

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047682.D
 Acq On : 19 Sep 2025 17:20
 Operator : JC/MD
 Sample : Q3097-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20250911

Quant Time: Sep 20 00:35:45 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

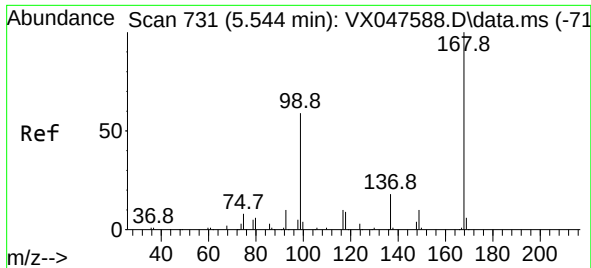
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	177366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	154805	54.833	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.660%		
35) Dibromofluoromethane	5.379	113	114498	51.567	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.140%		
50) Toluene-d8	8.635	98	398884	51.918	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.840%		
62) 4-Bromofluorobenzene	11.061	95	150938	51.766	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 103.540%		
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	3249	1.584	ug/l	95
11) Tert butyl alcohol	2.953	59	358	1.139	ug/l #	72
16) Acetone	2.380	43	2868	2.336	ug/l #	87
20) Methylene Chloride	2.794	84	560	0.216	ug/l #	64
31) Cyclohexane	5.538	56	3967	1.063	ug/l #	9
36) 1,1-Dichloropropene	5.538	75	15318	4.721	ug/l #	50
38) Carbon Tetrachloride	5.538	117	19740	5.600	ug/l #	17
39) Methylcyclohexane	7.111	83	756	0.205	ug/l #	1
44) Trichloroethene	7.117	130	37389	15.694	ug/l	90
51) 4-Methyl-2-Pentanone	8.629	43	1989	0.630	ug/l #	1
60) Dibromochloromethane	9.257	129	541	0.201	ug/l #	11
64) Tetrachloroethene	9.257	164	399	0.207	ug/l #	77
76) 1,2,3-Trichloropropane	11.061	75	78877	26.673	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	78877	68.021	ug/l #	8

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

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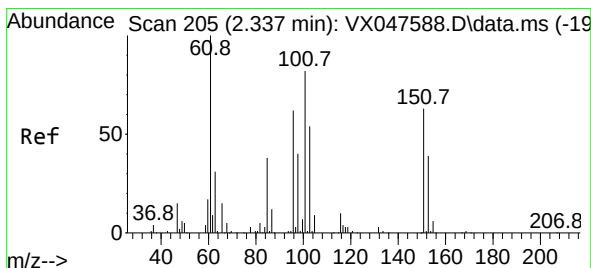
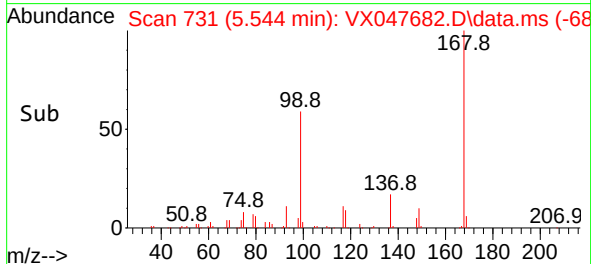
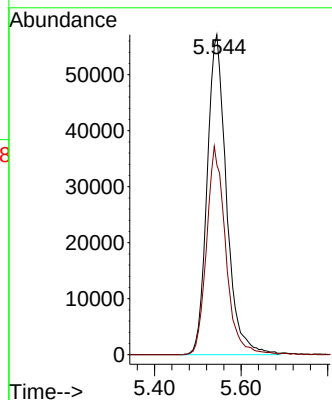
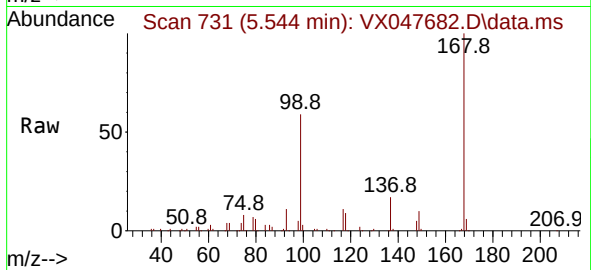




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047682.D
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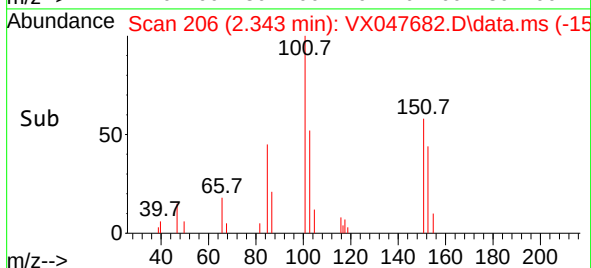
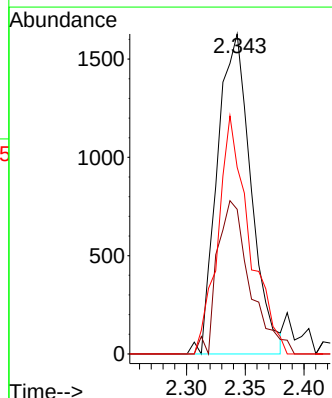
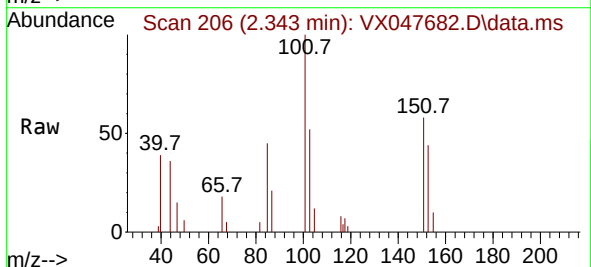
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250911

