

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046751.D
 Acq On : 18 Jun 2025 18:16
 Operator : JC/MD
 Sample : Q2344-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jun 19 01:28:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

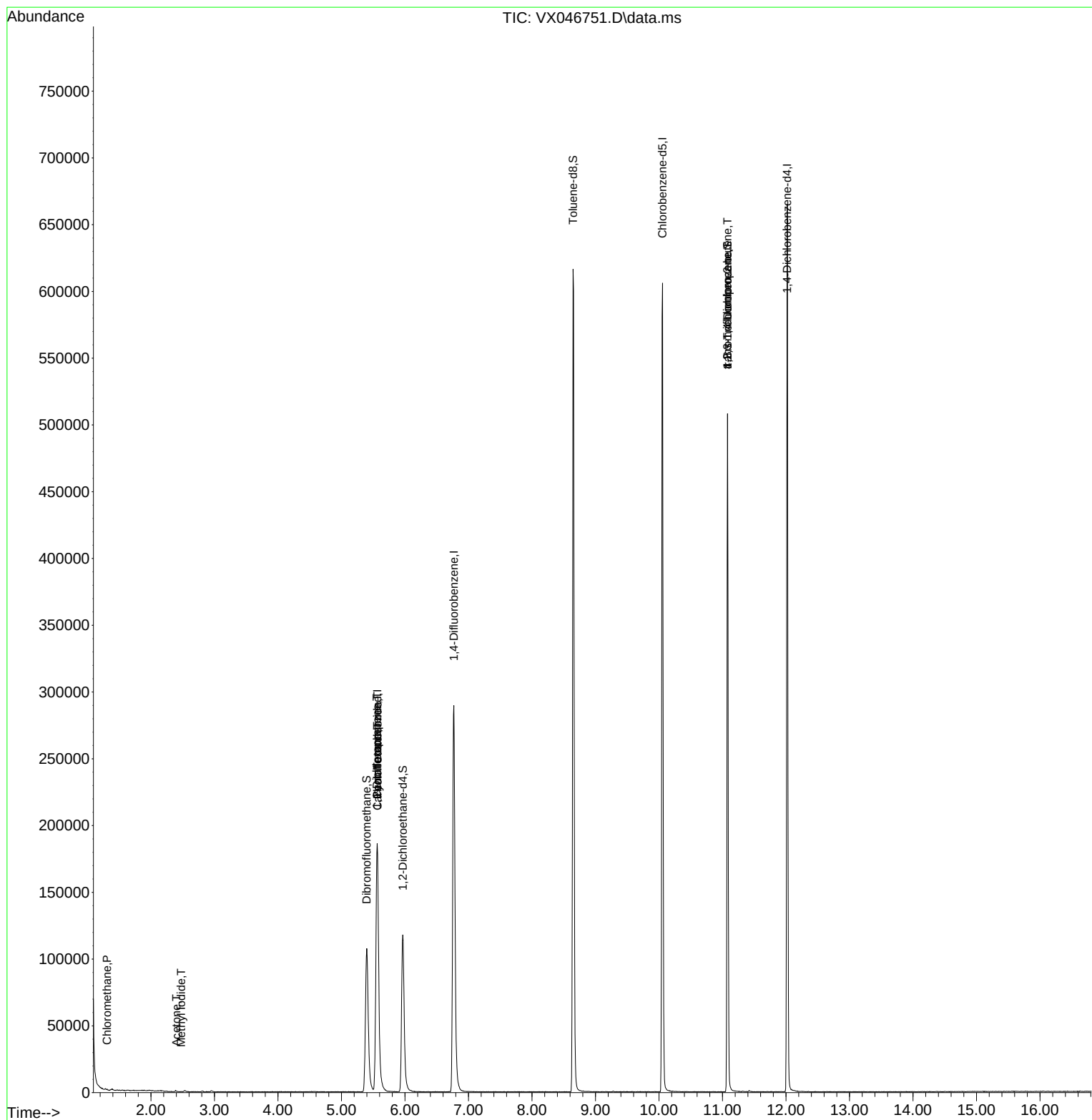
Internal Standards						
1) Pentafluorobenzene	5.562	168	192926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	318077	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	130790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	124150	46.524	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.040%
35) Dibromofluoromethane	5.397	113	102626	48.765	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.540%
50) Toluene-d8	8.647	98	374699	49.557	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.120%
62) 4-Bromofluorobenzene	11.079	95	135286	48.000	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	553	0.249	ug/l	94
10) Methyl Iodide	2.477	142	68	4.356	ug/l #	38
16) Acetone	2.398	43	1046	1.175	ug/l #	70
31) Cyclohexane	5.562	56	4116	1.030	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	15416	5.074	ug/l #	51
38) Carbon Tetrachloride	5.568	117	20172	6.118	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	68926	28.774	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	68926	81.331	ug/l #	7

