

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046744.D
 Acq On : 18 Jun 2025 15:46
 Operator : JC/MD
 Sample : Q2345-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT150S1-20250617

Quant Time: Jun 19 01:26:01 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)

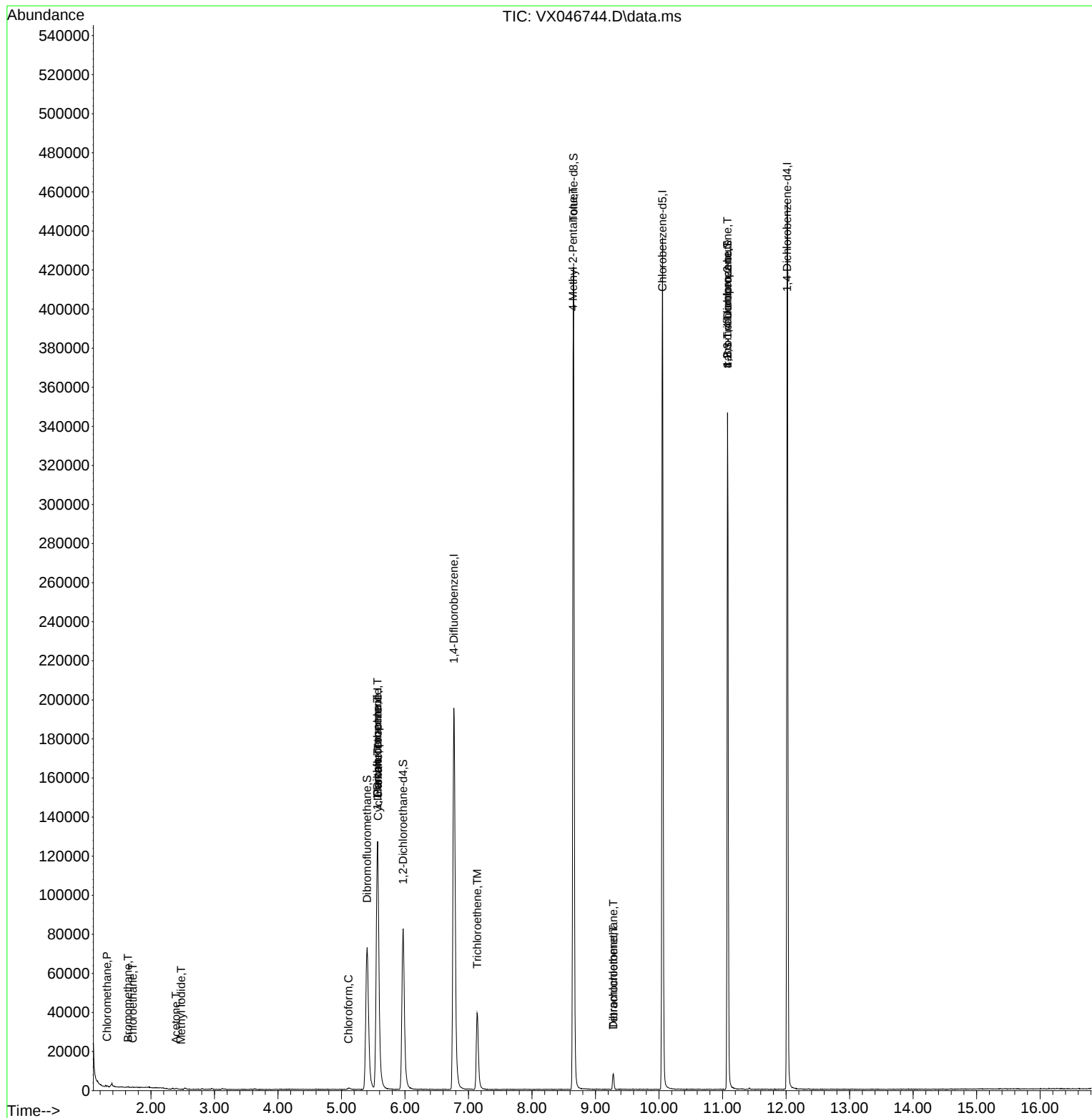
Internal Standards						
1) Pentafluorobenzene	5.568	168	128949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	213744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	93953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	86474	48.483	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.960%
35) Dibromofluoromethane	5.403	113	69660	49.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.520%
50) Toluene-d8	8.653	98	252891	49.773	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.540%
62) 4-Bromofluorobenzene	11.079	95	95267	50.300	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	375	0.252	ug/l	98
5) Bromomethane	1.636	94	188	0.211	ug/l	83
6) Chloroethane	1.715	64	292	0.304	ug/l #	41
10) Methyl Iodide	2.477	142	83	4.375	ug/l #	38
16) Acetone	2.392	43	663	1.115	ug/l #	44
30) Chloroform	5.111	83	814	0.289	ug/l	87
31) Cyclohexane	5.574	56	2650	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10802	5.291	ug/l #	50
38) Carbon Tetrachloride	5.568	117	13263	5.987	ug/l #	18
44) Trichloroethene	7.135	130	17127	11.124	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	1226	0.697	ug/l #	1
60) Dibromochloromethane	9.281	129	1614	0.981	ug/l #	11
64) Tetrachloroethene	9.281	164	1771	1.327	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	48123	27.966	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	48123	79.048	ug/l #	7

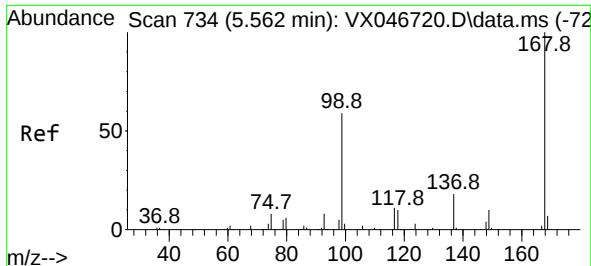
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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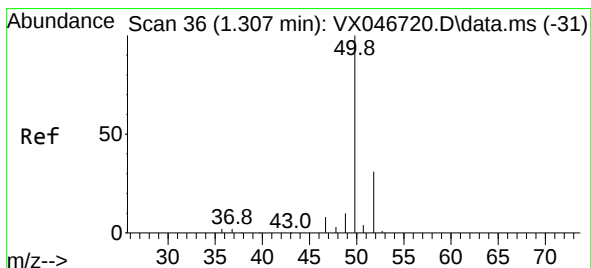
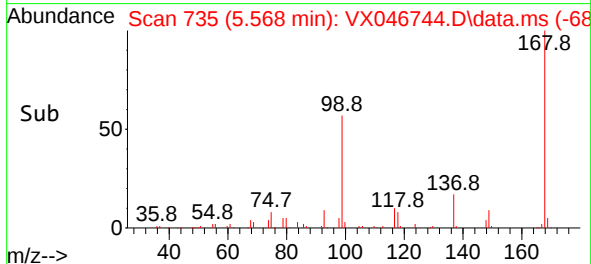
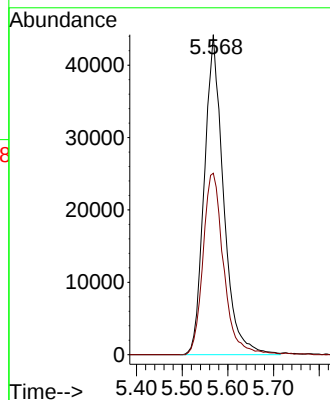
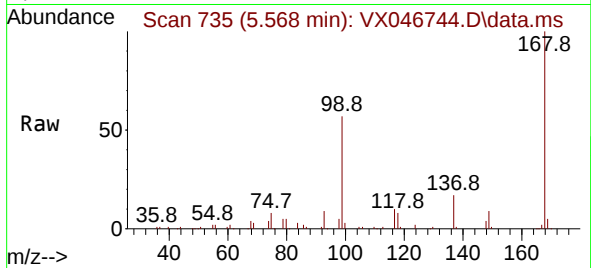




