

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046764.D
 Acq On : 19 Jun 2025 12:12
 Operator : JC/MD
 Sample : Q2361-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT205S1-20250617

Quant Time: Jun 20 05:18:31 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)

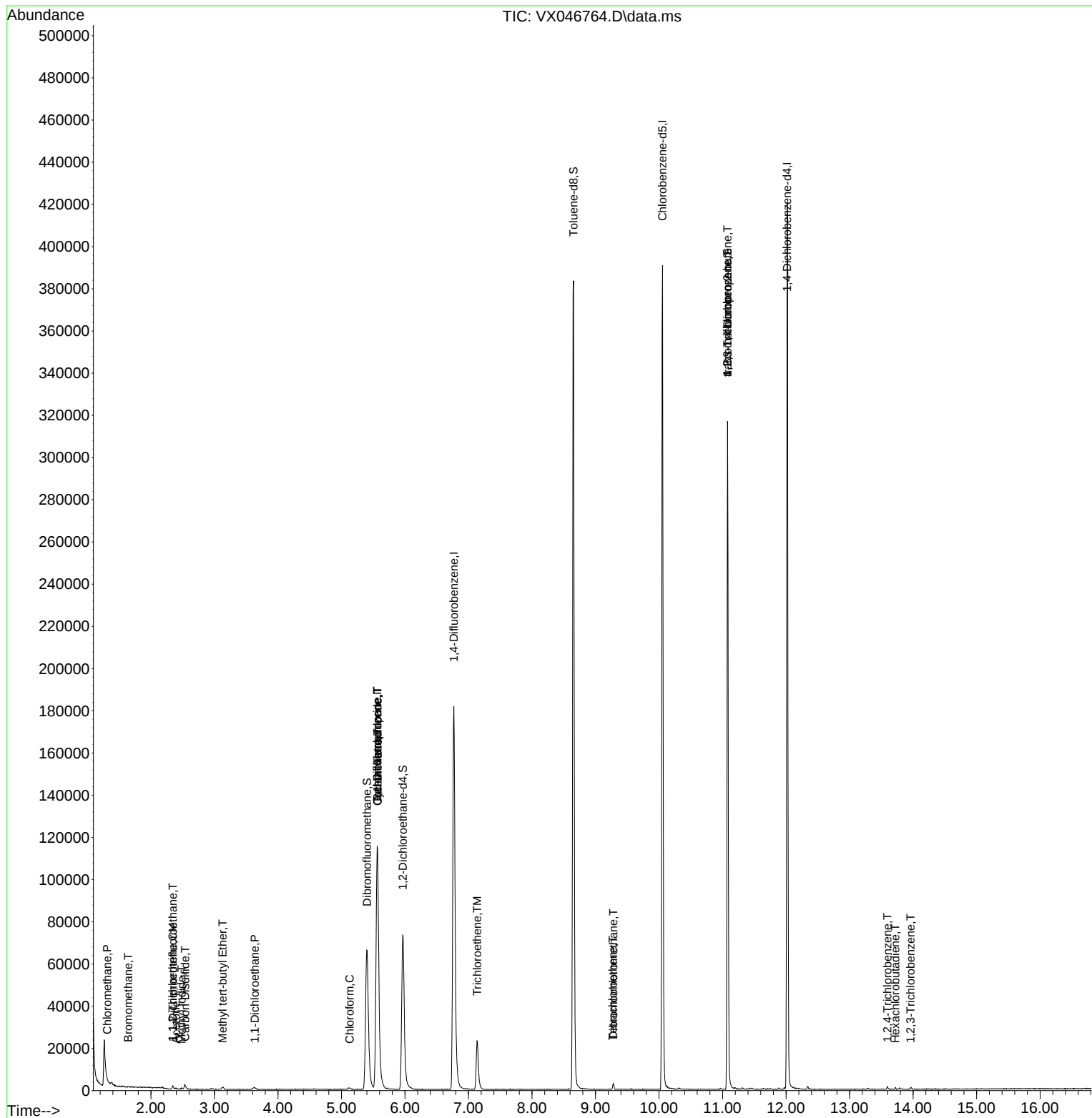
Internal Standards						
1) Pentafluorobenzene	5.562	168	120112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	200995	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	78866	47.471	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.940%
35) Dibromofluoromethane	5.403	113	65287	49.094	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	8.653	98	241409	50.527	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.060%
62) 4-Bromofluorobenzene	11.079	95	86656	48.656	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	334	0.241	ug/l #	84
5) Bromomethane	1.642	94	277	0.334	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	316	0.230	ug/l #	71
10) Methyl Iodide	2.483	142	557	4.629	ug/l #	75
12) 1,1-Dichloroethene	2.343	96	405	0.305	ug/l #	62
16) Acetone	2.392	43	624	1.126	ug/l #	72
17) Carbon Disulfide	2.538	76	896	0.224	ug/l #	74
19) Methyl tert-butyl Ether	3.129	73	1276	0.309	ug/l #	84
24) 1,1-Dichloroethane	3.635	63	1530	0.583	ug/l #	81
30) Chloroform	5.129	83	1003	0.382	ug/l	95
31) Cyclohexane	5.568	56	2453	0.986	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	9640	5.022	ug/l #	51
38) Carbon Tetrachloride	5.568	117	12263	5.886	ug/l #	17
44) Trichloroethene	7.135	130	10170	7.024	ug/l	97
60) Dibromochloromethane	9.281	129	566	0.366	ug/l #	11
64) Tetrachloroethene	9.275	164	517	0.420	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	43736	28.360	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43736	80.161	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.597	180	484	0.250	ug/l #	86
94) Hexachlorobutadiene	13.719	225	233	0.287	ug/l	82
96) 1,2,3-Trichlorobenzene	13.963	180	436	0.236	ug/l	89

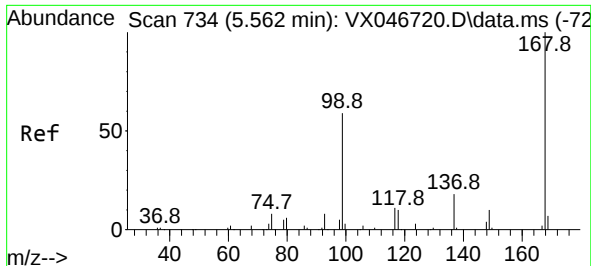
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
TT205S1-20250617

Quant Time: Jun 20 05:18:31 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

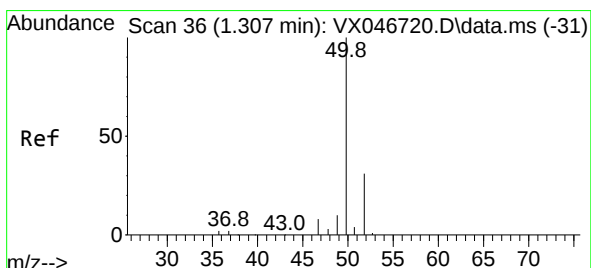
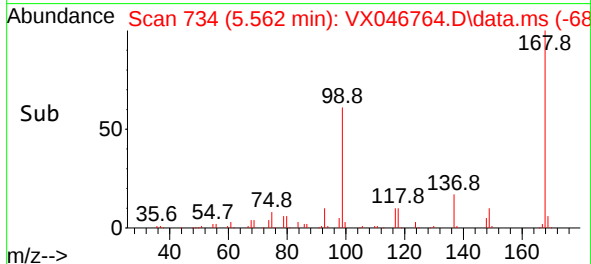
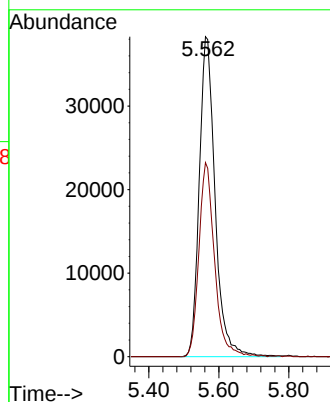
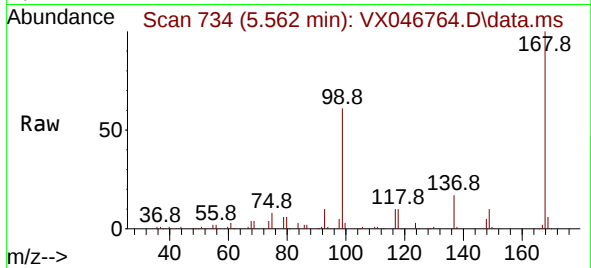