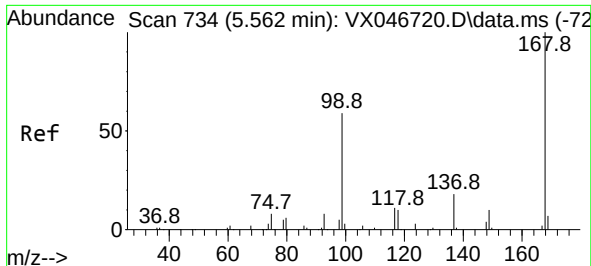
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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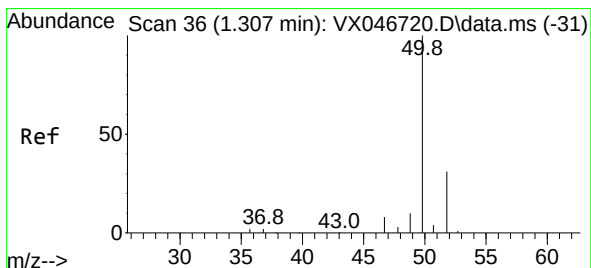
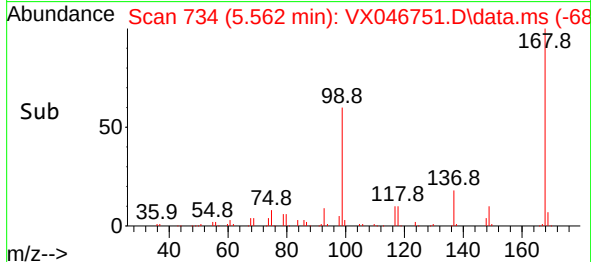
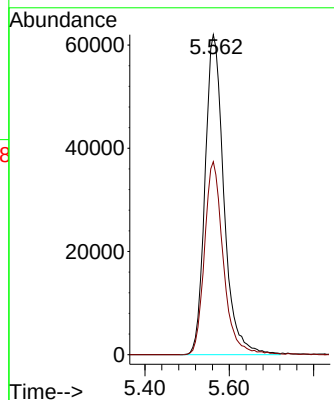
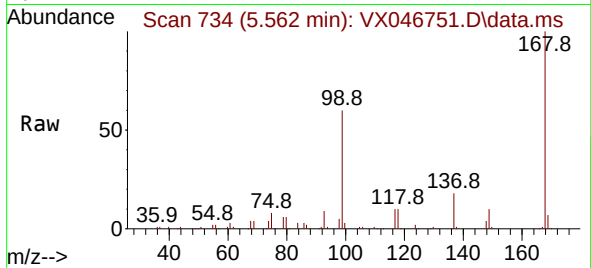




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

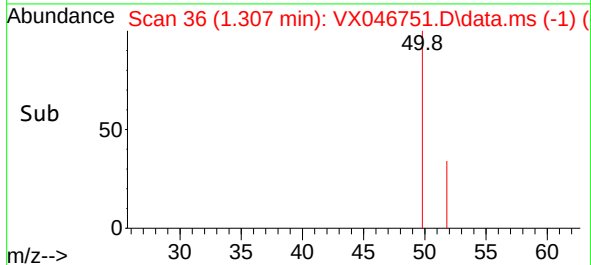
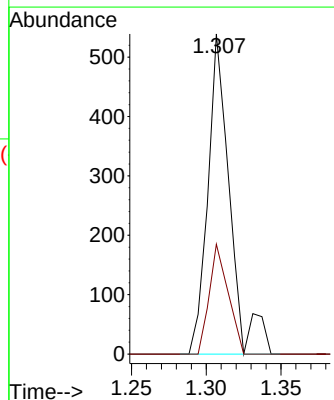
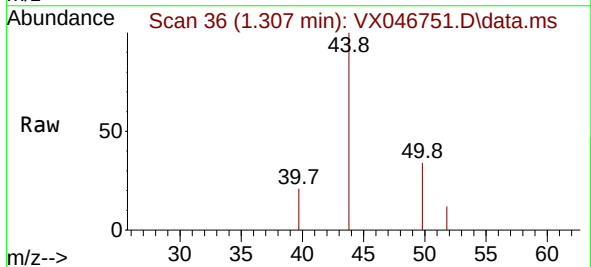
Instrument :
MSVOA_X
ClientSampleId :
MW-4

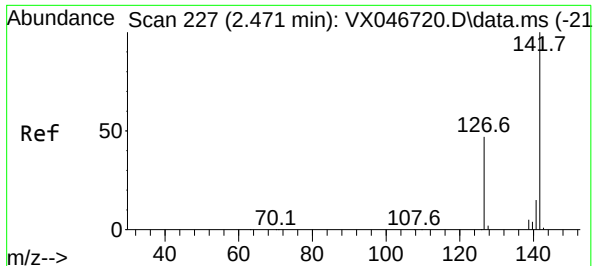
Tgt Ion:168 Resp: 192926
Ion Ratio Lower Upper
168 100
99 60.3 48.5 72.7