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

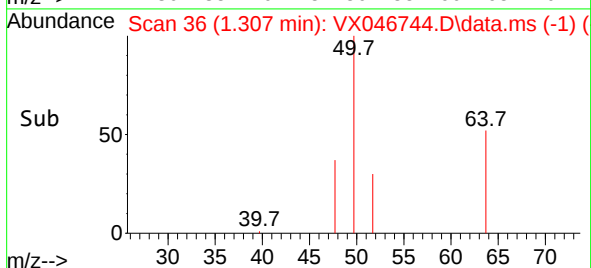
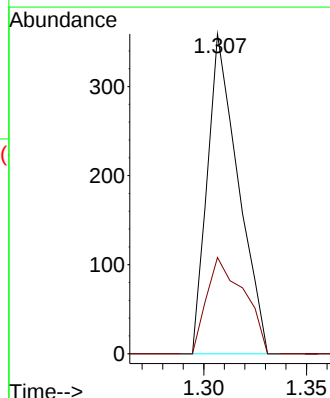
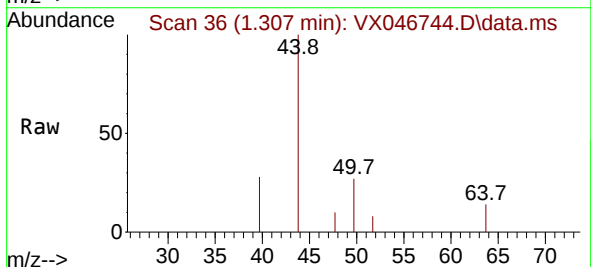
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

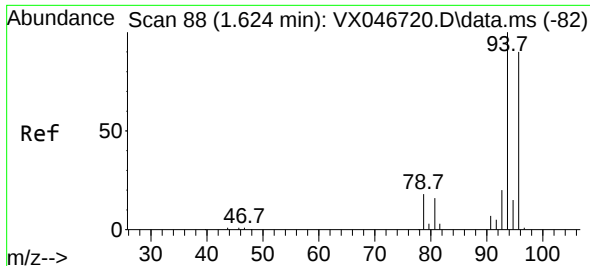
Tgt Ion:168 Resp: 128949
Ion Ratio Lower Upper
168 100
99 56.7 48.5 72.7



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 50 Resp: 375
Ion Ratio Lower Upper
50 100
52 30.1 24.9 37.3

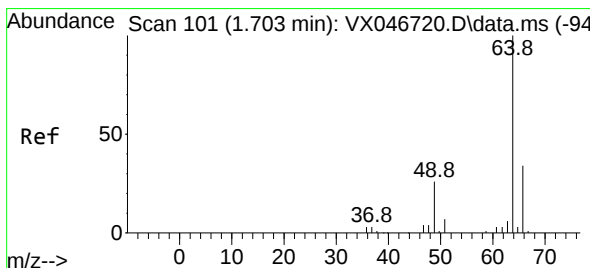
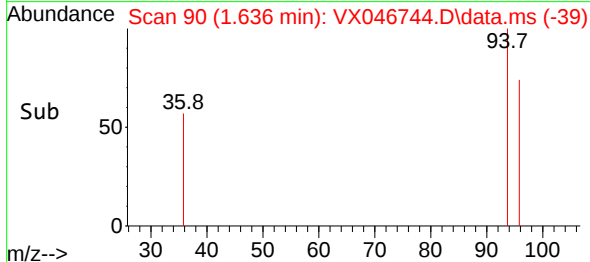
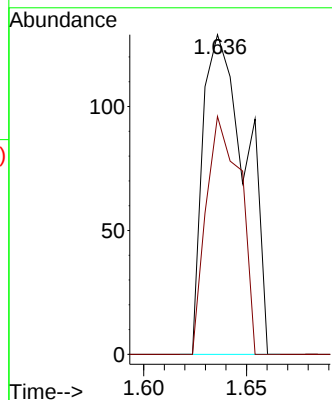
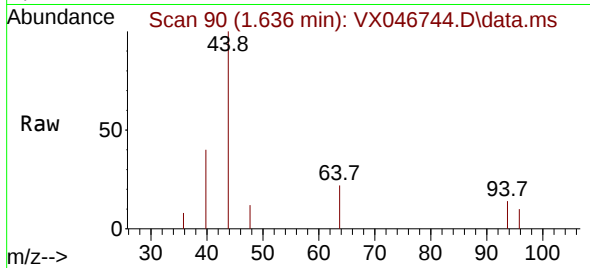




#5
Bromomethane
Concen: 0.211 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

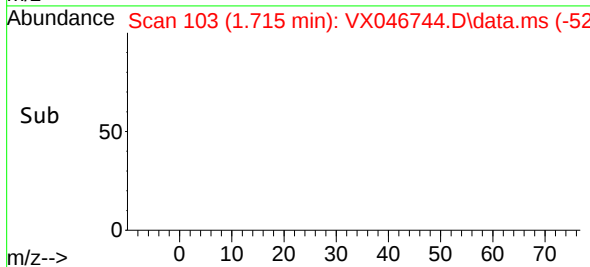
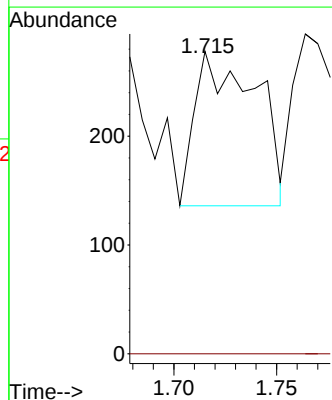
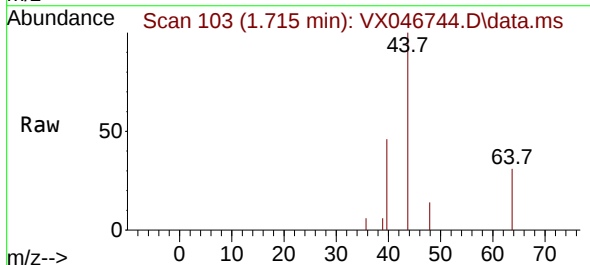
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