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

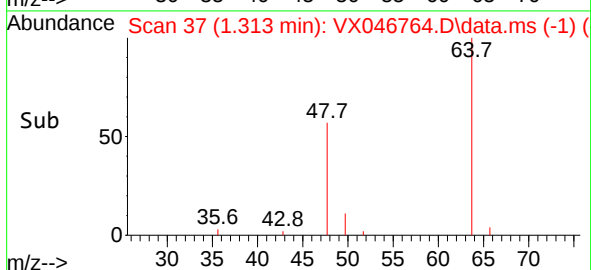
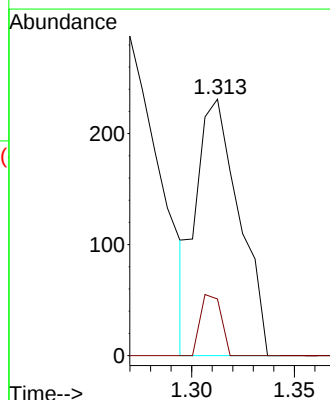
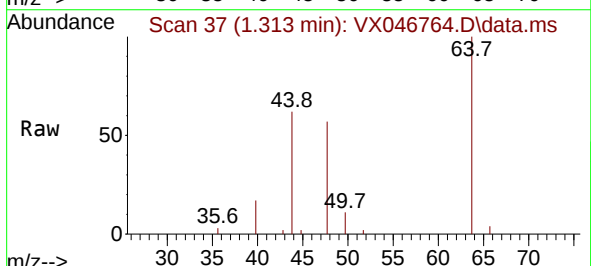
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

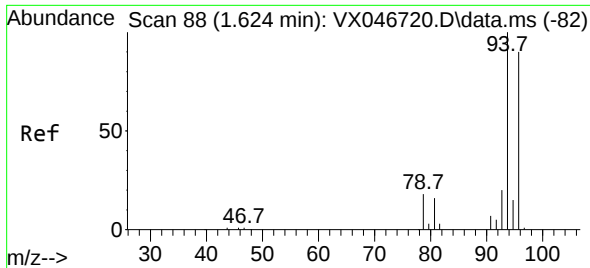
Tgt Ion:168 Resp: 120112
Ion Ratio Lower Upper
168 100
99 60.6 48.5 72.7



#3
Chloromethane
Concen: 0.241 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion: 50 Resp: 334
Ion Ratio Lower Upper
50 100
52 22.1 24.9 37.3#

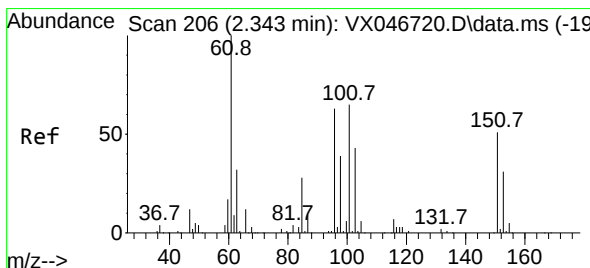
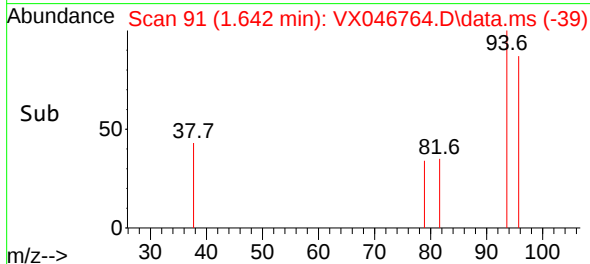
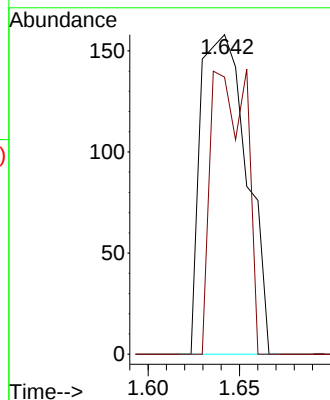
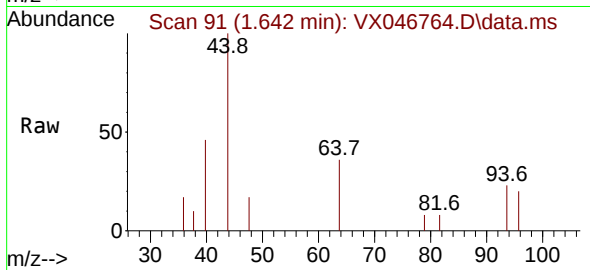




#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

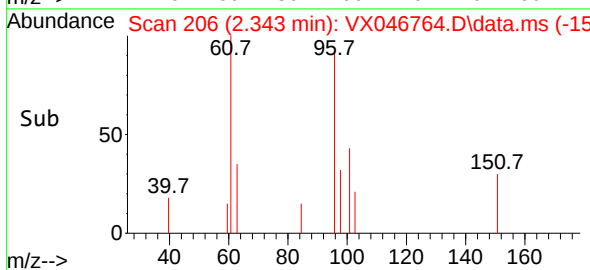
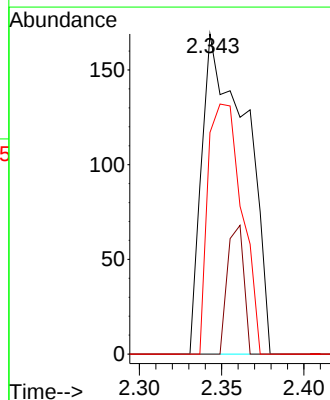
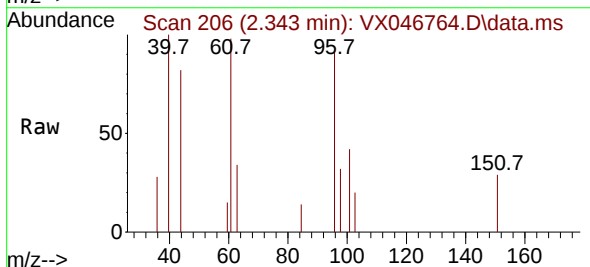
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

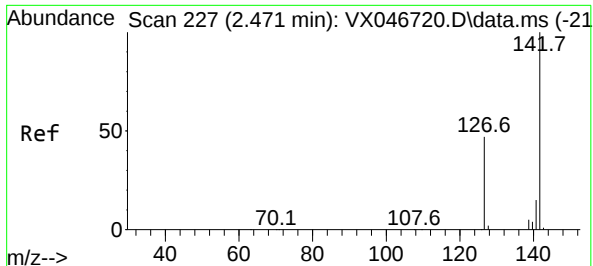
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 86.7 72.3 108.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.230 ug/l
RT: 2.343 min Scan# 206
Delta R.T. -0.000 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

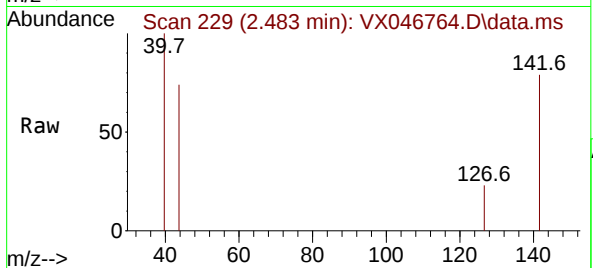
Tgt Ion: 101 Resp: 316
Ion Ratio Lower Upper
101 100
85 14.9 35.4 53.0#
151 59.8 61.2 91.8#



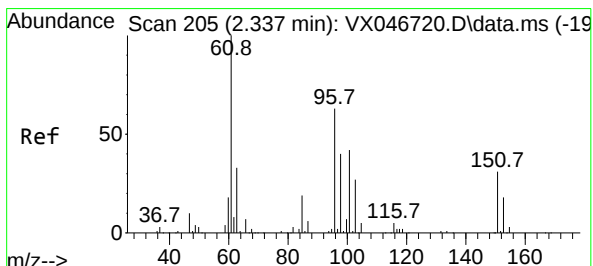
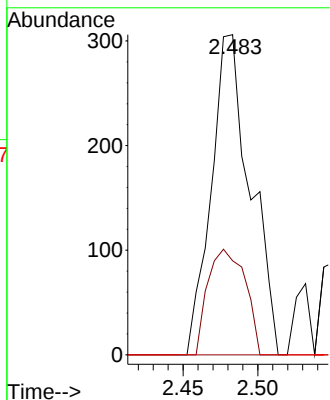
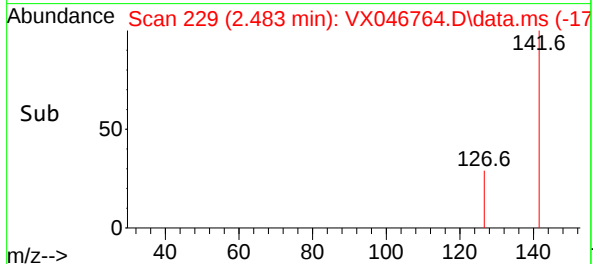


#10
Methyl Iodide
Concen: 4.629 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

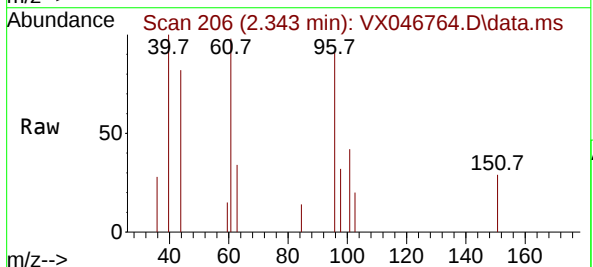
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617



