

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047736.D
 Acq On : 23 Sep 2025 16:13
 Operator : JC/MD
 Sample : Q3097-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB04-20250911

Quant Time: Sep 24 01:35:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

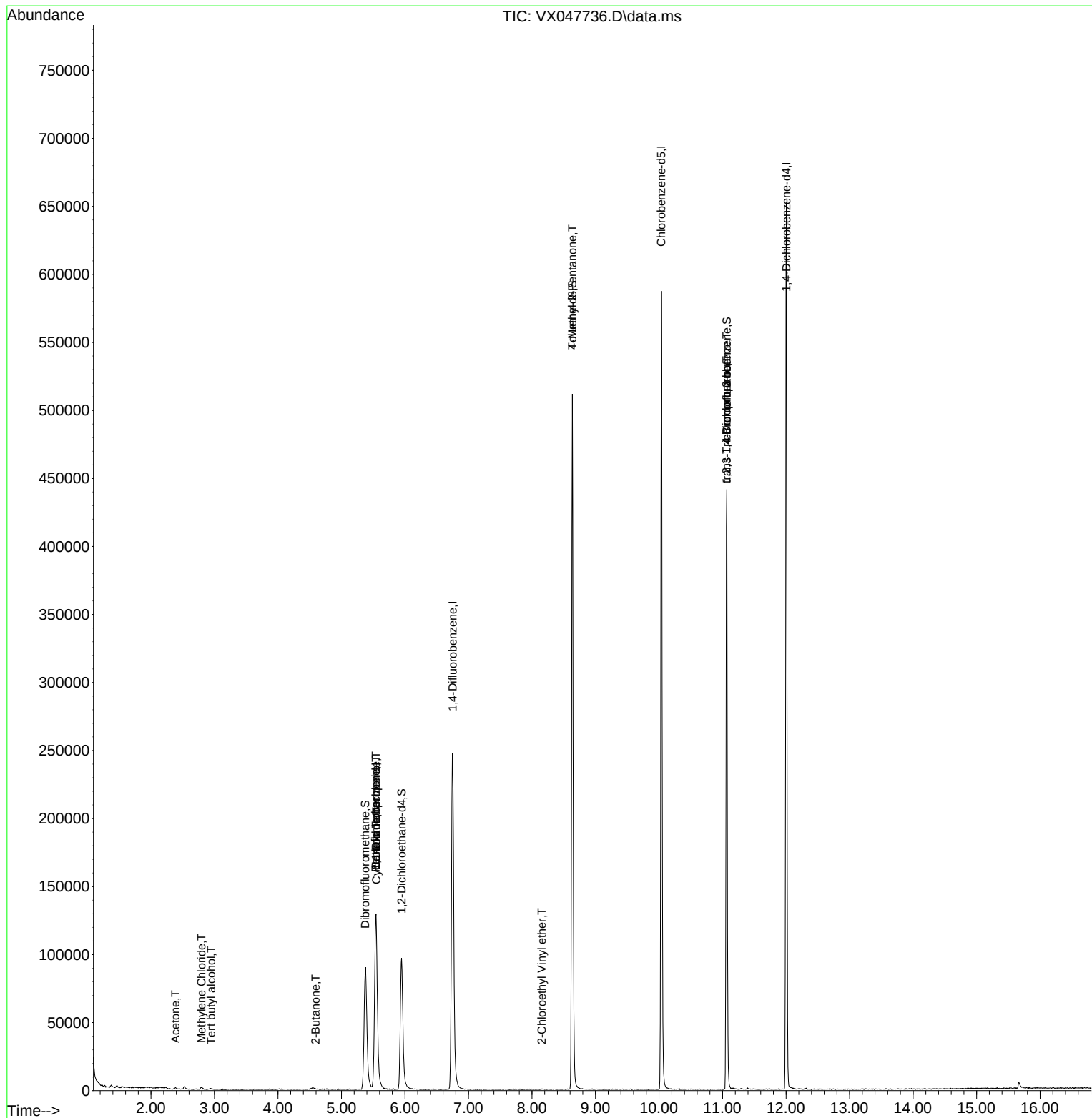
Internal Standards						
1) Pentafluorobenzene	5.538	168	129298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	272633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	271011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	135735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104965	51.001	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.000%			
35) Dibromofluoromethane	5.373	113	87103	47.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.280%			
50) Toluene-d8	8.635	98	304833	48.182	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.360%			
62) 4-Bromofluorobenzene	11.067	95	127320	53.026	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.060%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	74	0.323	ug/l #	72
16) Acetone	2.386	43	1422	1.589	ug/l #	84
20) Methylene Chloride	2.794	84	786	0.415	ug/l #	67
25) 2-Butanone	4.593	43	233	0.209	ug/l #	50
31) Cyclohexane	5.550	56	2854	1.049	ug/l #	17
36) 1,1-Dichloropropene	5.544	75	10949	4.098	ug/l #	43
38) Carbon Tetrachloride	5.544	117	13439	4.629	ug/l #	16
51) 4-Methyl-2-Pentanone	8.635	43	1457	0.560	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.153	63	136	7.987	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	66883	24.337	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	66883	62.063	ug/l #	8