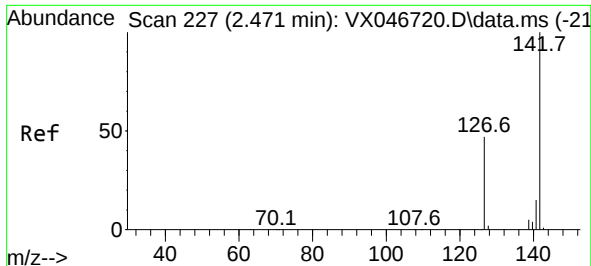
Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 74.4 72.3 108.5



#6
Chloroethane
Concen: 0.304 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.012 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 64 Resp: 292
Ion Ratio Lower Upper
64 100
66 0.0 27.1 40.7#

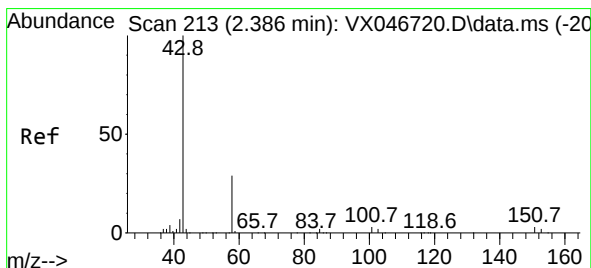
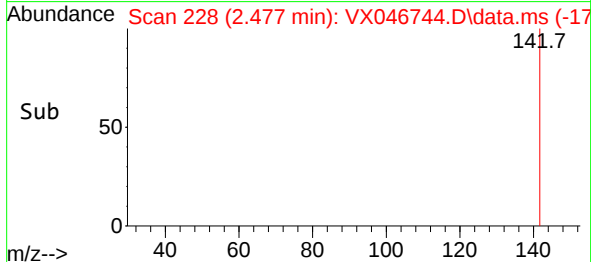
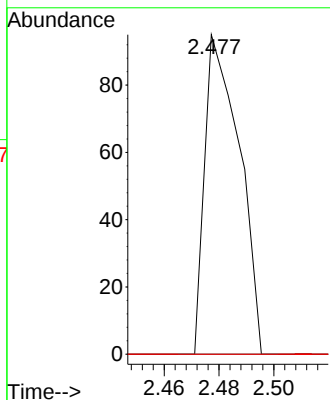
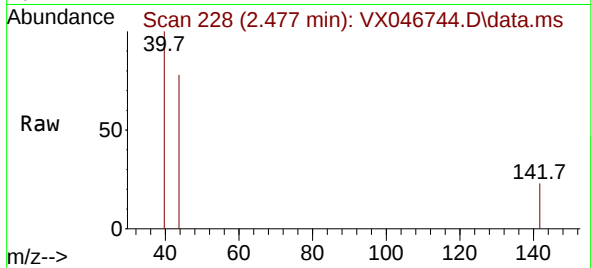




#10
Methyl Iodide
Concen: 4.375 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

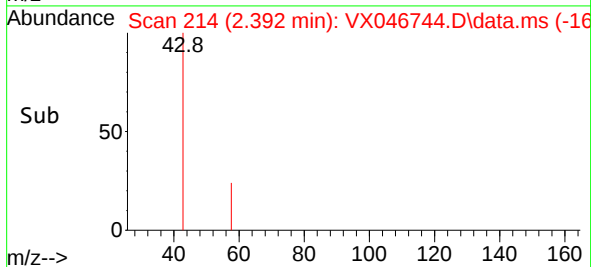
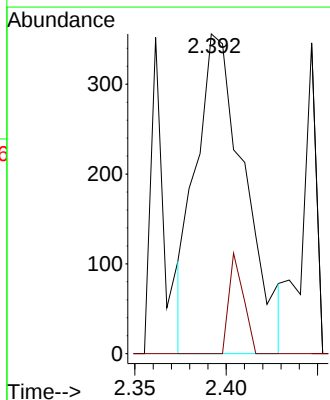
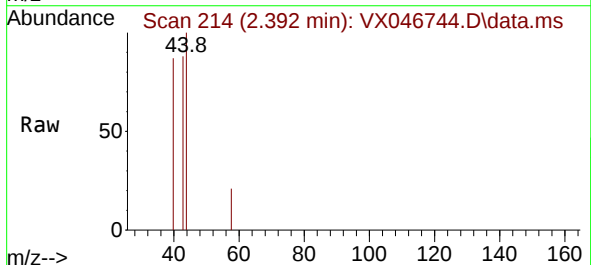
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

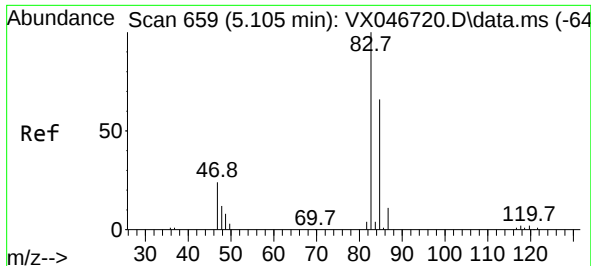
Tgt Ion:142 Resp: 83
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 1.115 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#





#30

Chloroform

Concen: 0.289 ug/l

RT: 5.111 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX046744.D

Acq: 18 Jun 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

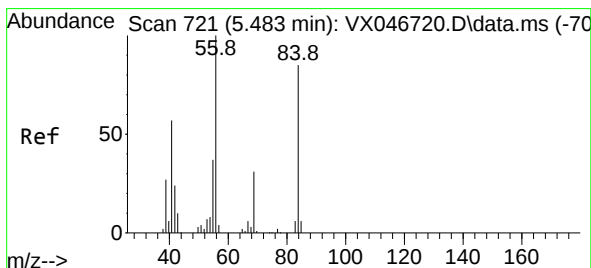
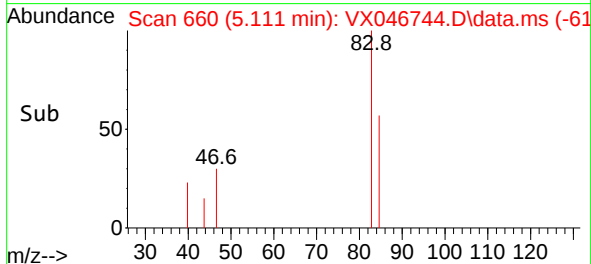
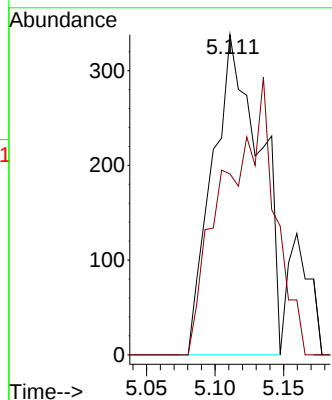
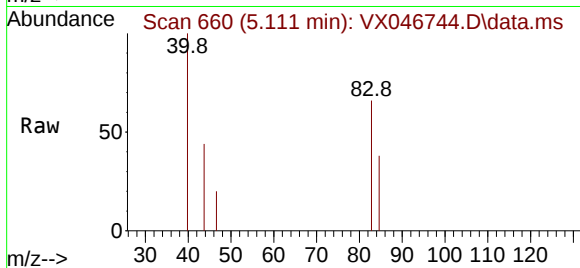
TT150S1-20250617

