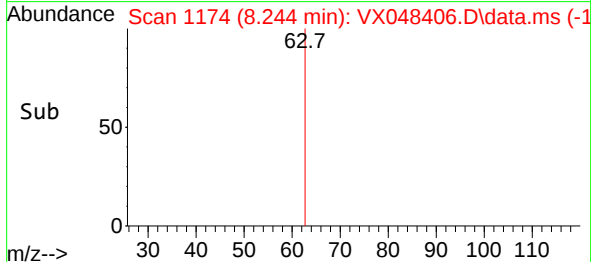
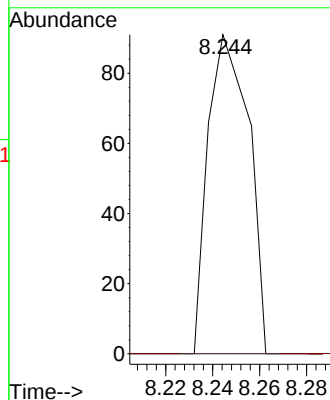
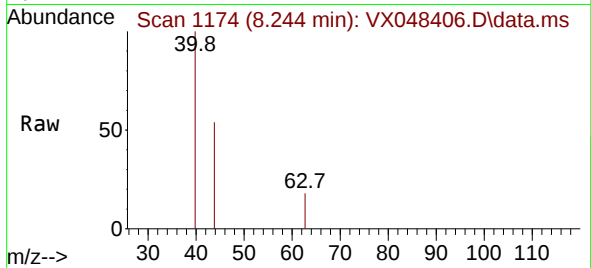




#58
2-Chloroethyl Vinyl ether
Concen: 9.372 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.018 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

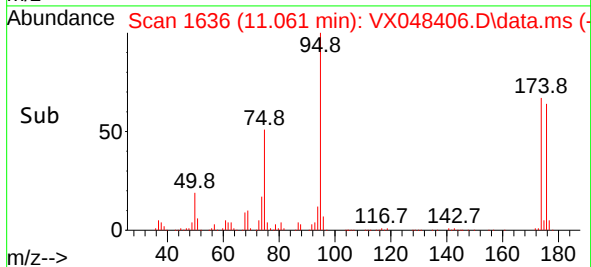
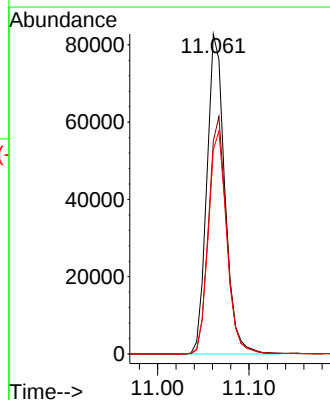
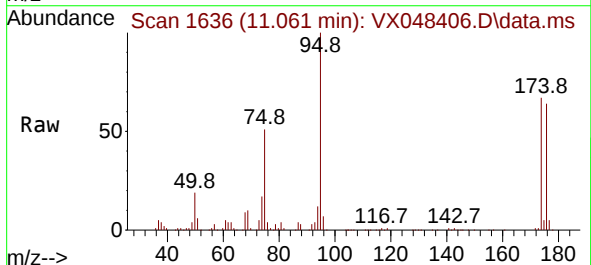
Instrument :
MSVOA_X
ClientSampleId :
IBLK

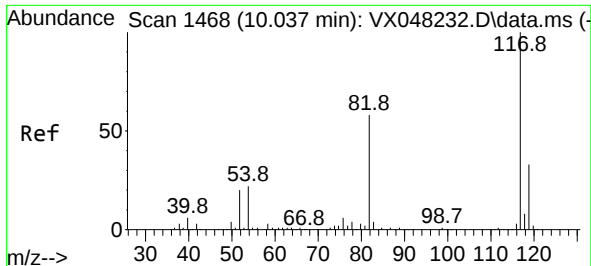
Tgt Ion: 63 Resp: 110
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 50.528 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Tgt Ion: 95 Resp: 112844
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.8
176 71.4 0.0 142.8