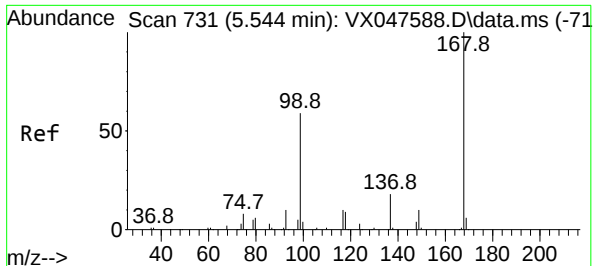
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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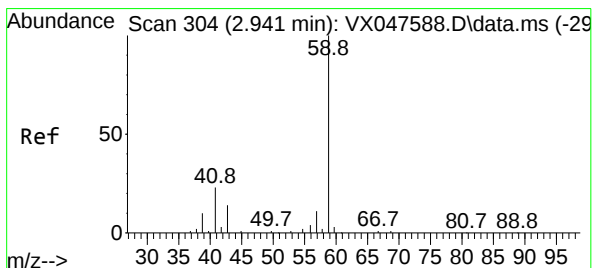
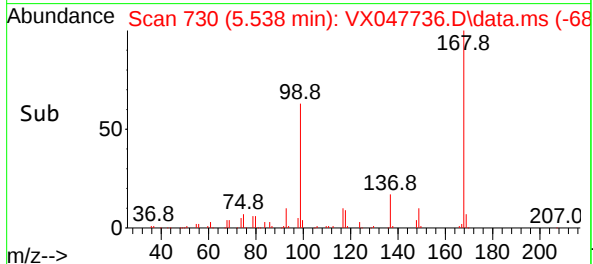
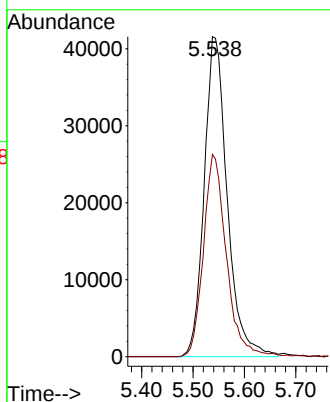
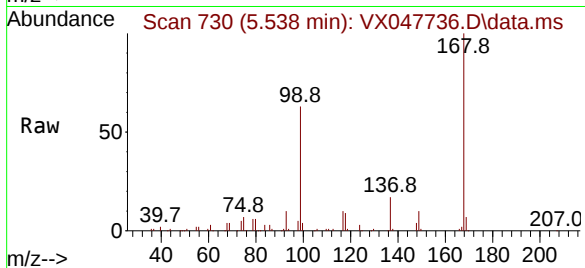




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

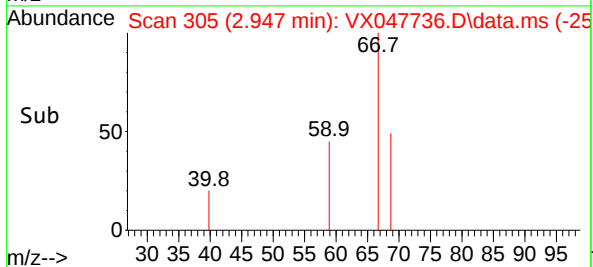
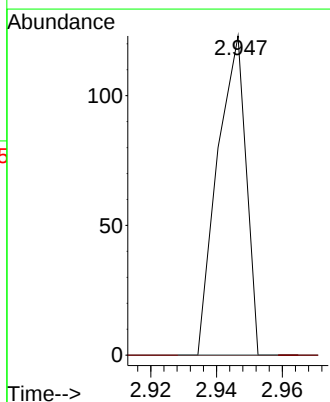
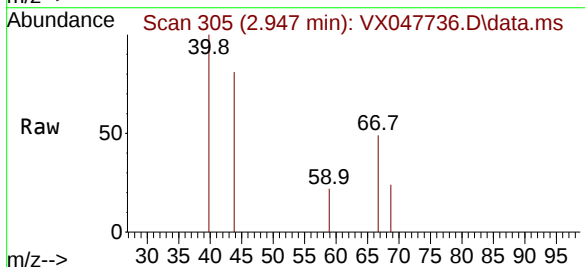
Instrument :
MSVOA_X
ClientSampleId :
TB04-20250911

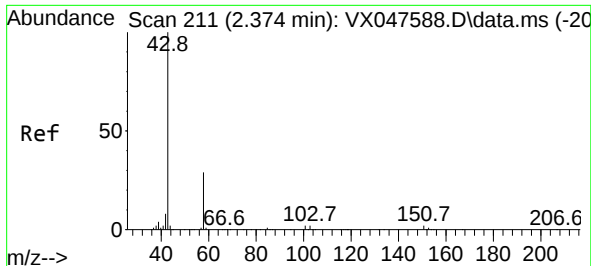
Tgt Ion:168 Resp: 129298
Ion Ratio Lower Upper
168 100
99 63.2 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.323 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

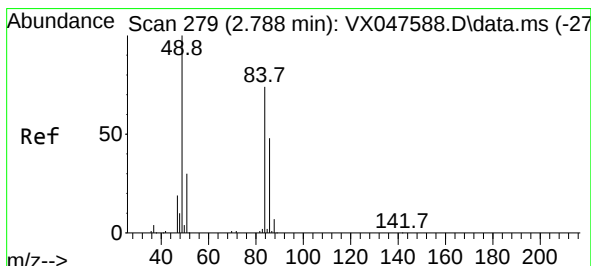
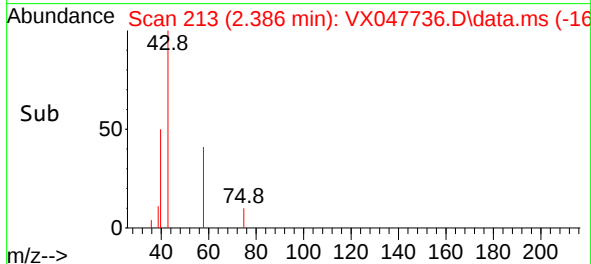
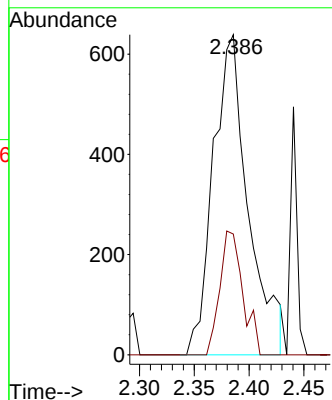
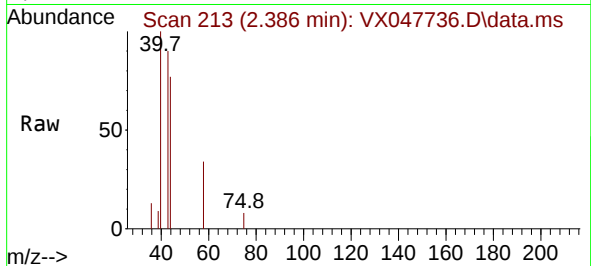