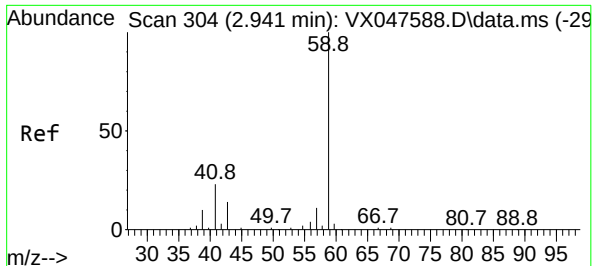
Tgt Ion:168 Resp: 177366
Ion Ratio Lower Upper
168 100
99 59.3 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.584 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion:101 Resp: 3249
Ion Ratio Lower Upper
101 100
85 46.8 35.5 53.3
151 69.4 59.4 89.0

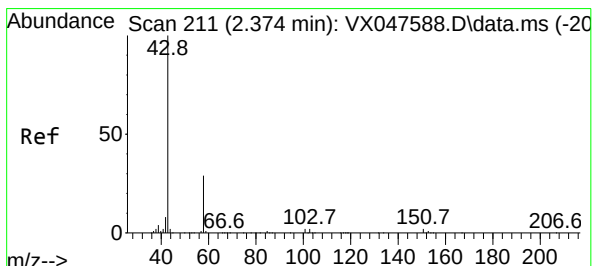
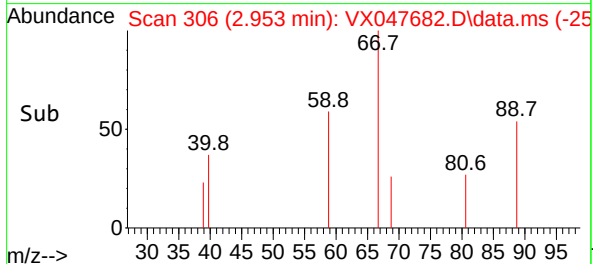
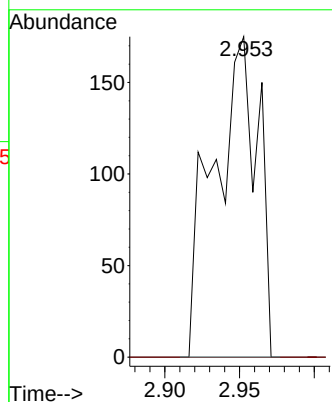
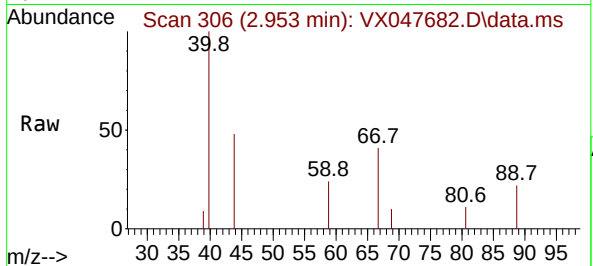




#11
Tert butyl alcohol
Concen: 1.139 ug/l
RT: 2.953 min Scan# 30
Delta R.T. 0.012 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

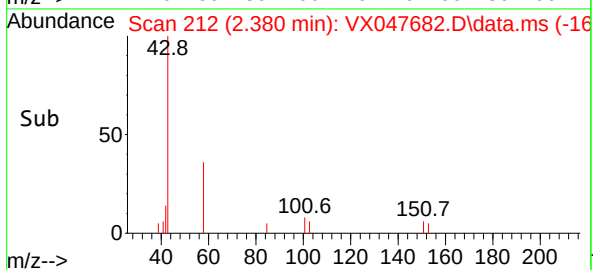
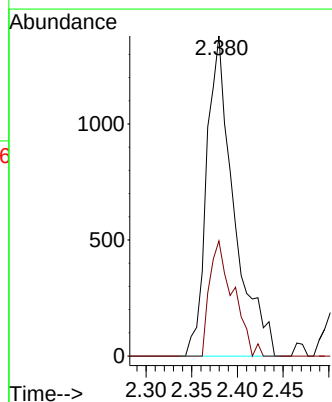
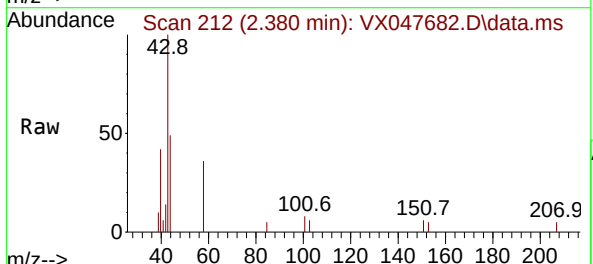
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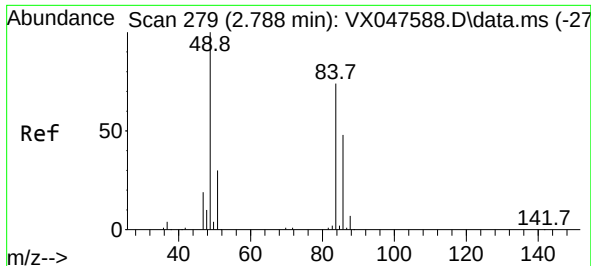
Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.336 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion: 43 Resp: 2868
Ion Ratio Lower Upper
43 100
58 36.0 23.4 35.0#