#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 50 Resp: 553
Ion Ratio Lower Upper
50 100
52 34.3 24.9 37.3

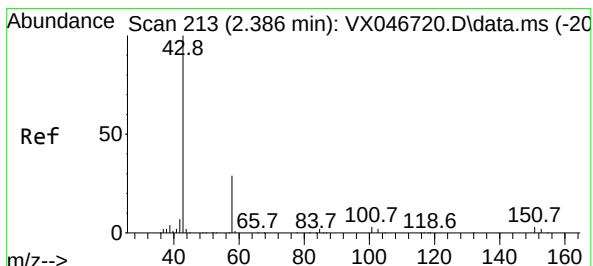
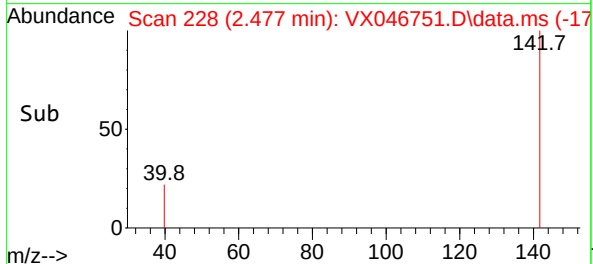
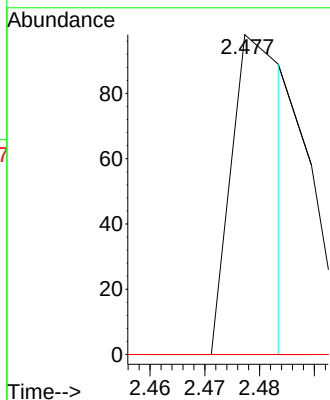
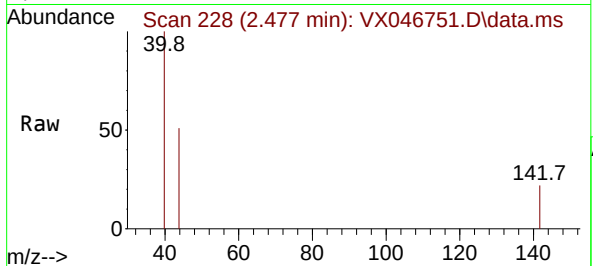




#10
Methyl Iodide
Concen: 4.356 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

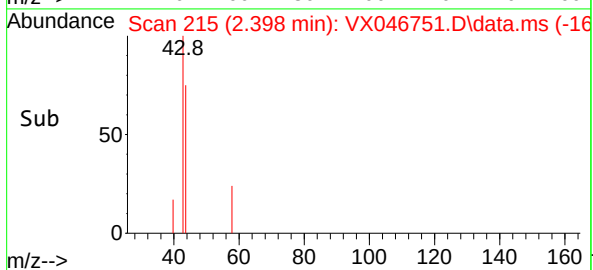
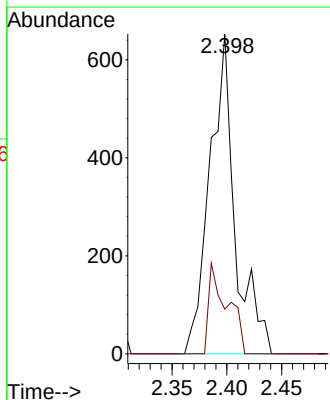
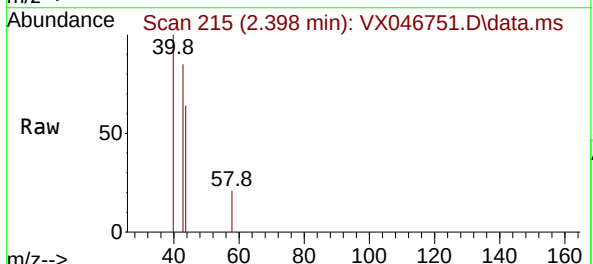
Instrument :
MSVOA_X
ClientSampleId :
MW-4

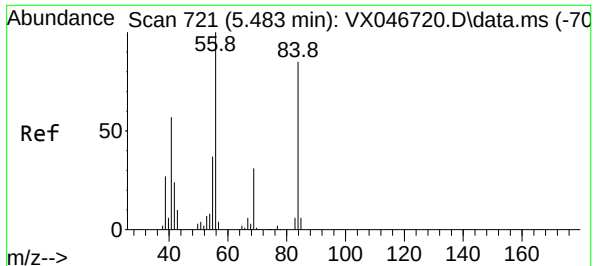
Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 1.175 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
58 13.9 24.5 36.7#

