

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046743.D
 Acq On : 18 Jun 2025 15:24
 Operator : JC/MD
 Sample : Q2345-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250617

Quant Time: Jun 19 01:25:36 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)

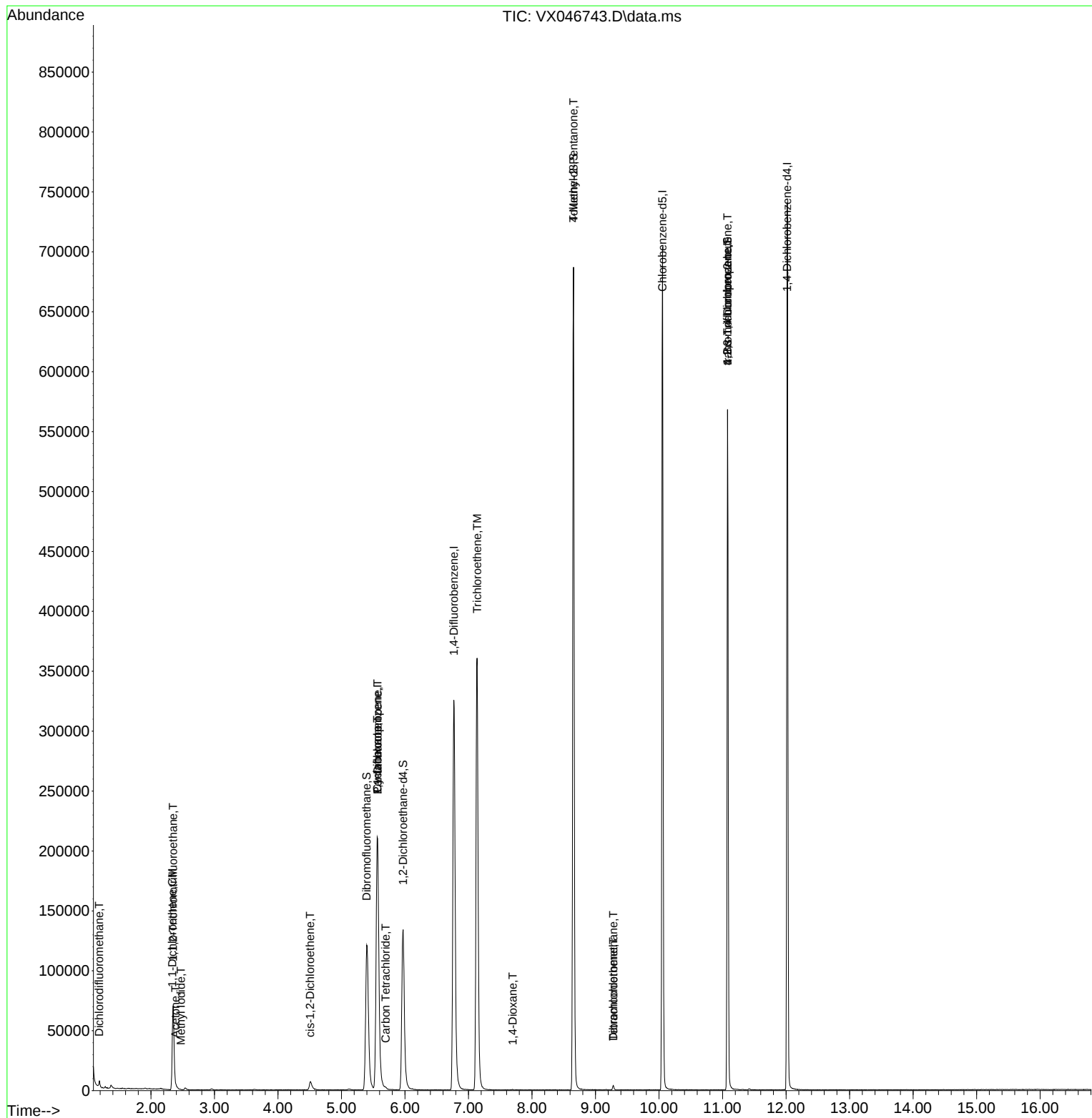
Internal Standards						
1) Pentafluorobenzene	5.568	168	217878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	358276	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	149381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	142368	47.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.480%
35) Dibromofluoromethane	5.397	113	116087	48.972	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.940%
50) Toluene-d8	8.653	98	415275	48.761	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.079	95	153648	48.398	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	968	0.416	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.349	101	30874	12.379	ug/l	99
10) Methyl Iodide	2.471	142	198	4.392	ug/l #	38
12) 1,1-Dichloroethene	2.337	96	1932	0.803	ug/l	96
16) Acetone	2.386	43	397	0.395	ug/l #	58
27) cis-1,2-Dichloroethene	4.507	96	5156	1.704	ug/l	91
31) Cyclohexane	5.562	56	4664	1.034	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	17686	5.169	ug/l #	51
38) Carbon Tetrachloride	5.696	117	1386	0.373	ug/l #	72
44) Trichloroethene	7.135	130	151205	58.588	ug/l	99
49) 1,4-Dioxane	7.696	88	286	35.903	ug/l #	50
51) 4-Methyl-2-Pentanone	8.653	43	1933	0.656	ug/l #	1
60) Dibromochloromethane	9.281	129	784	0.284	ug/l #	11
64) Tetrachloroethene	9.281	164	724	0.335	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	78260	28.604	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	78260	80.853	ug/l #	7

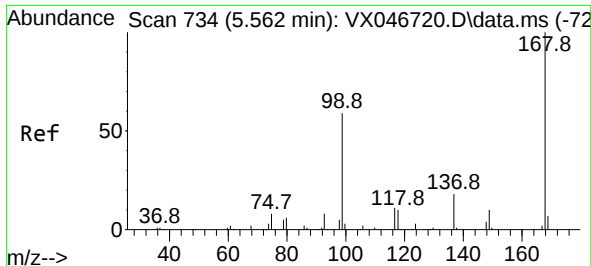
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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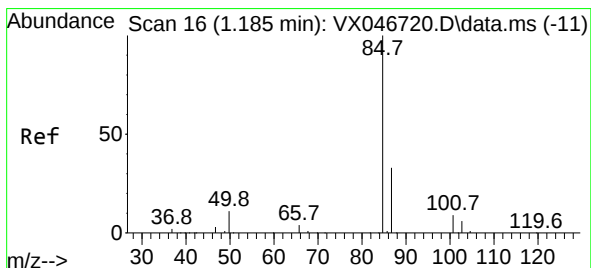
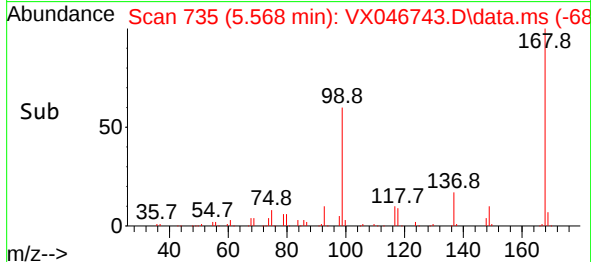
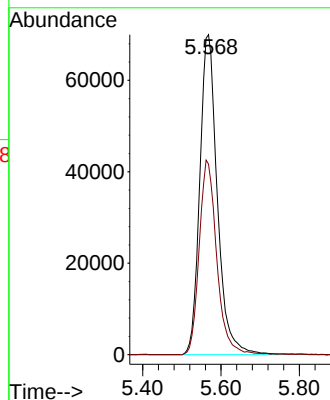
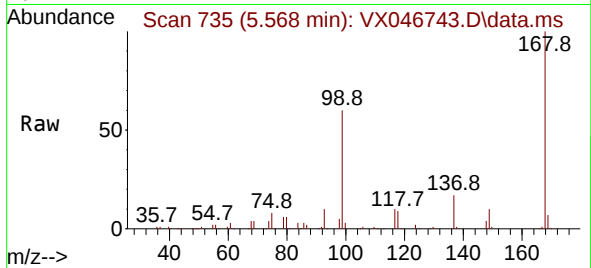