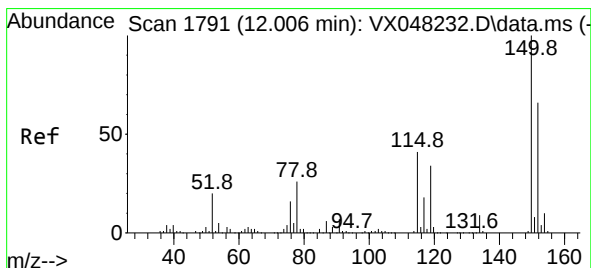
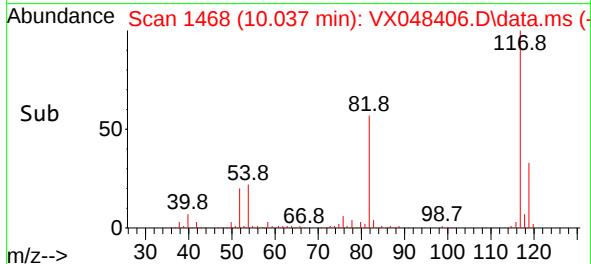
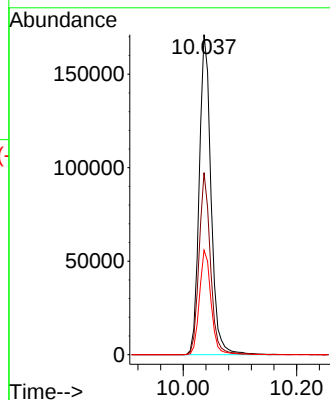
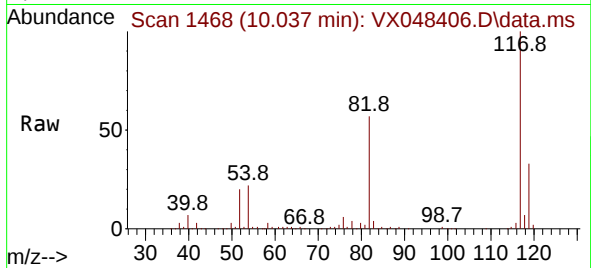




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

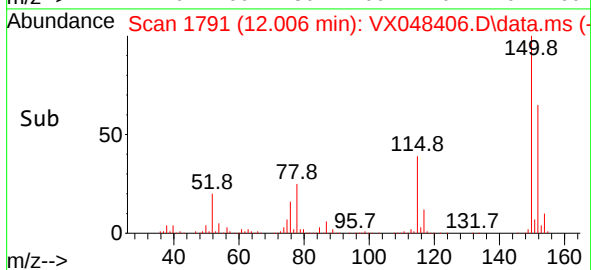
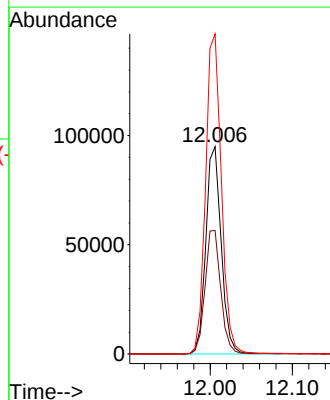
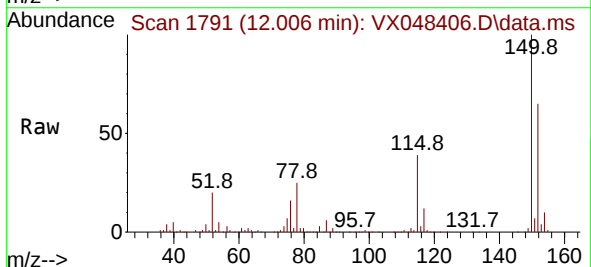
Instrument :
MSVOA_X
ClientSampleId :
IBLK