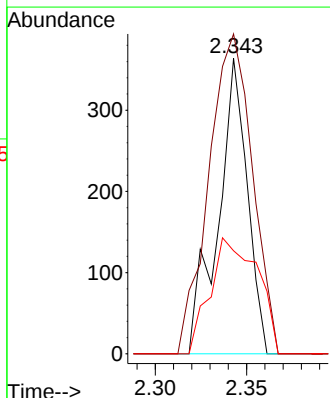
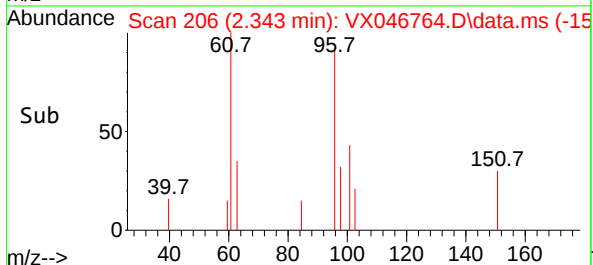
Tgt Ion:142 Resp: 557
Ion Ratio Lower Upper
142 100
127 31.4 37.0 55.6#
141 0.0 11.5 17.3#

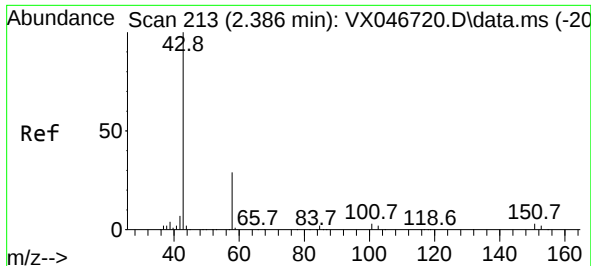


#12
1,1-Dichloroethene
Concen: 0.305 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12



Tgt Ion: 96 Resp: 405
Ion Ratio Lower Upper
96 100
61 108.2 126.6 189.8#
98 34.9 50.7 76.1#

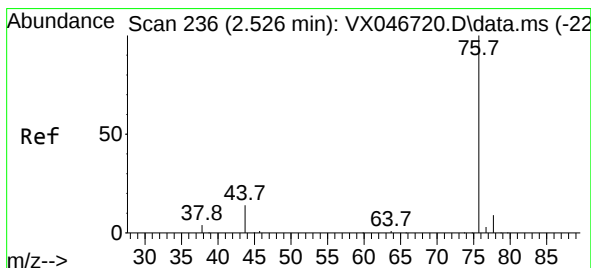
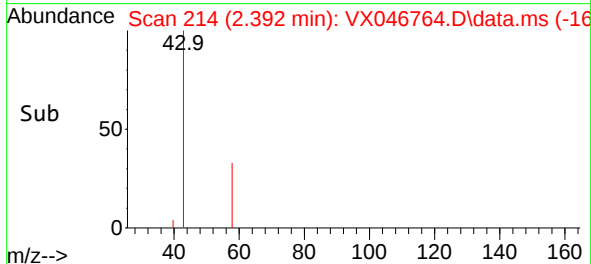
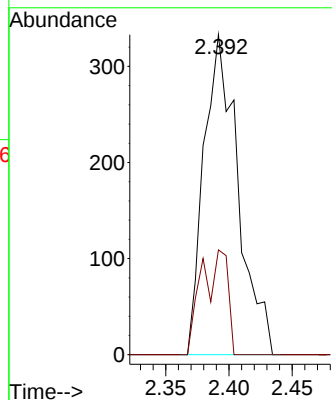
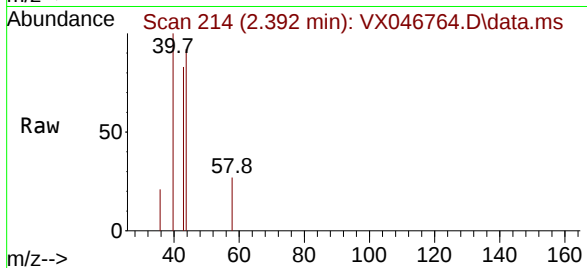




#16
Acetone
Concen: 1.126 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

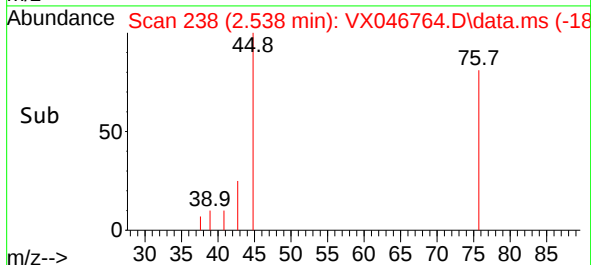
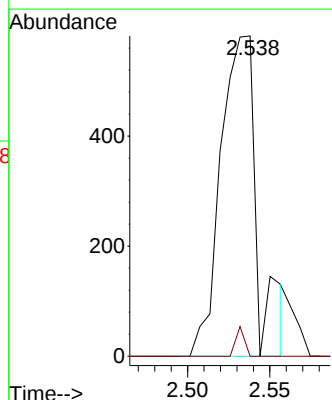
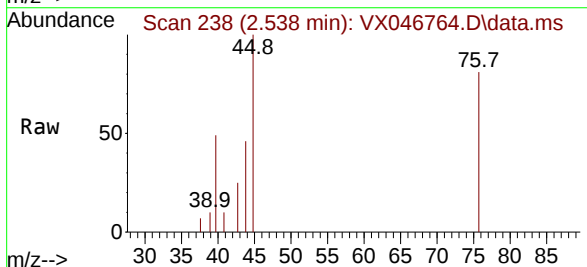
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

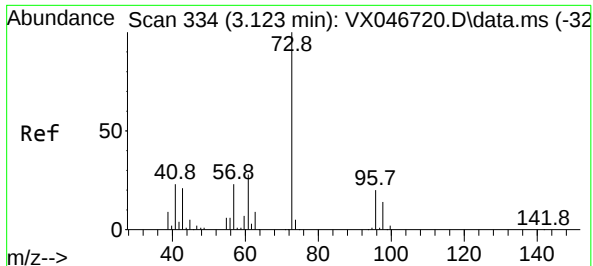
Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 15.5 24.5 36.7#



#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.012 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion: 76 Resp: 896
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

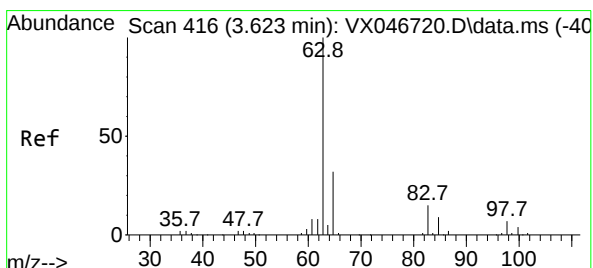
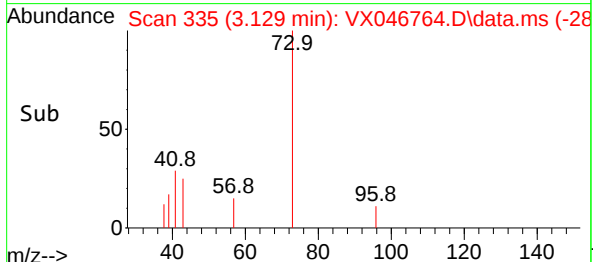
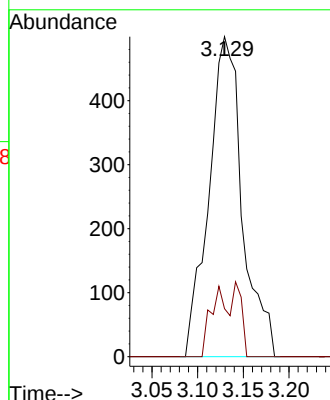
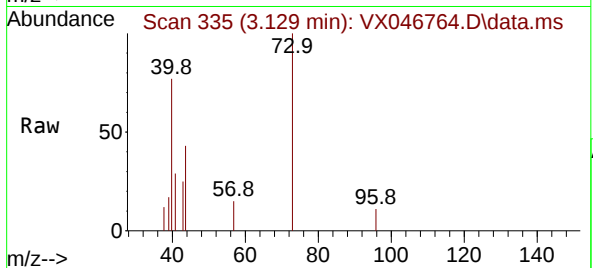




#19
Methyl tert-butyl Ether
Concen: 0.309 ug/l
RT: 3.129 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