Tgt Ion: 83 Resp: 814

Ion Ratio Lower Upper

83 100

85 56.5 53.7 80.5



#31

Cyclohexane

Concen: 0.992 ug/l

RT: 5.574 min Scan# 736

Delta R.T. 0.091 min

Lab File: VX046744.D

Acq: 18 Jun 2025 15:46

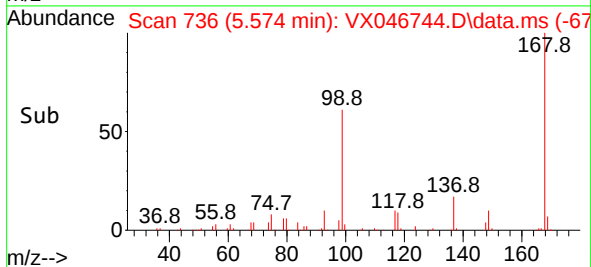
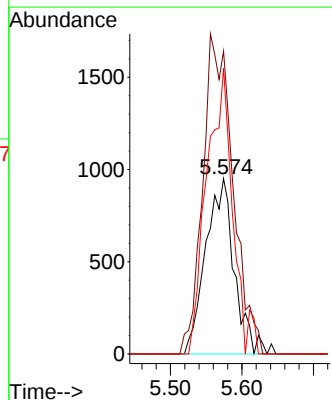
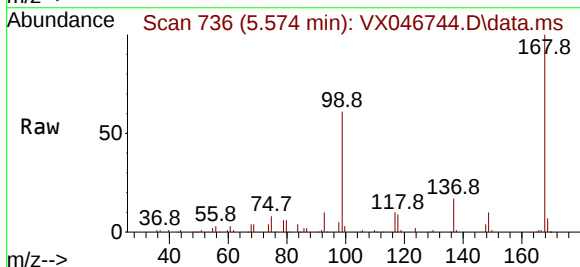
Tgt Ion: 56 Resp: 2650

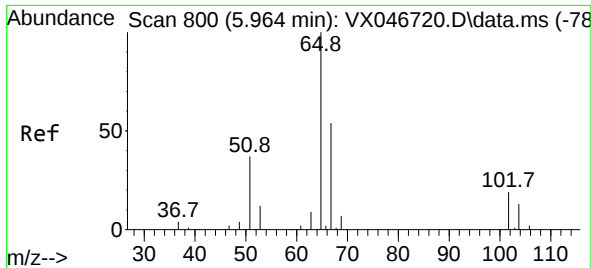
Ion Ratio Lower Upper

56 100

69 172.7 24.8 37.2#

84 162.9 68.2 102.2#

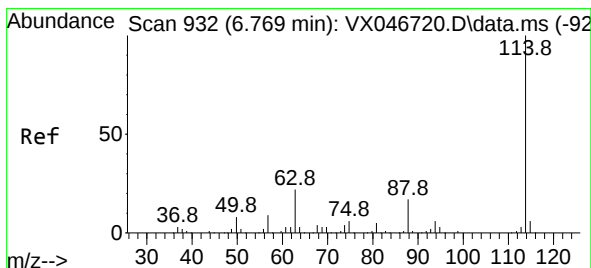
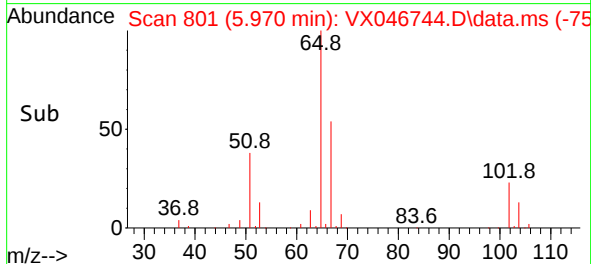
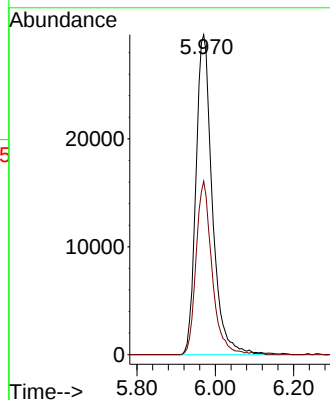
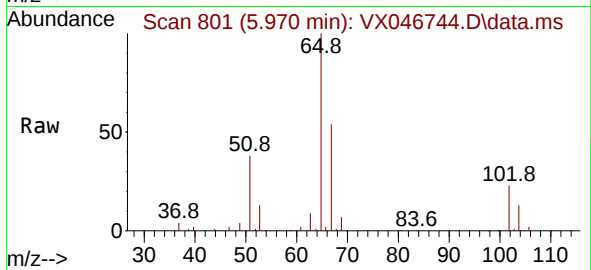




#33
1,2-Dichloroethane-d4
Concen: 48.483 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

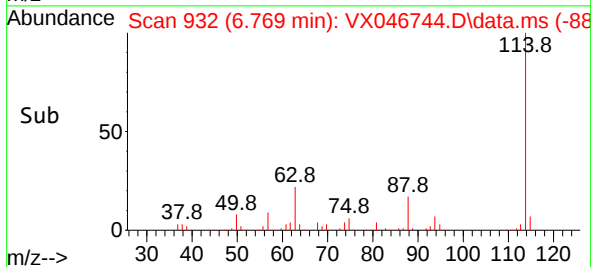
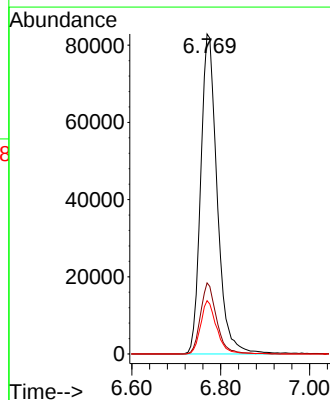
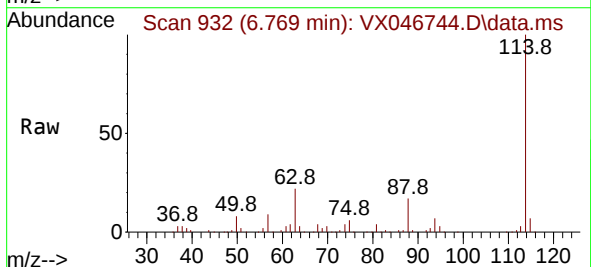
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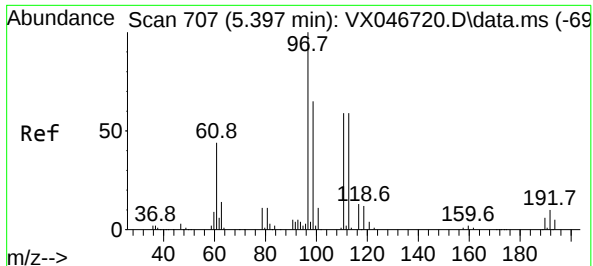
Tgt Ion: 65 Resp: 86474
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 114 Resp: 213744
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.2
88 16.6 0.0 33.2