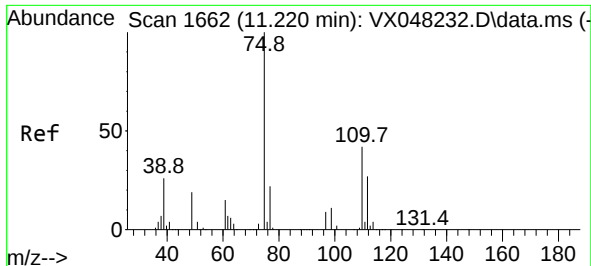
Tgt Ion:117 Resp: 246500
Ion Ratio Lower Upper
117 100
82 56.9 46.5 69.7
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Tgt Ion:152 Resp: 123296
Ion Ratio Lower Upper
152 100
115 61.0 43.1 129.4
150 158.5 0.0 353.0

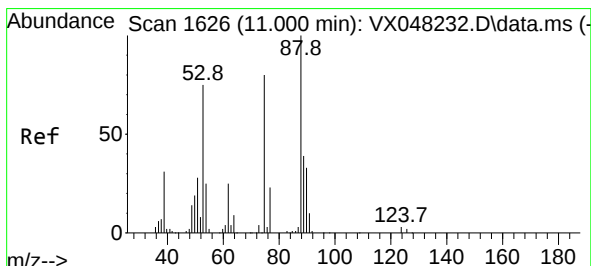
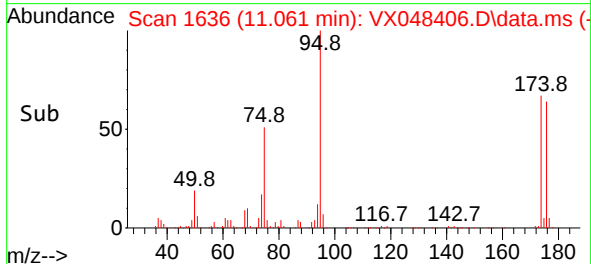
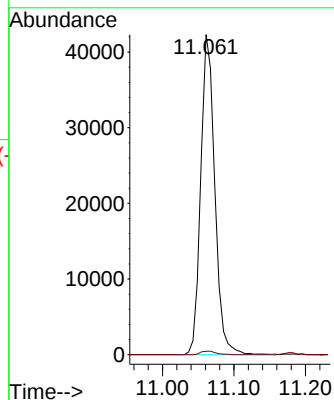
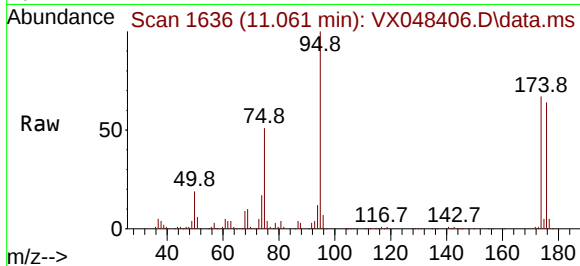




#76
1,2,3-Trichloropropane
Concen: 30.060 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

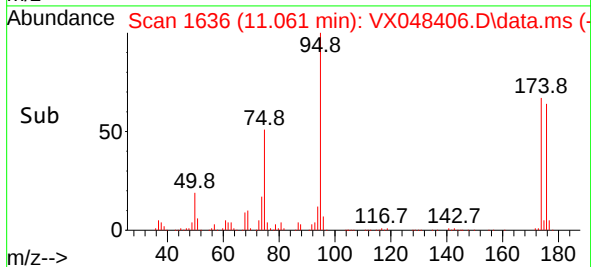
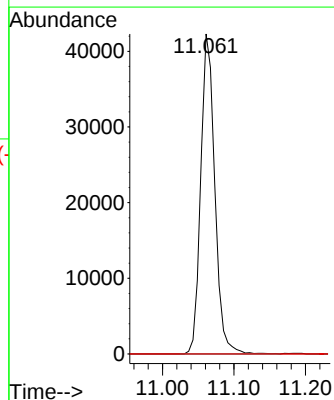
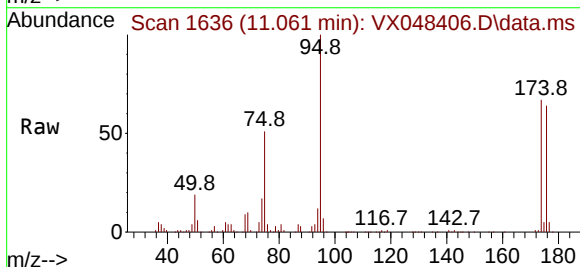
Instrument :
MSVOA_X
ClientSampleId :
IBLK