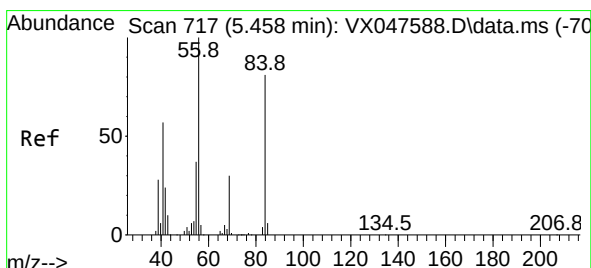
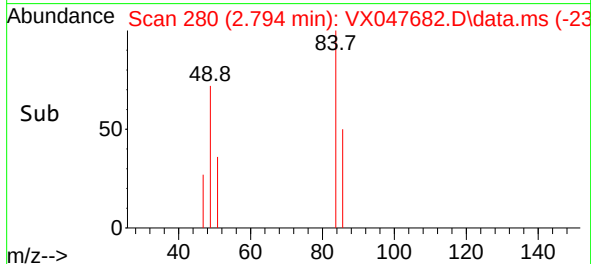
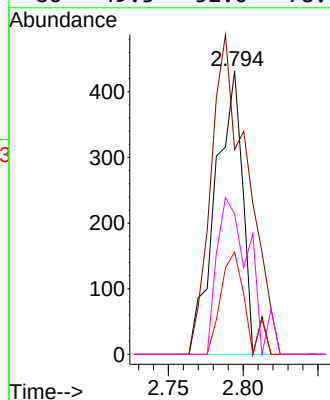
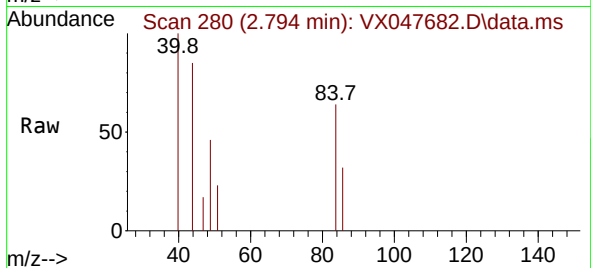




#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

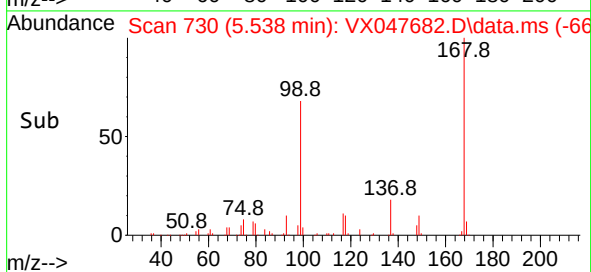
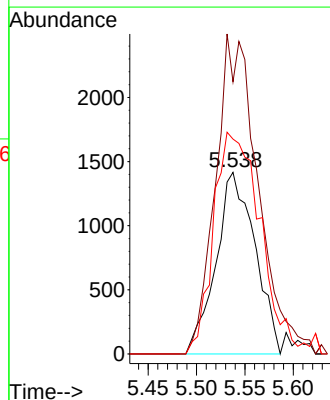
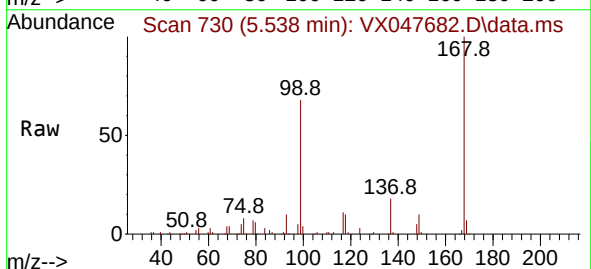
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250911

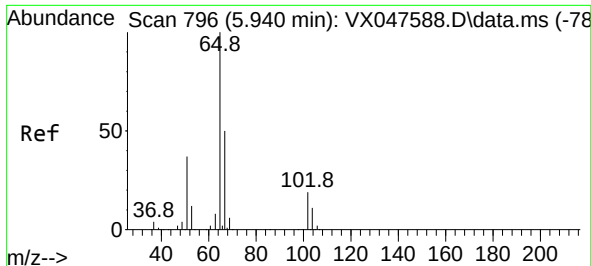
Tgt Ion:	84	Resp:	560
Ion	Ratio	Lower	Upper
84	100		
49	72.2	108.6	162.8#
51	36.1	32.6	48.8
86	49.5	52.0	78.0#



#31
Cyclohexane
Concen: 1.063 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion:	56	Resp:	3967
Ion	Ratio	Lower	Upper
56	100		
69	149.9	23.8	35.8#
84	118.4	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.833 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047682.D