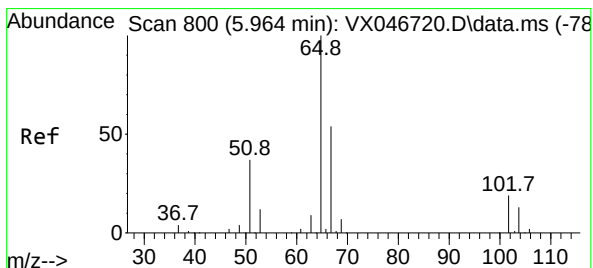
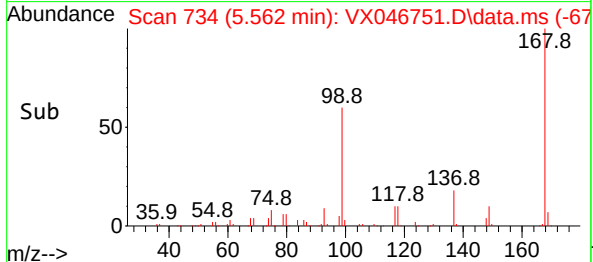
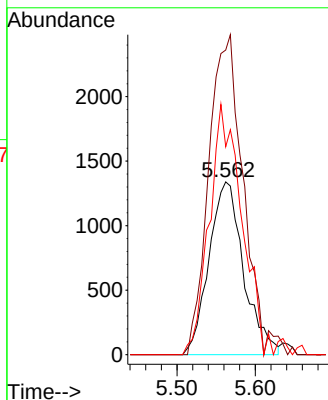
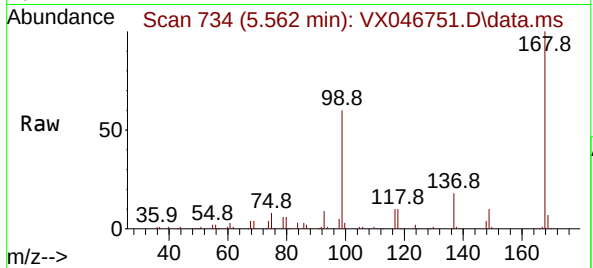




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

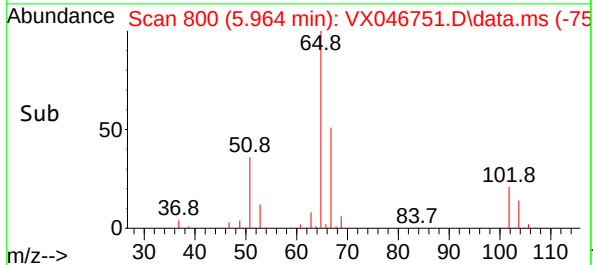
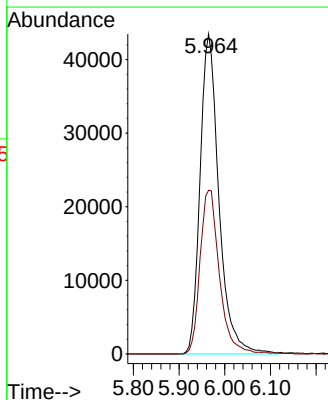
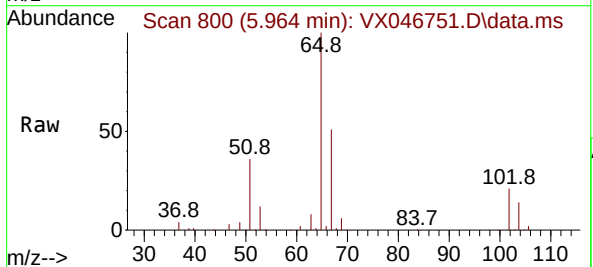
Instrument :
MSVOA_X
ClientSampleId :
MW-4

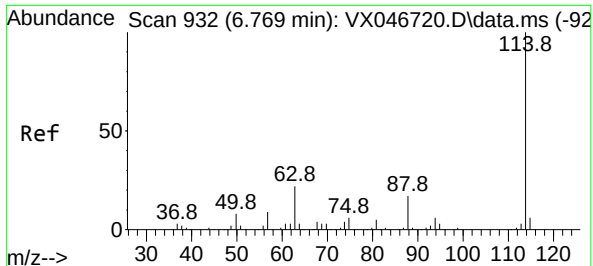
Tgt Ion: 56 Resp: 4116
Ion Ratio Lower Upper
56 100
69 169.9 24.8 37.2#
84 116.0 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 46.524 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 65 Resp: 124150
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046751.D

Acq: 18 Jun 2025 18:16

Instrument :

MSVOA_X

ClientSampleId :