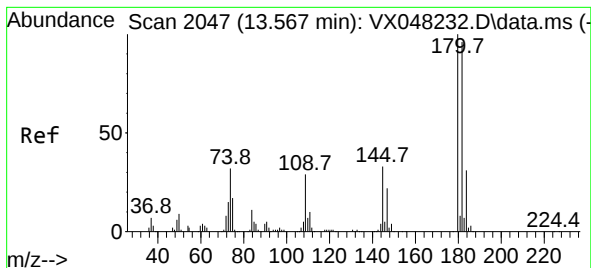
Tgt Ion: 75 Resp: 57806
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.818 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Tgt Ion: 75 Resp: 57806
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.298 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048406.D

Acq: 29 Oct 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

IBLK

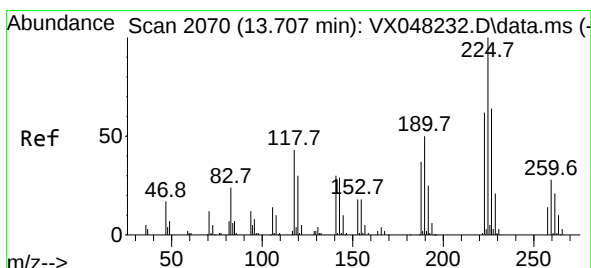
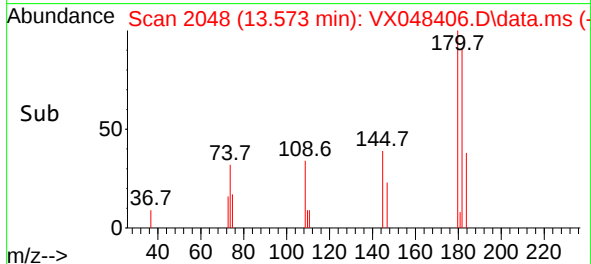
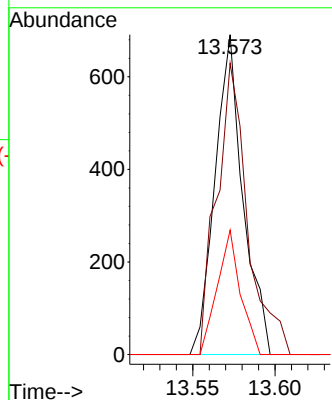
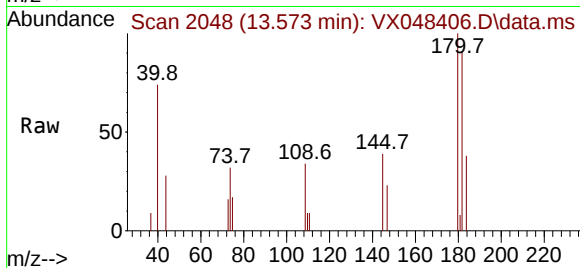
Tgt Ion:180 Resp: 820