Acq: 19 Sep 2025 17:20

Instrument :

MSVOA_X

ClientSampleId :

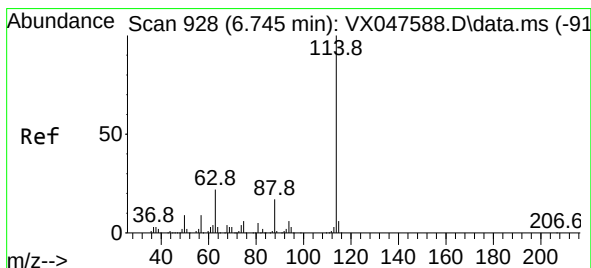
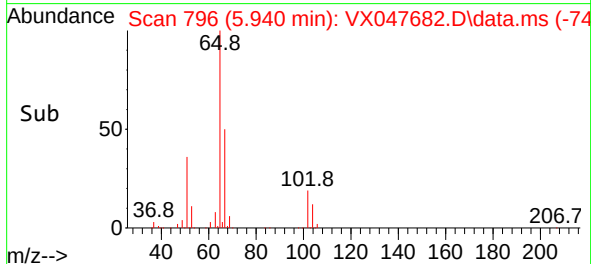
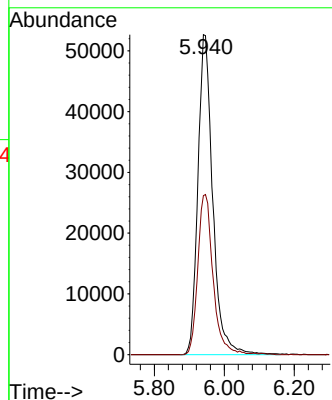
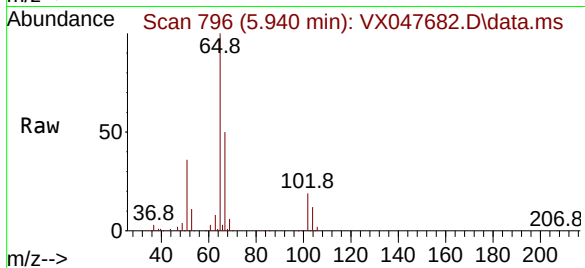
RE120D3-20250911

Tgt Ion: 65 Resp: 154805

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047682.D

Acq: 19 Sep 2025 17:20

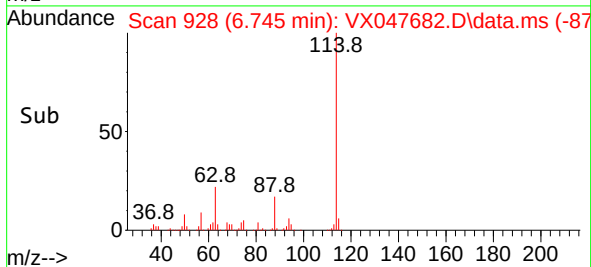
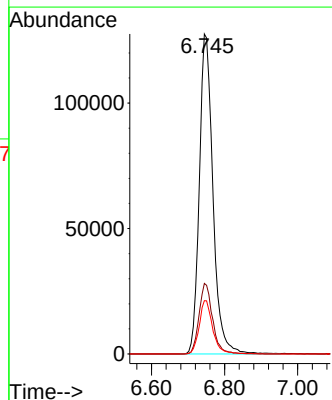
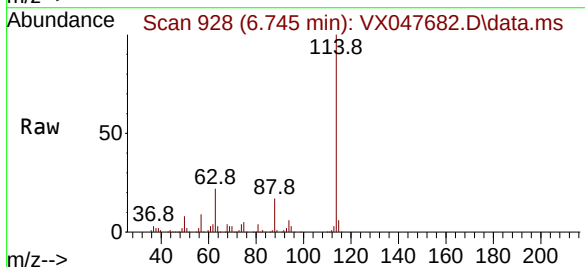
Tgt Ion: 114 Resp: 331074

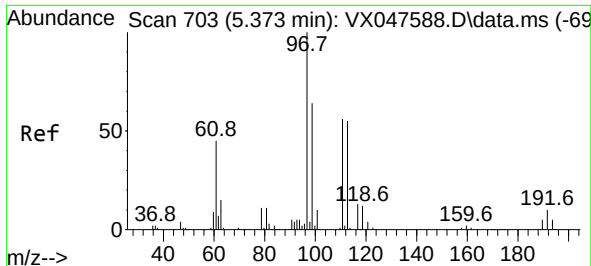
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.7 0.0 34.2