#16
Acetone
Concen: 1.589 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

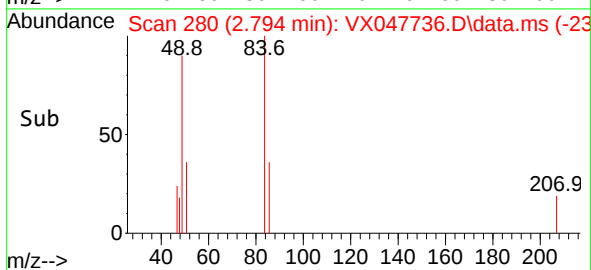
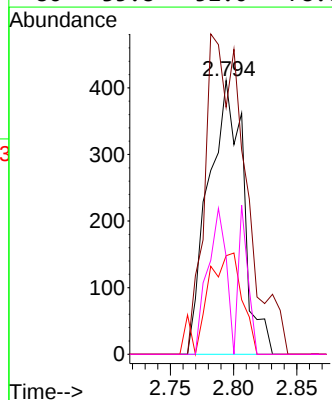
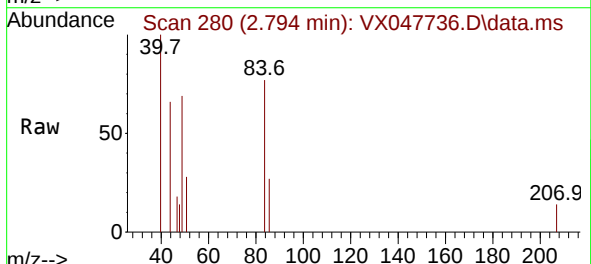
Instrument :
MSVOA_X
ClientSampleId :
TB04-20250911

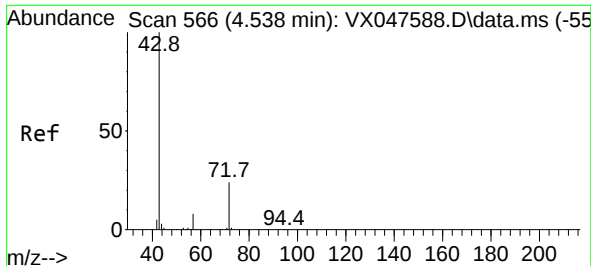
Tgt Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
58 37.7 23.4 35.0#



#20
Methylene Chloride
Concen: 0.415 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

Tgt Ion: 84 Resp: 786
Ion Ratio Lower Upper
84 100
49 90.3 108.6 162.8#
51 36.0 32.6 48.8
86 35.8 52.0 78.0#





#25

2-Butanone

Concen: 0.209 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.055 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

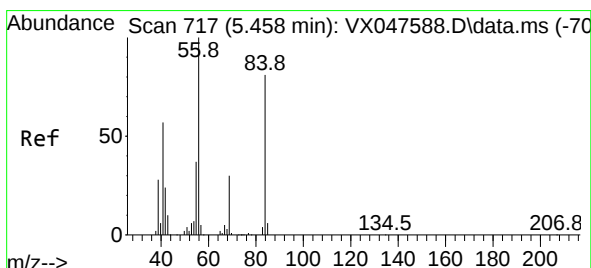
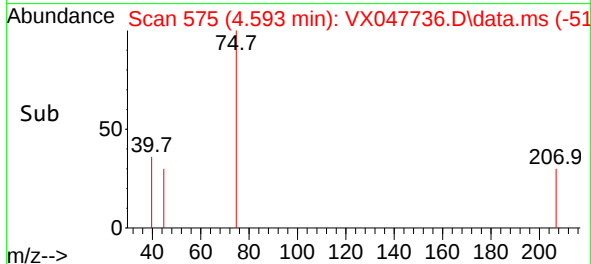
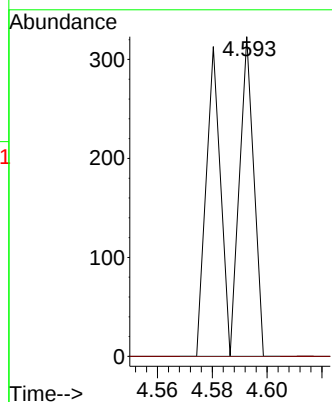
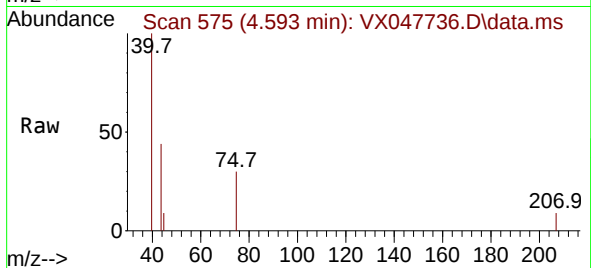
TB04-20250911

Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#31

Cyclohexane

Concen: 1.049 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.091 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