Ion Ratio Lower Upper

180 100

182 100.5 47.3 142.0

145 32.1 16.3 48.9



#94

Hexachlorobutadiene

Concen: 0.360 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX048406.D

Acq: 29 Oct 2025 10:51

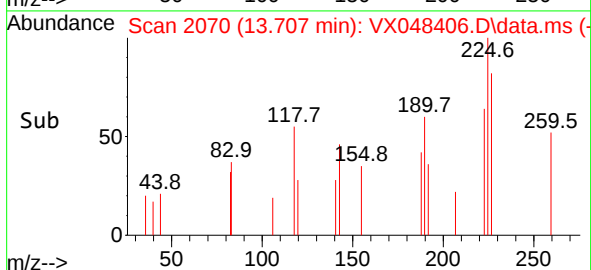
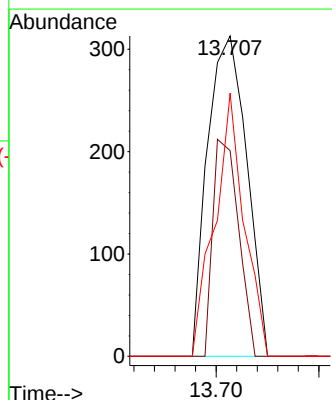
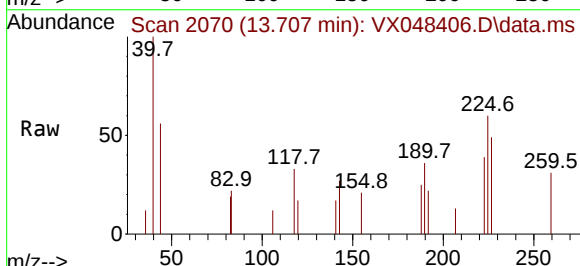
Tgt Ion:225 Resp: 415

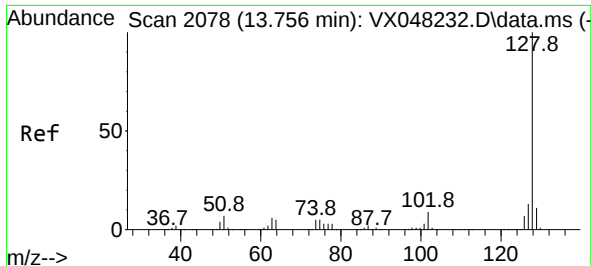
Ion Ratio Lower Upper

225 100

223 44.3 32.6 97.7

227 61.9 32.5 97.4

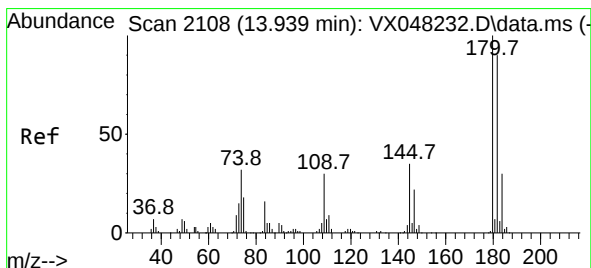
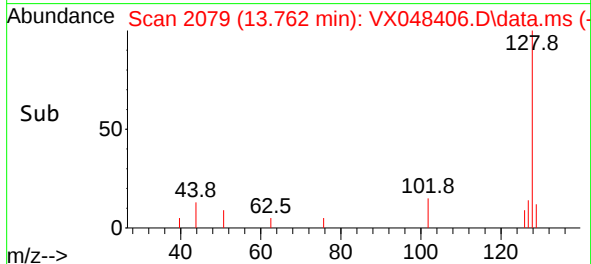
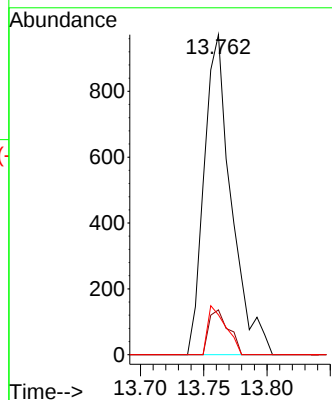
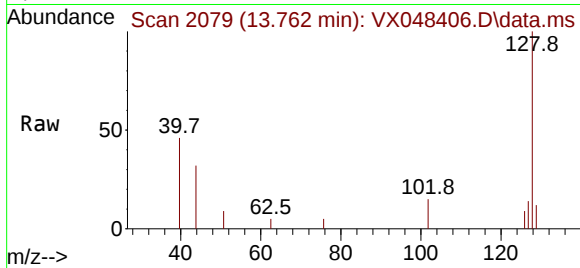




#95
Naphthalene
Concen: 0.209 ug/l
RT: 13.762 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 1455
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.4#
129 10.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.281 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048406.D
Acq: 29 Oct 2025 10:51

Tgt Ion:180 Resp: 701
Ion Ratio Lower Upper
180 100
182 79.7 46.6 139.7
145 42.8 16.9 50.7