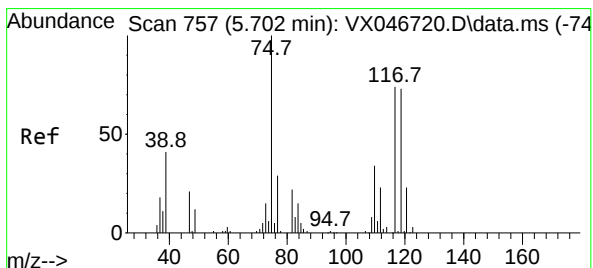
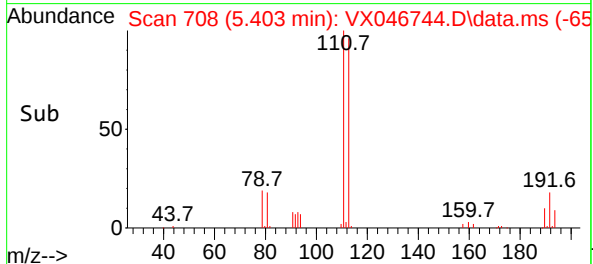
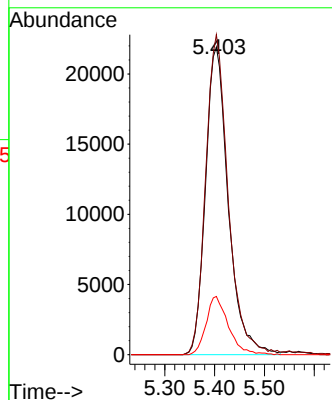
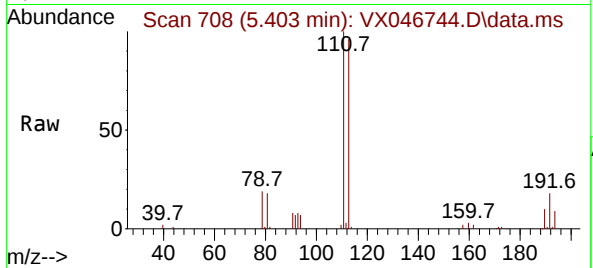




#35
Dibromofluoromethane
Concen: 49.258 ug/l
RT: 5.403 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

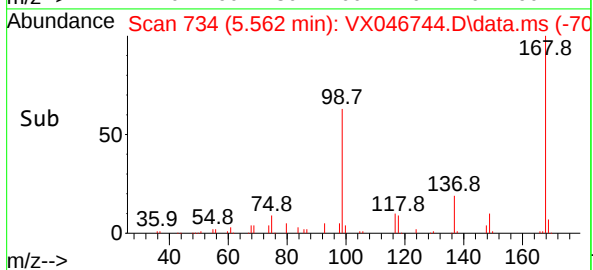
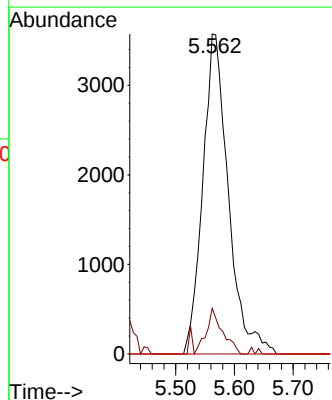
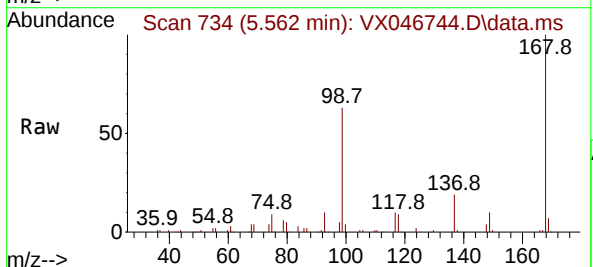
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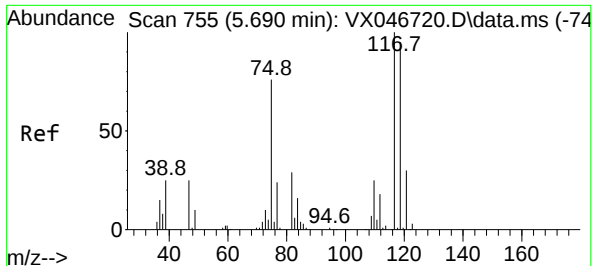
Tgt Ion:113 Resp: 69660
Ion Ratio Lower Upper
113 100
111 103.0 82.0 123.0
192 18.5 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.291 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

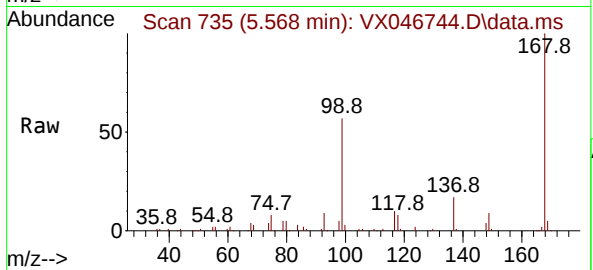
Tgt Ion: 75 Resp: 10802
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.5#
77 0.0 24.2 36.4#



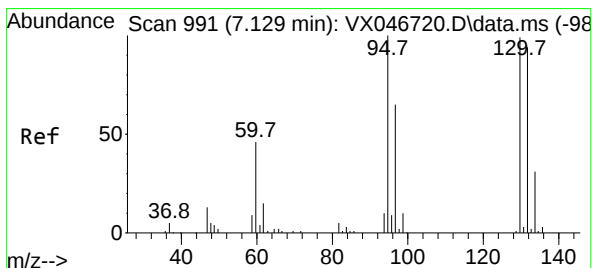
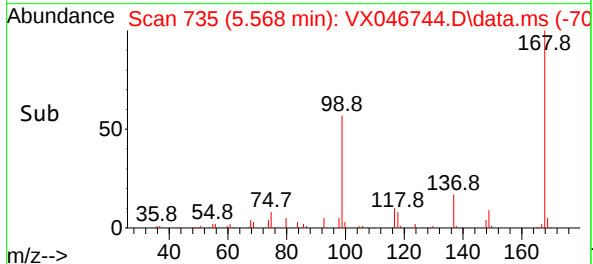
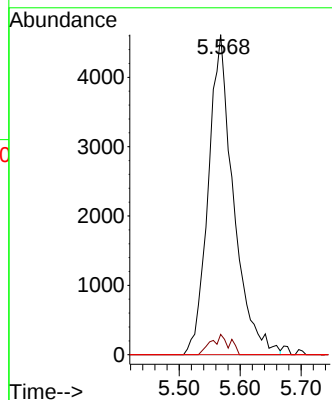