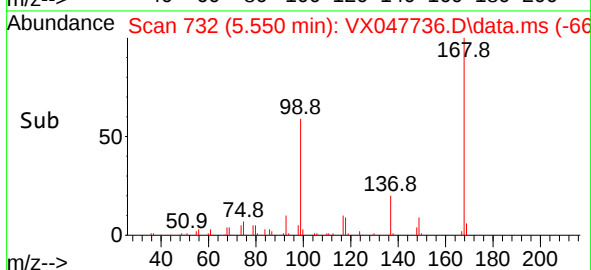
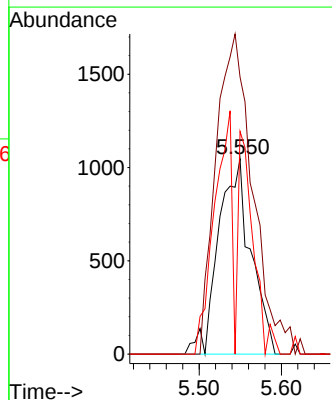
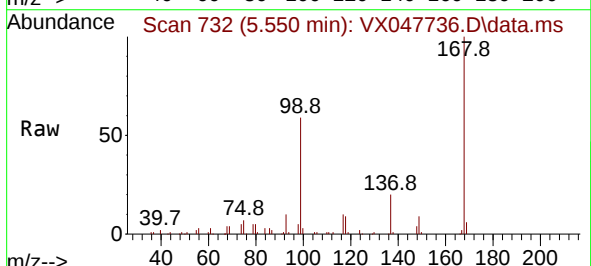
Tgt Ion: 56 Resp: 2854

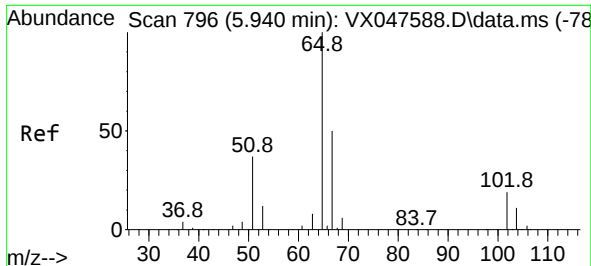
Ion Ratio Lower Upper

56 100

69 141.7 23.8 35.8#

84 113.9 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 51.001 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

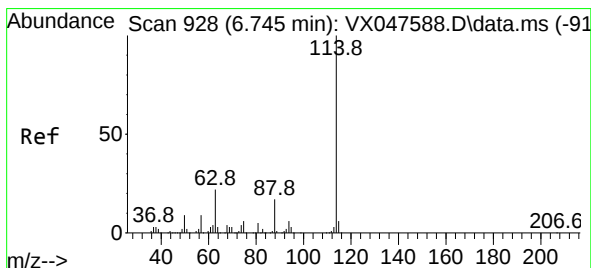
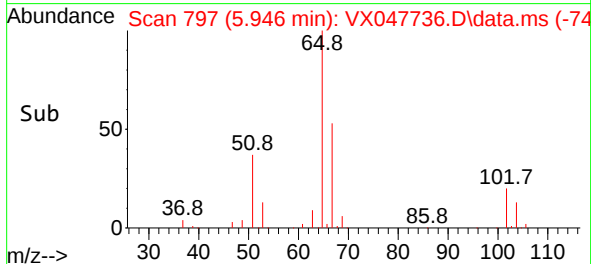
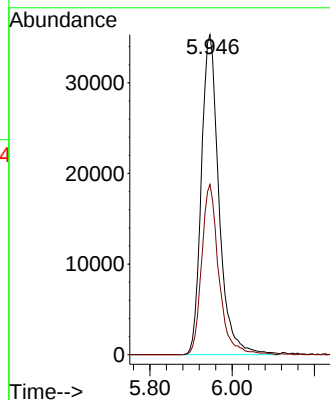
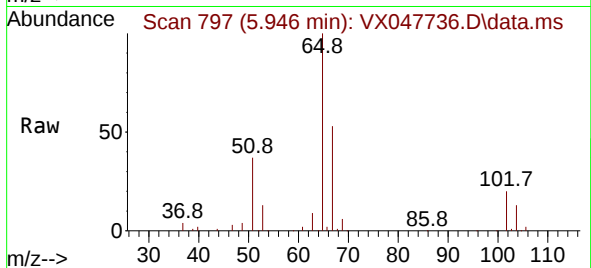
TB04-20250911

Tgt Ion: 65 Resp: 104965

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

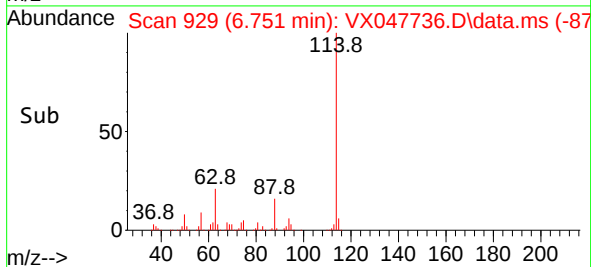
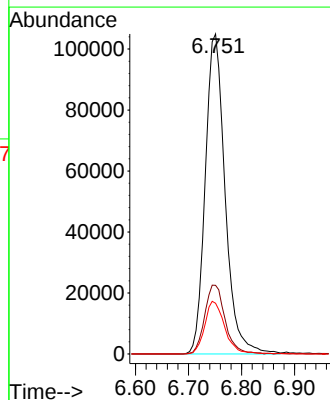
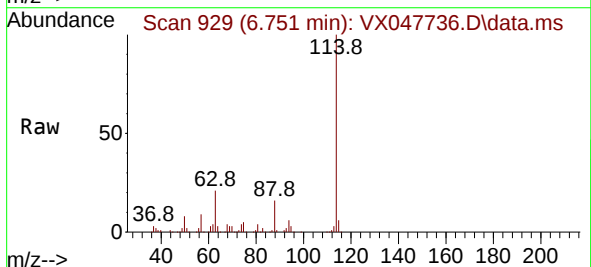
Tgt Ion: 114 Resp: 272633

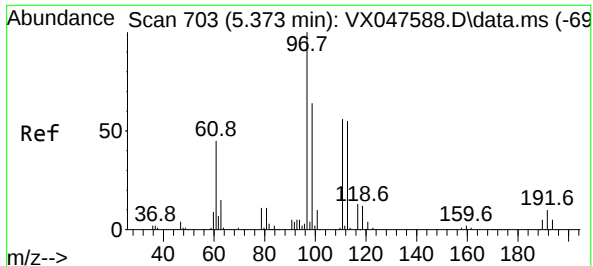
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 15.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.638 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

