

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047681.D
 Acq On : 19 Sep 2025 16:59
 Operator : JC/MD
 Sample : Q3097-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20250911

Quant Time: Sep 20 00:35:20 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)

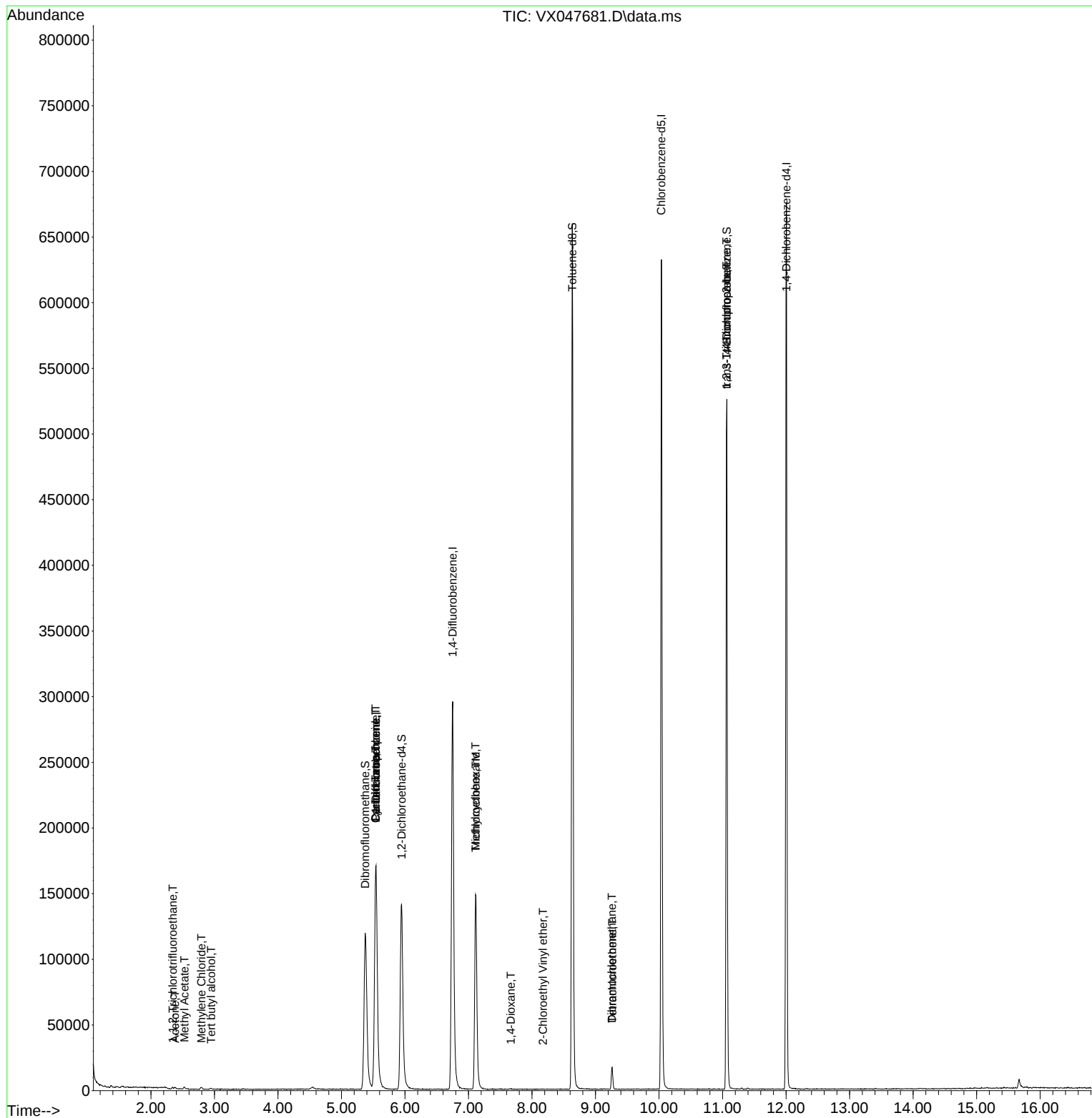
Internal Standards						
1) Pentafluorobenzene	5.543	168	172130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	316059	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	289018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	154151	56.262	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 112.520%		
35) Dibromofluoromethane	5.373	113	115726	54.596	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 109.200%		
50) Toluene-d8	8.634	98	402399	54.864	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.720%		
62) 4-Bromofluorobenzene	11.067	95	153502	55.146	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.300%		
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.343	101	723	0.363	ug/l #	70
11) Tert butyl alcohol	2.946	59	138	0.452	ug/l #	72
16) Acetone	2.379	43	1585	1.330	ug/l	95
18) Methyl Acetate	2.526	43	703	0.265	ug/l #	54
20) Methylene Chloride	2.794	84	829	0.329	ug/l #	63
31) Cyclohexane	5.537	56	4040	1.116	ug/l #	11
36) 1,1-Dichloropropene	5.537	75	14708	4.749	ug/l #	52
38) Carbon Tetrachloride	5.537	117	18638	5.538	ug/l #	18
39) Methylcyclohexane	7.110	83	713	0.203	ug/l #	1
44) Trichloroethene	7.116	130	62687	27.562	ug/l	92
49) 1,4-Dioxane	7.665	88	239	8.729	ug/l #	68
58) 2-Chloroethyl Vinyl ether	8.171	63	22	7.905	ug/l #	47
60) Dibromochloromethane	9.256	129	3566	1.385	ug/l #	11
64) Tetrachloroethene	9.262	164	3487	1.851	ug/l	90
76) 1,2,3-Trichloropropane	11.061	75	79368	28.141	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	79368	71.763	ug/l #	8

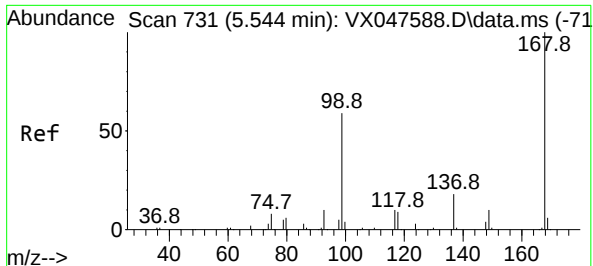
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

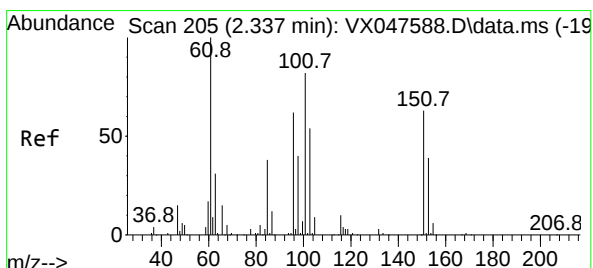
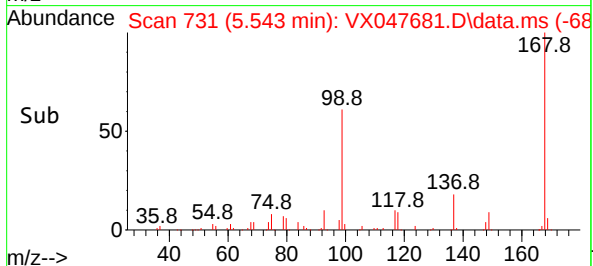
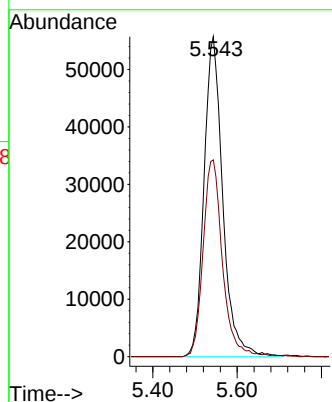
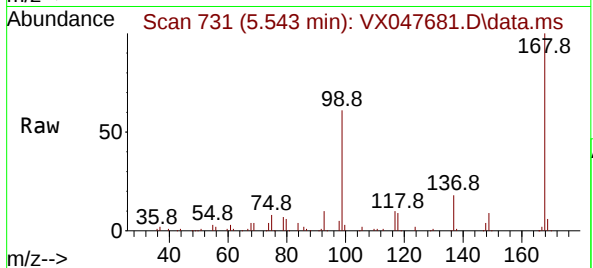