#38
Carbon Tetrachloride
Concen: 5.987 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

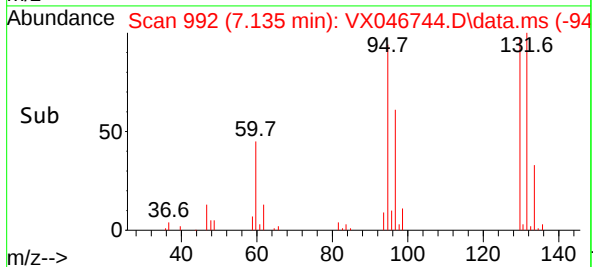
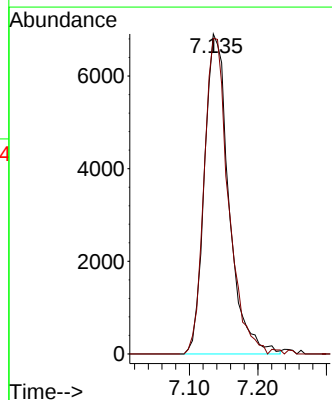
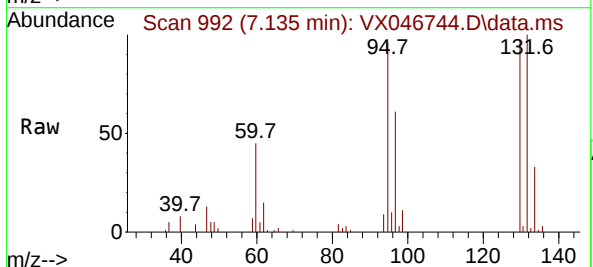


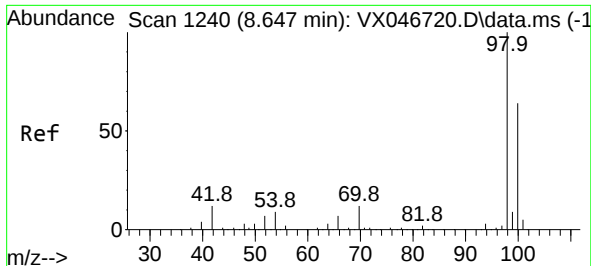
Tgt Ion:117 Resp: 13263
Ion Ratio Lower Upper
117 100
119 6.4 75.2 112.8#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 11.124 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion:130 Resp: 17127
Ion Ratio Lower Upper
130 100
95 95.5 0.0 202.6

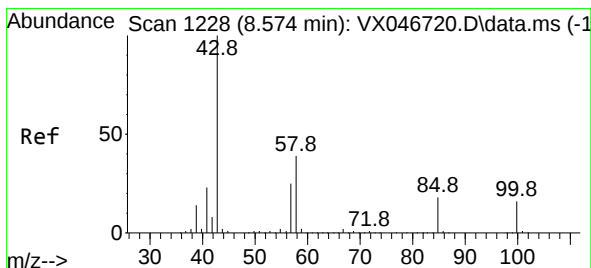
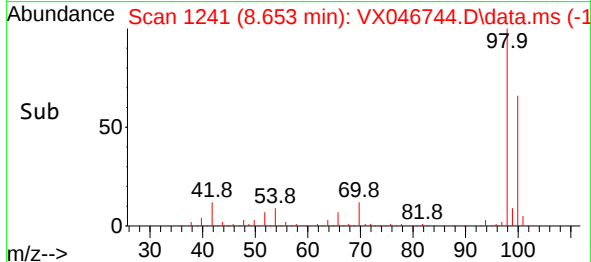
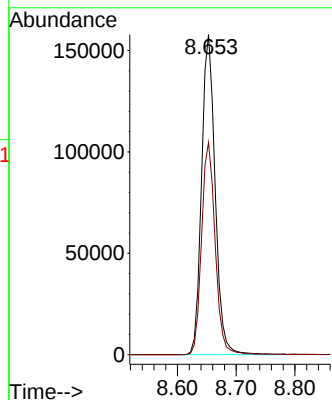
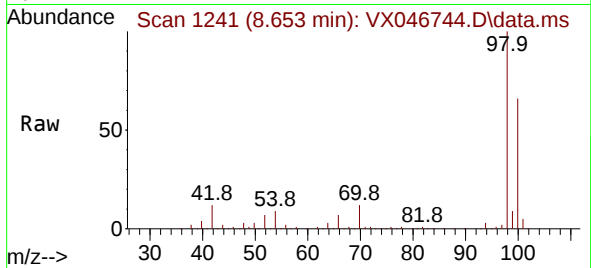




#50
Toluene-d8
Concen: 49.773 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

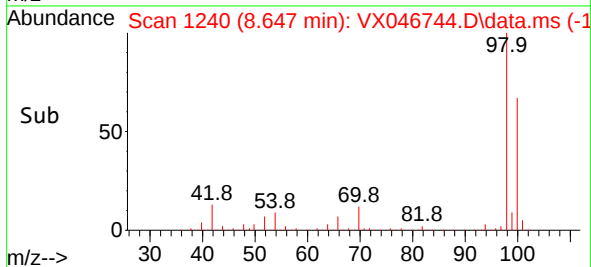
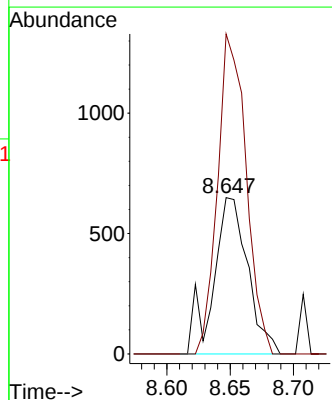
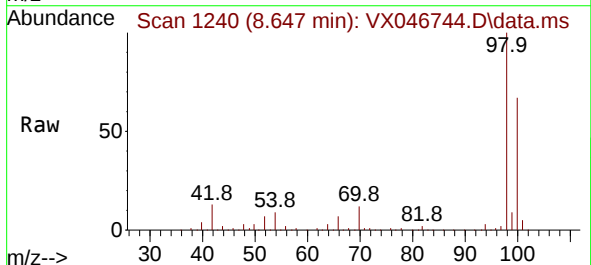
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

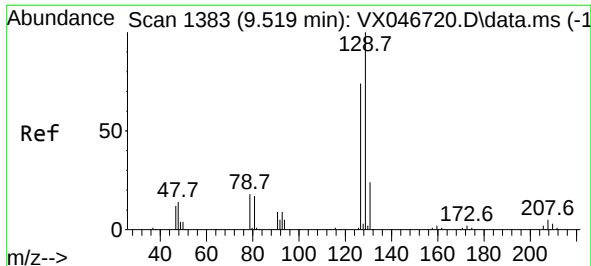
Tgt Ion: 98 Resp: 252891
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.697 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
58 170.4 30.8 46.2#