MW-4

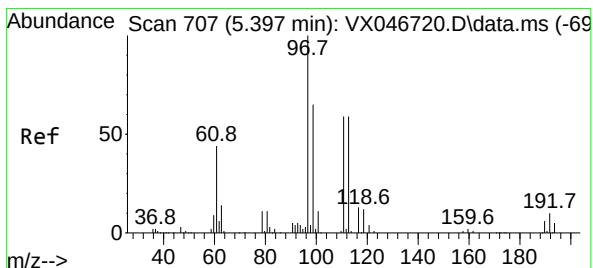
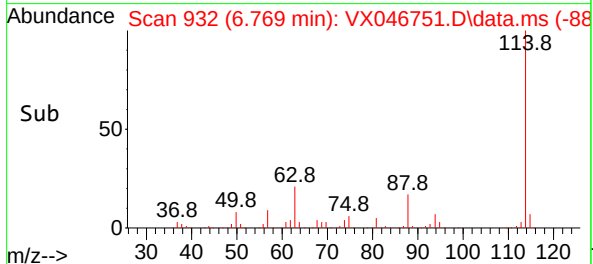
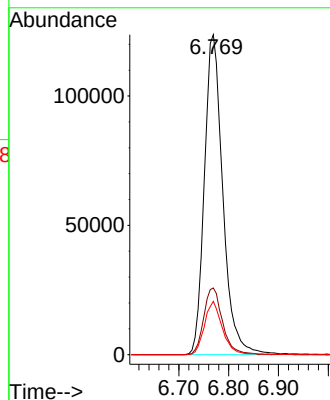
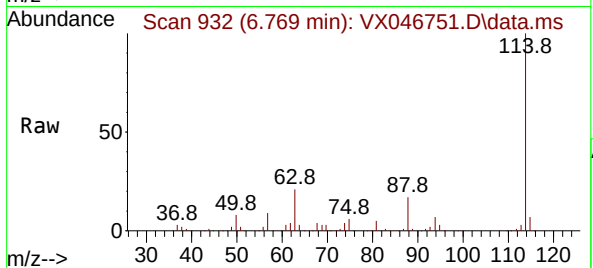
Tgt Ion:114 Resp: 318077

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.2

88 16.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.765 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046751.D

Acq: 18 Jun 2025 18:16

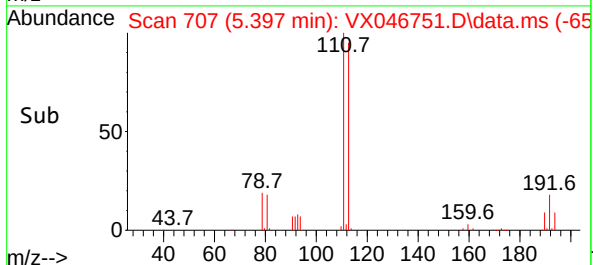
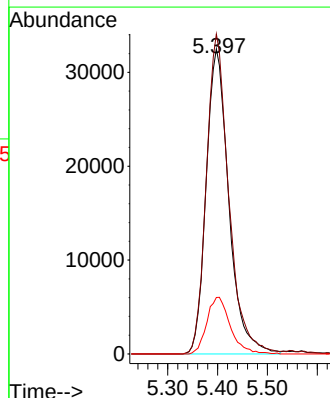
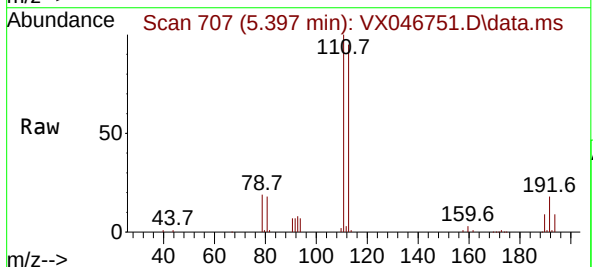
Tgt Ion:113 Resp: 102626

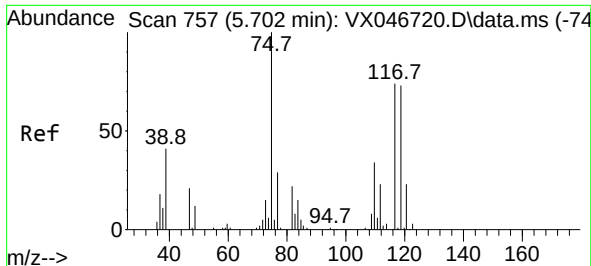
Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

192 19.3 15.3 22.9

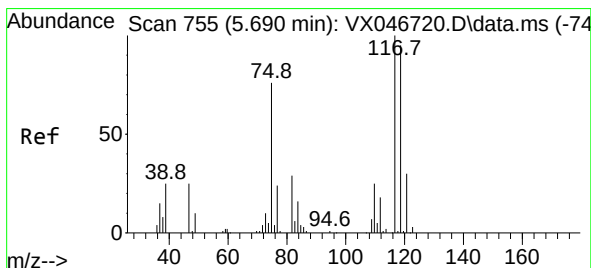
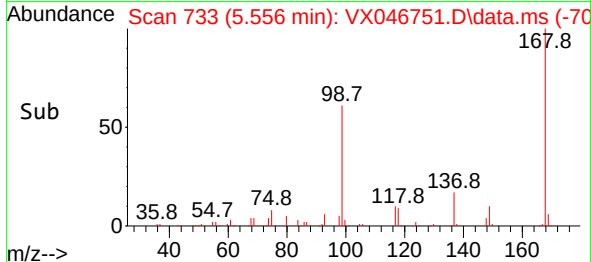
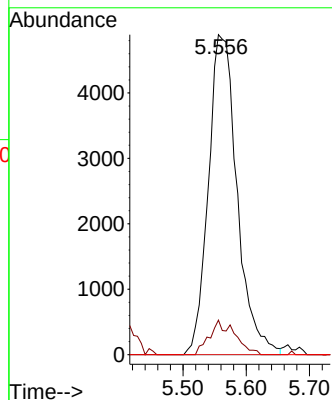
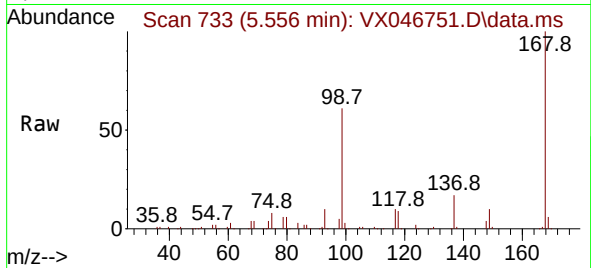




