

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047655.D
 Acq On : 18 Sep 2025 20:13
 Operator : JC/MD
 Sample : Q3095-30
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20250910

Quant Time: Sep 22 03:44:44 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)

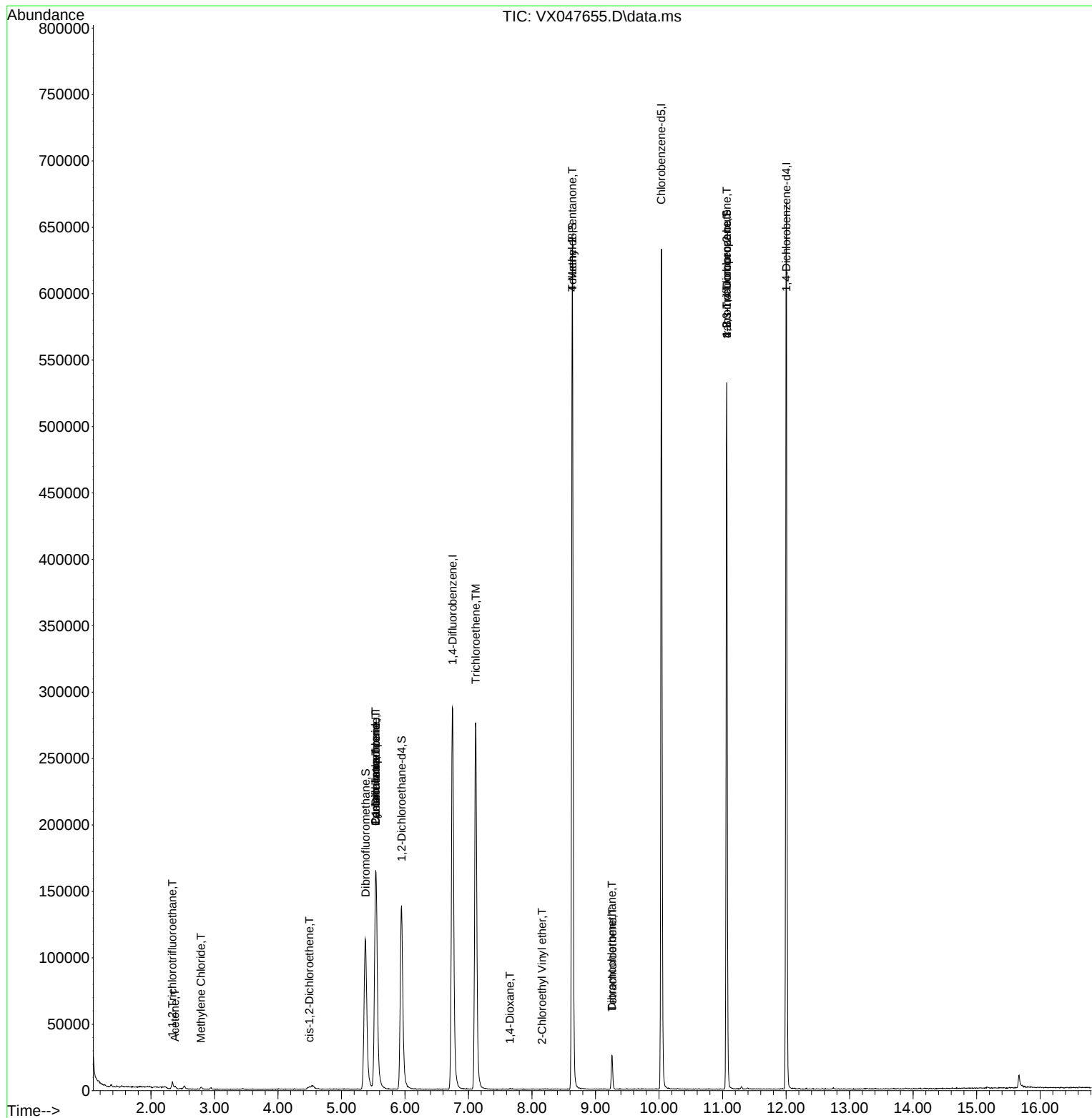
Internal Standards						
1) Pentafluorobenzene	5.538	168	169557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	316203	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	147490	54.648	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.300%	
35) Dibromofluoromethane	5.379	113	110356	52.039	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.080%	
50) Toluene-d8	8.635	98	380337	51.833	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.660%	
62) 4-Bromofluorobenzene	11.067	95	149257	53.596	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.200%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	2238	1.141	ug/l	95
16) Acetone	2.380	43	1965	1.674	ug/l	96
20) Methylene Chloride	2.788	84	801	0.322	ug/l #	78
27) cis-1,2-Dichloroethene	4.495	96	1228	0.462	ug/l	93
31) Cyclohexane	5.538	56	3477	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	14358	4.633	ug/l #	46
38) Carbon Tetrachloride	5.538	117	18105	5.377	ug/l #	16
44) Trichloroethene	7.117	130	117907	51.818	ug/l	95
49) 1,4-Dioxane	7.653	88	151	5.513	ug/l #	73
51) 4-Methyl-2-Pentanone	8.635	43	1757	0.582	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.159	63	20	7.904	ug/l #	47
60) Dibromochloromethane	9.257	129	5164	2.004	ug/l #	11
64) Tetrachloroethene	9.263	164	4738	2.550	ug/l	89
76) 1,2,3-Trichloropropane	11.067	75	76994	27.552	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	76994	70.262	ug/l #	8

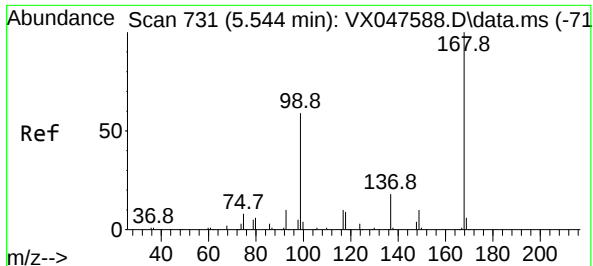
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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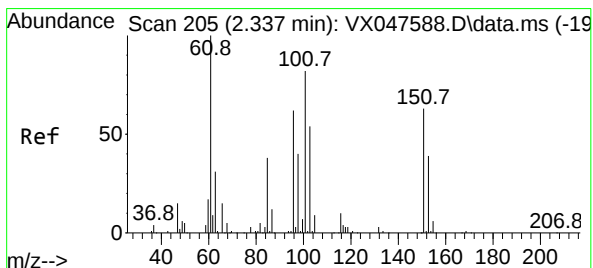
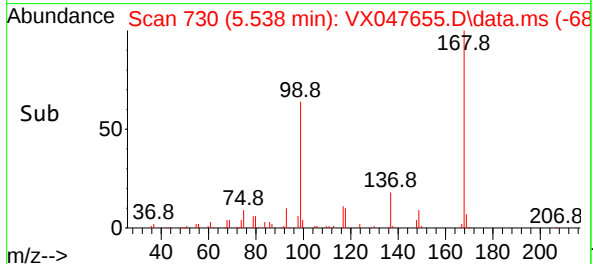
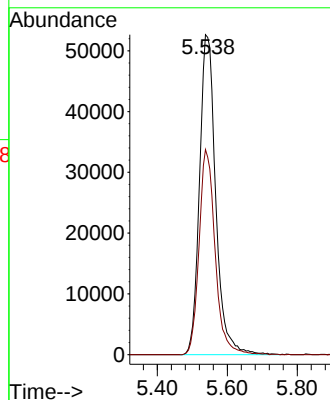
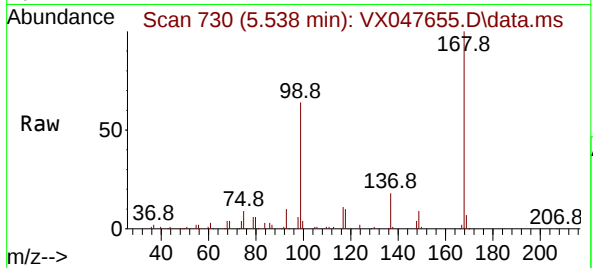