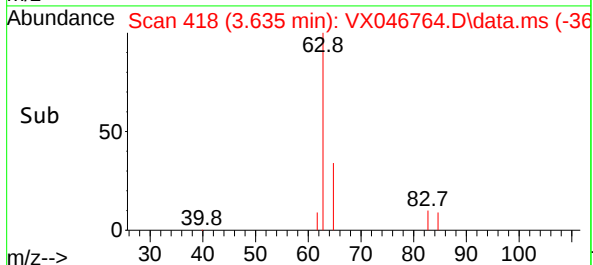
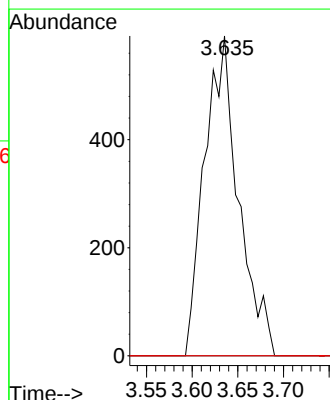
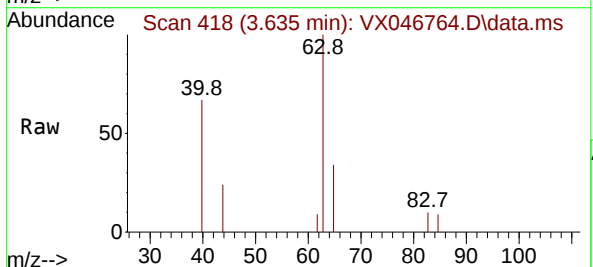
Instrument :
MSVOA_X
ClientSampleId :
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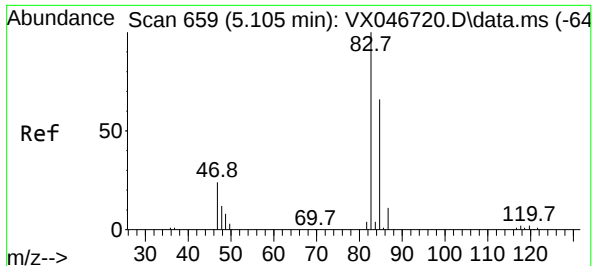
Tgt Ion: 73 Resp: 1276
Ion Ratio Lower Upper
73 100
57 15.0 18.2 27.2#



#24
1,1-Dichloroethane
Concen: 0.583 ug/l
RT: 3.635 min Scan# 418
Delta R.T. 0.012 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion: 63 Resp: 1530
Ion Ratio Lower Upper
63 100
98 0.0 4.0 11.9#
100 0.0 2.2 6.6#

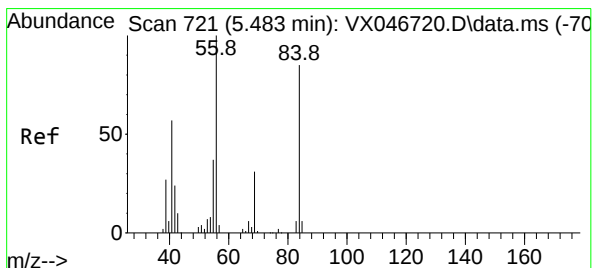
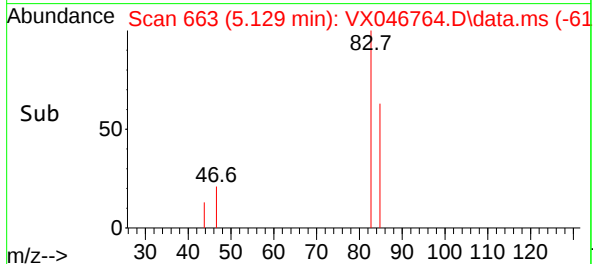
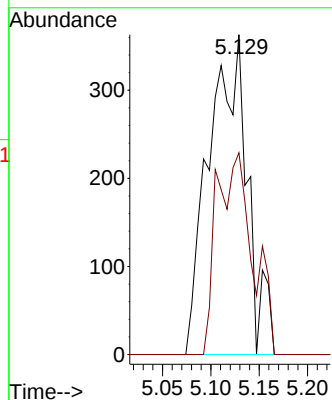
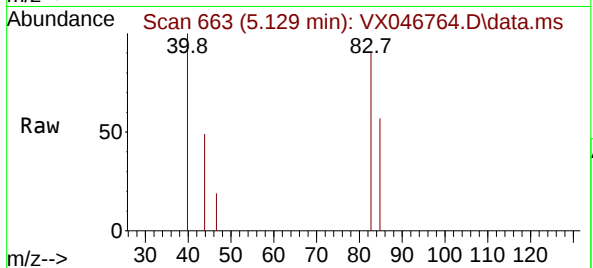




#30
Chloroform
Concen: 0.382 ug/l
RT: 5.129 min Scan# 610
Delta R.T. 0.024 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

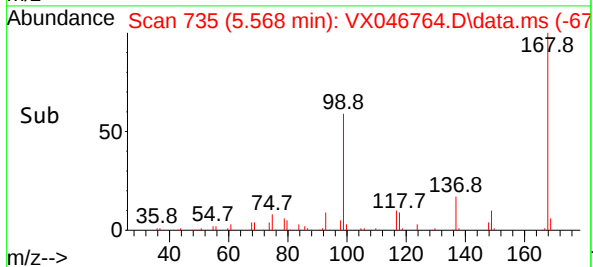
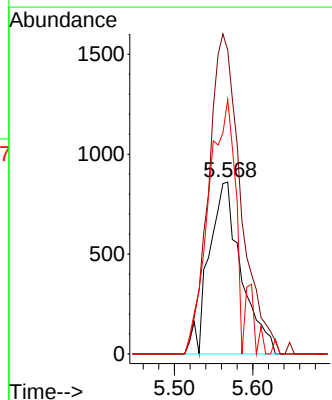
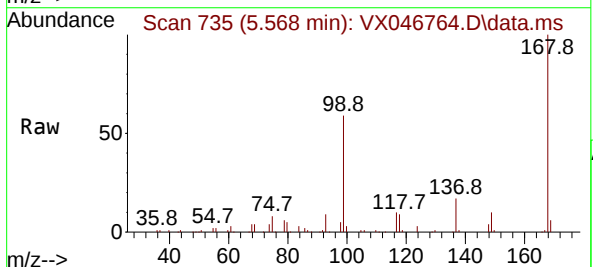
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

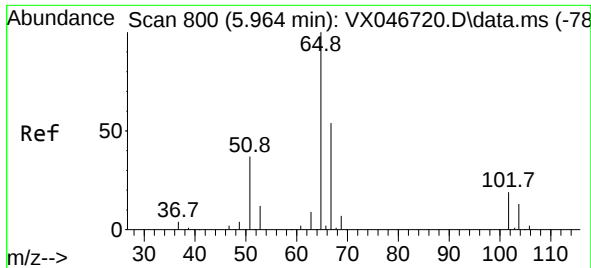
Tgt Ion: 83 Resp: 1003
Ion Ratio Lower Upper
83 100
85 63.1 53.7 80.5



#31
Cyclohexane
Concen: 0.986 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion: 56 Resp: 2453
Ion Ratio Lower Upper
56 100
69 176.9 24.8 37.2#
84 148.1 68.2 102.2#

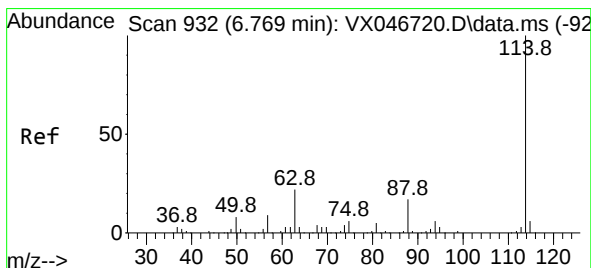
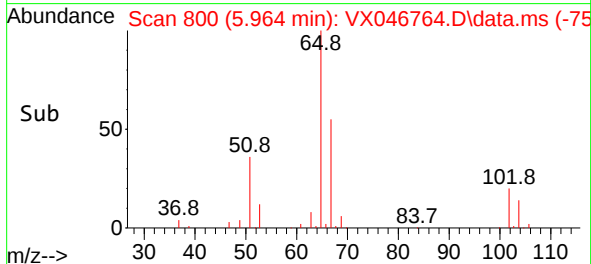
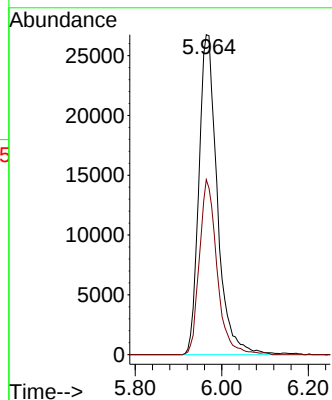
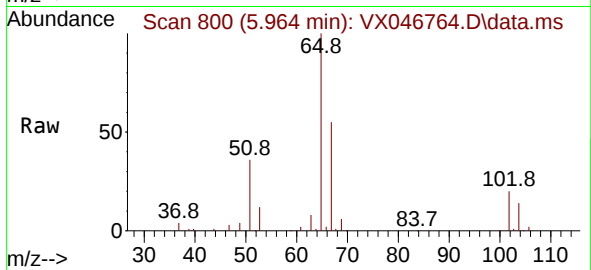