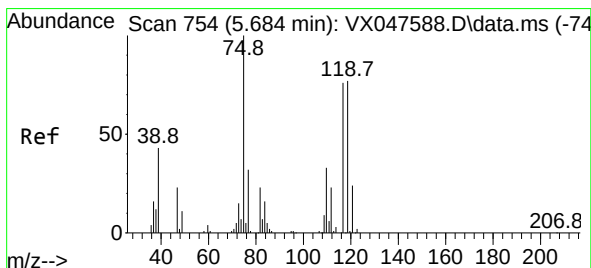
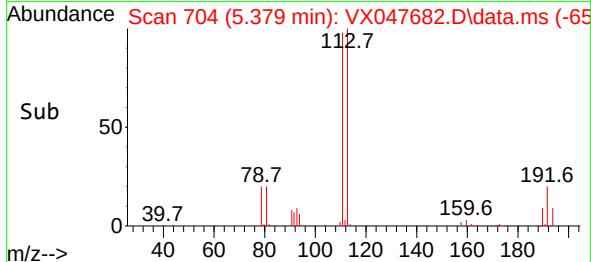
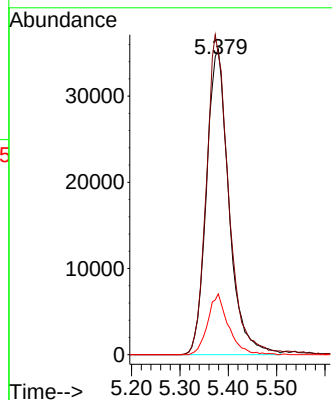
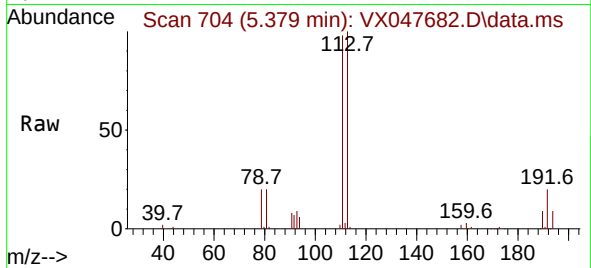




#35
Dibromofluoromethane
Concen: 51.567 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

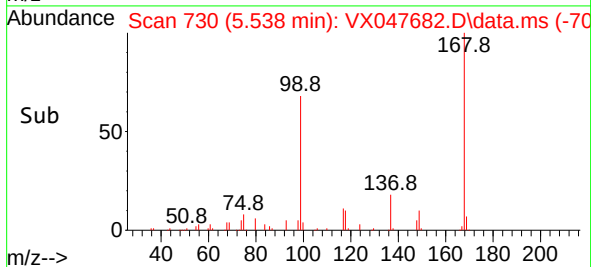
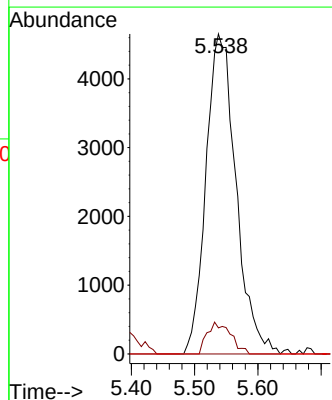
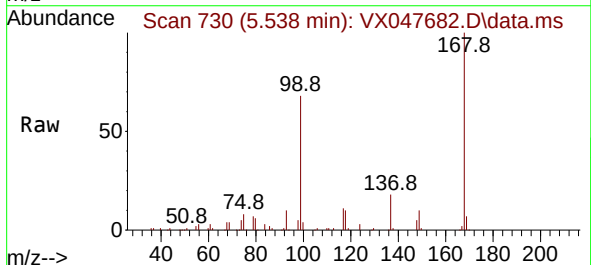
Instrument :
MSVOA_X
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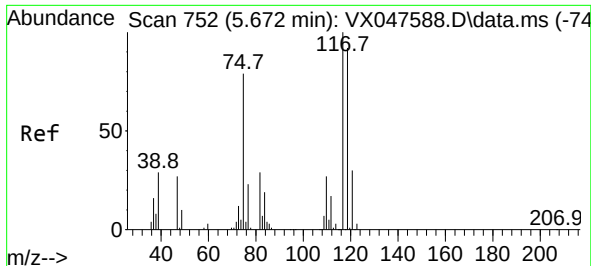
Tgt Ion:113 Resp: 114498
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 18.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion: 75 Resp: 15318
Ion Ratio Lower Upper
75 100
110 7.8 16.7 50.1#
77 0.0 24.3 36.5#

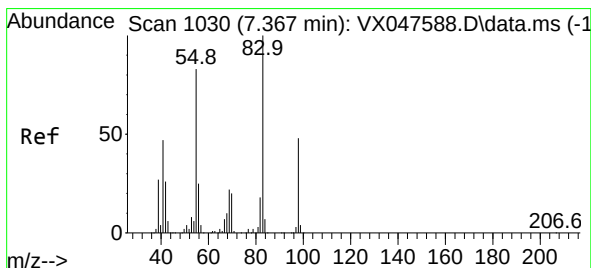
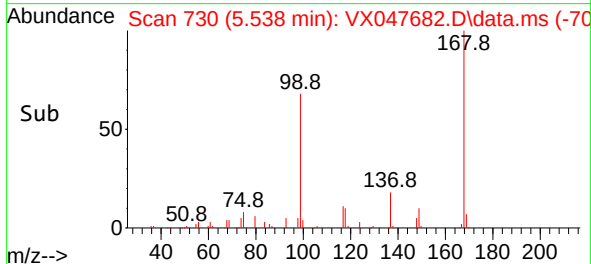
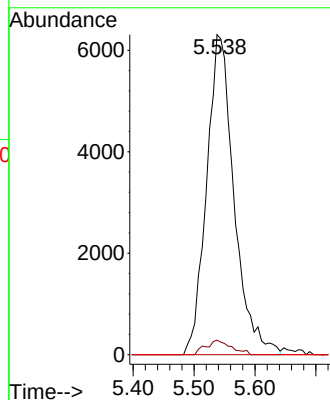
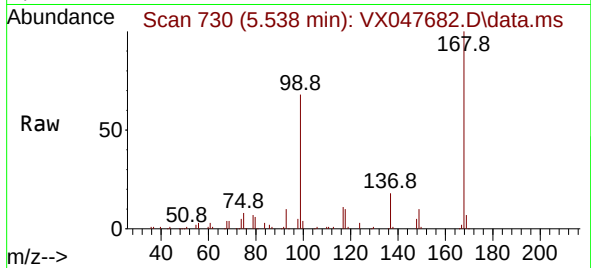