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

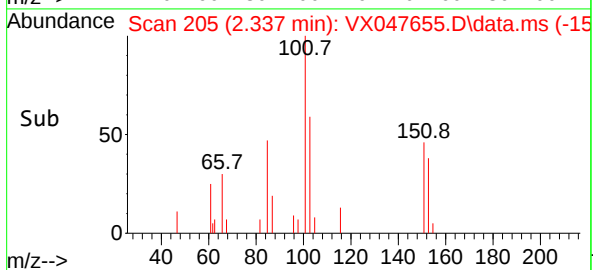
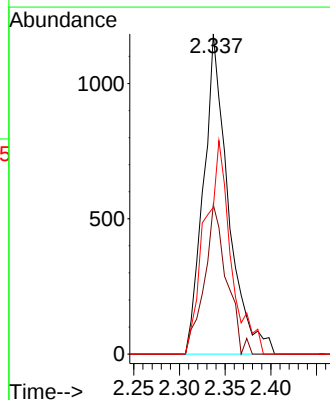
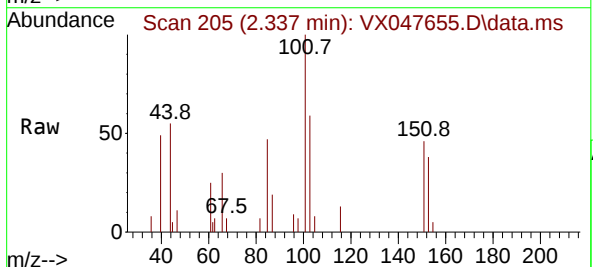
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

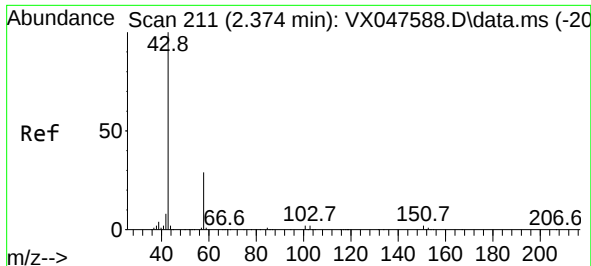
Tgt Ion:168 Resp: 169557
Ion Ratio Lower Upper
168 100
99 64.1 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.141 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

Tgt Ion:101 Resp: 2238
Ion Ratio Lower Upper
101 100
85 42.0 35.5 53.3
151 69.8 59.4 89.0

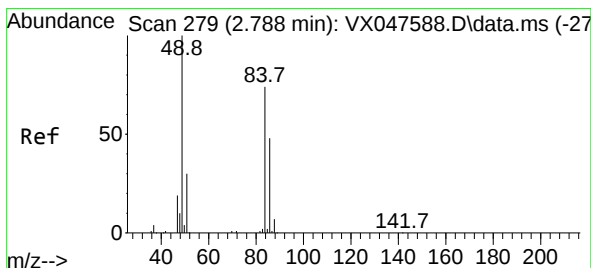
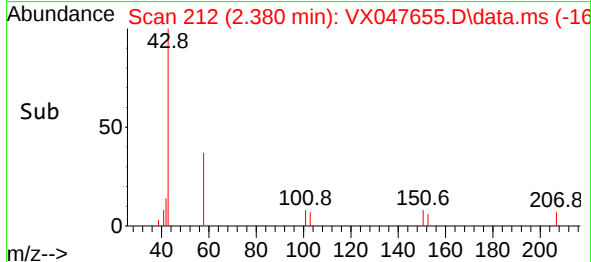
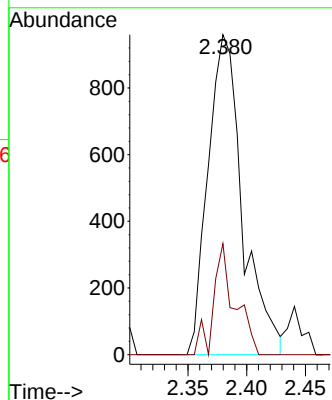
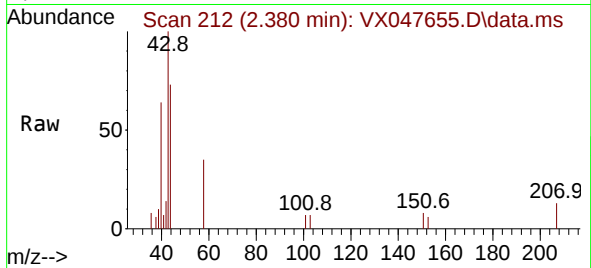




#16
Acetone
Concen: 1.674 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

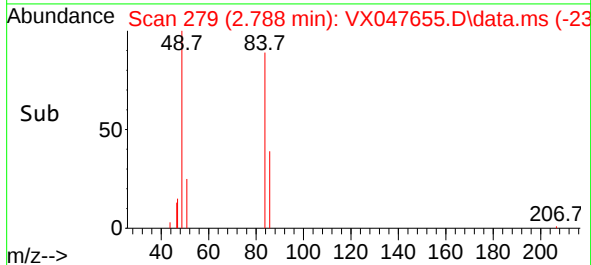
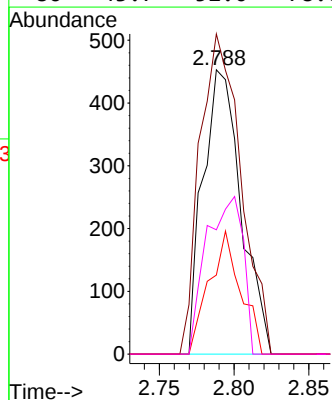
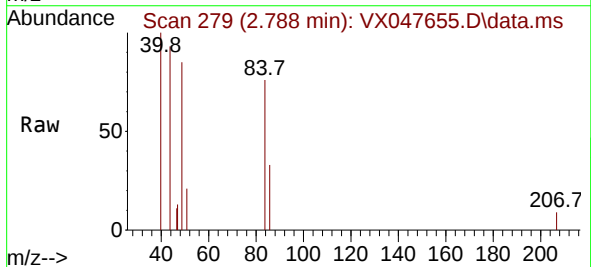
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