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

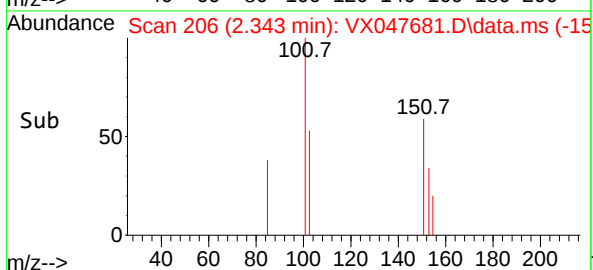
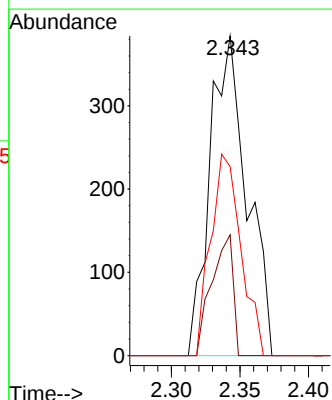
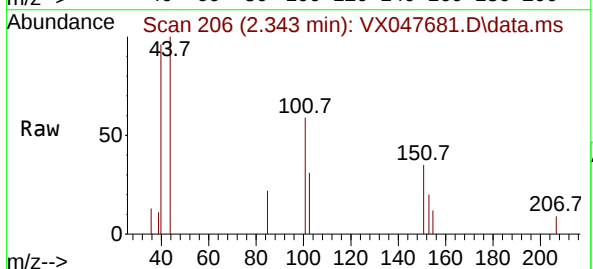
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20250911

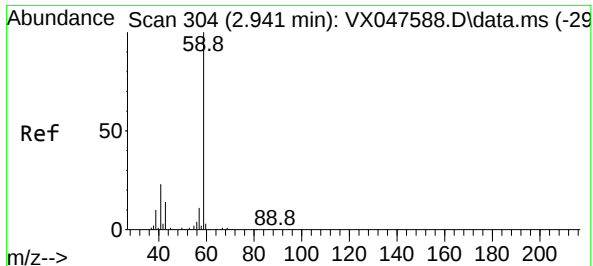
Tgt Ion:168 Resp: 172130
Ion Ratio Lower Upper
168 100
99 61.5 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.363 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion:101 Resp: 723
Ion Ratio Lower Upper
101 100
85 21.7 35.5 53.3#
151 51.5 59.4 89.0#





#11

Tert butyl alcohol

Concen: 0.452 ug/l

RT: 2.946 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX047681.D

Acq: 19 Sep 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

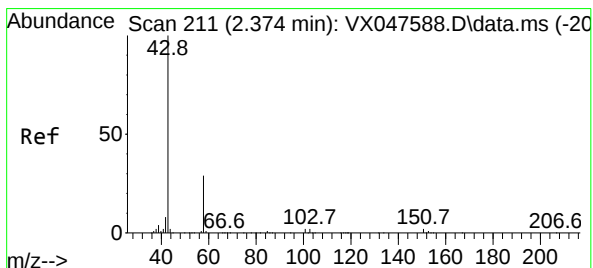
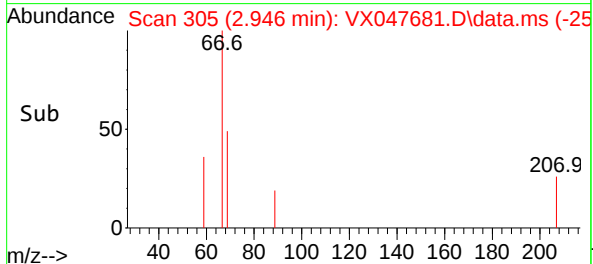
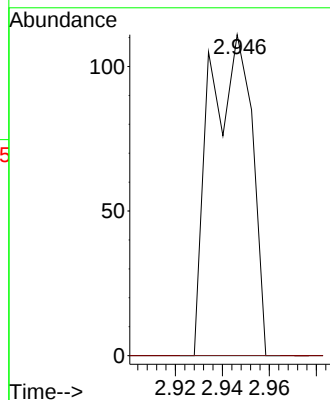
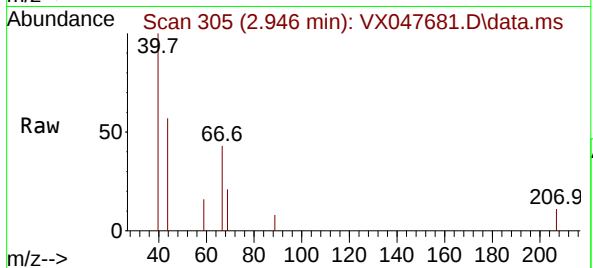
RE108D1-20250911

Tgt Ion: 59 Resp: 138

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.330 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX047681.D

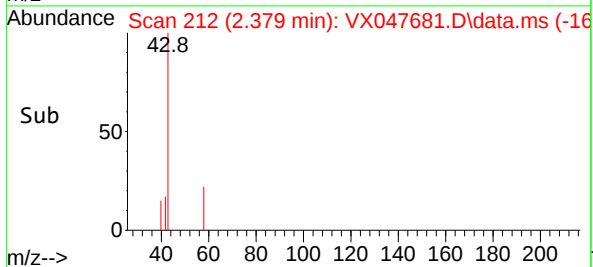
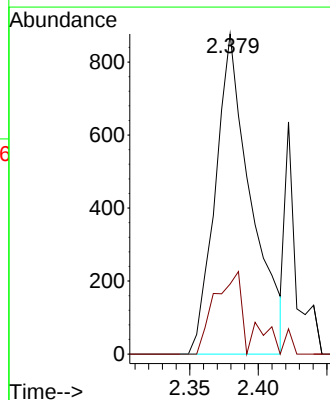
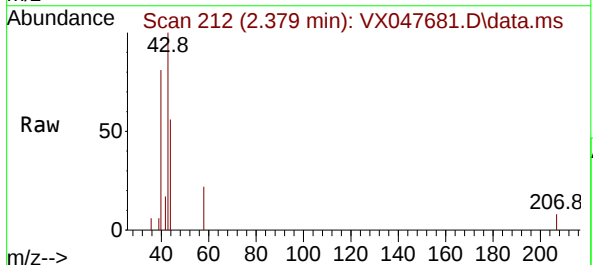
Acq: 19 Sep 2025 16:59