#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

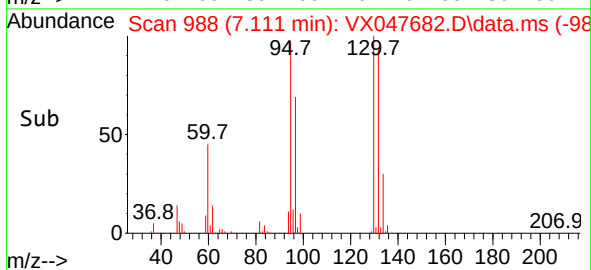
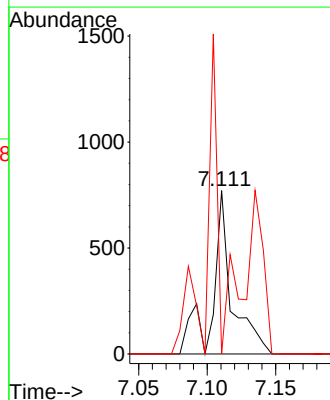
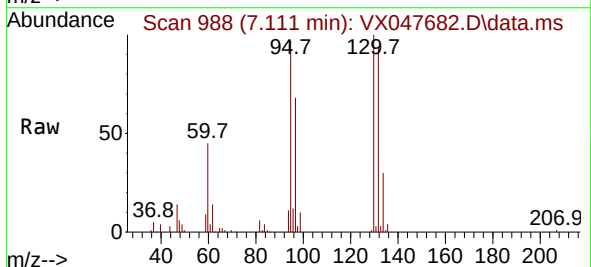
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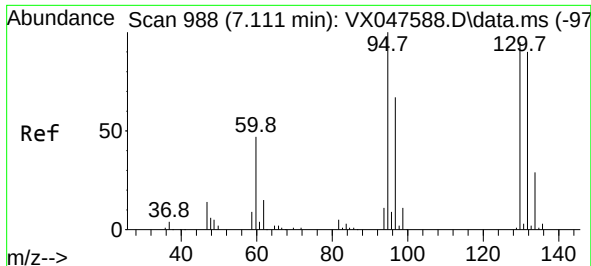
Tgt Ion:117 Resp: 19740
Ion Ratio Lower Upper
117 100
119 4.6 73.4 110.2#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.205 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.256 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion: 83 Resp: 756
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 213.4 38.1 57.1#

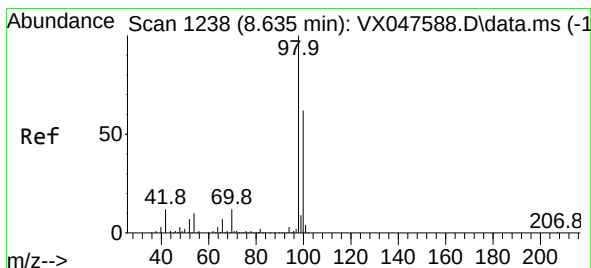
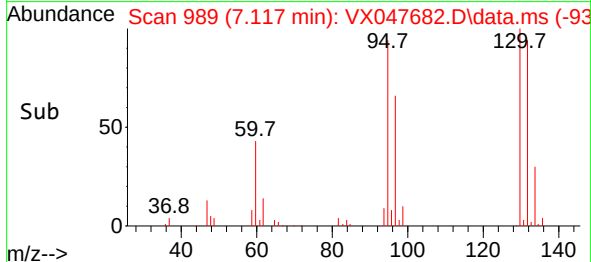
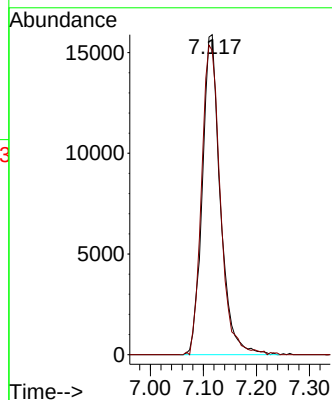
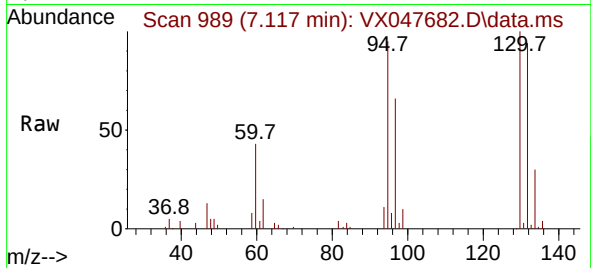




#44
Trichloroethene
Concen: 15.694 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