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

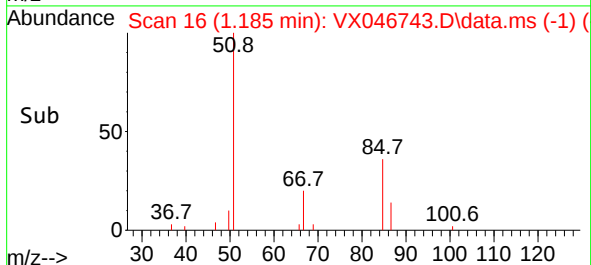
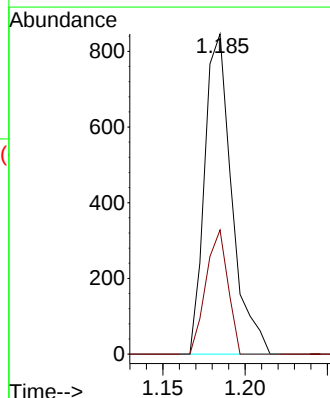
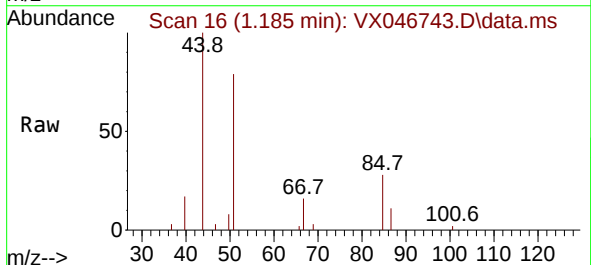
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

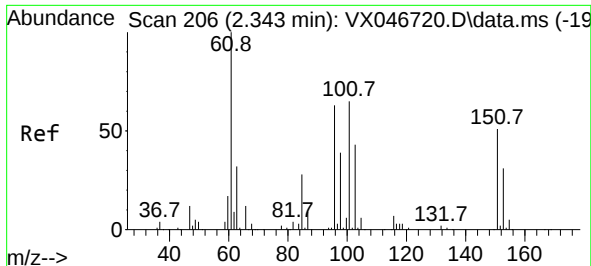
Tgt Ion:168 Resp: 217878
Ion Ratio Lower Upper
168 100
99 59.5 48.5 72.7



#2
Dichlorodifluoromethane
Concen: 0.416 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 85 Resp: 968
Ion Ratio Lower Upper
85 100
87 38.8 16.6 49.8

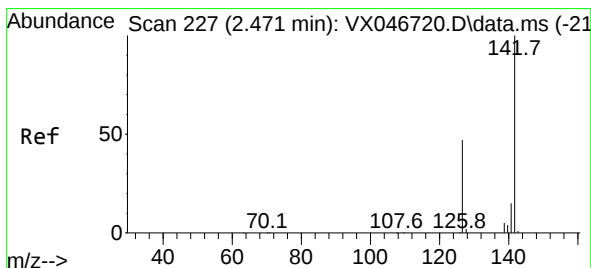
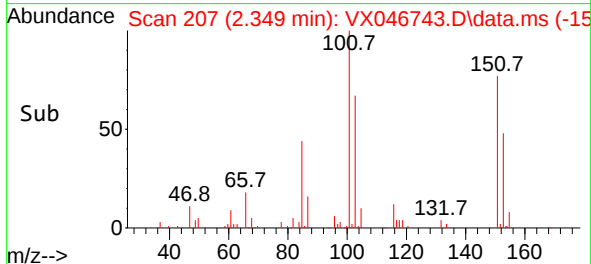
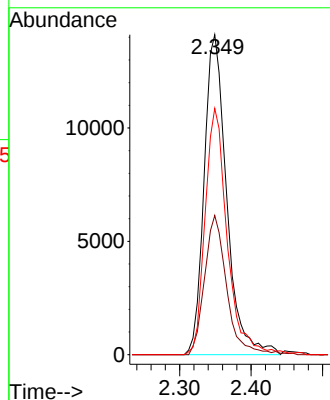
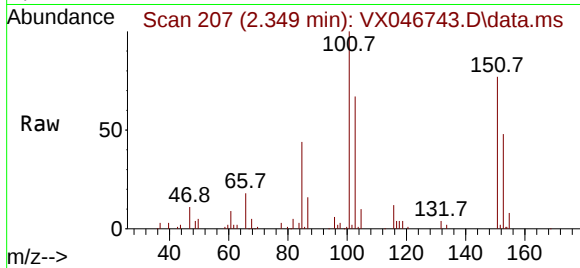




#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.379 ug/l
RT: 2.349 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

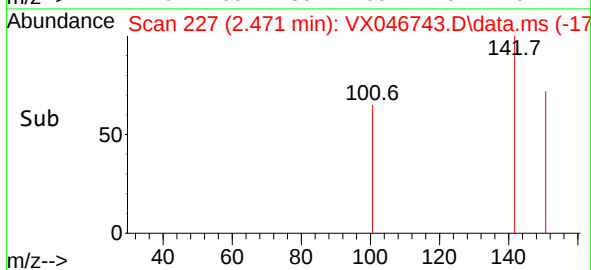
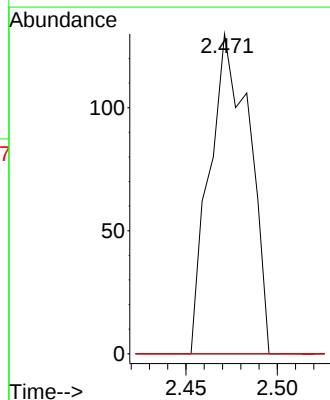
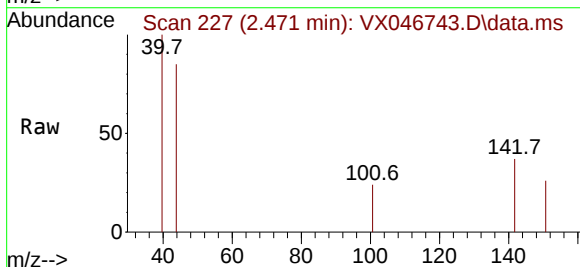
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

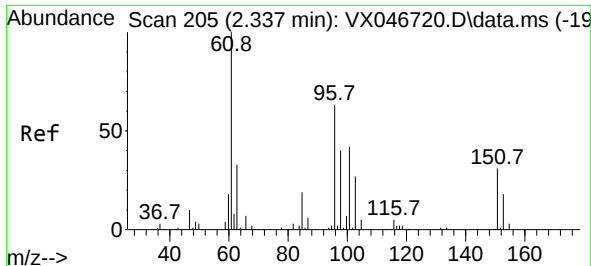
Tgt Ion:101 Resp: 30874
Ion Ratio Lower Upper
101 100
85 42.9 35.4 53.0
151 76.0 61.2 91.8