#33
 1,2-Dichloroethane-d4
 Concen: 47.471 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX046764.D
 Acq: 19 Jun 2025 12:12

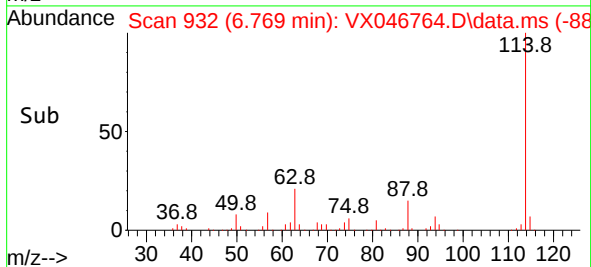
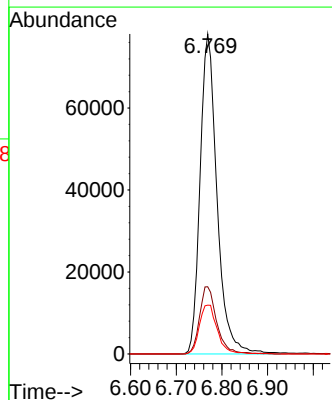
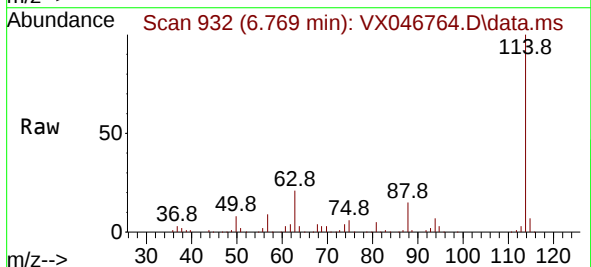
Instrument :
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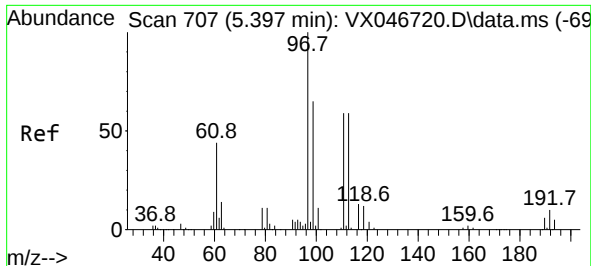
Tgt Ion: 65 Resp: 78866
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX046764.D
 Acq: 19 Jun 2025 12:12

Tgt Ion: 114 Resp: 200995
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.2
 88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.094 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX046764.D

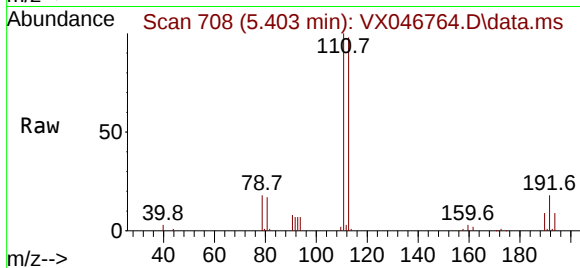
Acq: 19 Jun 2025 12:12

Instrument :

MSVOA_X

ClientSampleId :

TT205S1-20250617



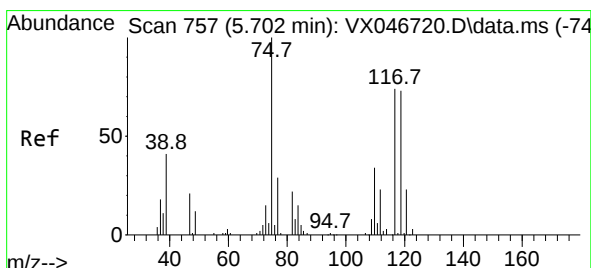
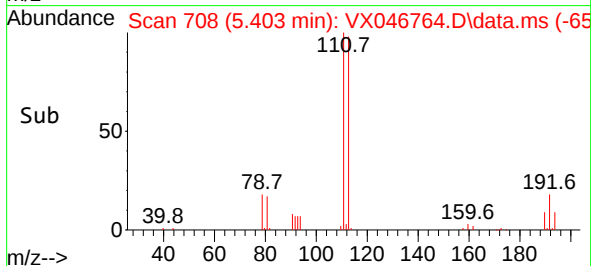
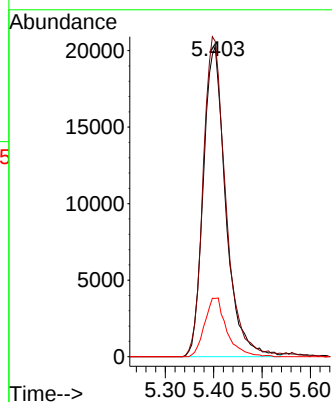
Tgt Ion:113 Resp: 65287

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 18.7 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.022 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX046764.D

Acq: 19 Jun 2025 12:12

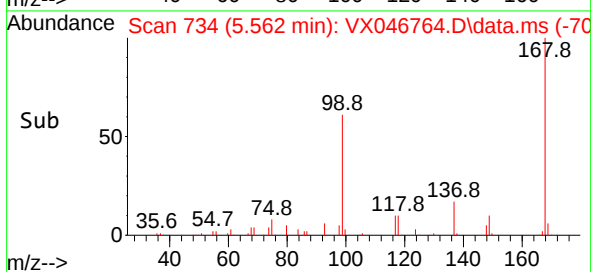
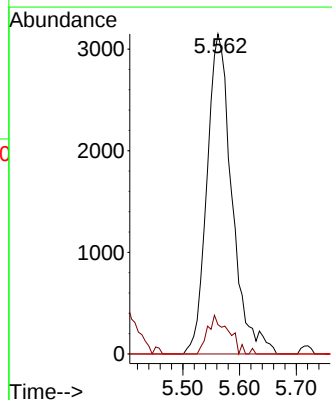
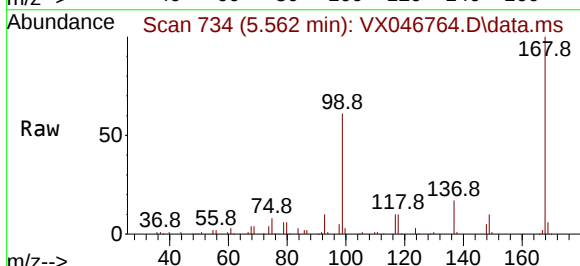
Tgt Ion: 75 Resp: 9640

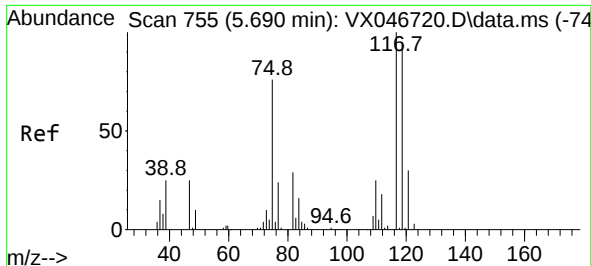
Ion Ratio Lower Upper

75 100

110 10.0 17.2 51.5#

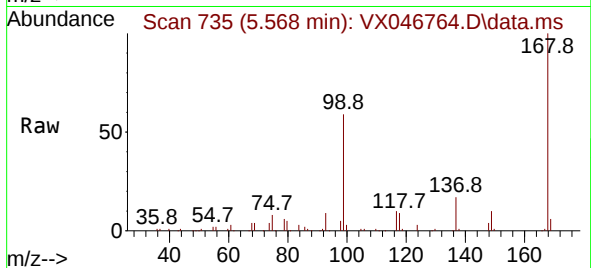
77 0.0 24.2 36.4#



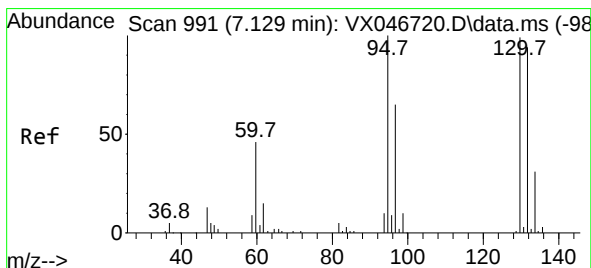
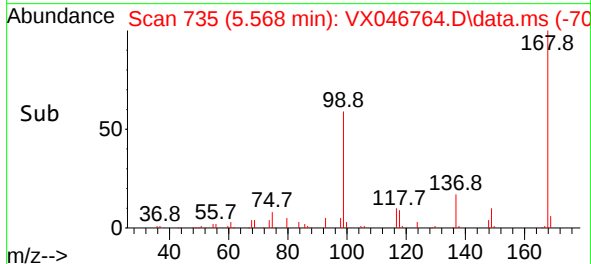
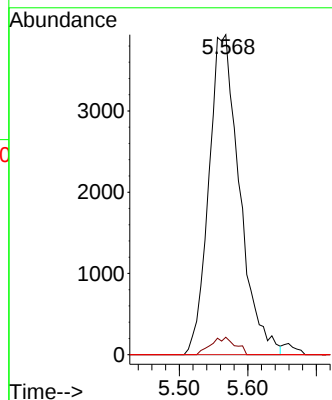