#36
1,1-Dichloropropene
Concen: 5.074 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

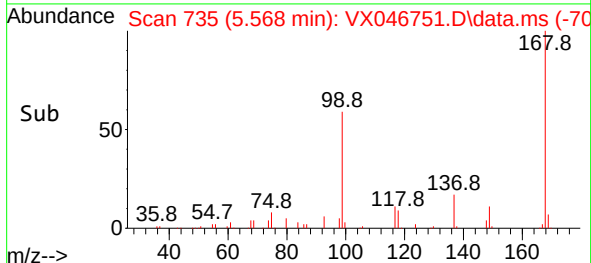
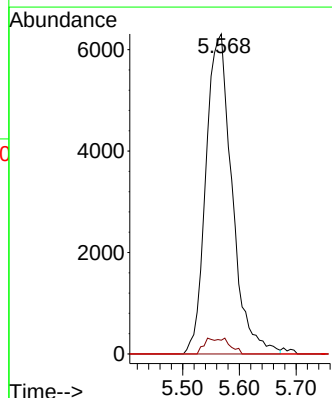
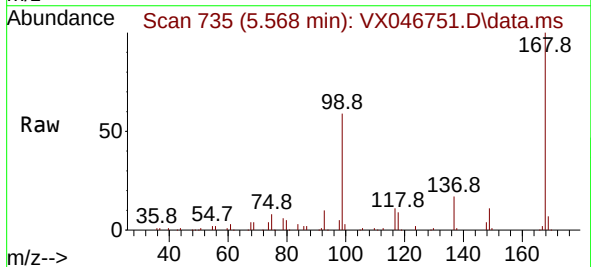
Instrument :
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ClientSampleId :
MW-4

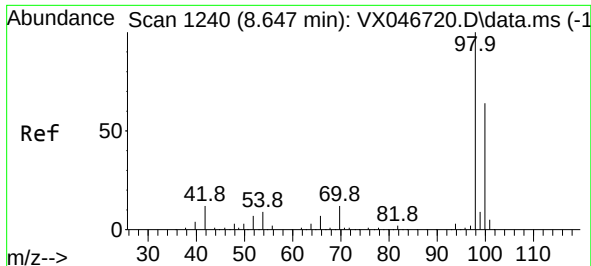
Tgt Ion: 75 Resp: 15416
Ion Ratio Lower Upper
75 100
110 9.5 17.2 51.5#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 117 Resp: 20172
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 24.1 36.1#

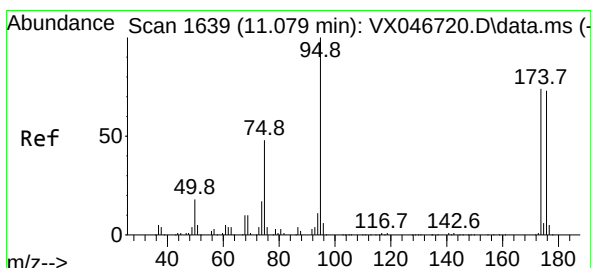
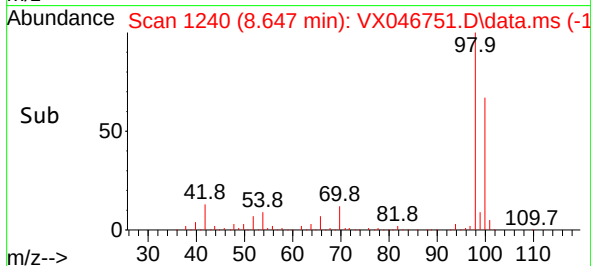
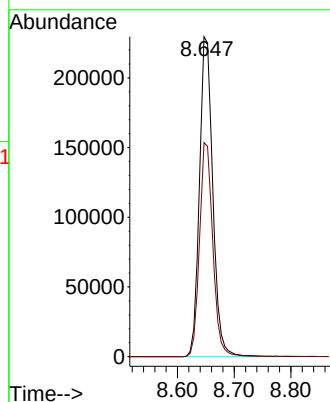
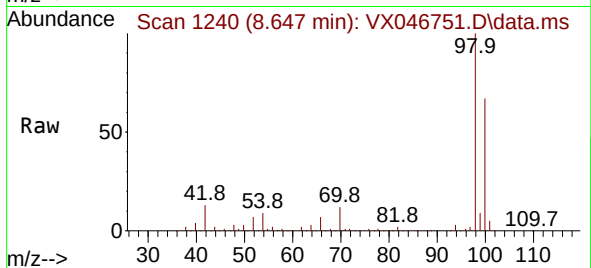