#10
Methyl Iodide
Concen: 4.392 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion:142 Resp: 198
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.6#
141 0.0 11.5 17.3#





#12

1,1-Dichloroethene

Concen: 0.803 ug/l

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX046743.D

Acq: 18 Jun 2025 15:24

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250617

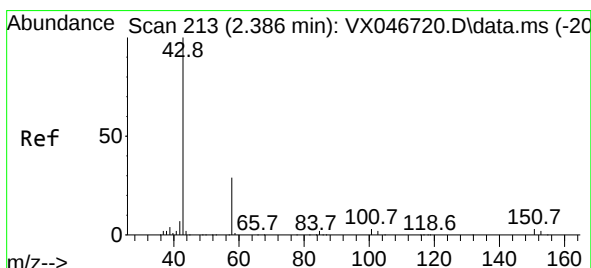
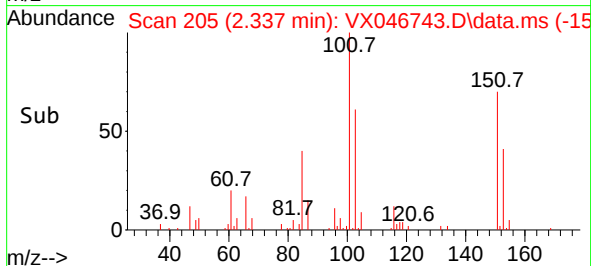
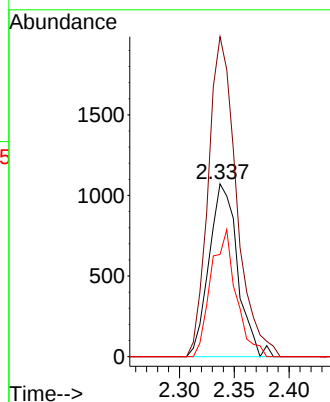
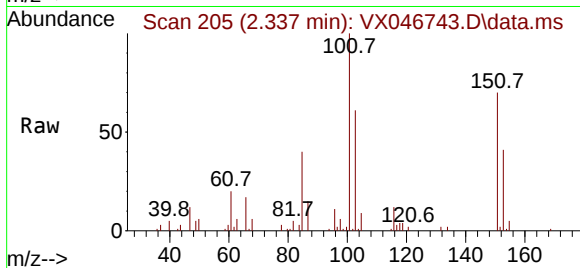
Tgt Ion: 96 Resp: 1932

Ion Ratio Lower Upper

96 100

61 159.7 126.6 189.8

98 55.3 50.7 76.1



#16

Acetone

Concen: 0.395 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046743.D

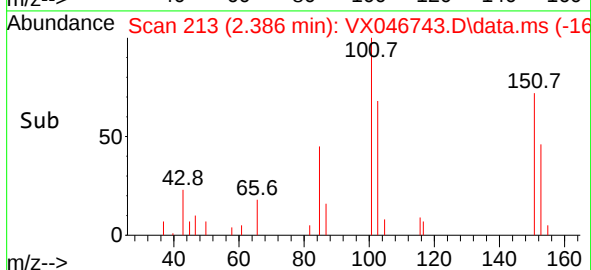
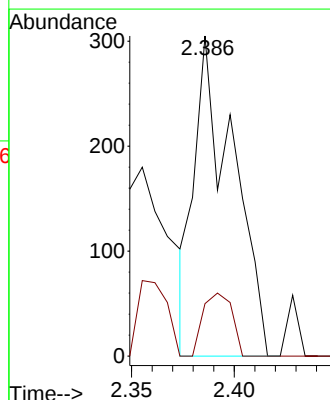
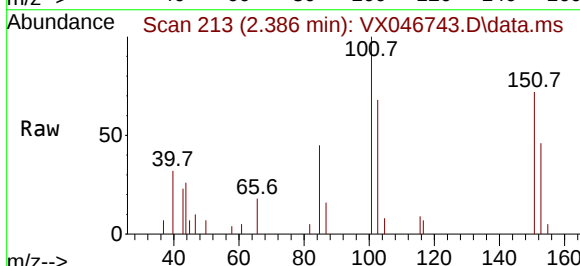
Acq: 18 Jun 2025 15:24

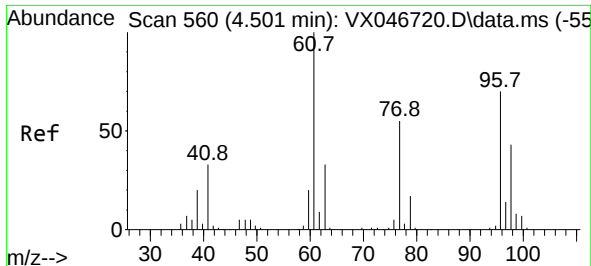
Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

58 7.6 24.5 36.7#





#27

cis-1,2-Dichloroethene

Concen: 1.704 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX046743.D

Acq: 18 Jun 2025 15:24

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250617

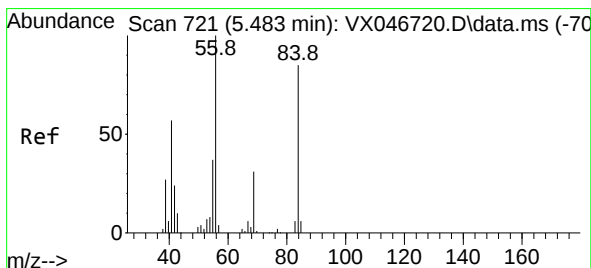
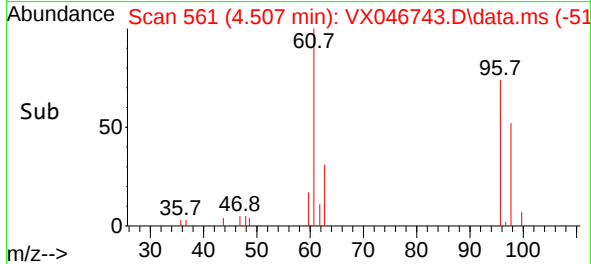
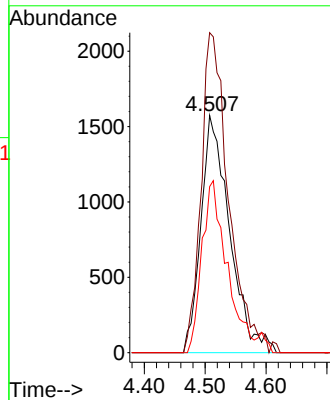
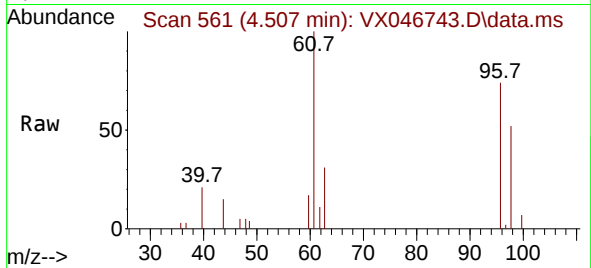
Tgt Ion: 96 Resp: 5156