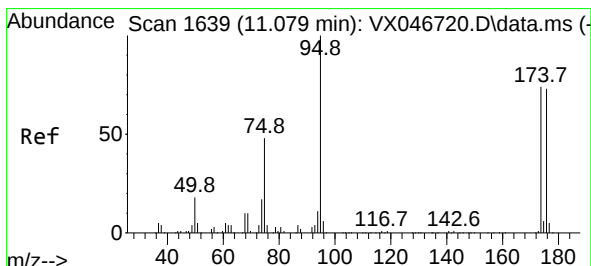
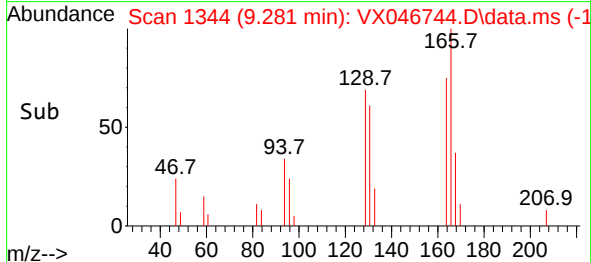
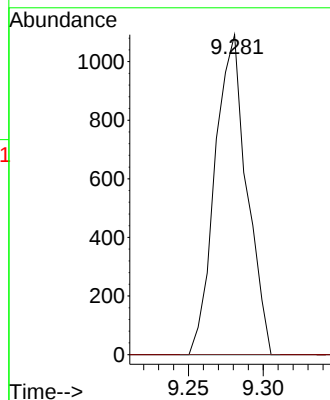
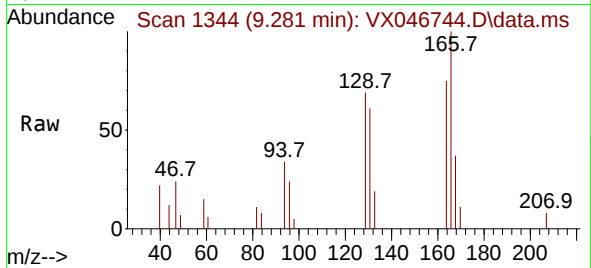




#60
Dibromochloromethane
Concen: 0.981 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

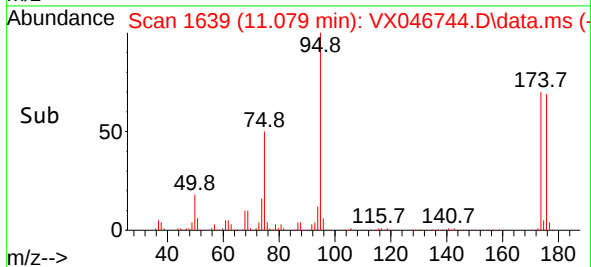
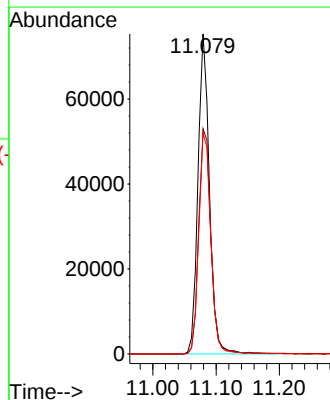
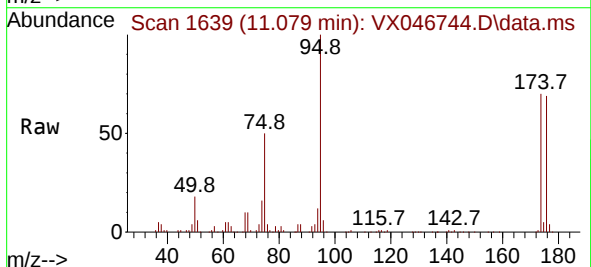
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

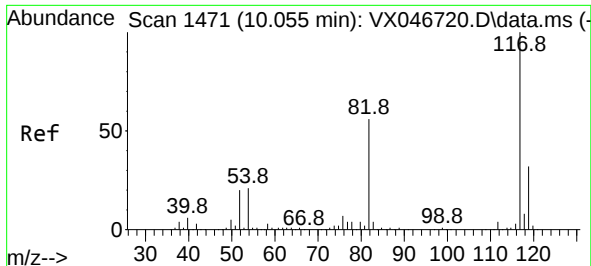
Tgt Ion:129 Resp: 1614
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 50.300 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 95 Resp: 95267
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.4
176 72.8 0.0 145.0



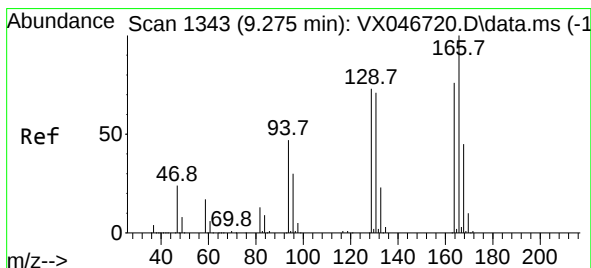
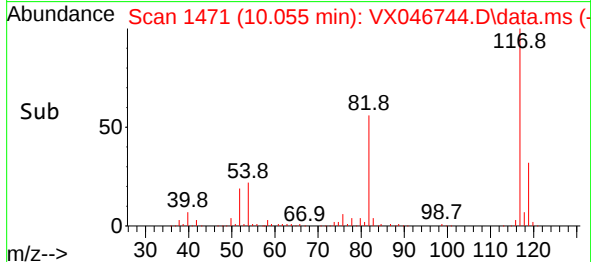
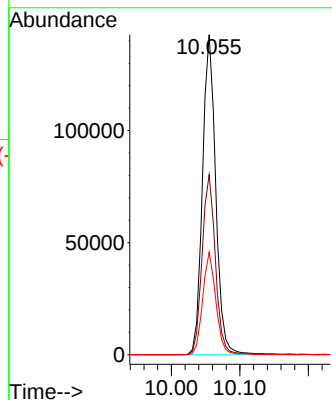
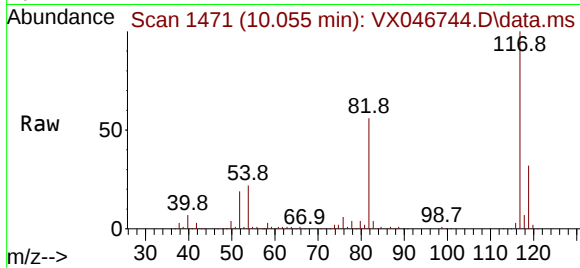