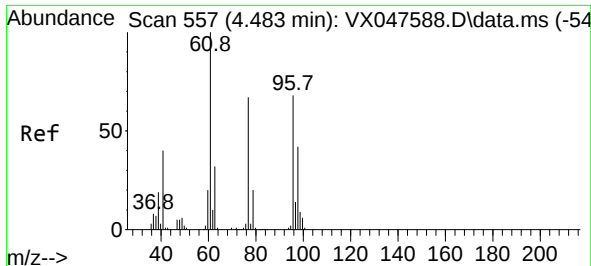
Tgt Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
58 31.1 23.4 35.0



#20
Methylene Chloride
Concen: 0.322 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

Tgt Ion: 84 Resp: 801
Ion Ratio Lower Upper
84 100
49 112.6 108.6 162.8
51 27.8 32.6 48.8#
86 43.7 52.0 78.0#





#27

cis-1,2-Dichloroethene

Concen: 0.462 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX047655.D

Acq: 18 Sep 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20250910

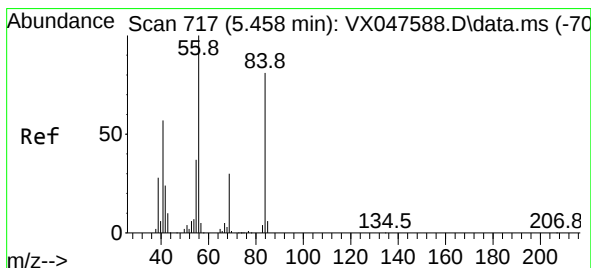
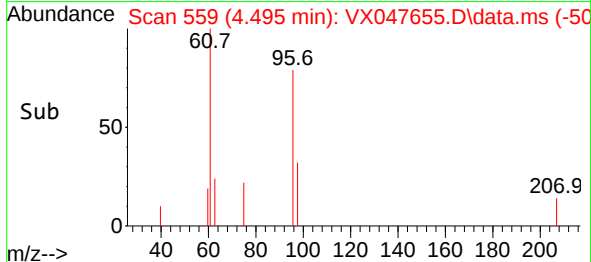
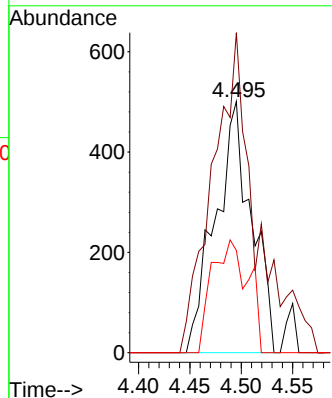
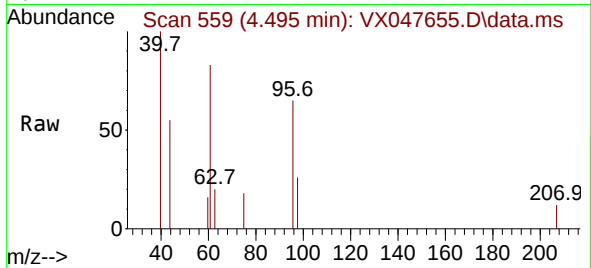
Tgt Ion: 96 Resp: 1228

Ion Ratio Lower Upper

96 100

61 152.0 0.0 303.2

98 44.9 0.0 127.8



#31

Cyclohexane

Concen: 0.975 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX047655.D

Acq: 18 Sep 2025 20:13

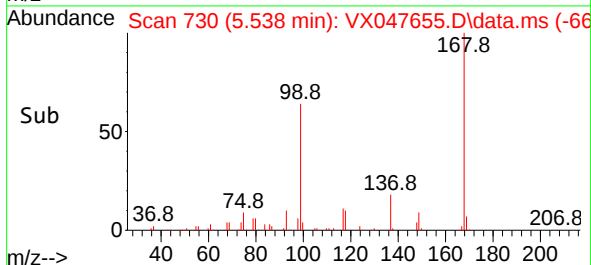
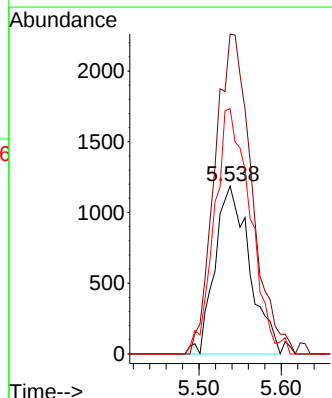
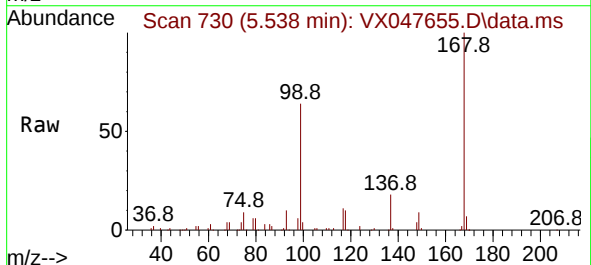
Tgt Ion: 56 Resp: 3477

Ion Ratio Lower Upper

56 100

69 190.7 23.8 35.8#

84 146.2 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.648 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047655.D

Acq: 18 Sep 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

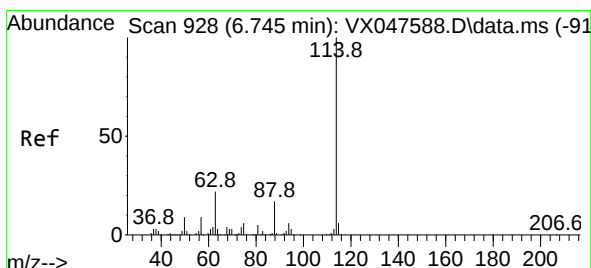
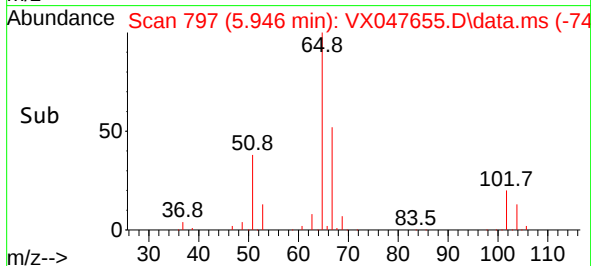
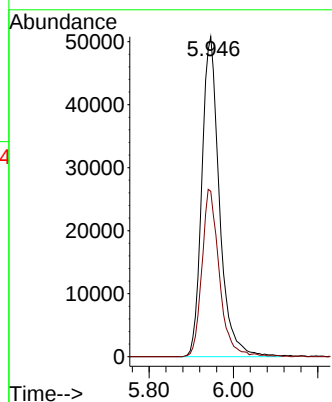
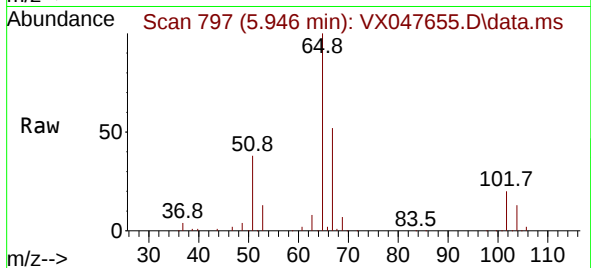
RE104D1-20250910