Ion Ratio Lower Upper

96 100

61 130.0 0.0 291.0

98 63.2 0.0 126.8



#31

Cyclohexane

Concen: 1.034 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX046743.D

Acq: 18 Jun 2025 15:24

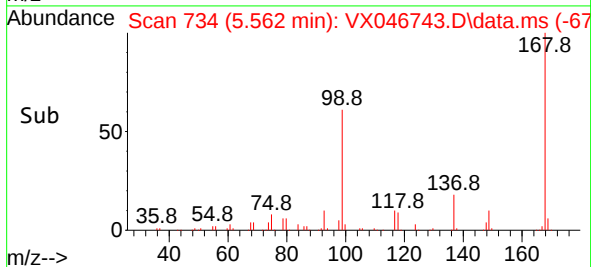
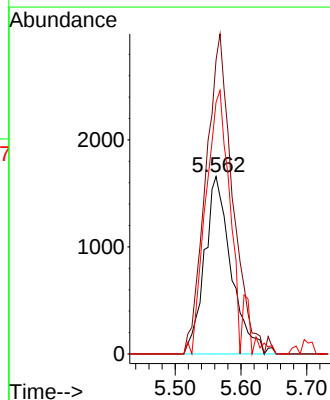
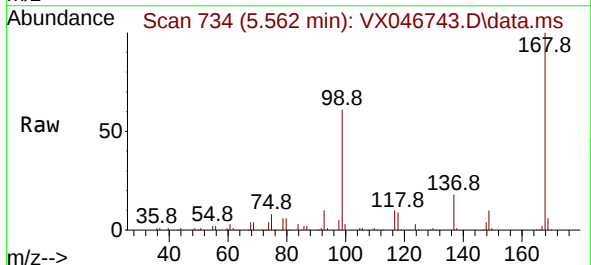
Tgt Ion: 56 Resp: 4664

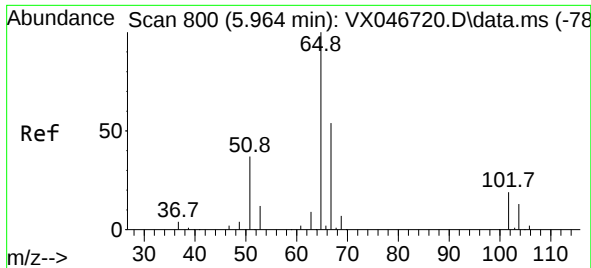
Ion Ratio Lower Upper

56 100

69 165.6 24.8 37.2#

84 141.9 68.2 102.2#

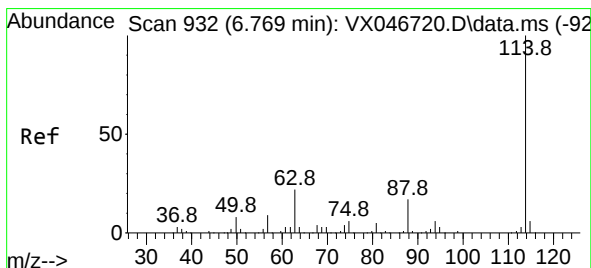
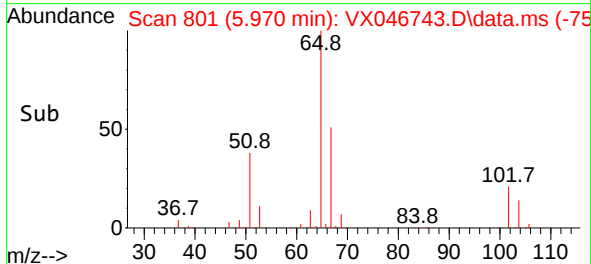
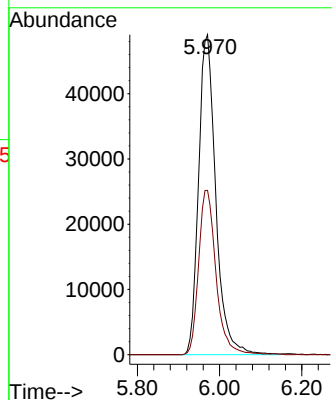
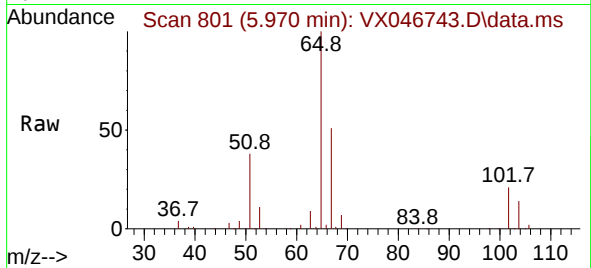




#33
1,2-Dichloroethane-d4
Concen: 47.241 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

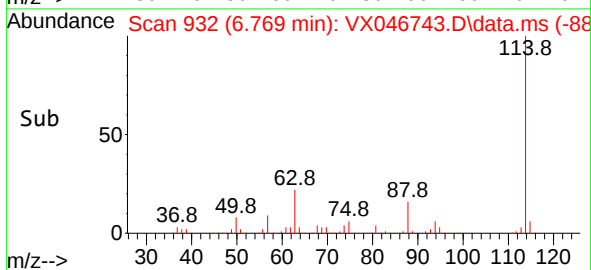
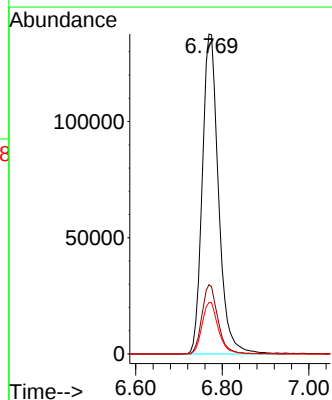
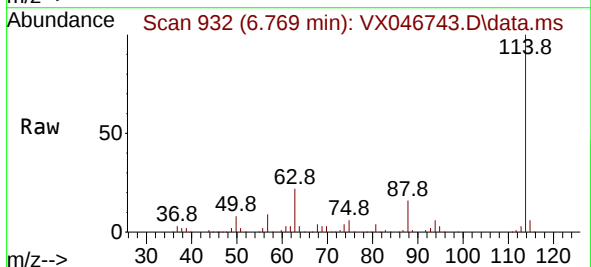
Instrument :
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ClientSampleId :
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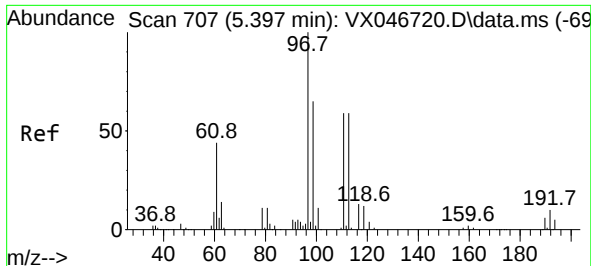
Tgt Ion: 65 Resp: 142368
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 114 Resp: 358276
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.2
88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.972 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046743.D