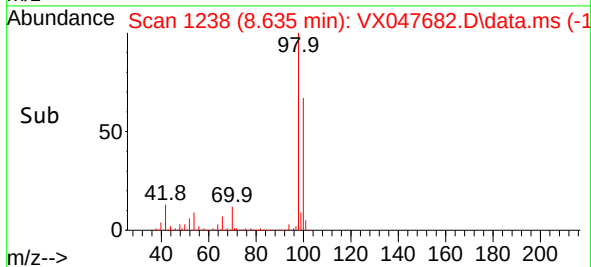
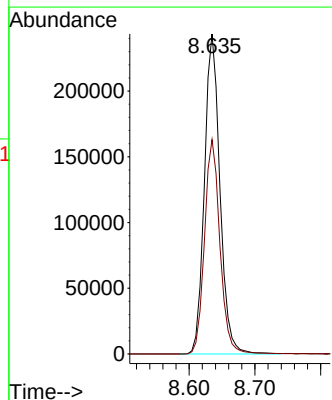
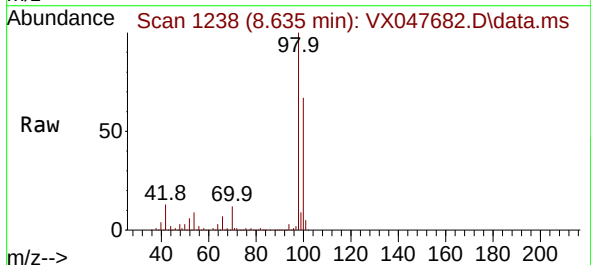
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250911

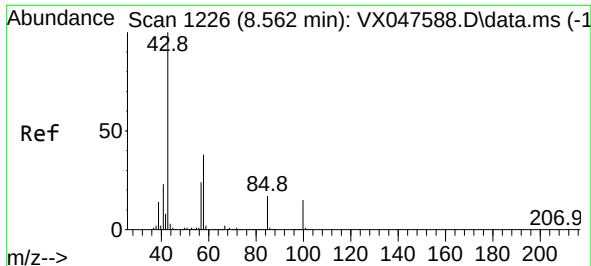
Tgt Ion:130 Resp: 37389
Ion Ratio Lower Upper
130 100
95 95.0 0.0 210.8



#50
Toluene-d8
Concen: 51.918 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion: 98 Resp: 398884
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4

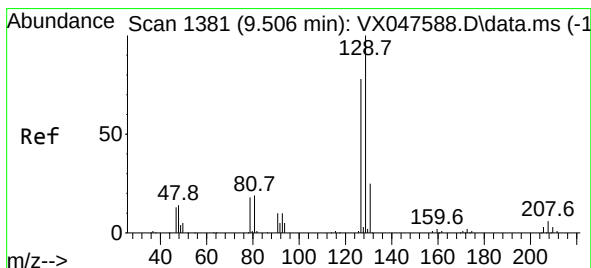
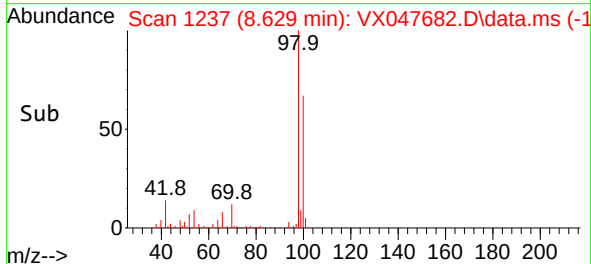
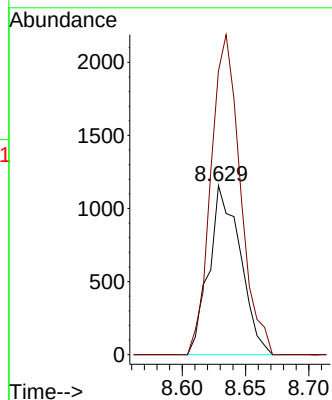
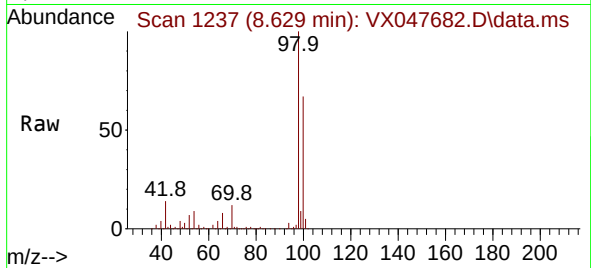




#51
4-Methyl-2-Pentanone
Concen: 0.630 ug/l
RT: 8.629 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

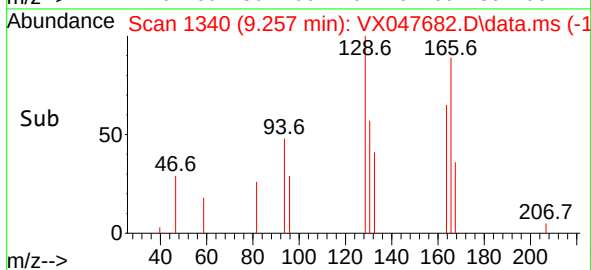
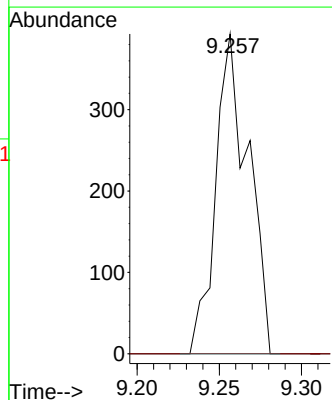
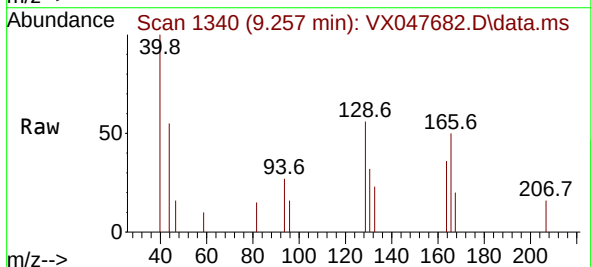
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250911