#38
Carbon Tetrachloride
Concen: 5.886 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

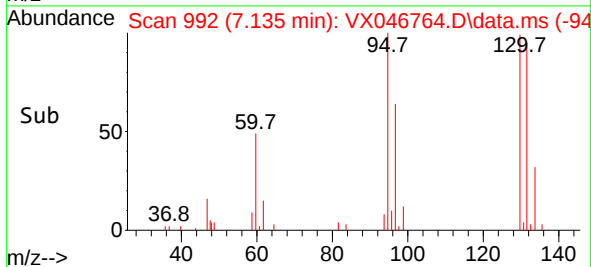
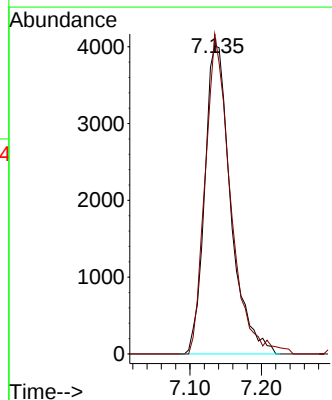
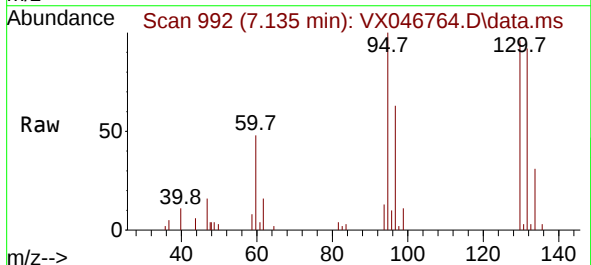


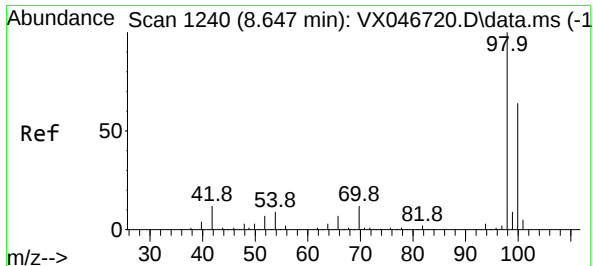
Tgt Ion:117 Resp: 12263
Ion Ratio Lower Upper
117 100
119 5.5 75.2 112.8#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 7.024 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion:130 Resp: 10170
Ion Ratio Lower Upper
130 100
95 103.9 0.0 202.6

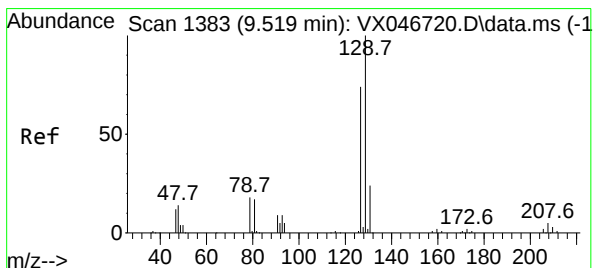
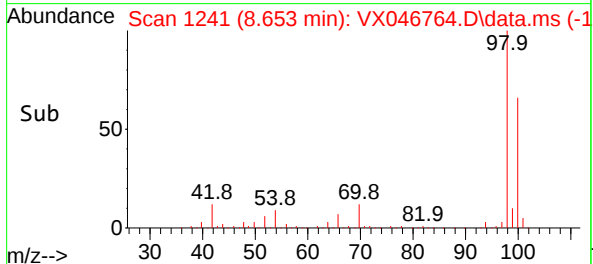
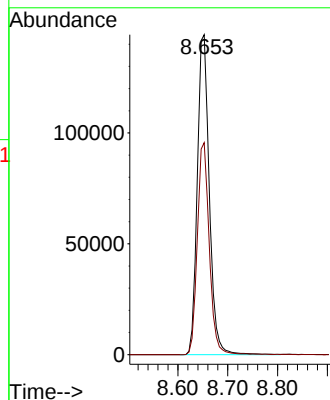
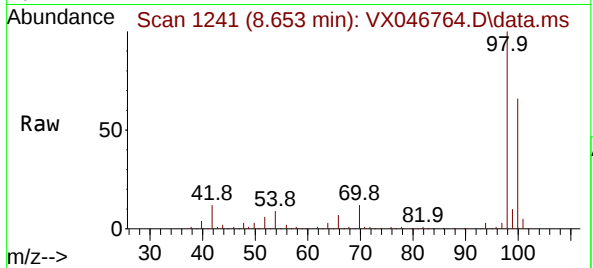




#50
Toluene-d8
Concen: 50.527 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

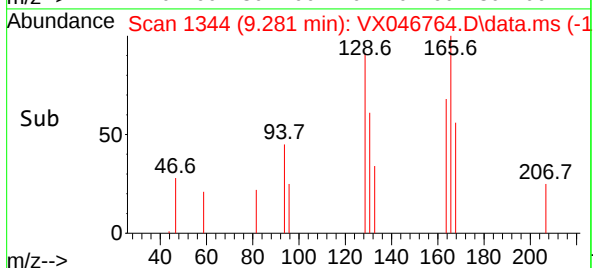
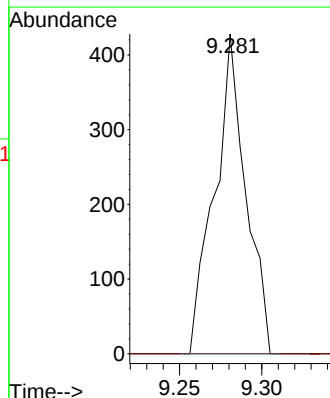
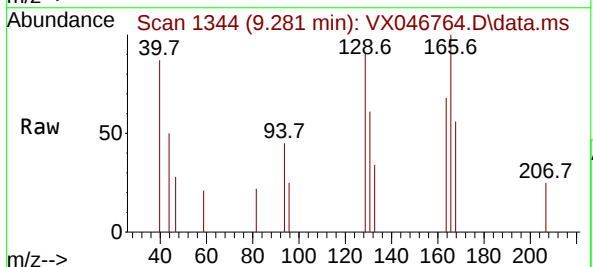
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

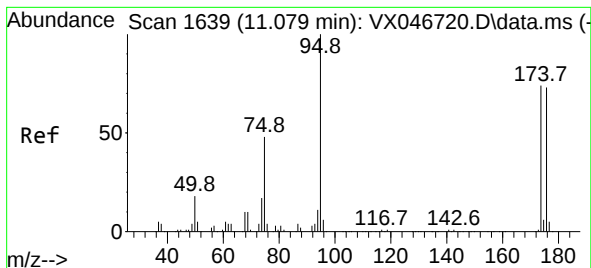
Tgt Ion: 98 Resp: 241409
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#60
Dibromochloromethane
Concen: 0.366 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion: 129 Resp: 566
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

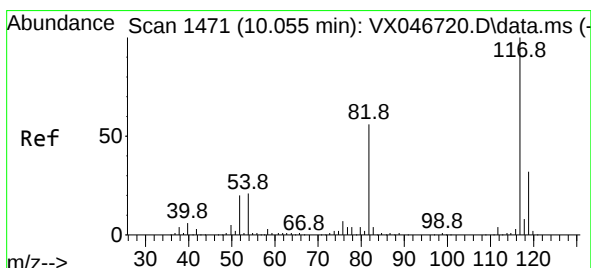
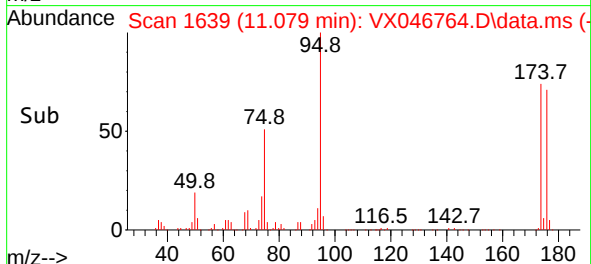
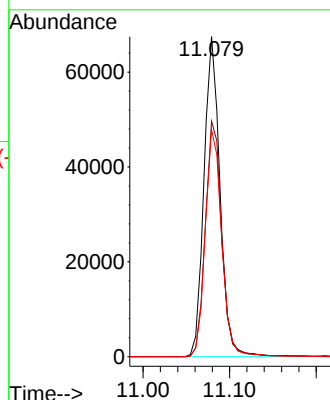
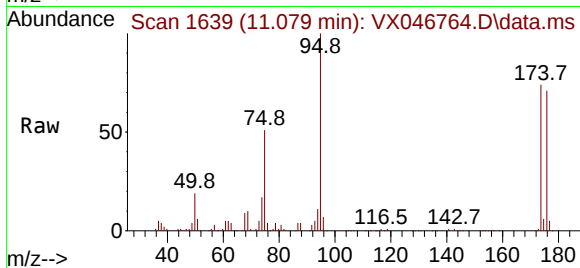