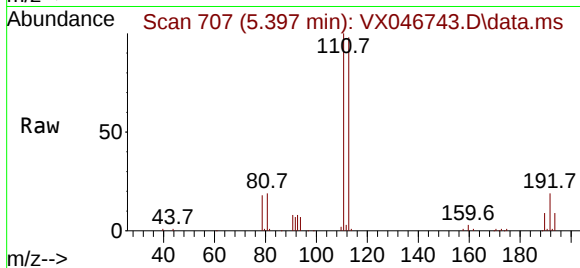
Acq: 18 Jun 2025 15:24

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250617



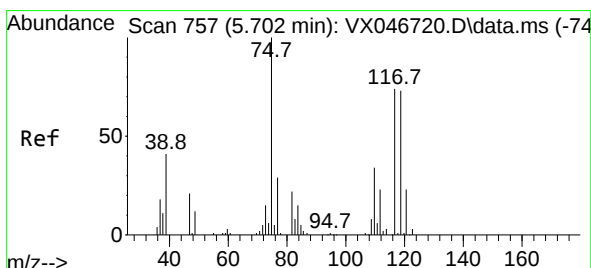
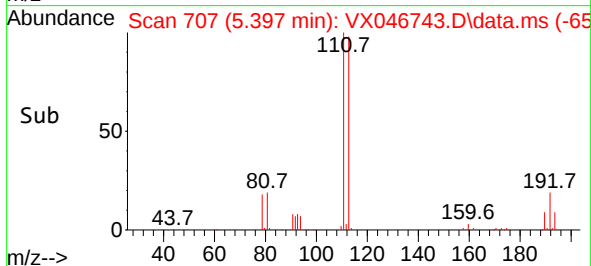
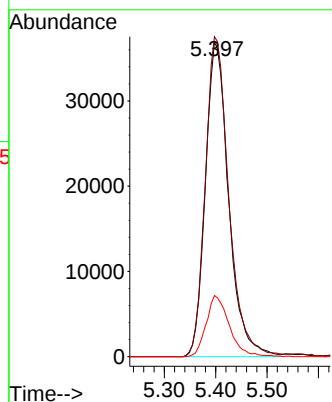
Tgt Ion:113 Resp: 116087

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 19.3 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.169 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX046743.D

Acq: 18 Jun 2025 15:24

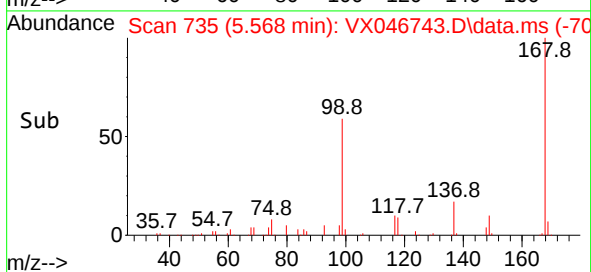
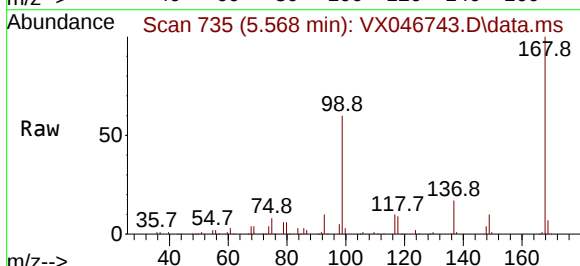
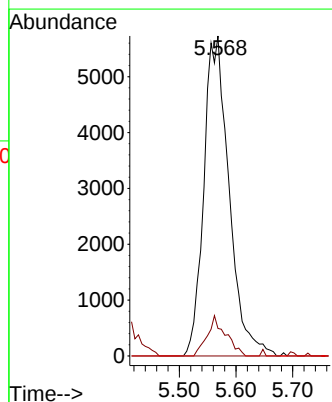
Tgt Ion: 75 Resp: 17686

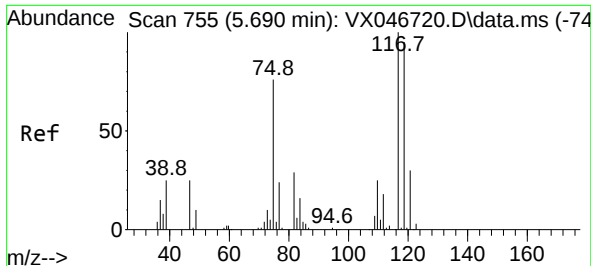
Ion Ratio Lower Upper

75 100

110 9.2 17.2 51.5#

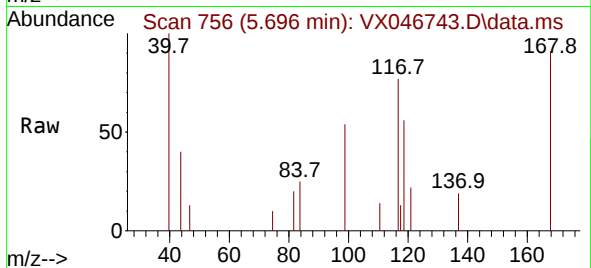
77 0.0 24.2 36.4#



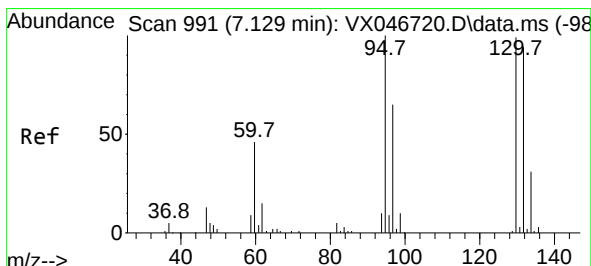
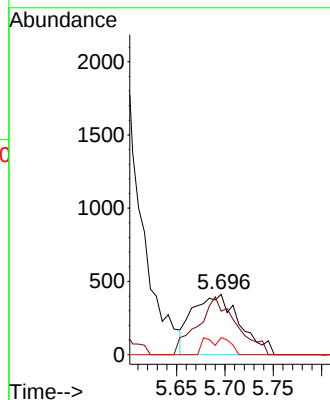
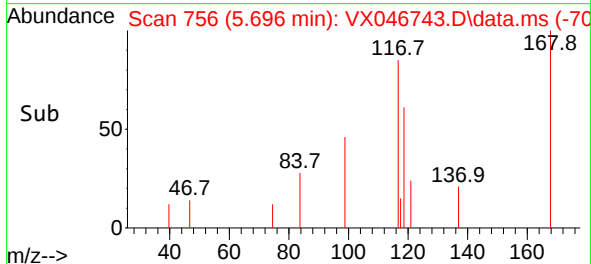


#38
Carbon Tetrachloride
Concen: 0.373 ug/l
RT: 5.696 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

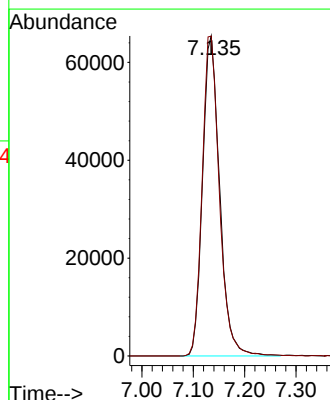
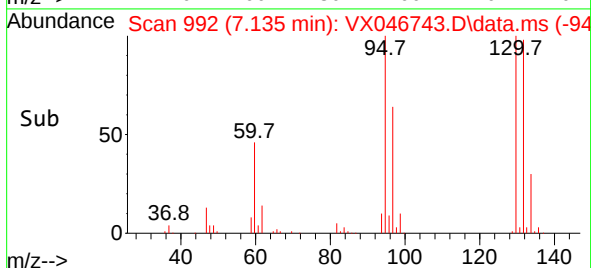
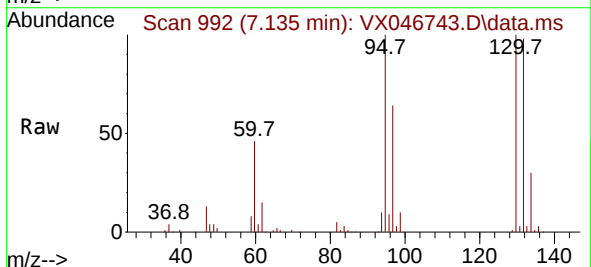