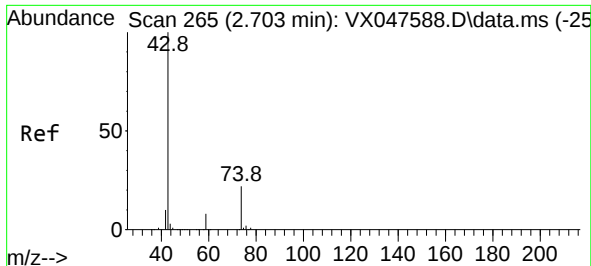
Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

43 100

58 26.7 23.4 35.0

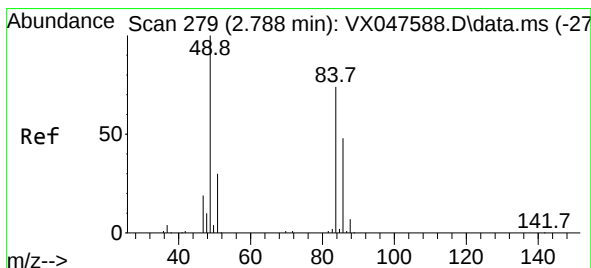
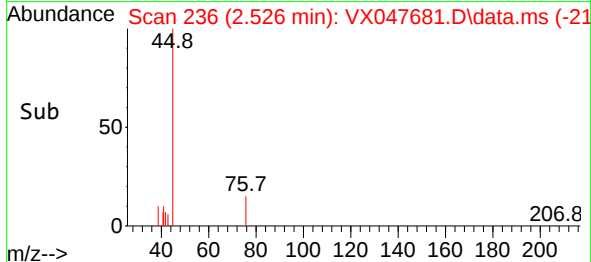
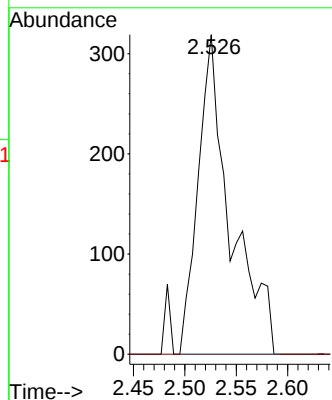
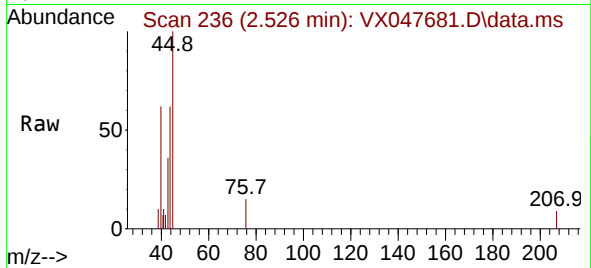




#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.177 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

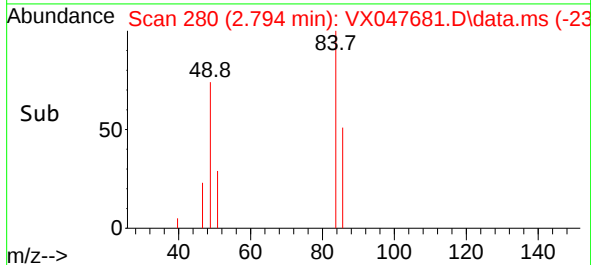
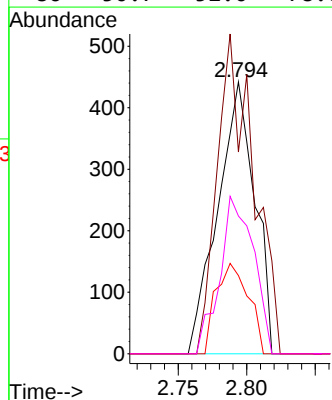
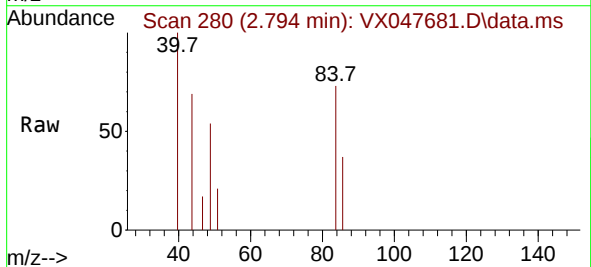
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20250911

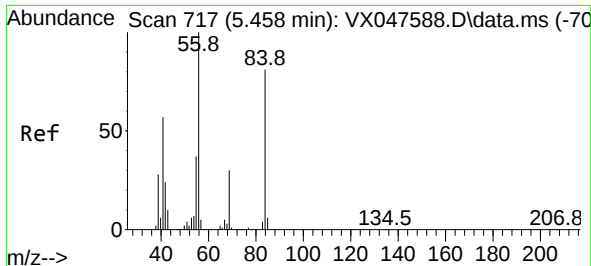
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion: 84 Resp: 829
Ion Ratio Lower Upper
84 100
49 74.2 108.6 162.8#
51 28.7 32.6 48.8#
86 50.7 52.0 78.0#

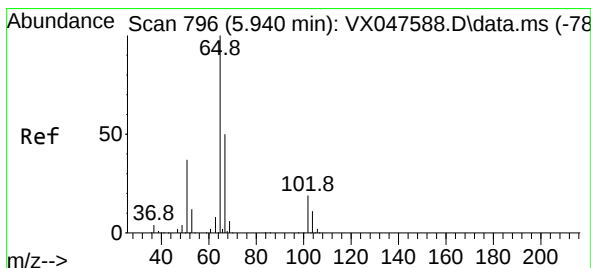
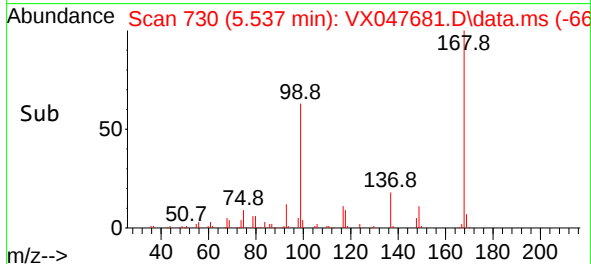
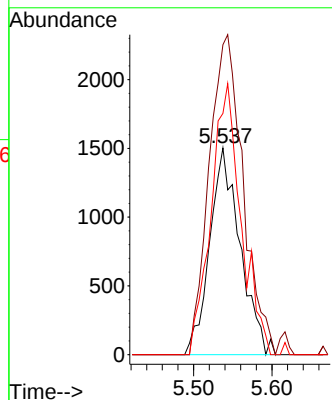
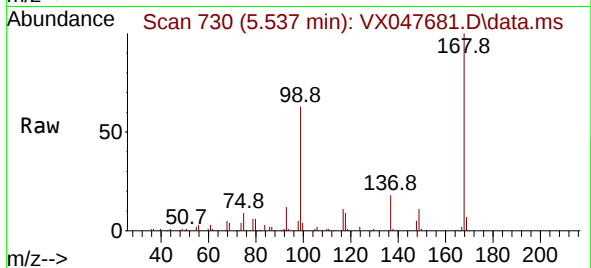