Tgt Ion: 65 Resp: 147490

Ion Ratio Lower Upper

65 100

67 51.3 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: VX047655.D

Acq: 18 Sep 2025 20:13

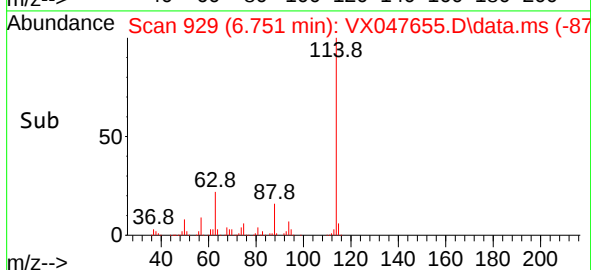
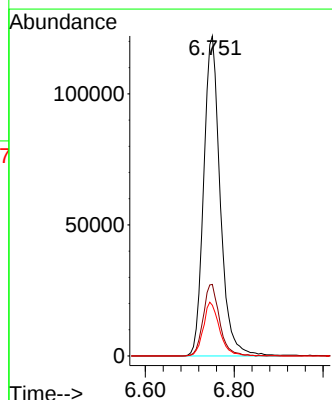
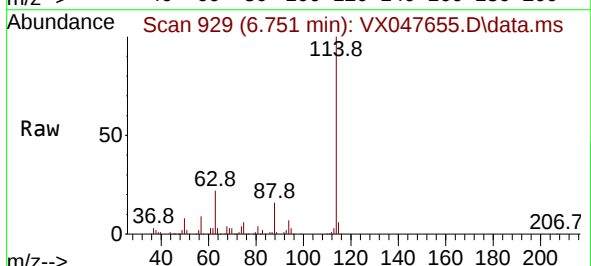
Tgt Ion: 114 Resp: 316203

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 15.9 0.0 34.2

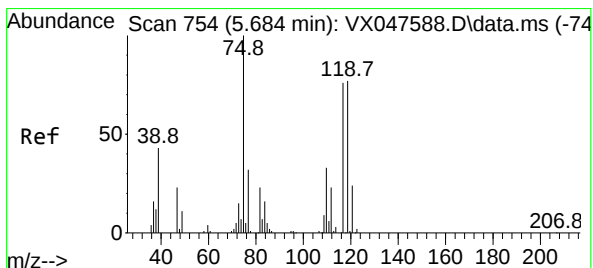
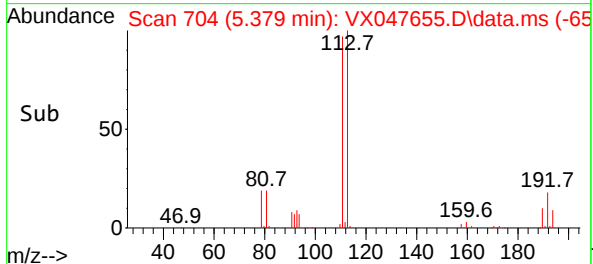
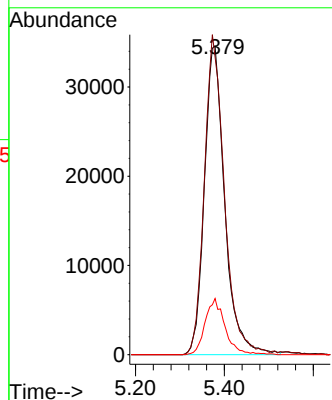
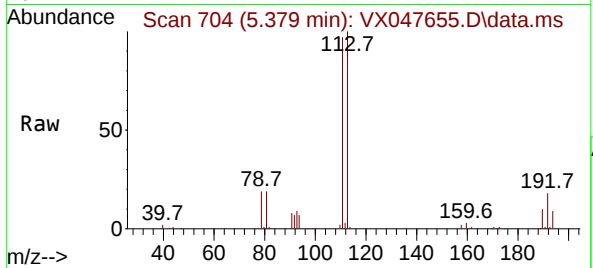




#35
Dibromofluoromethane
Concen: 52.039 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

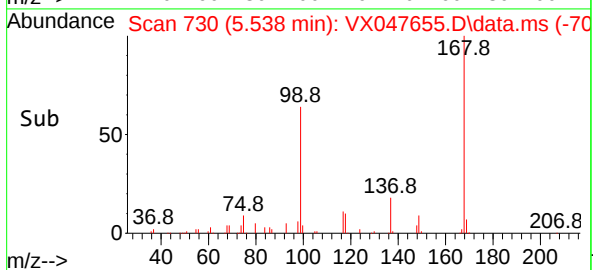
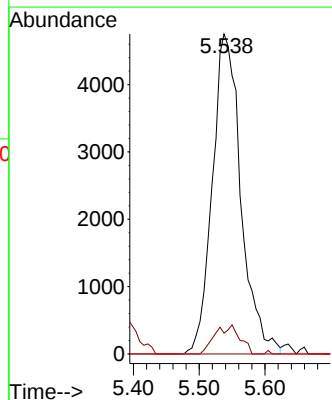
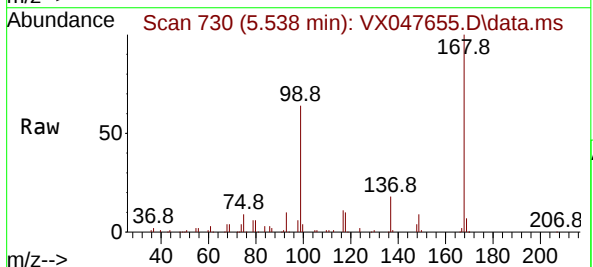
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

Tgt Ion:113 Resp: 110356
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 17.9 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

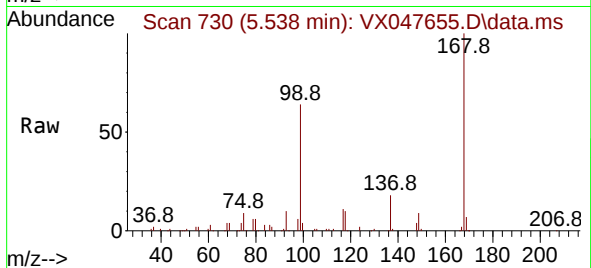
Tgt Ion: 75 Resp: 14358
Ion Ratio Lower Upper
75 100
110 3.7 16.7 50.1#
77 0.0 24.3 36.5#