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MSVOA_X

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TB04-20250911

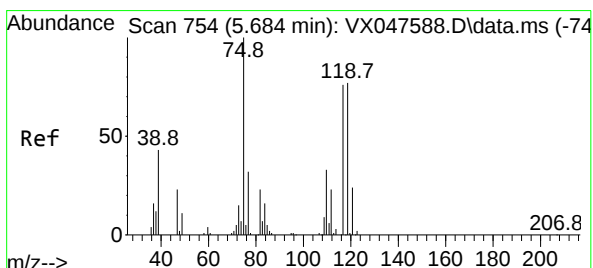
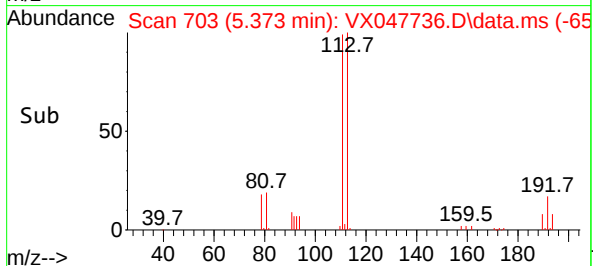
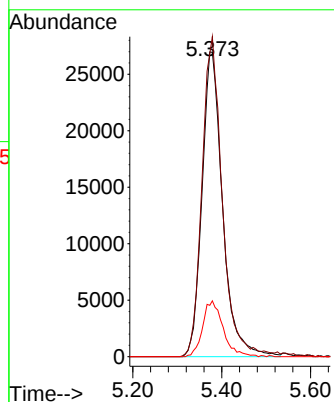
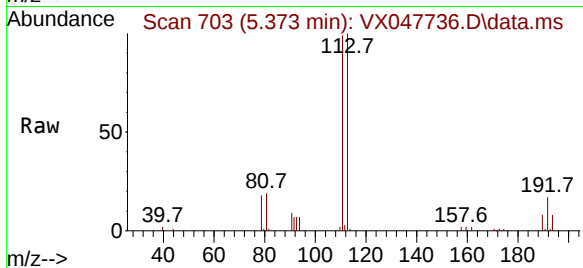
Tgt Ion:113 Resp: 87103

Ion Ratio Lower Upper

113 100

111 103.4 80.9 121.3

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.098 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

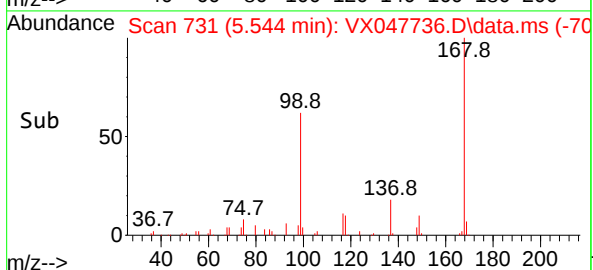
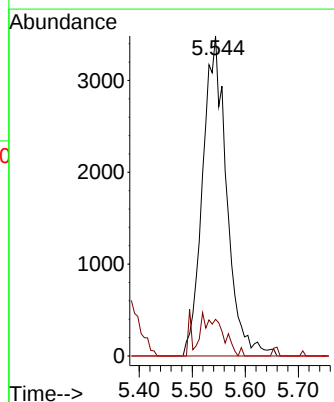
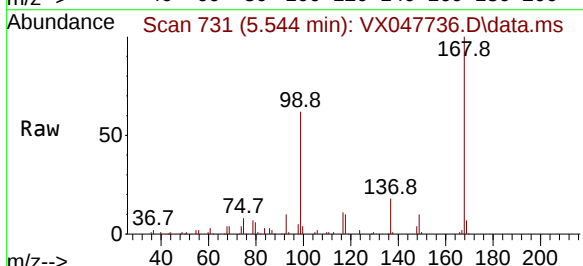
Tgt Ion: 75 Resp: 10949

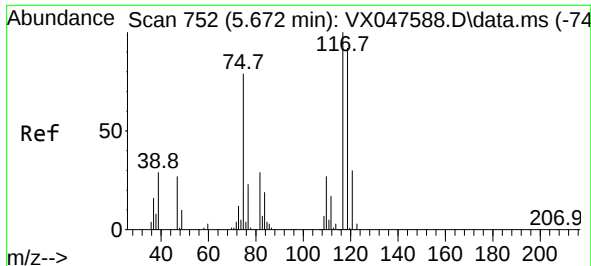
Ion Ratio Lower Upper

75 100

110 0.0 16.7 50.1#

77 0.0 24.3 36.5#

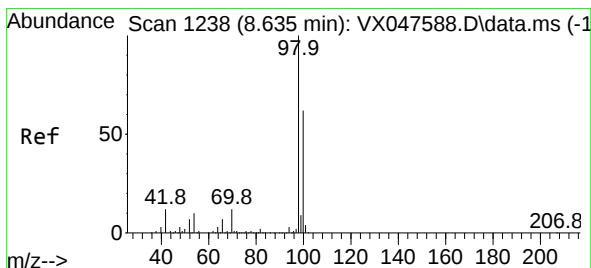
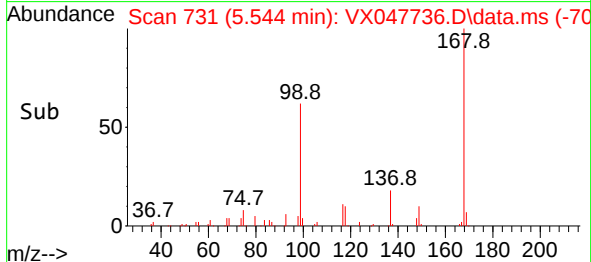
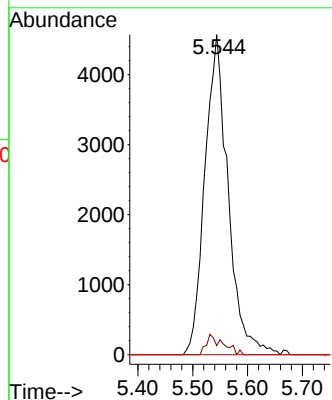
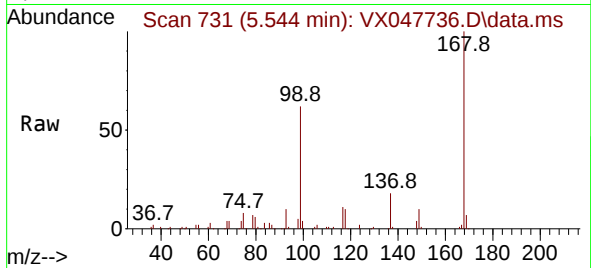