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

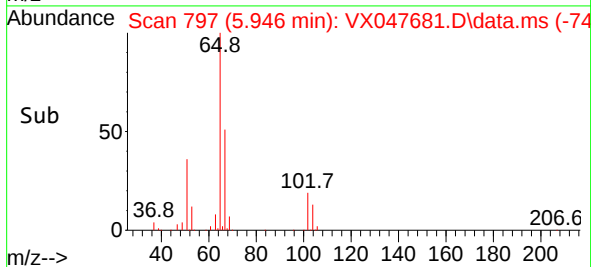
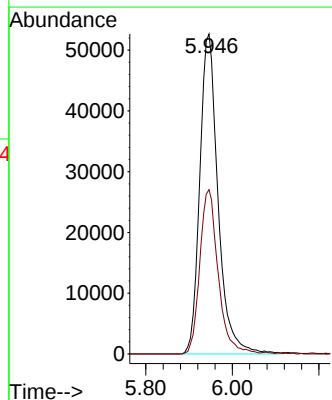
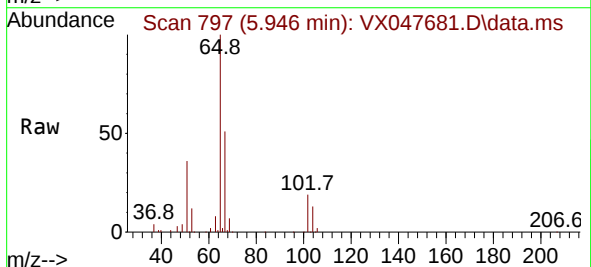
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20250911

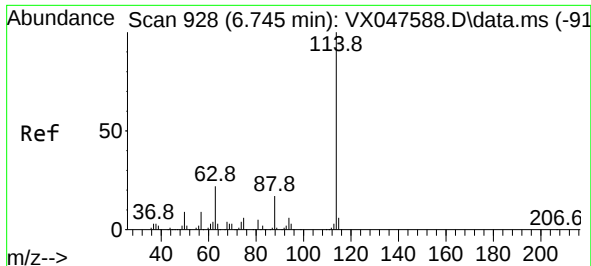
Tgt Ion: 56 Resp: 4040
Ion Ratio Lower Upper
56 100
69 150.0 23.8 35.8#
84 116.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 56.262 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion: 65 Resp: 154151
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0

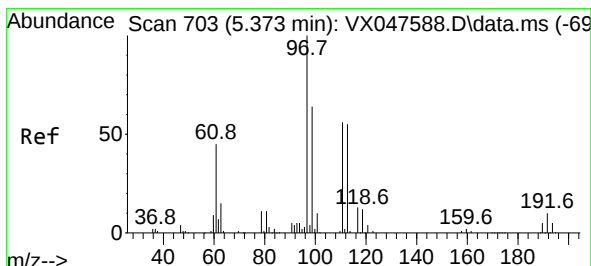
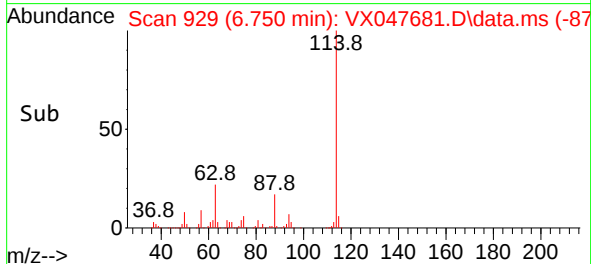
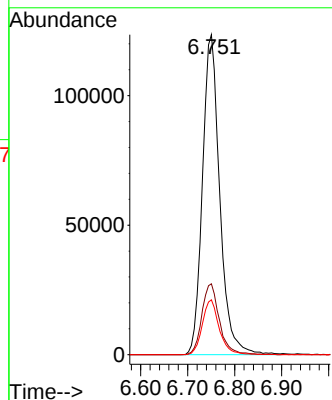
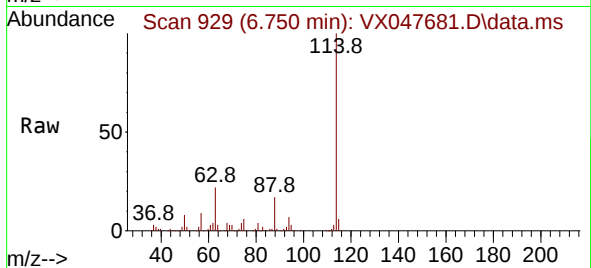




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

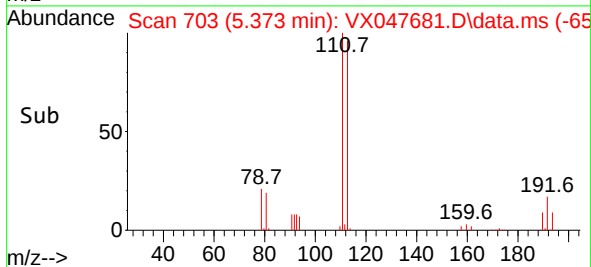
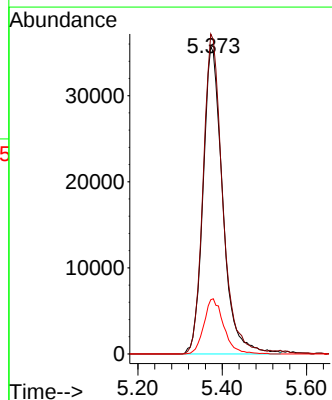
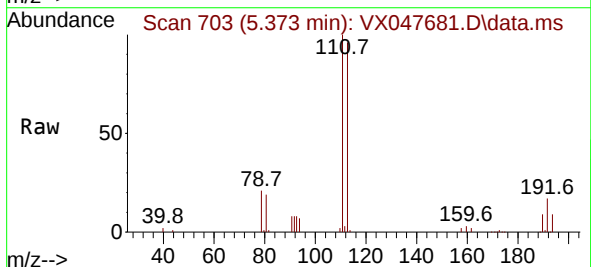
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20250911

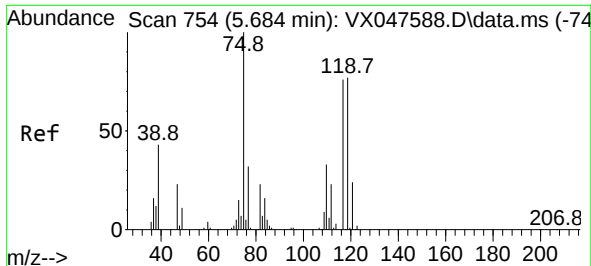
Tgt Ion:114 Resp: 316059
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.0
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 54.596 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion:113 Resp: 115726
Ion Ratio Lower Upper
113 100
111 102.7 80.9 121.3
192 18.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.749 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX047681.D

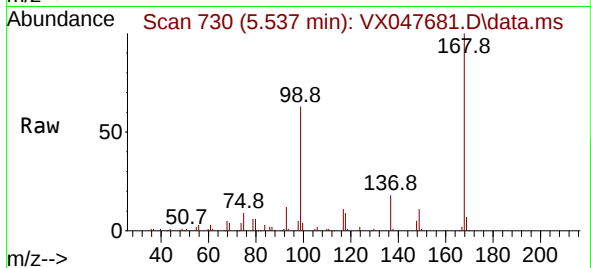
Acq: 19 Sep 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20250911