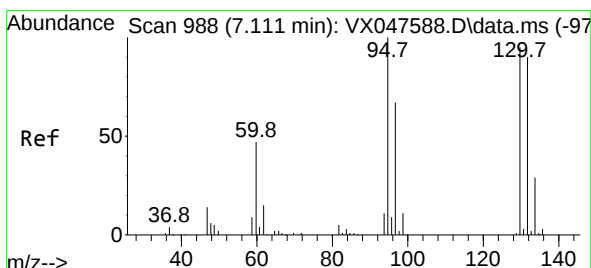
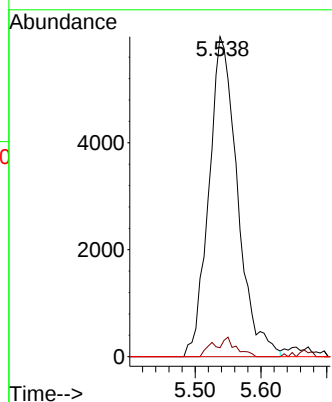
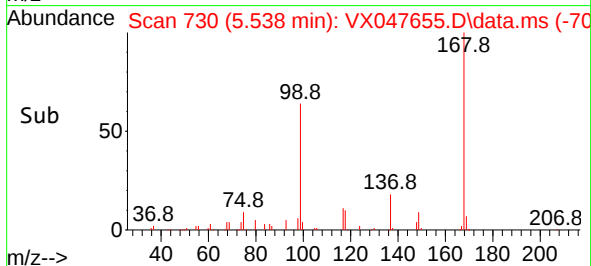


#38
Carbon Tetrachloride
Concen: 5.377 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

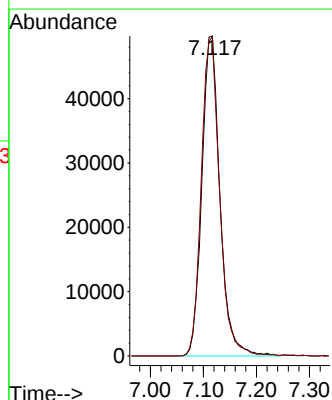
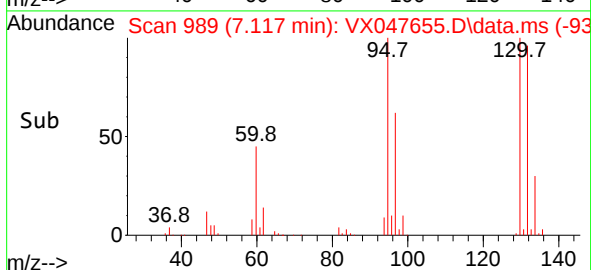
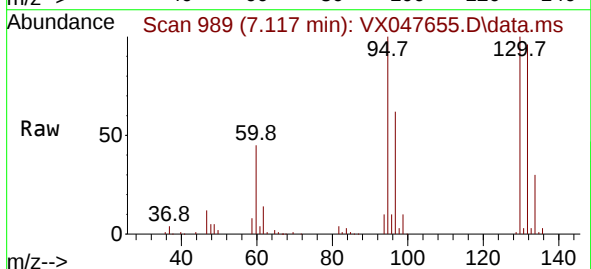


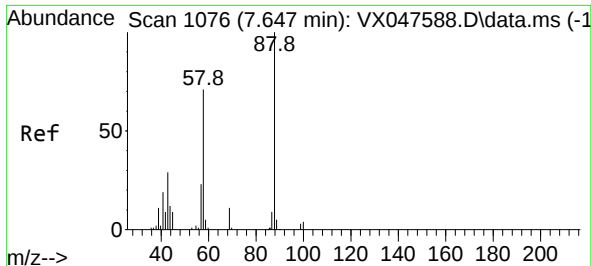
Tgt Ion:117 Resp: 18105
Ion Ratio Lower Upper
117 100
119 2.8 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 51.818 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

Tgt Ion:130 Resp: 117907
Ion Ratio Lower Upper
130 100
95 99.8 0.0 210.8





#49

1,4-Dioxane

Concen: 5.513 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VX047655.D

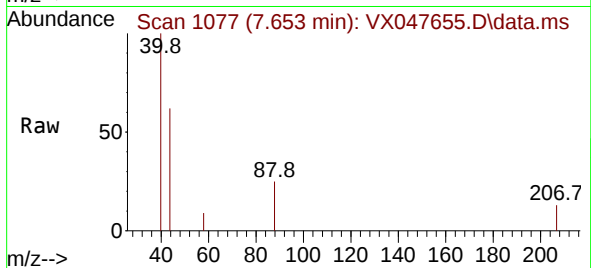
Acq: 18 Sep 2025 20:13

Instrument :

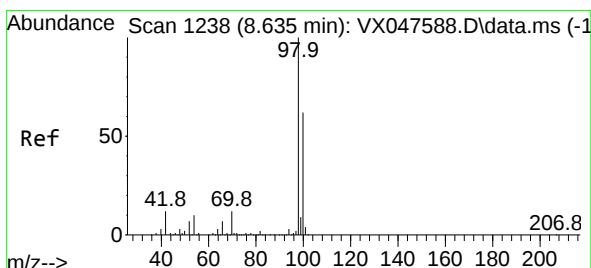
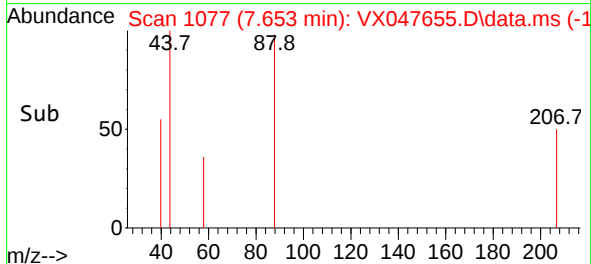
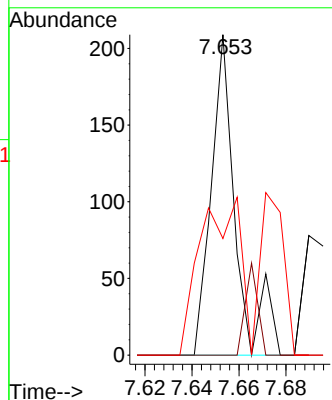
MSVOA_X

ClientSampleId :

RE104D1-20250910



Tgt Ion:	88	Resp:	151
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.2	45.2#
58	81.5	59.5	89.3