#50
Toluene-d8
Concen: 49.557 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

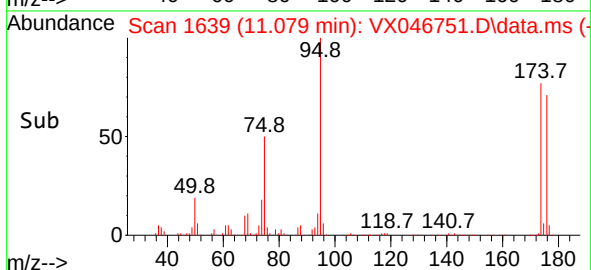
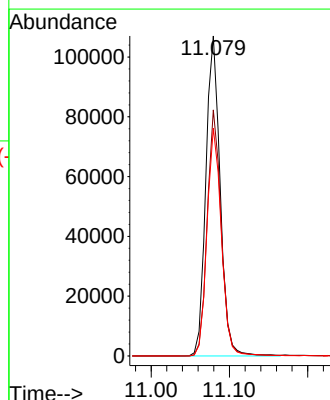
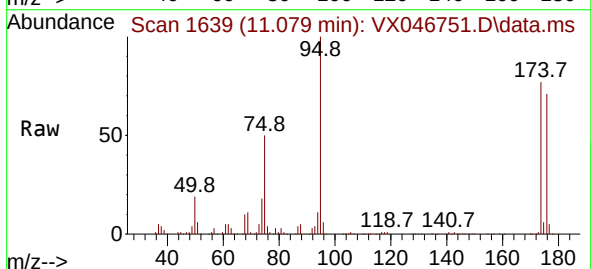
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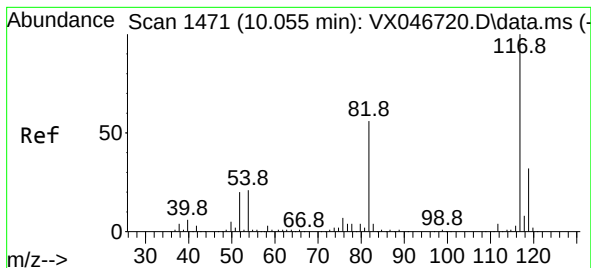
Tgt Ion: 98 Resp: 374699
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.000 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 95 Resp: 135286
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.4
176 71.6 0.0 145.0

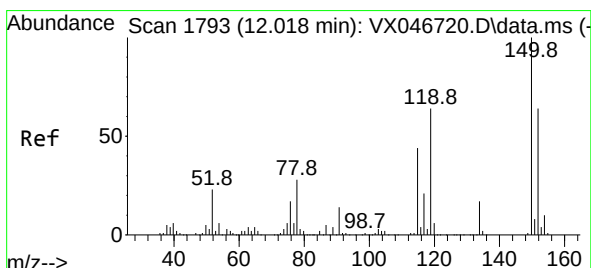
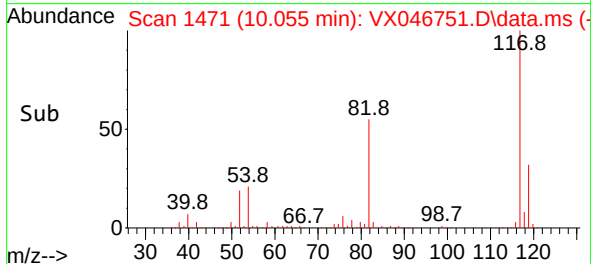
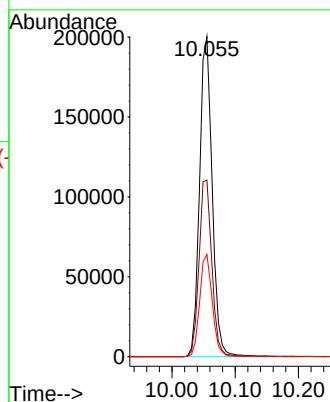
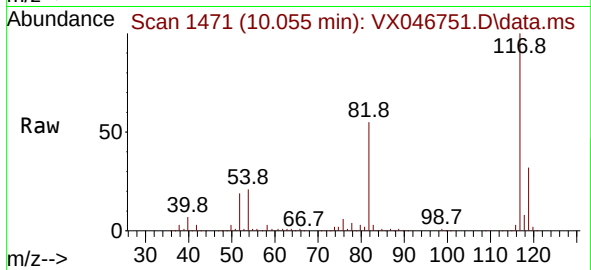