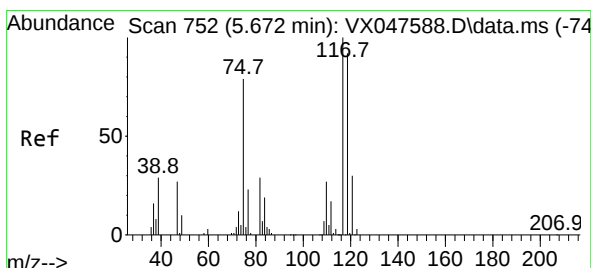
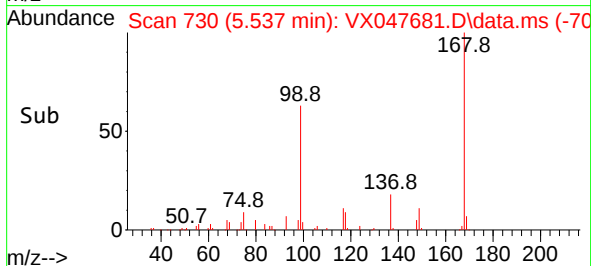
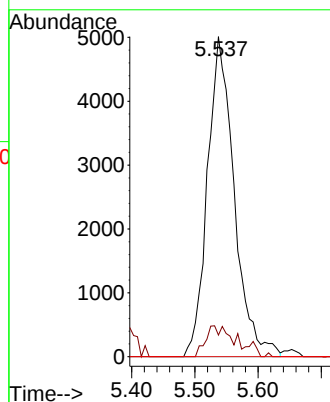
Tgt Ion: 75 Resp: 14708

Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.538 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.135 min

Lab File: VX047681.D

Acq: 19 Sep 2025 16:59

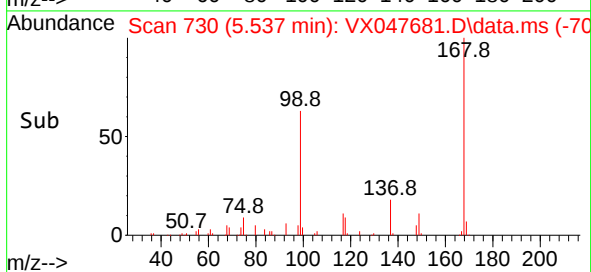
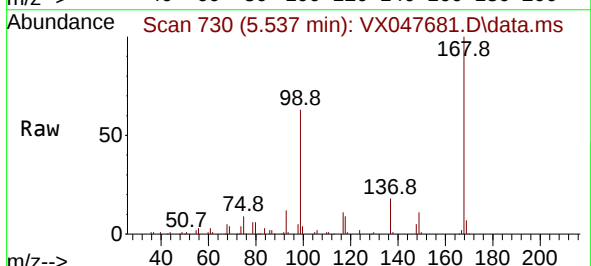
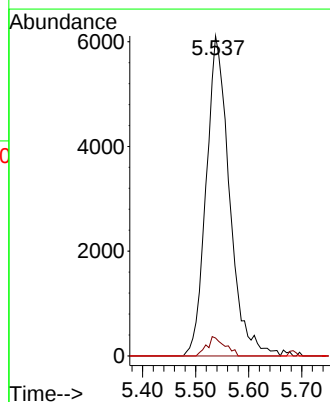
Tgt Ion: 117 Resp: 18638

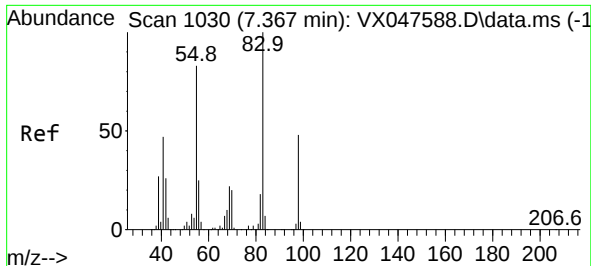
Ion Ratio Lower Upper

117 100

119 5.6 73.4 110.2#

121 0.0 23.8 35.6#

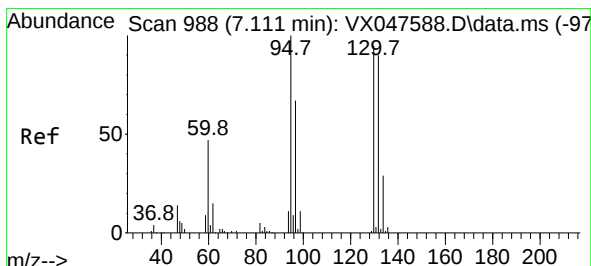
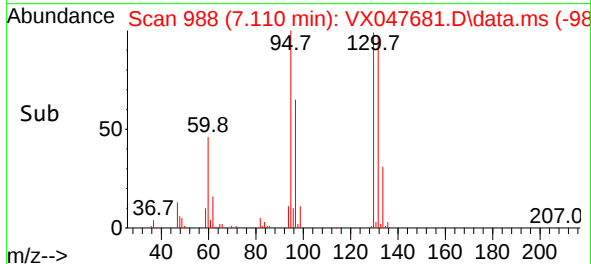
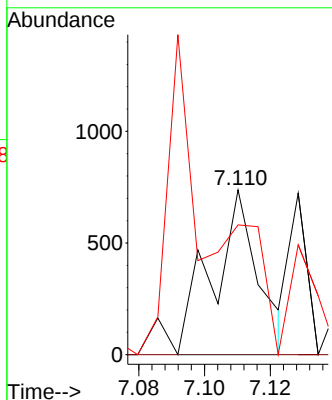
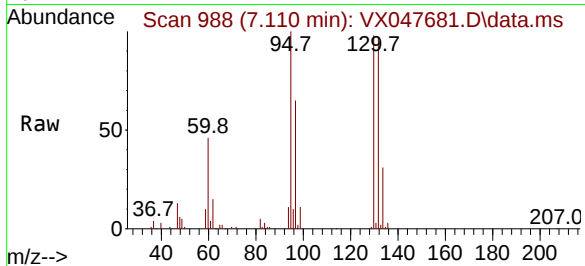




#39
Methylcyclohexane
Concen: 0.203 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

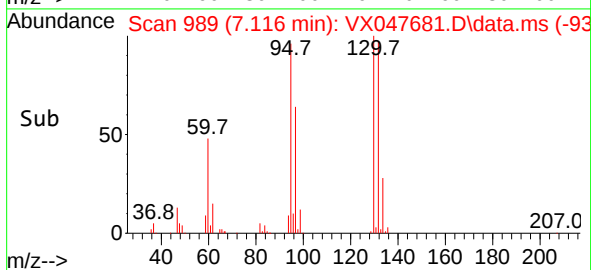
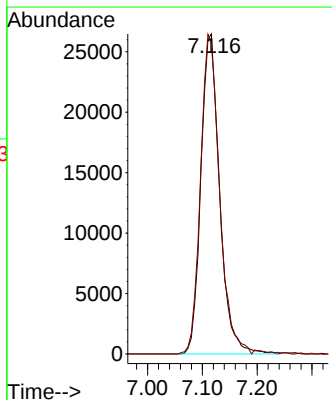
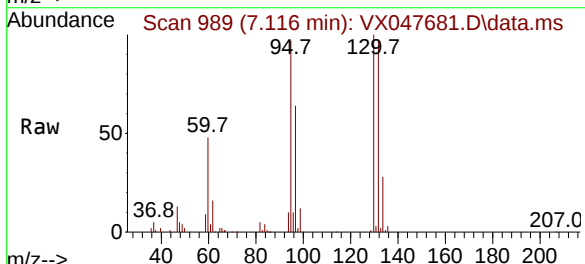
Instrument :
MSVOA_X
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RE108D1-20250911