#50

Toluene-d8

Concen: 51.833 ug/l

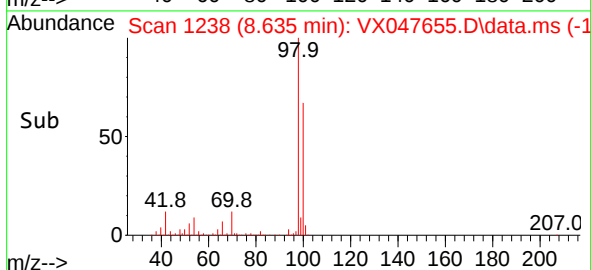
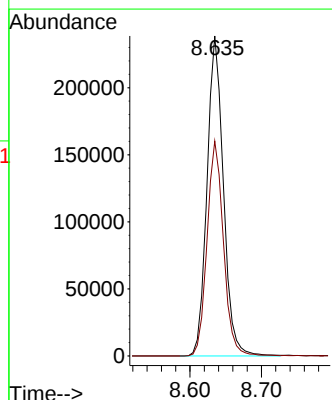
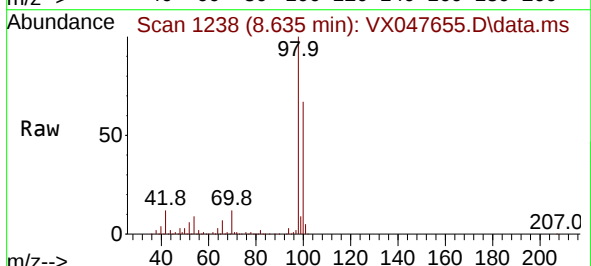
RT: 8.635 min Scan# 1238

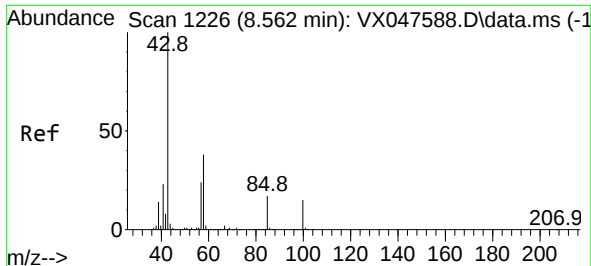
Delta R.T. -0.000 min

Lab File: VX047655.D

Acq: 18 Sep 2025 20:13

Tgt Ion:	98	Resp:	380337
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

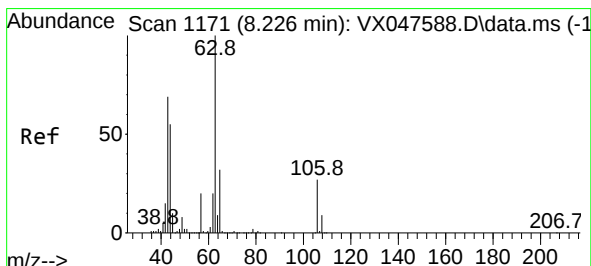
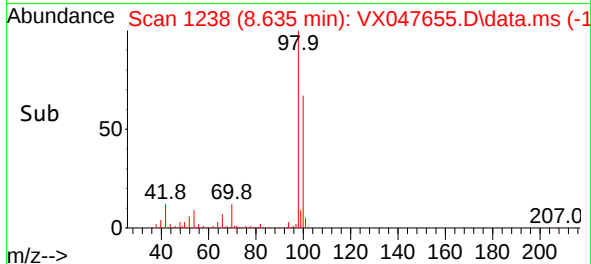
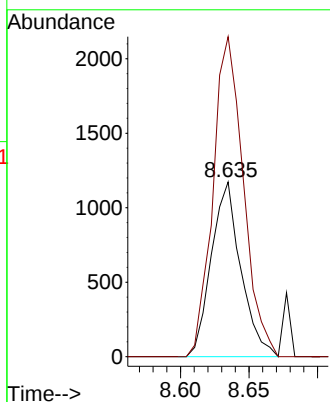
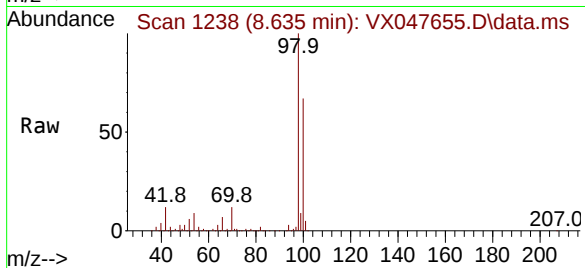




#51
4-Methyl-2-Pentanone
Concen: 0.582 ug/l
RT: 8.635 min Scan# 1160
Delta R.T. 0.073 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

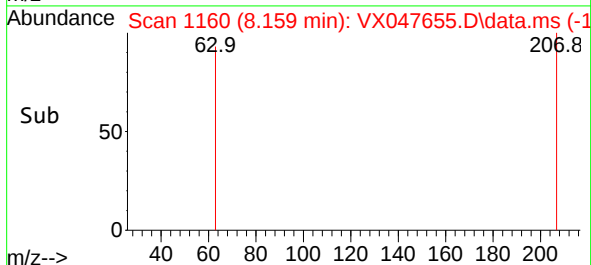
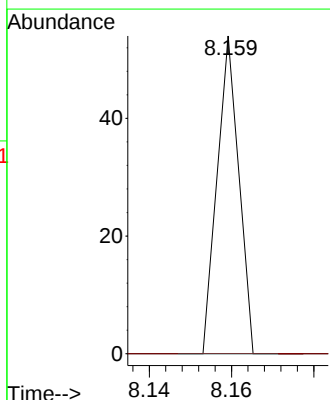
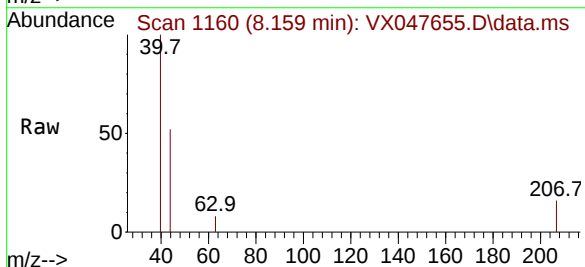
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

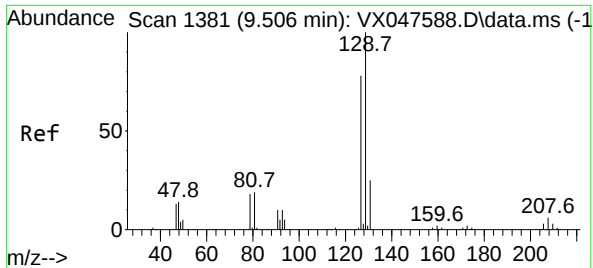
Tgt Ion: 43 Resp: 1757
Ion Ratio Lower Upper
43 100
58 188.9 30.3 45.5#



#58
2-Chloroethyl Vinyl ether
Concen: 7.904 ug/l
RT: 8.159 min Scan# 1160
Delta R.T. -0.067 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