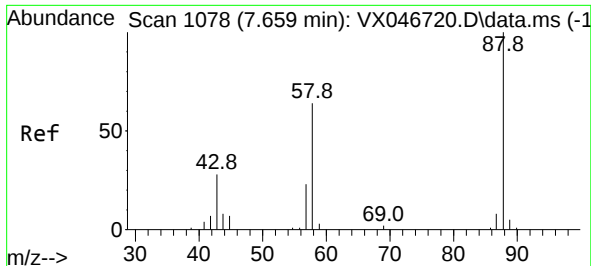
Tgt Ion:117 Resp: 1386
Ion Ratio Lower Upper
117 100
119 61.5 75.2 112.8#
121 24.2 24.1 36.1



#44
Trichloroethene
Concen: 58.588 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion:130 Resp: 151205
Ion Ratio Lower Upper
130 100
95 99.9 0.0 202.6

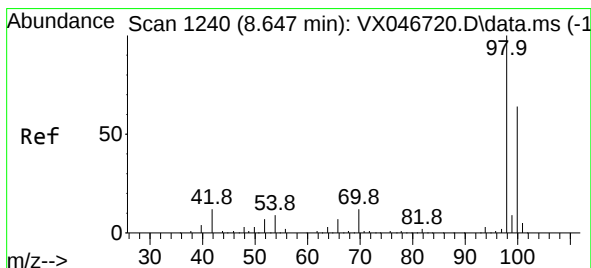
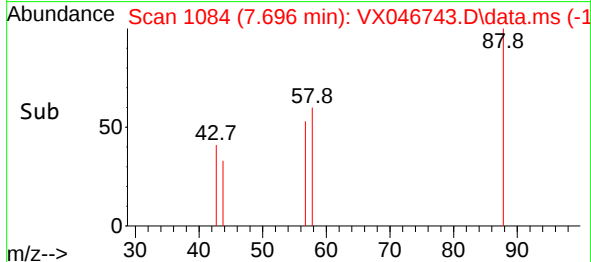
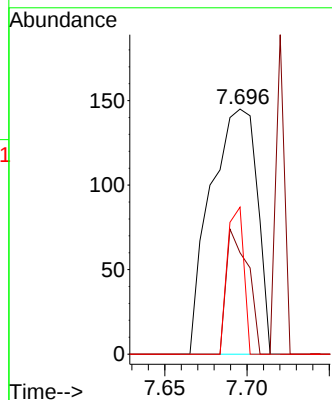
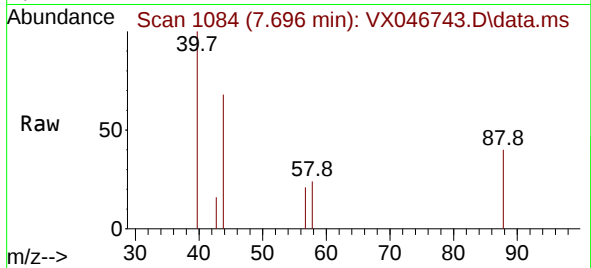




#49
1,4-Dioxane
Concen: 35.903 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

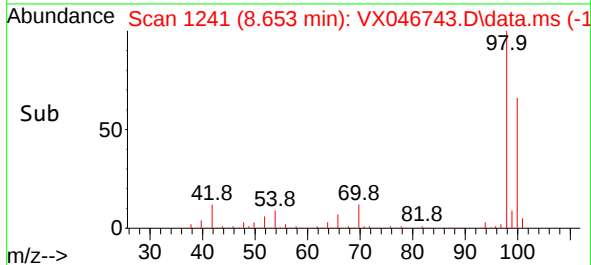
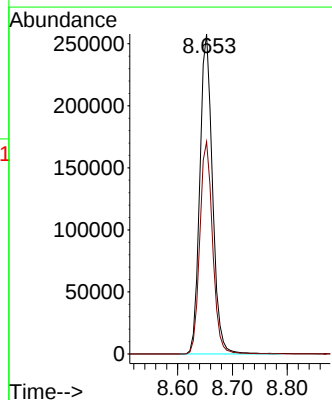
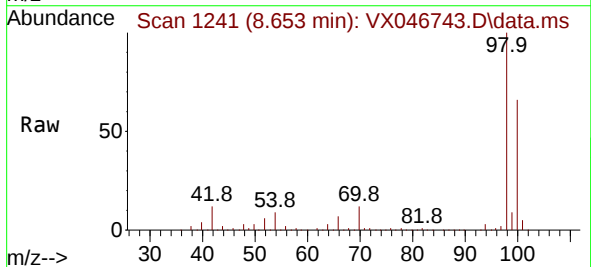
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

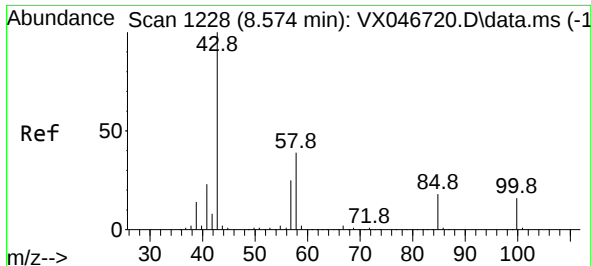
Tgt Ion: 88 Resp: 286
Ion Ratio Lower Upper
88 100
43 17.1 31.2 46.8#
58 21.0 54.7 82.1#



#50
Toluene-d8
Concen: 48.761 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 98 Resp: 415275
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4

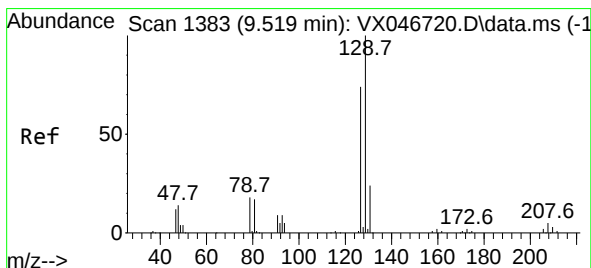
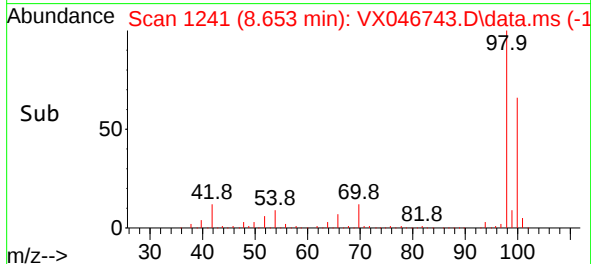
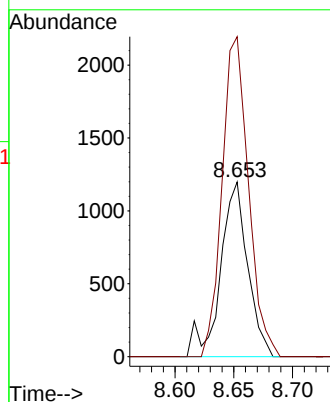
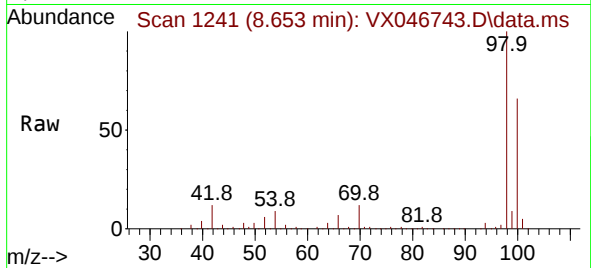