#62
4-Bromofluorobenzene
Concen: 48.656 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

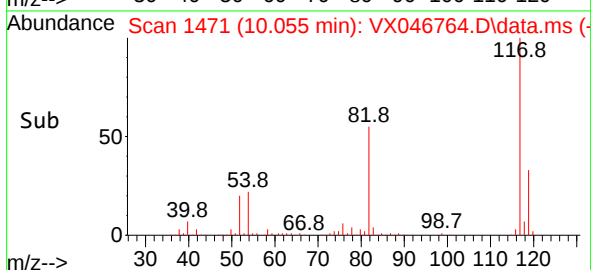
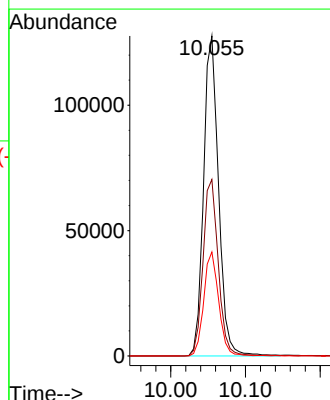
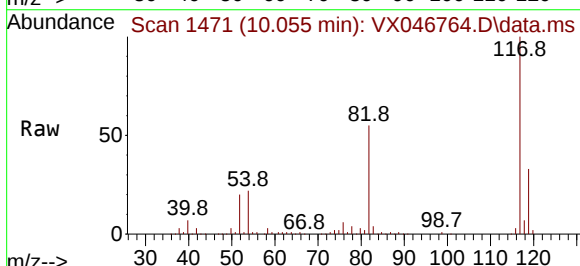
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

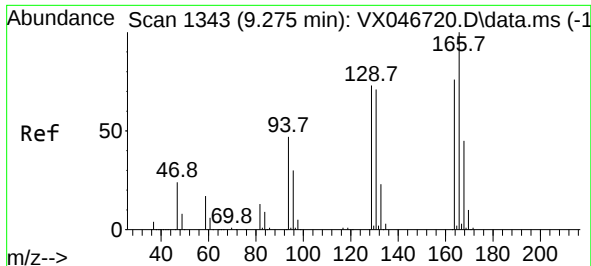
Tgt Ion: 95 Resp: 86656
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.4
176 73.1 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion: 117 Resp: 177542
Ion Ratio Lower Upper
117 100
82 55.1 44.6 66.8
119 32.5 25.8 38.8

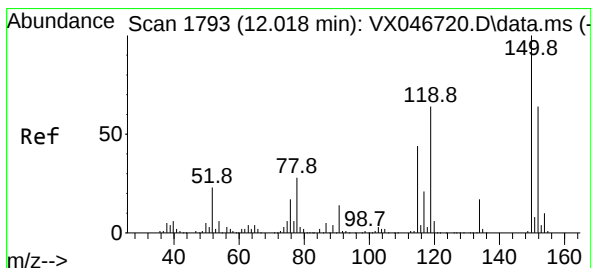
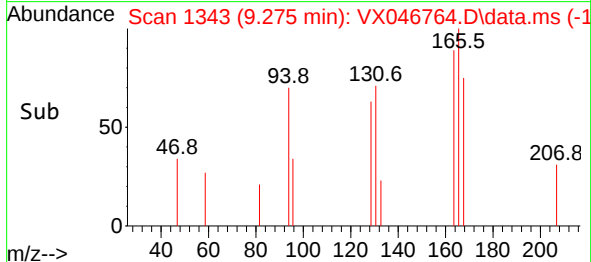
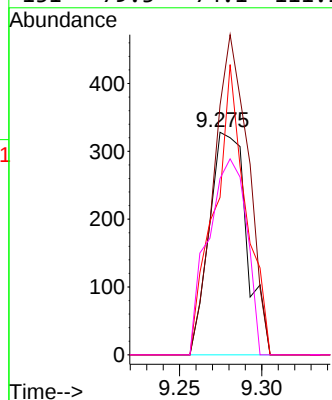
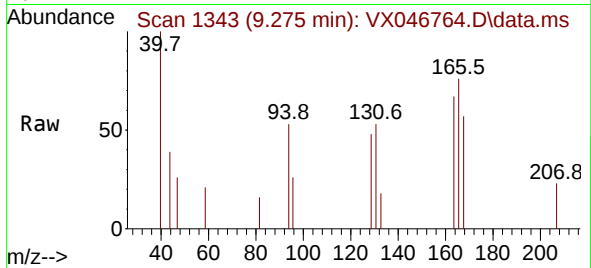




#64
Tetrachloroethene
Concen: 0.420 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

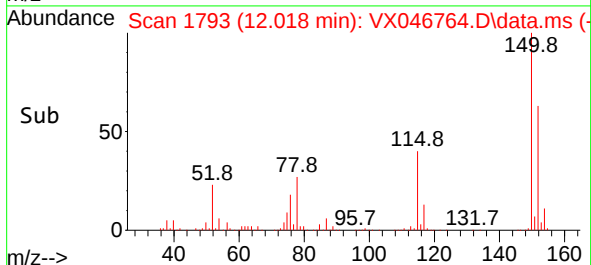
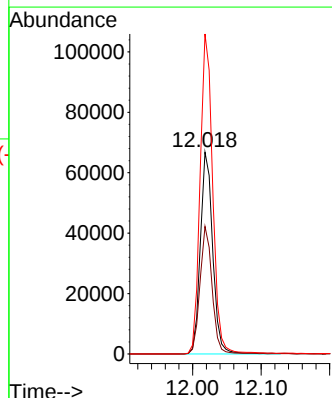
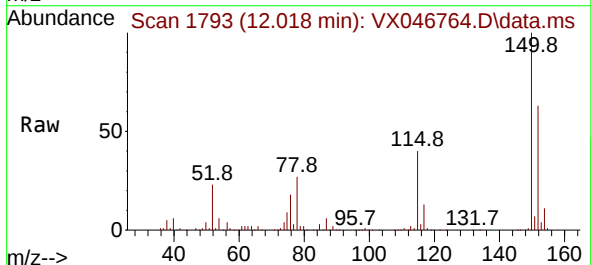
Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20250617

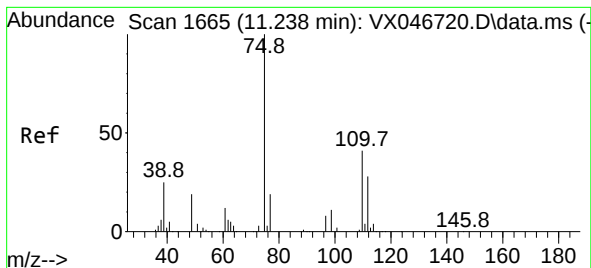
Tgt Ion:164 Resp: 517
Ion Ratio Lower Upper
164 100
166 112.2 104.6 157.0
129 70.7 76.3 114.5#
131 79.3 74.1 111.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046764.D
Acq: 19 Jun 2025 12:12

Tgt Ion:152 Resp: 84203
Ion Ratio Lower Upper
152 100
115 62.1 43.2 129.6
150 161.1 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 28.360 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046764.D

Acq: 19 Jun 2025 12:12

Instrument :

MSVOA_X

ClientSampleId :

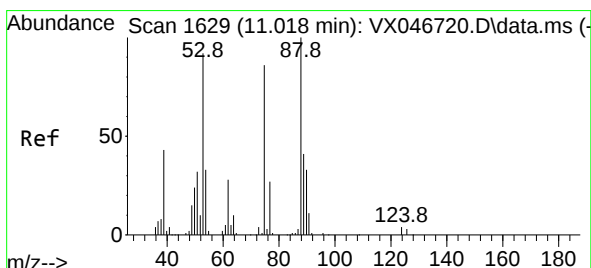
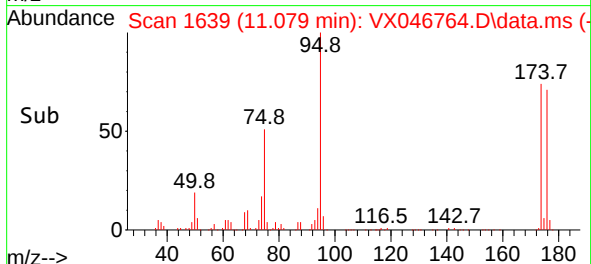
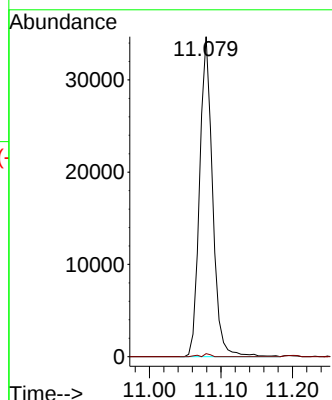
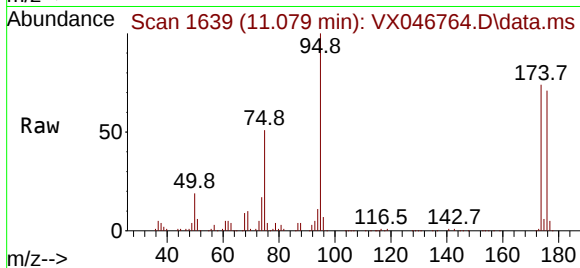
TT205S1-20250617