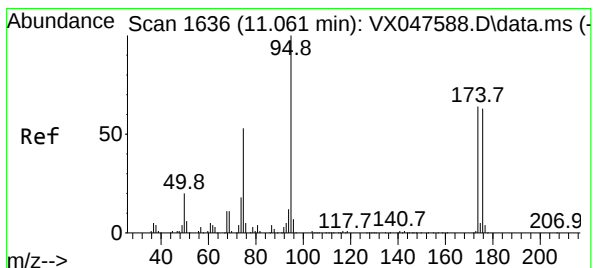
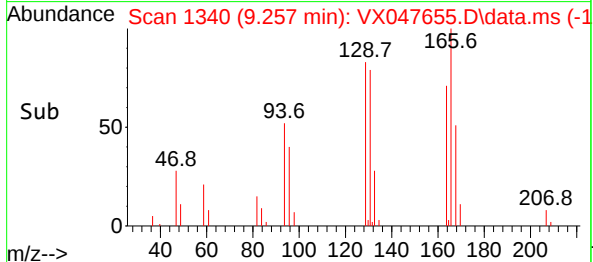
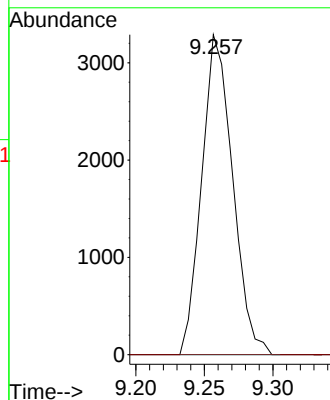
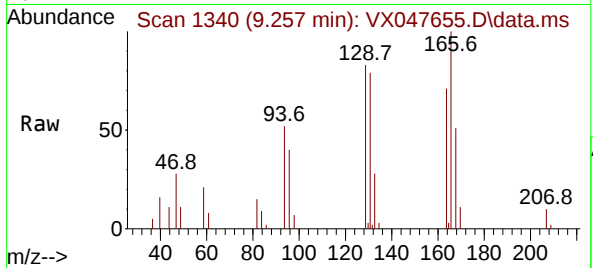




#60
Dibromochloromethane
Concen: 2.004 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

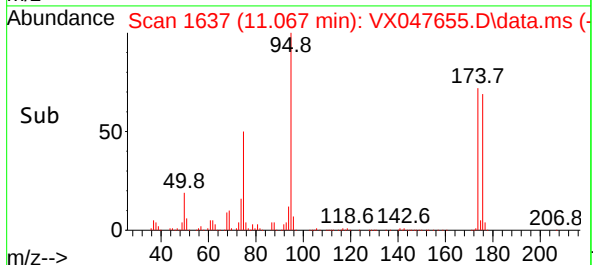
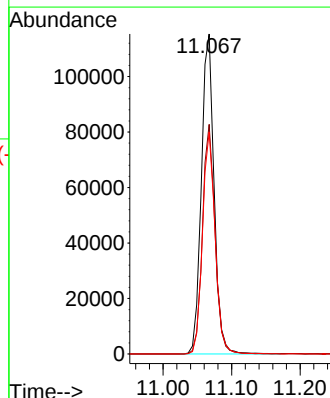
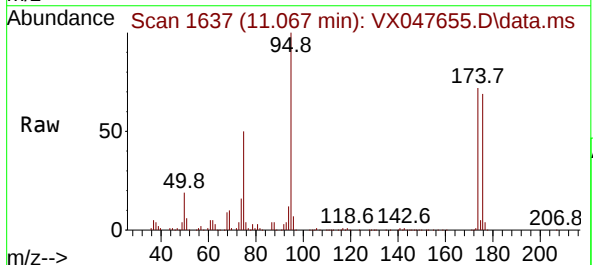
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20250910

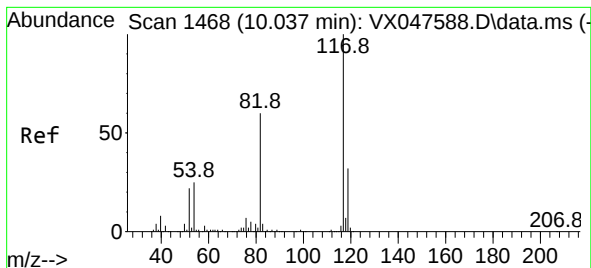
Tgt Ion:129 Resp: 5164
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.596 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047655.D
Acq: 18 Sep 2025 20:13

Tgt Ion: 95 Resp: 149257
Ion Ratio Lower Upper
95 100
174 70.6 0.0 141.6
176 68.9 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: VX047655.D

Acq: 18 Sep 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20250910

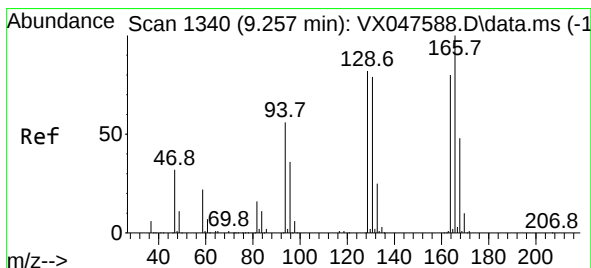
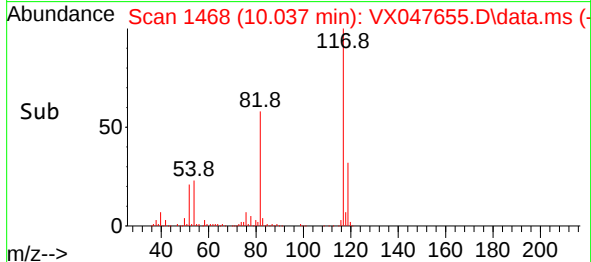
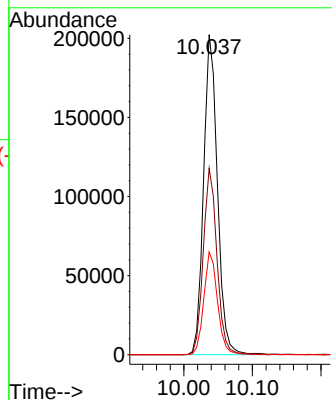
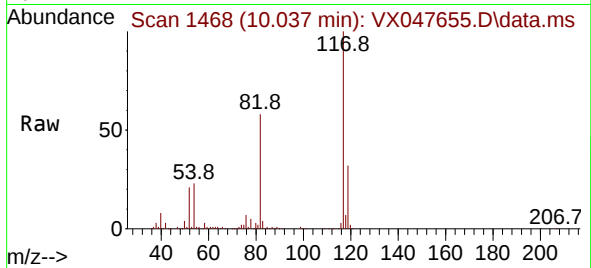
Tgt Ion:117 Resp: 285074