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

Tgt Ion:117 Resp: 192588

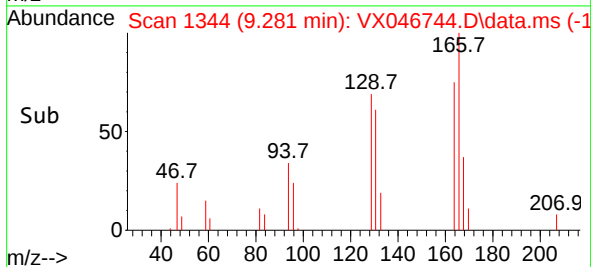
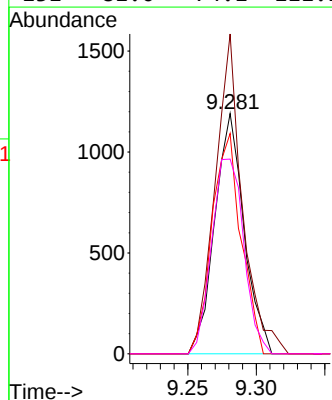
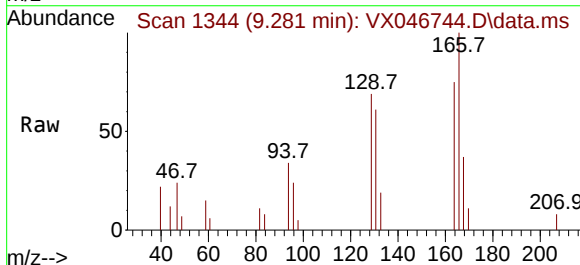
Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	66.8
119	32.1	25.8	38.8

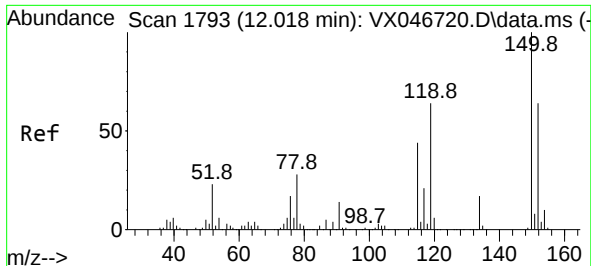


#64
Tetrachloroethene
Concen: 1.327 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion:164 Resp: 1771

Ion	Ratio	Lower	Upper
164	100		
166	133.1	104.6	157.0
129	91.7	76.3	114.5
131	81.0	74.1	111.1

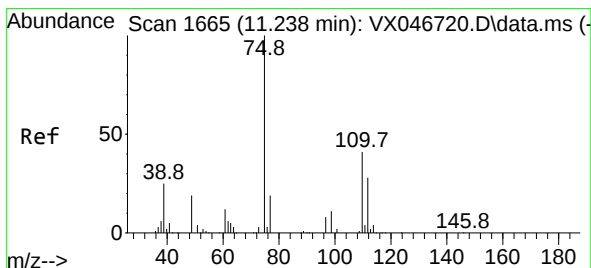
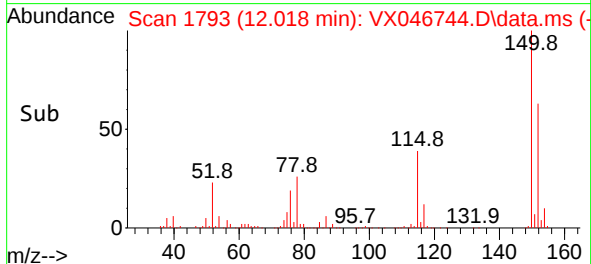
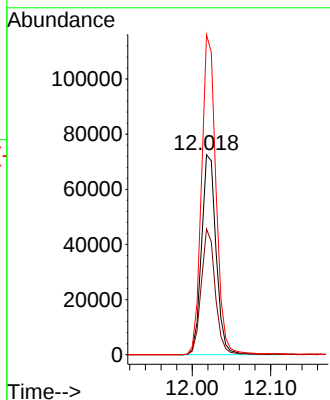
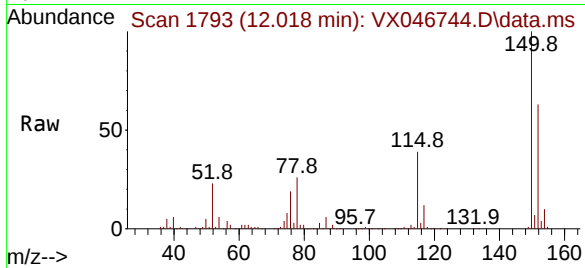




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

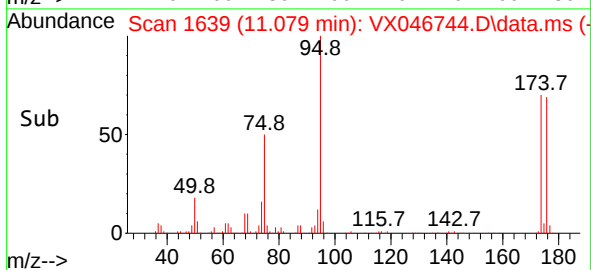
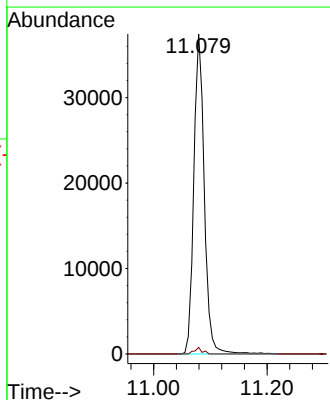
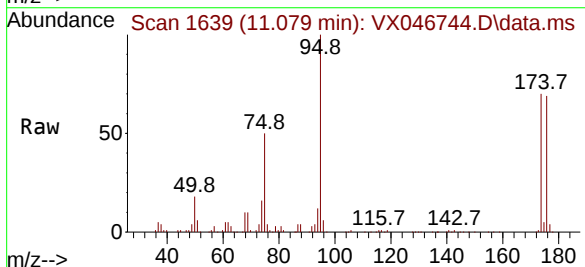
Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617

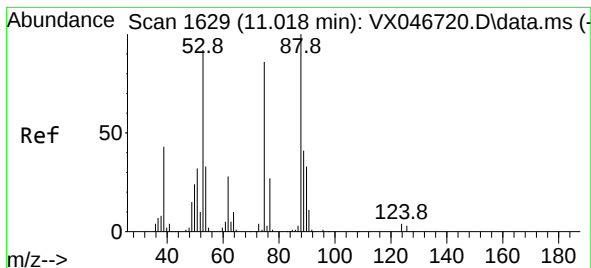
Tgt Ion:152 Resp: 93953
Ion Ratio Lower Upper
152 100
115 60.4 43.2 129.6
150 158.0 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 27.966 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

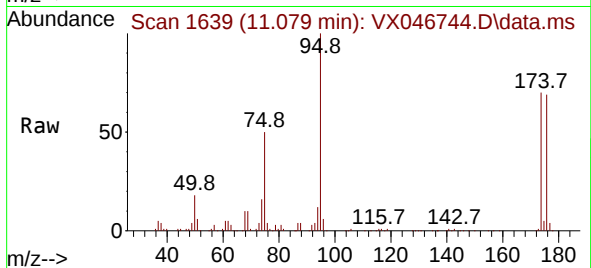
Tgt Ion: 75 Resp: 48123
Ion Ratio Lower Upper
75 100
77 1.5 18.5 55.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 79.048 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20250617



Tgt Ion: 75 Resp: 48123
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