#51
4-Methyl-2-Pentanone
Concen: 0.656 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

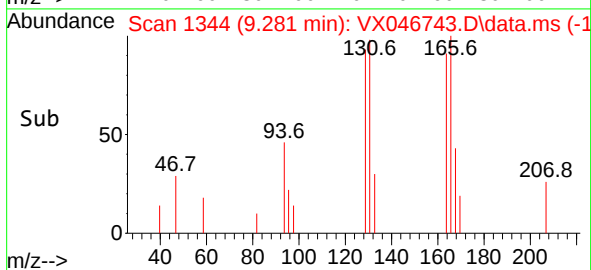
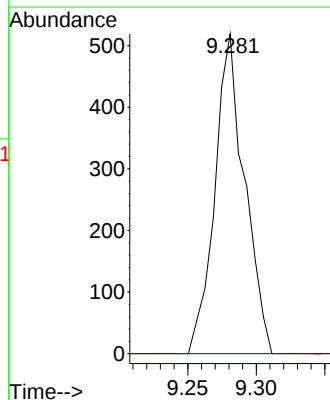
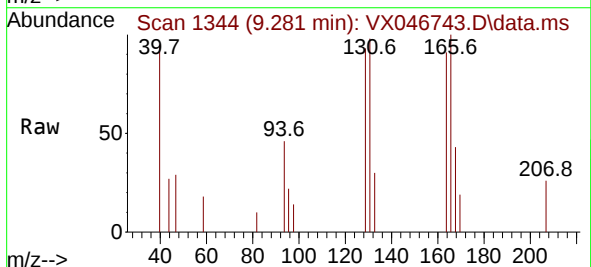
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

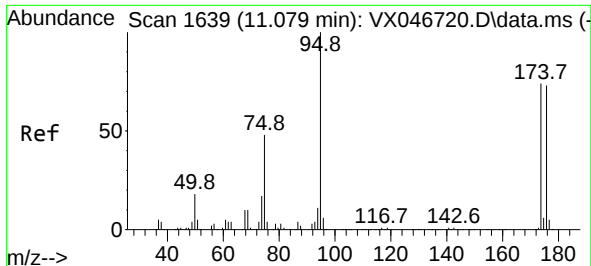
Tgt Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
58 177.3 30.8 46.2#



#60
Dibromochloromethane
Concen: 0.284 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 129 Resp: 784
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

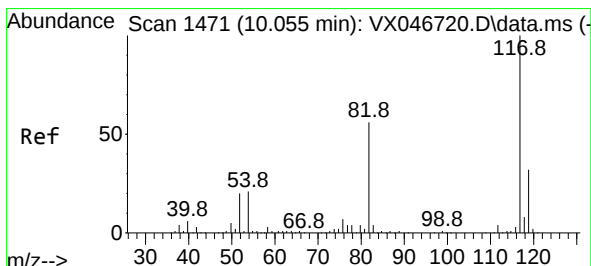
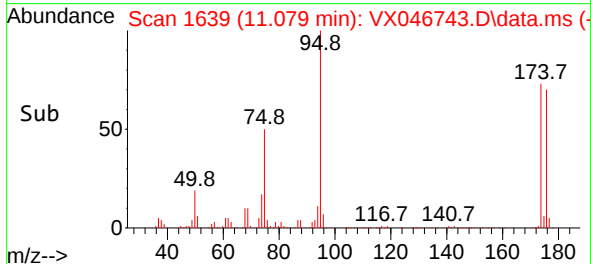
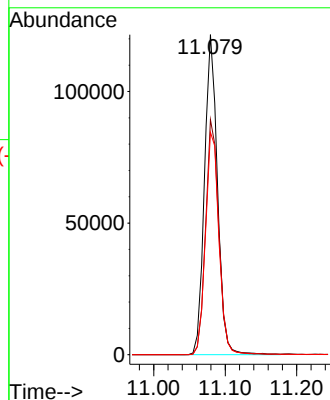
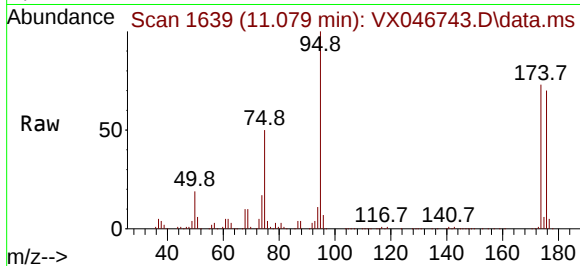




#62
4-Bromofluorobenzene
Concen: 48.398 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

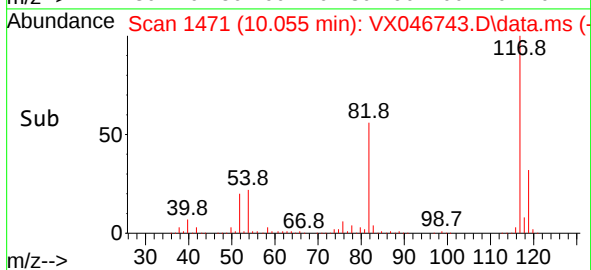
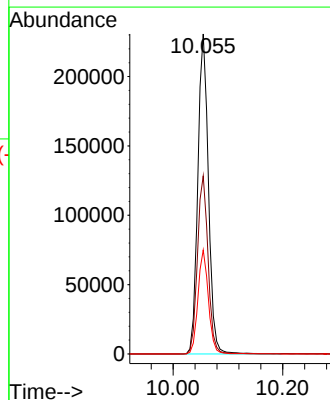
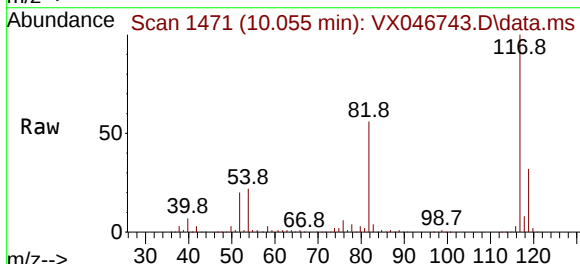
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

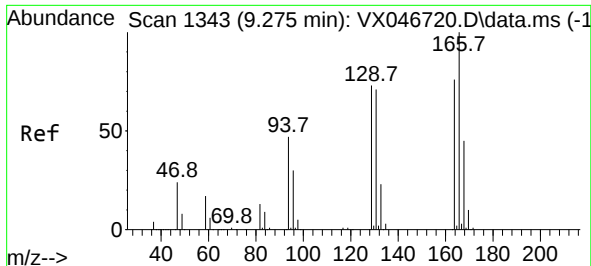
Tgt Ion: 95 Resp: 153648
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.4
176 72.1 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 117 Resp: 311829
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 32.5 25.8 38.8