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

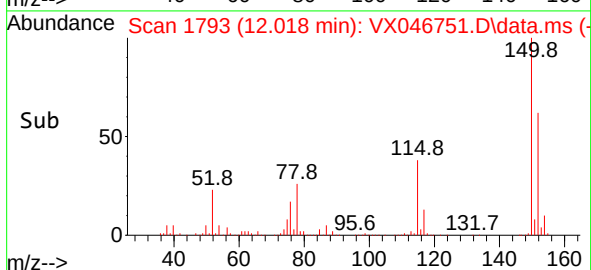
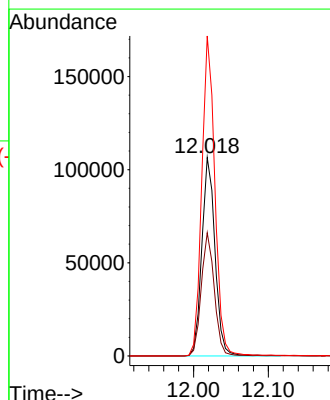
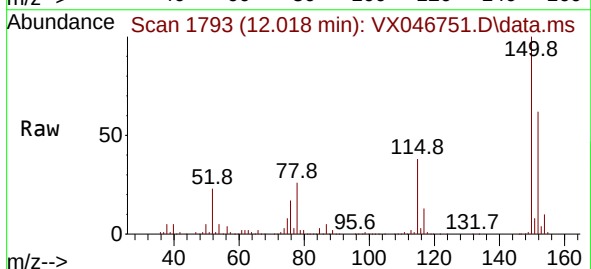
Instrument :
MSVOA_X
ClientSampleId :
MW-4

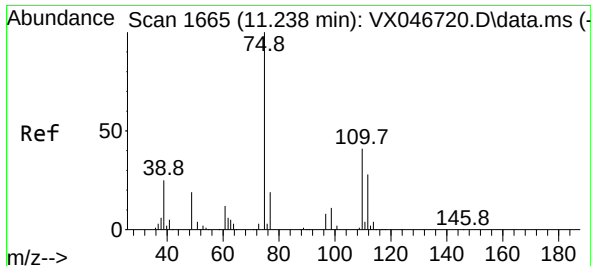
Tgt Ion:117 Resp: 278709
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion:152 Resp: 130790
Ion Ratio Lower Upper
152 100
115 61.2 43.2 129.6
150 160.8 0.0 346.8

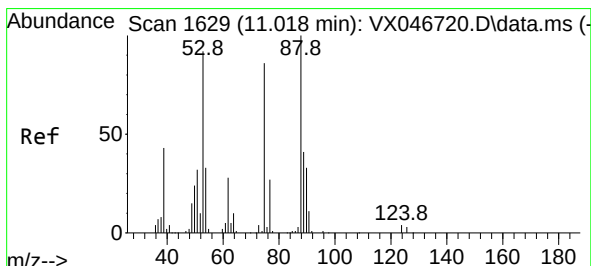
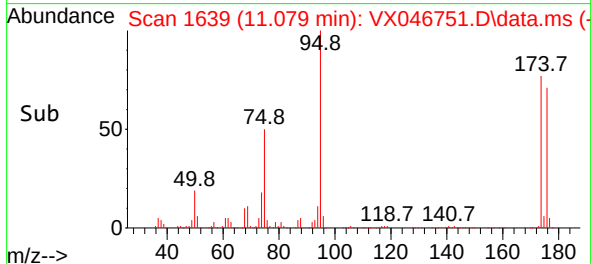
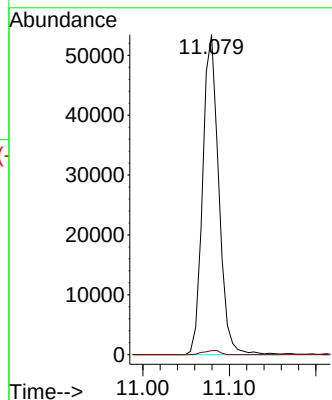
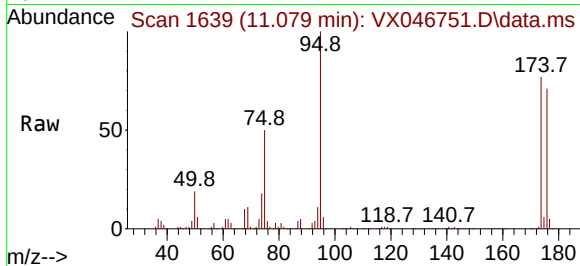




#76
1,2,3-Trichloropropane
Concen: 28.774 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 75 Resp: 68926
Ion Ratio Lower Upper
75 100
77 1.4 18.5 55.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.331 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 75 Resp: 68926
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