Tgt Ion: 75 Resp: 43736

Ion Ratio Lower Upper

75 100

77 0.7 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.161 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046764.D

Acq: 19 Jun 2025 12:12

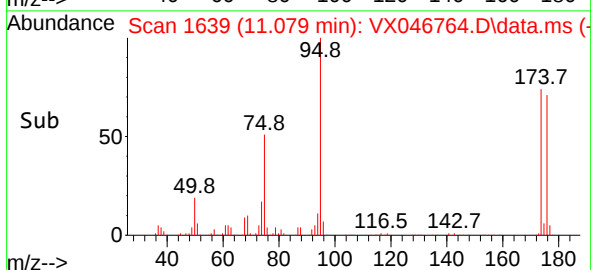
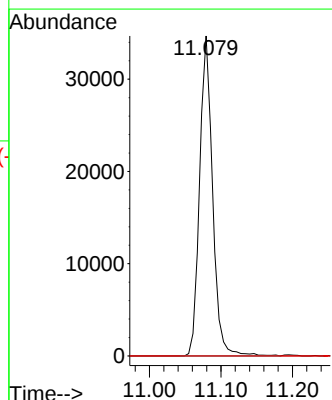
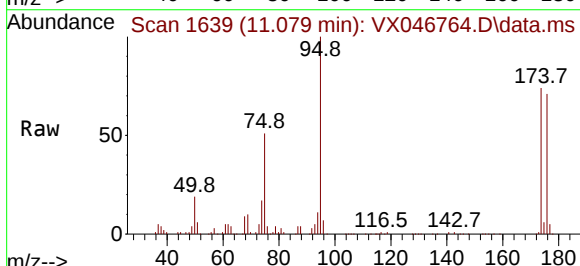
Tgt Ion: 75 Resp: 43736

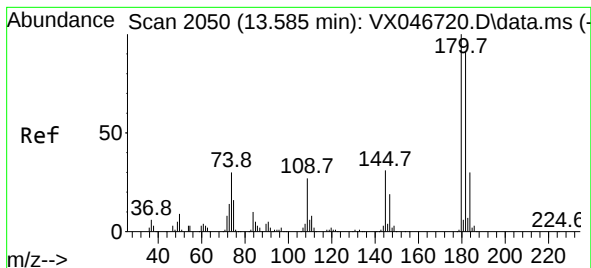
Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.250 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX046764.D

Acq: 19 Jun 2025 12:12

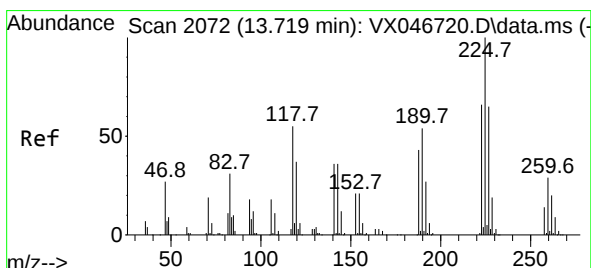
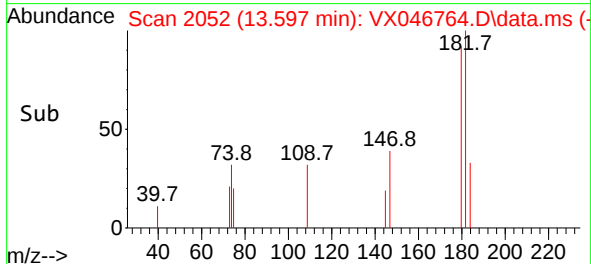
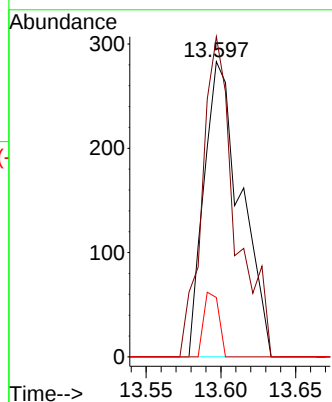
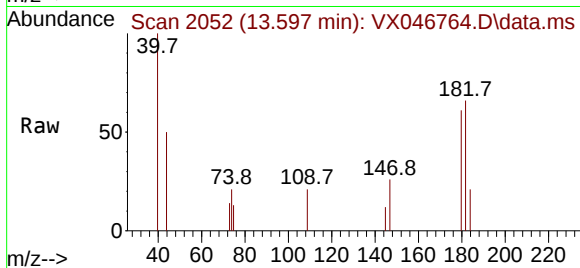
Instrument :

MSVOA_X

ClientSampleId :

TT205S1-20250617

Tgt Ion:180	Resp:	484
Ion Ratio	Lower	Upper
180	100	
182	98.6	46.7 140.1
145	9.1	15.8 47.4#



#94

Hexachlorobutadiene

Concen: 0.287 ug/l

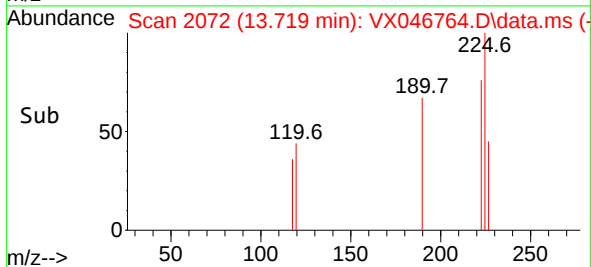
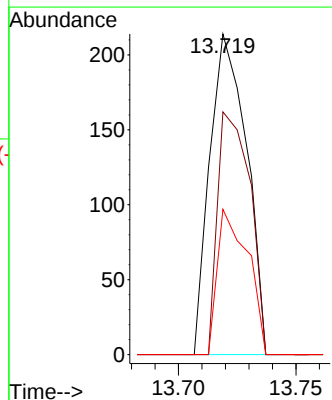
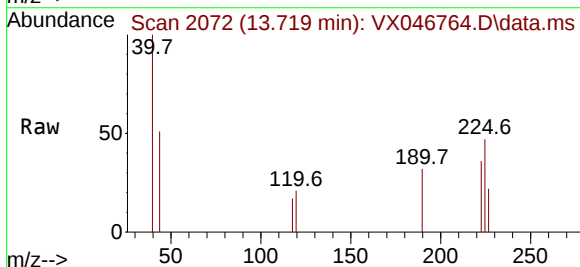
RT: 13.719 min Scan# 2072

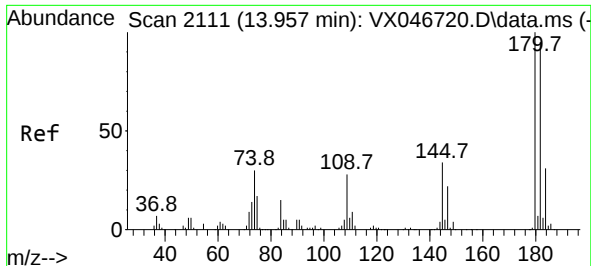
Delta R.T. -0.000 min

Lab File: VX046764.D

Acq: 19 Jun 2025 12:12

Tgt Ion:225	Resp:	233
Ion Ratio	Lower	Upper
225	100	
223	66.5	32.5 97.5
227	37.3	32.2 96.6





#96

1,2,3-Trichlorobenzene

Concen: 0.236 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046764.D

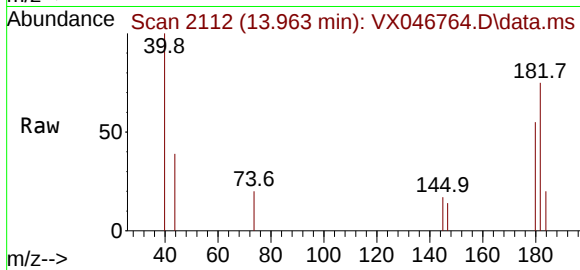
Acq: 19 Jun 2025 12:12

Instrument :

MSVOA_X

ClientSampleId :

TT205S1-20250617



Tgt Ion:180 Resp: 436

Ion Ratio Lower Upper

180 100

182 100.5 47.8 143.4

145 17.9 17.3 51.9