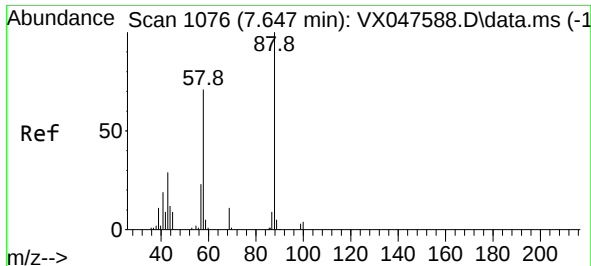
Tgt Ion: 83 Resp: 713
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 522.4 38.1 57.1#



#44
Trichloroethene
Concen: 27.562 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion:130 Resp: 62687
Ion Ratio Lower Upper
130 100
95 97.1 0.0 210.8





#49

1,4-Dioxane

Concen: 8.729 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VX047681.D

Acq: 19 Sep 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20250911

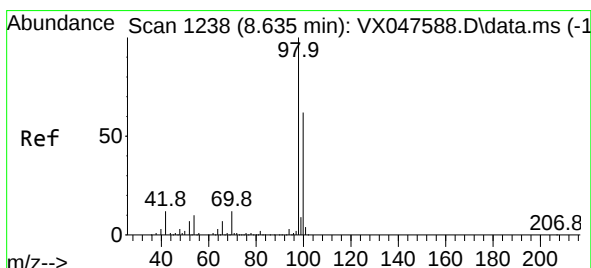
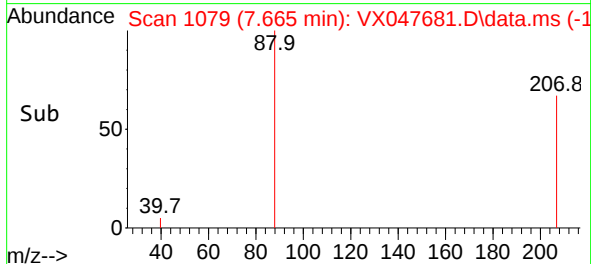
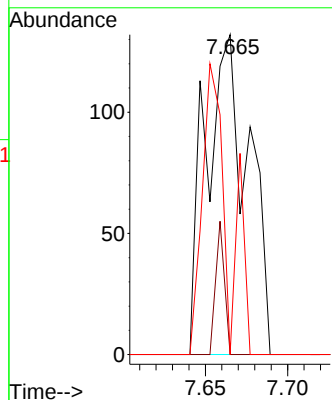
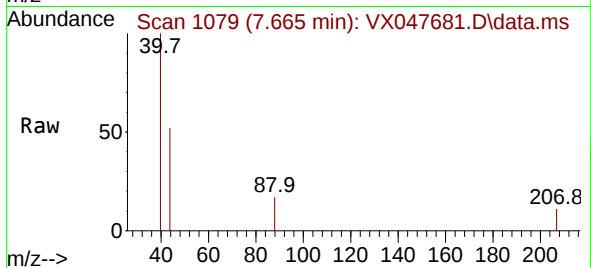
Tgt Ion: 88 Resp: 239

Ion Ratio Lower Upper

88 100

43 8.4 30.2 45.2#

58 54.0 59.5 89.3#



#50

Toluene-d8

Concen: 54.864 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047681.D

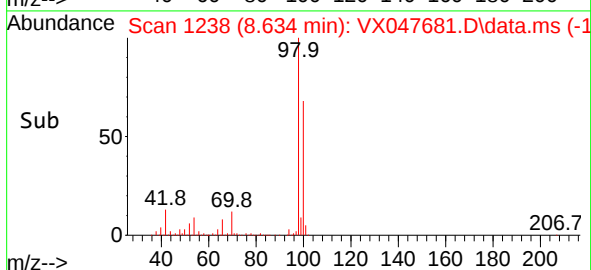
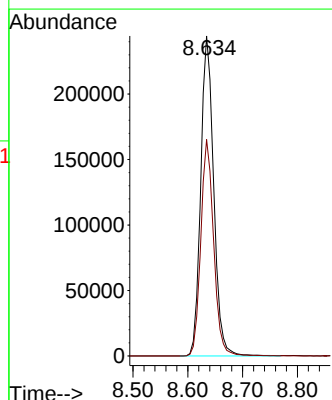
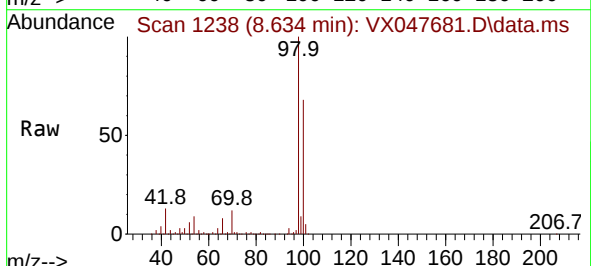
Acq: 19 Sep 2025 16:59

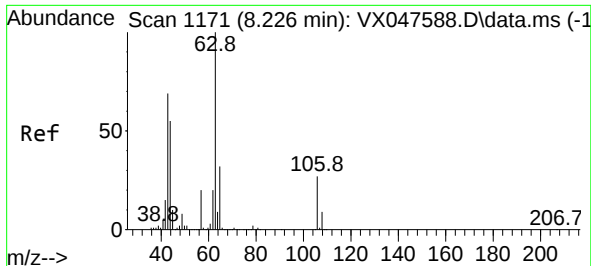
Tgt Ion: 98 Resp: 402399

Ion Ratio Lower Upper

98 100

100 66.9 53.0 79.4

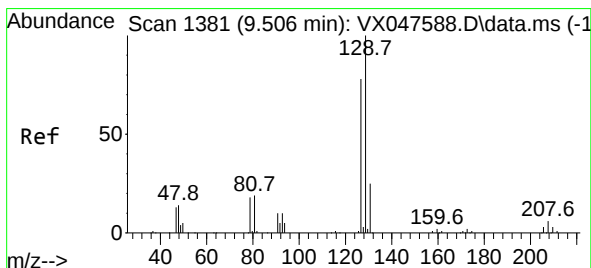
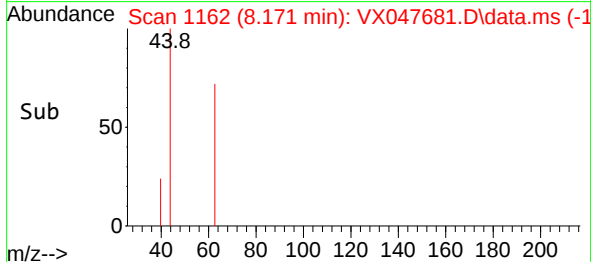
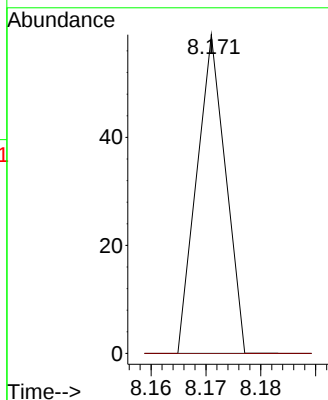
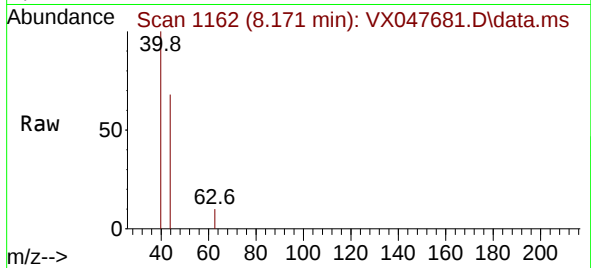