Ion Ratio Lower Upper

117 100

82 58.3 47.8 71.6

119 32.1 25.2 37.8



#64

Tetrachloroethene

Concen: 2.550 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047655.D

Acq: 18 Sep 2025 20:13

Tgt Ion:164 Resp: 4738

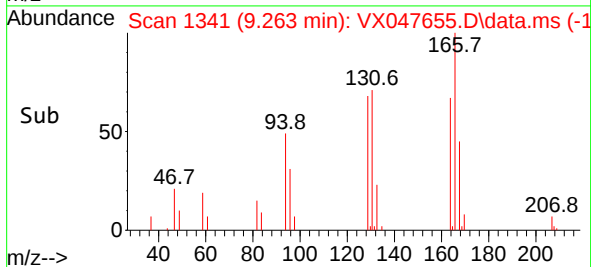
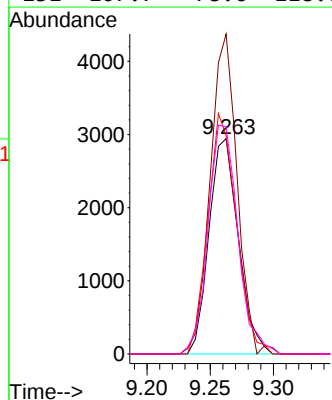
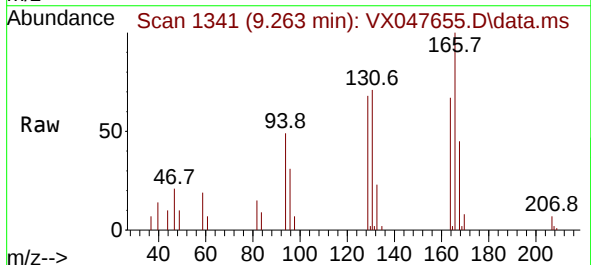
Ion Ratio Lower Upper

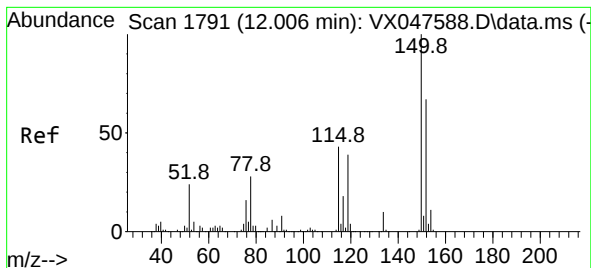
164 100

166 148.6 100.2 150.2

129 101.4 81.8 122.6

131 107.7 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047655.D

Acq: 18 Sep 2025 20:13

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20250910

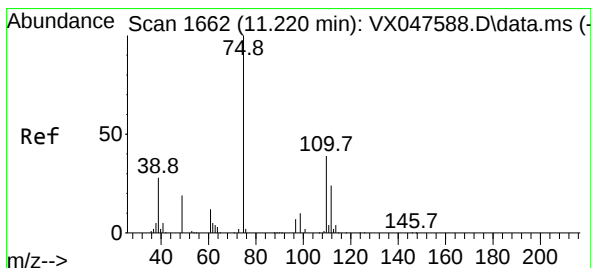
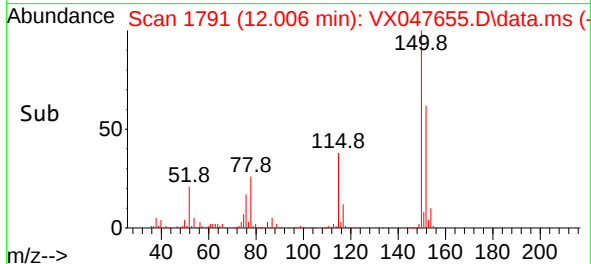
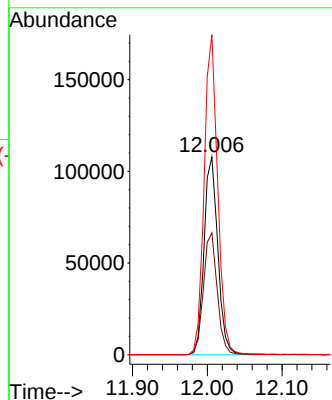
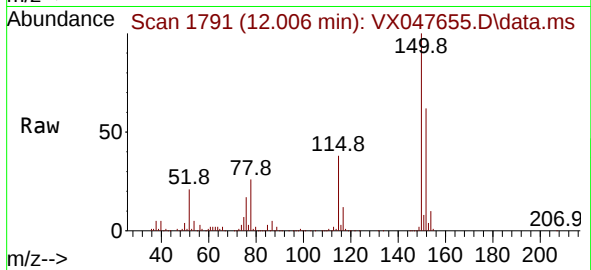
Tgt Ion:152 Resp: 138021

Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

150 159.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 27.552 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. -0.152 min

Lab File: VX047655.D

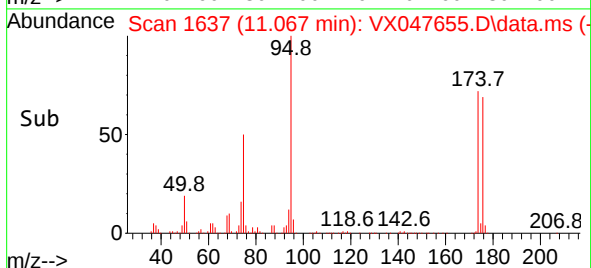
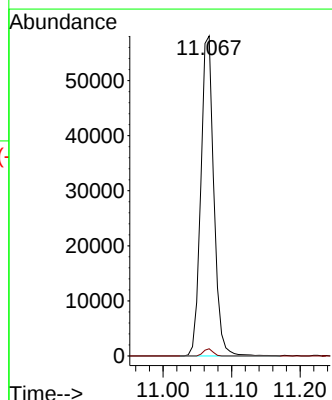
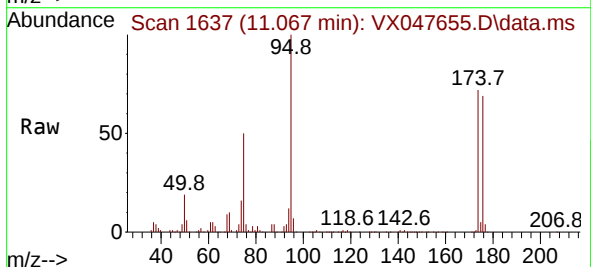
Acq: 18 Sep 2025 20:13

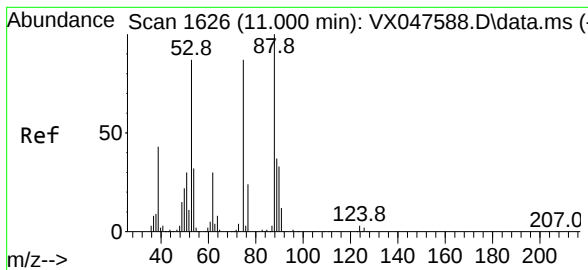
Tgt Ion: 75 Resp: 76994

Ion Ratio Lower Upper

75 100

77 1.7 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.262 ug/l
 RT: 11.067 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX047655.D
 Acq: 18 Sep 2025 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20250910

Tgt Ion: 75 Resp: 76994
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