#38
Carbon Tetrachloride
Concen: 4.629 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

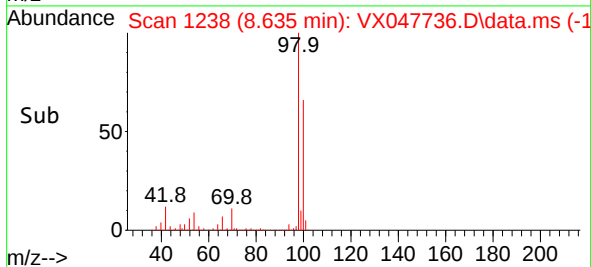
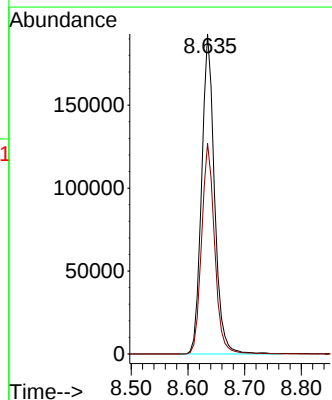
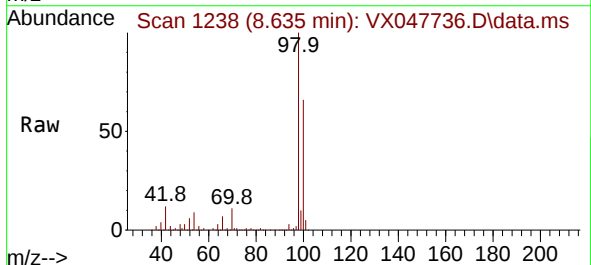
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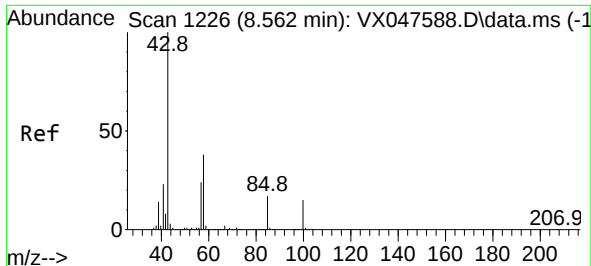
Tgt Ion:117 Resp: 13439
Ion Ratio Lower Upper
117 100
119 2.8 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.182 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

Tgt Ion: 98 Resp: 304833
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 0.560 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

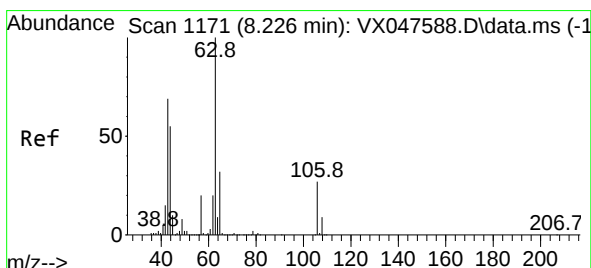
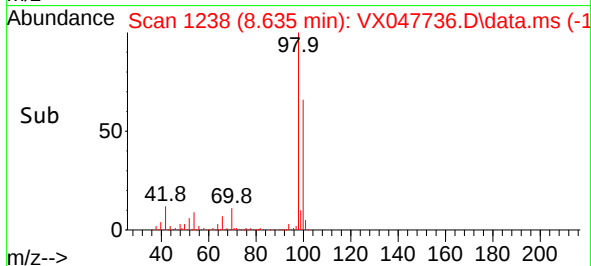
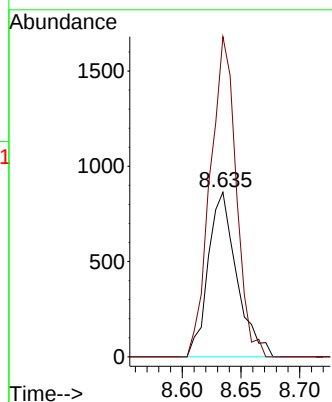
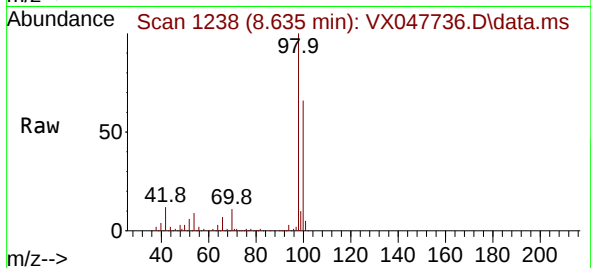
TB04-20250911