#58
2-Chloroethyl Vinyl ether
Concen: 7.905 ug/l
RT: 8.171 min Scan# 1171
Delta R.T. -0.055 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

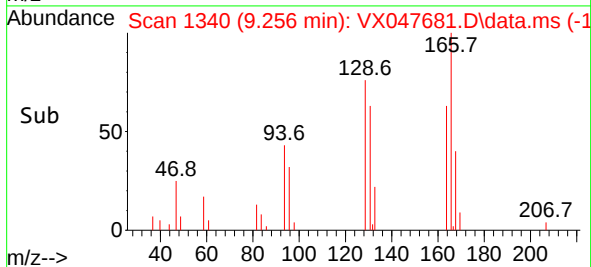
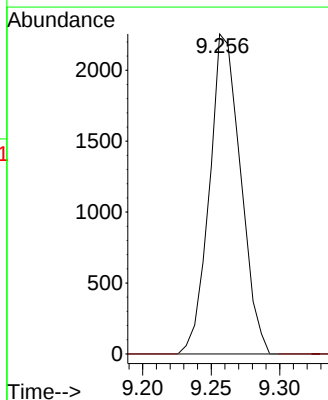
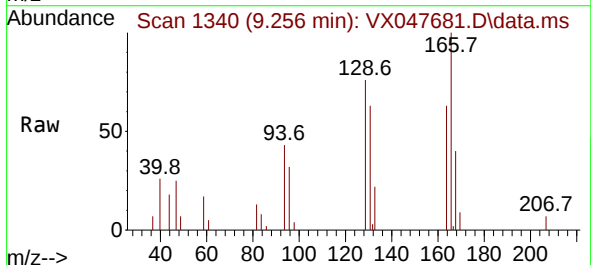
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20250911

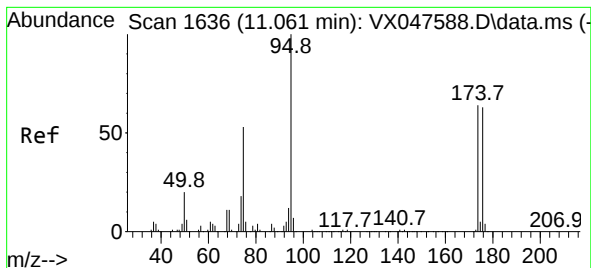
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#



#60
Dibromochloromethane
Concen: 1.385 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion: 129 Resp: 3566
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 55.146 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047681.D

Acq: 19 Sep 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20250911

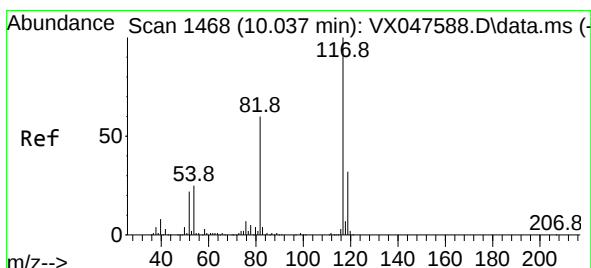
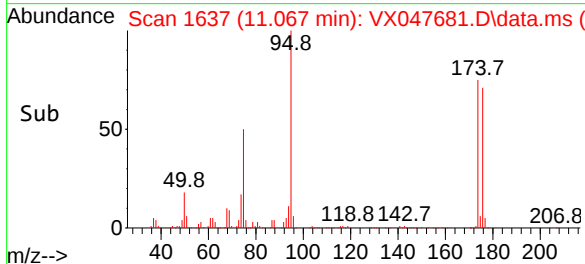
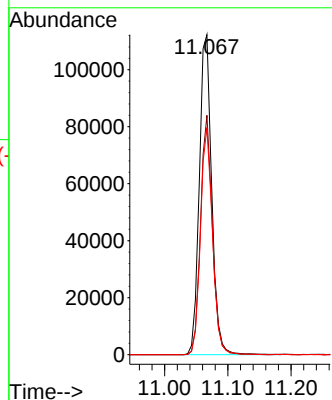
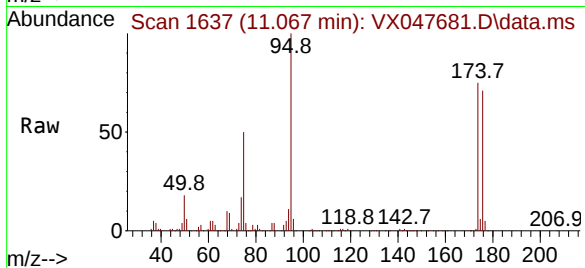
Tgt Ion: 95 Resp: 153502

Ion Ratio Lower Upper

95 100

174 71.7 0.0 141.6

176 68.6 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: VX047681.D

Acq: 19 Sep 2025 16:59

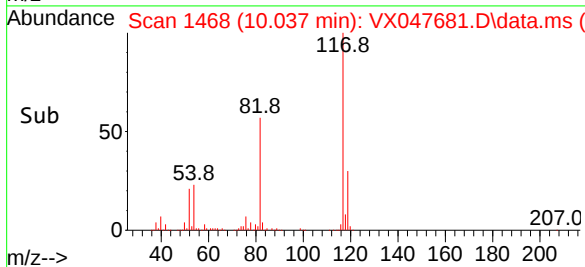
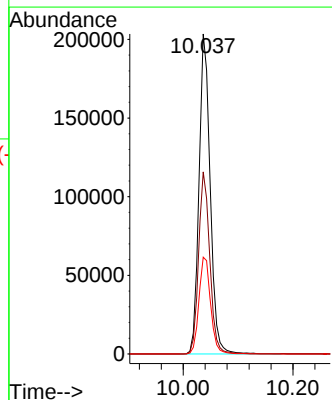
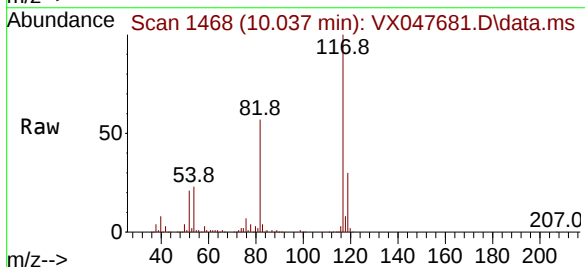
Tgt Ion: 117 Resp: 289018