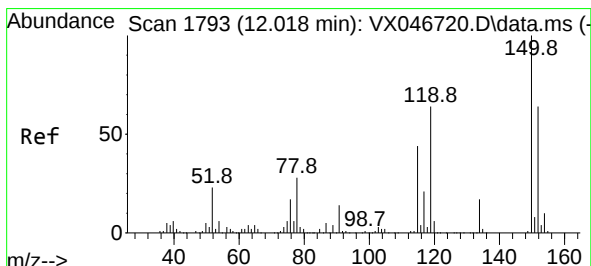
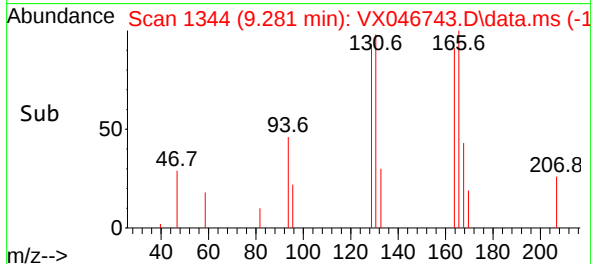
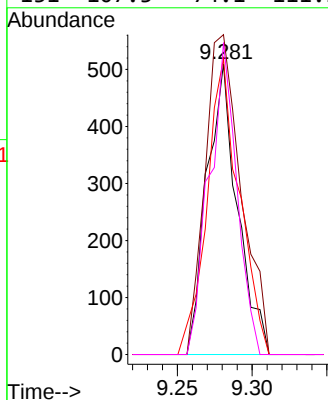
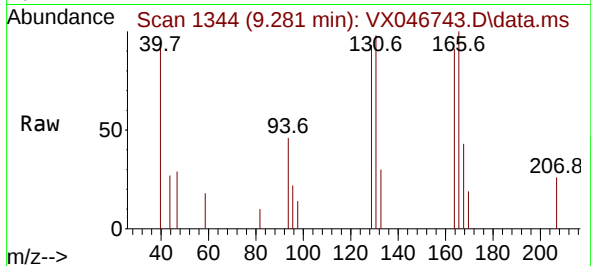




#64
Tetrachloroethene
Concen: 0.335 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

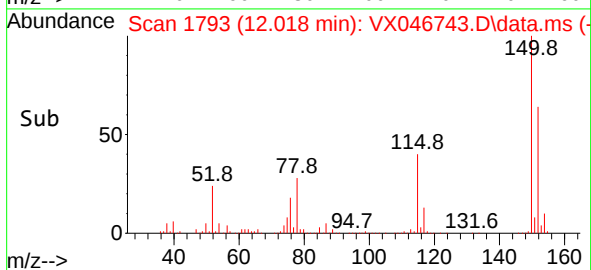
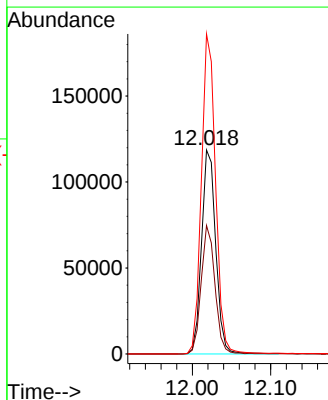
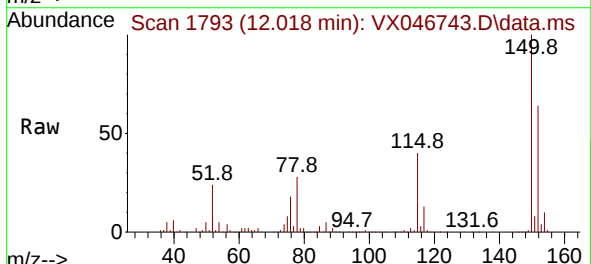
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

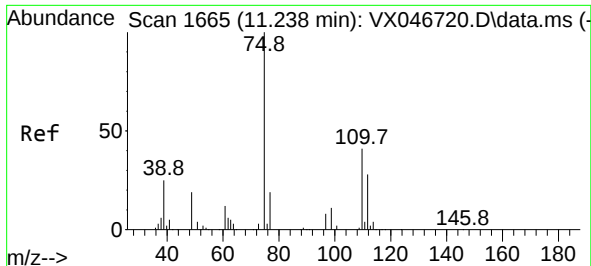
Tgt Ion:164	Resp:	724	
Ion	Ratio	Lower	Upper
164	100		
166	110.0	104.6	157.0
129	101.8	76.3	114.5
131	107.3	74.1	111.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion:152	Resp:	149381	
Ion	Ratio	Lower	Upper
152	100		
115	61.5	43.2	129.6
150	156.2	0.0	346.8

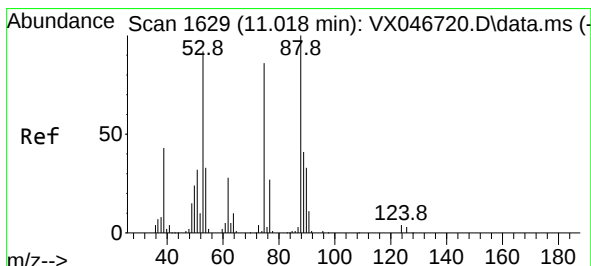
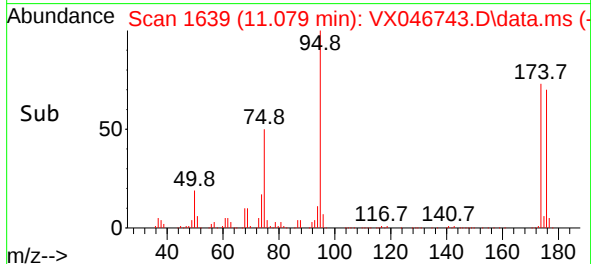
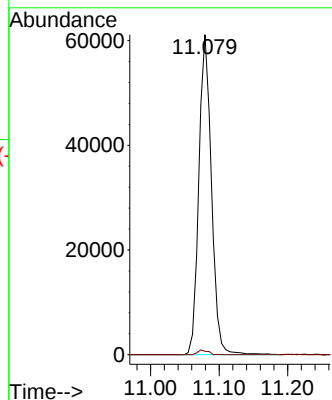
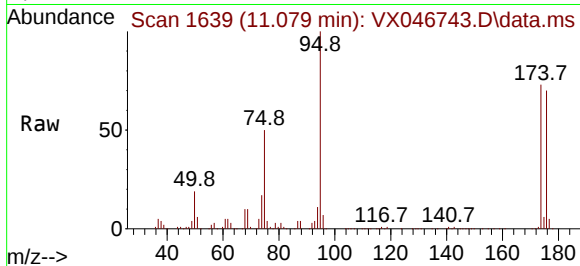




#76
1,2,3-Trichloropropane
Concen: 28.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250617

Tgt Ion: 75 Resp: 78260
Ion Ratio Lower Upper
75 100
77 1.2 18.5 55.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 75 Resp: 78260
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