Tgt Ion: 43 Resp: 1457

Ion Ratio Lower Upper

43 100

58 177.4 30.3 45.5#



#58

2-Chloroethyl Vinyl ether

Concen: 7.987 ug/l

RT: 8.153 min Scan# 1159

Delta R.T. -0.073 min

Lab File: VX047736.D

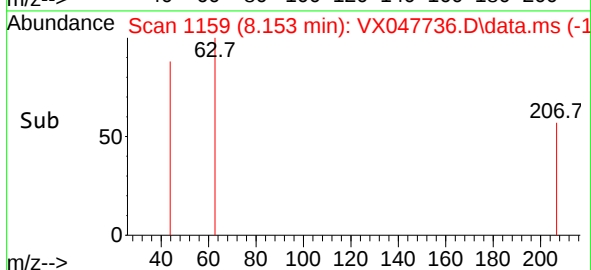
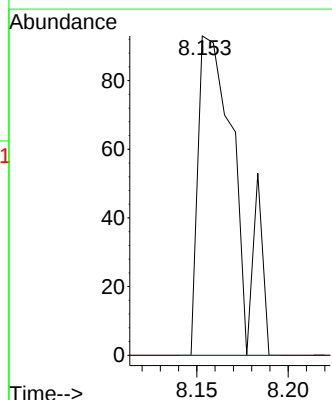
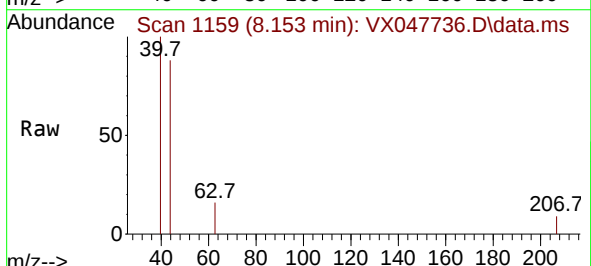
Acq: 23 Sep 2025 16:13

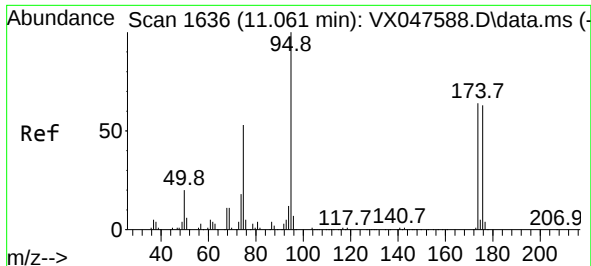
Tgt Ion: 63 Resp: 136

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#

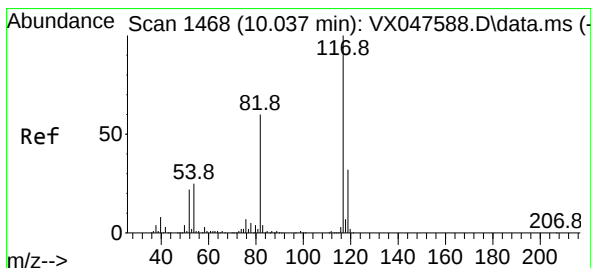
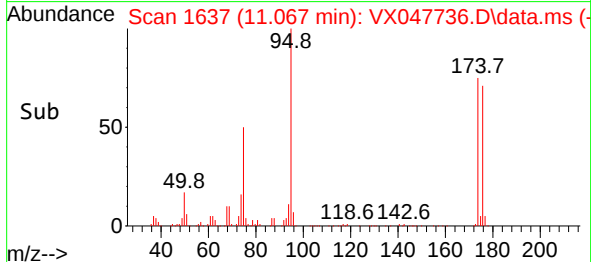
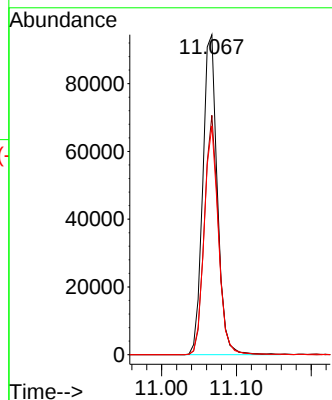
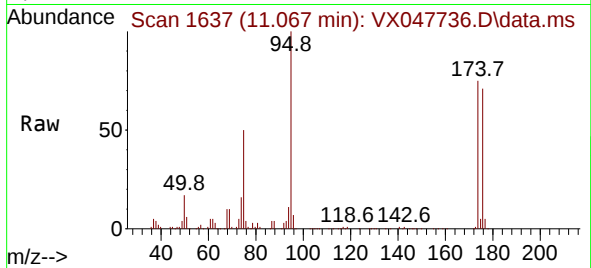




#62
4-Bromofluorobenzene
Concen: 53.026 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

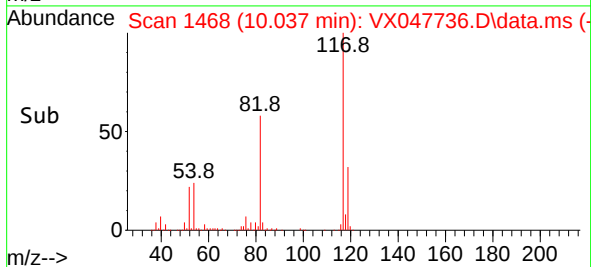
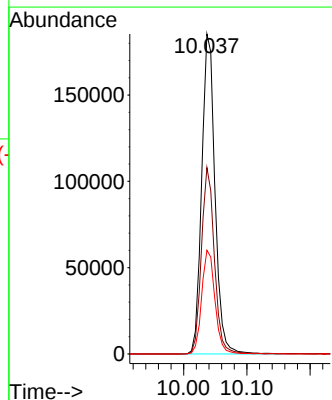
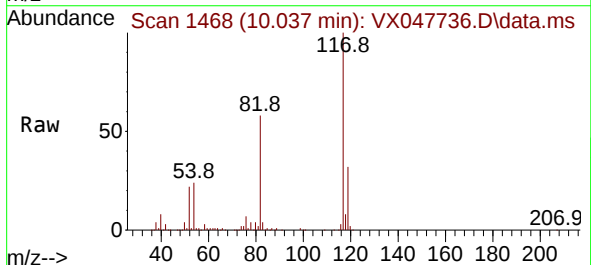
Instrument :
MSVOA_X
ClientSampleId :
TB04-20250911