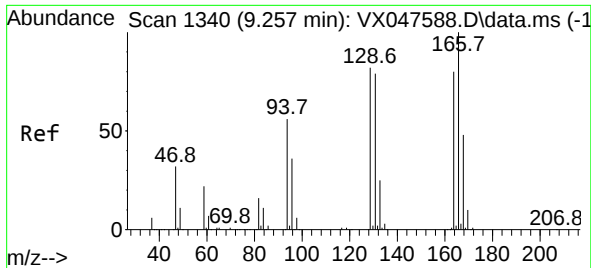
Ion Ratio Lower Upper

117 100

82 56.9 47.8 71.6

119 30.3 25.2 37.8

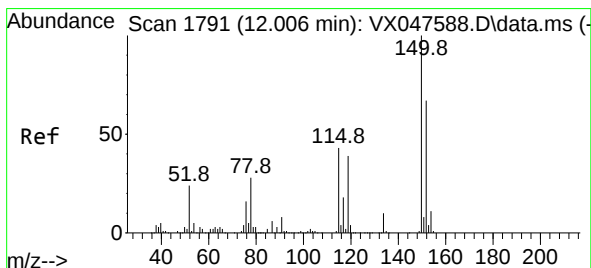
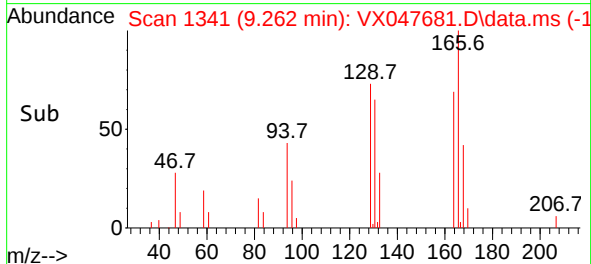
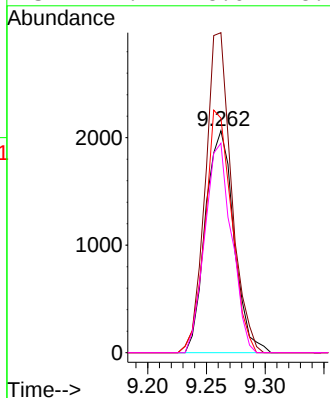
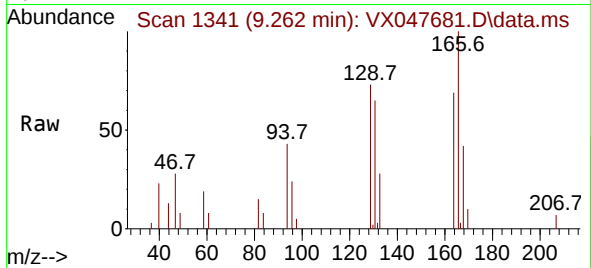




#64
Tetrachloroethene
Concen: 1.851 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

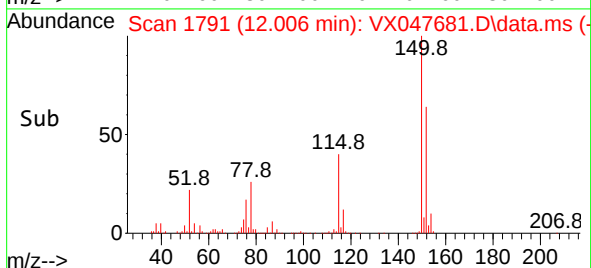
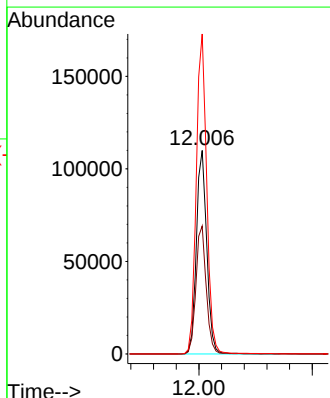
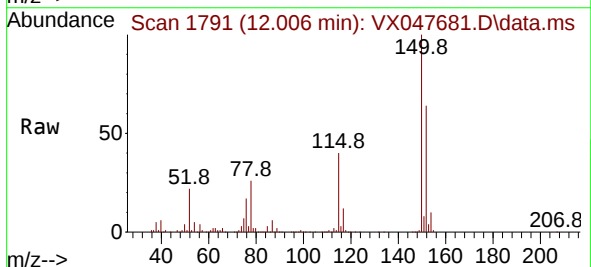
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20250911

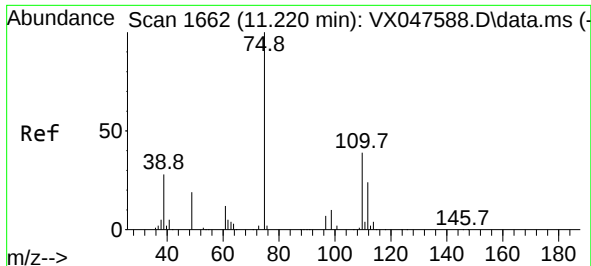
Tgt Ion:164 Resp: 3487
Ion Ratio Lower Upper
164 100
166 148.2 100.2 150.2
129 105.8 81.8 122.6
131 94.4 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion:152 Resp: 139300
Ion Ratio Lower Upper
152 100
115 62.9 44.9 134.5
150 158.3 0.0 352.0

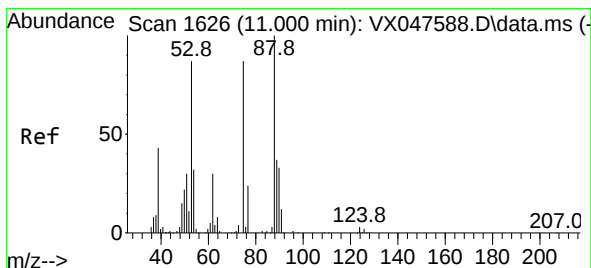
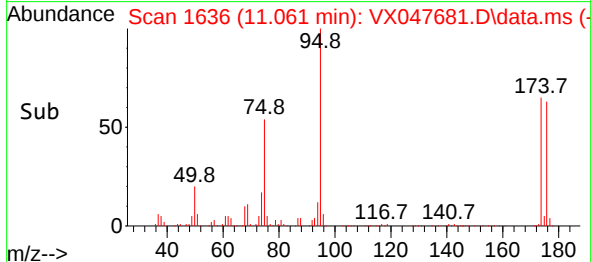
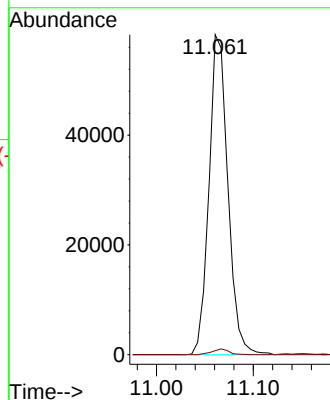
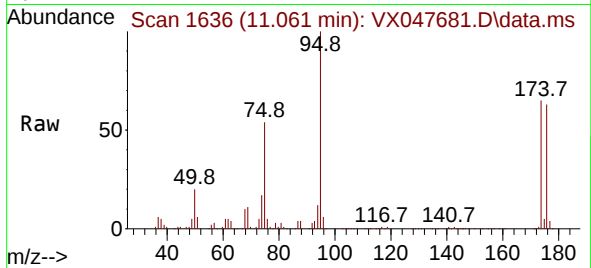




#76
1,2,3-Trichloropropane
Concen: 28.141 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20250911

Tgt Ion: 75 Resp: 79368
Ion Ratio Lower Upper
75 100
77 1.6 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.763 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047681.D
Acq: 19 Sep 2025 16:59

Tgt Ion: 75 Resp: 79368
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