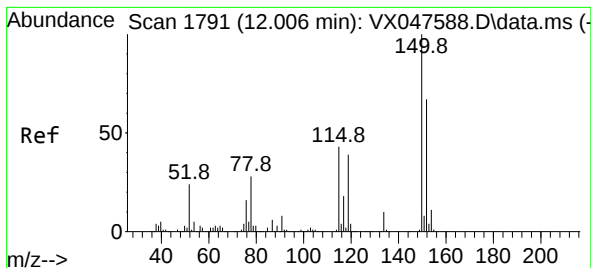
Tgt Ion: 95 Resp: 127320
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.6
176 70.2 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047736.D
Acq: 23 Sep 2025 16:13

Tgt Ion: 117 Resp: 271011
Ion Ratio Lower Upper
117 100
82 58.3 47.8 71.6
119 32.4 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047736.D

Acq: 23 Sep 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

TB04-20250911

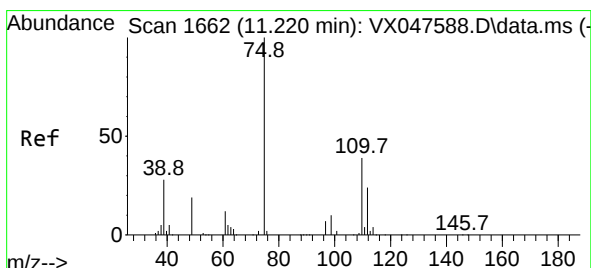
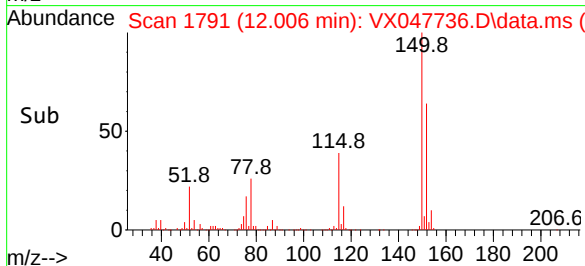
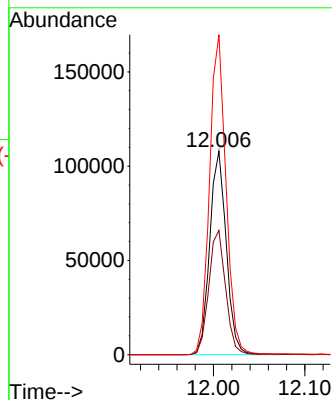
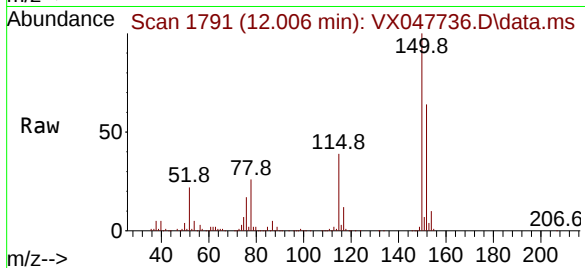
Tgt Ion:152 Resp: 135735

Ion Ratio Lower Upper

152 100

115 62.2 44.9 134.5

150 156.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 24.337 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047736.D

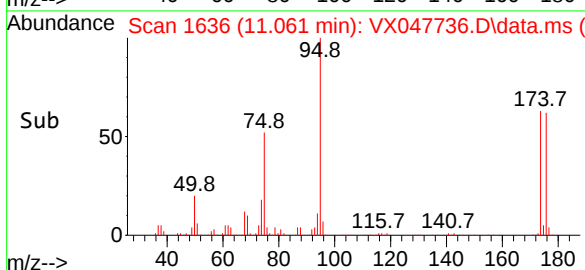
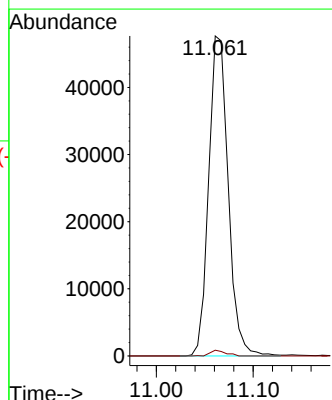
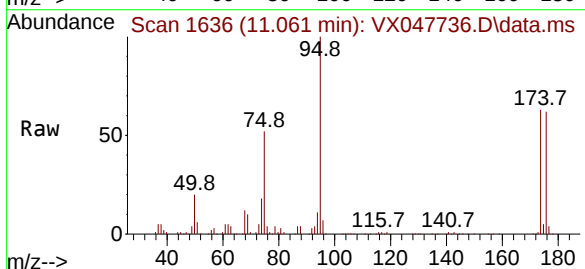
Acq: 23 Sep 2025 16:13

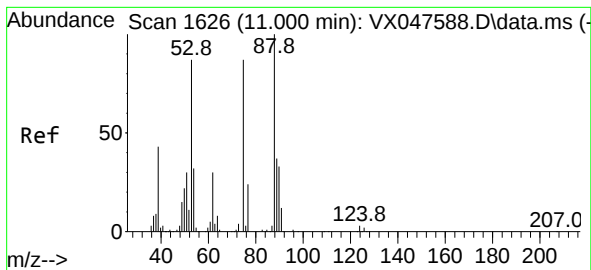
Tgt Ion: 75 Resp: 66883

Ion Ratio Lower Upper

75 100

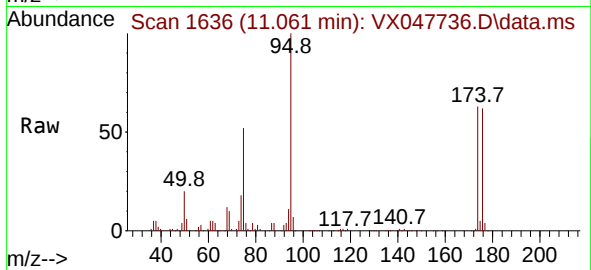
77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.063 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047736.D
 Acq: 23 Sep 2025 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TB04-20250911



Tgt Ion: 75 Resp: 66883
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