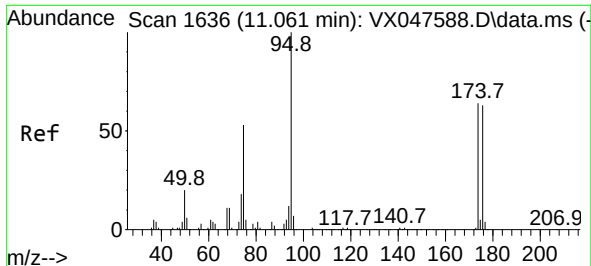
Tgt Ion: 43 Resp: 1989
Ion Ratio Lower Upper
43 100
58 177.9 30.3 45.5#



#60
Dibromochloromethane
Concen: 0.201 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion: 129 Resp: 541
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

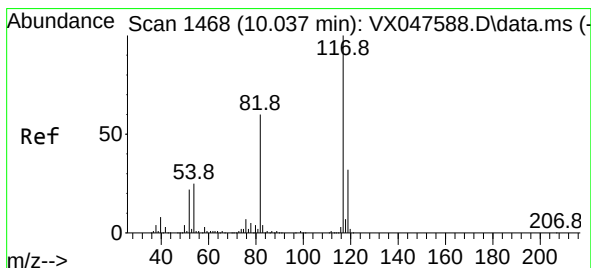
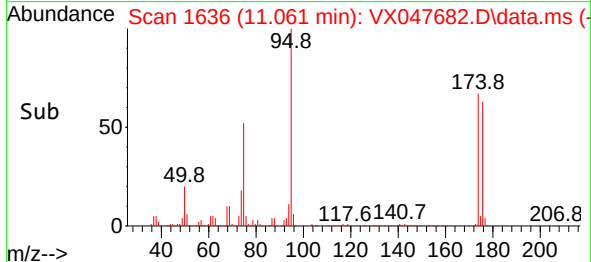
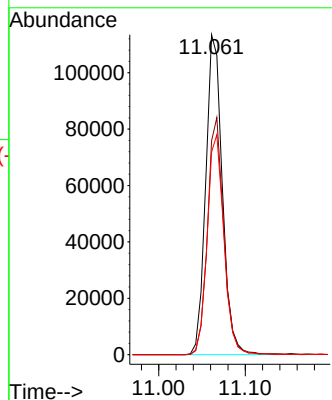
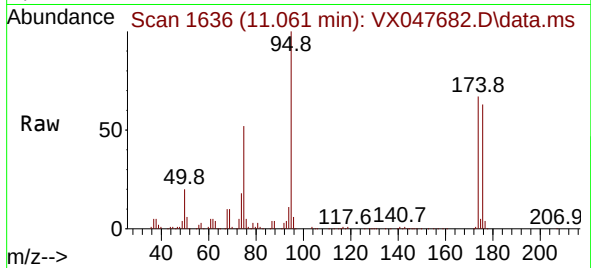




#62
4-Bromofluorobenzene
Concen: 51.766 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

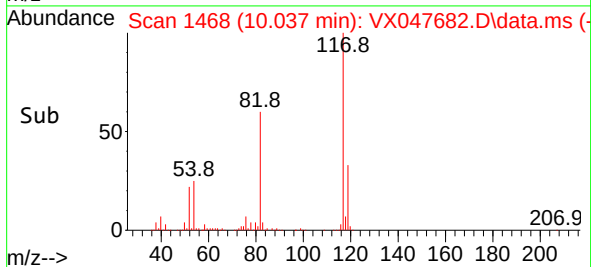
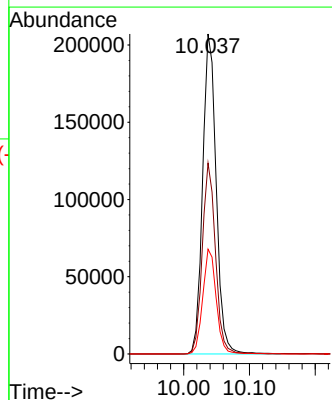
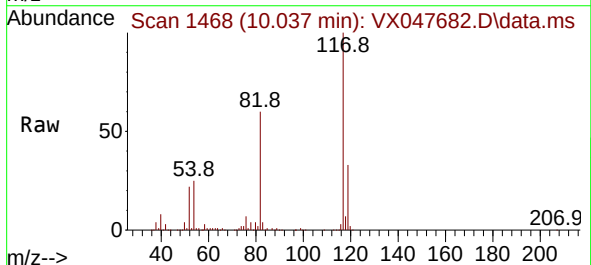
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250911

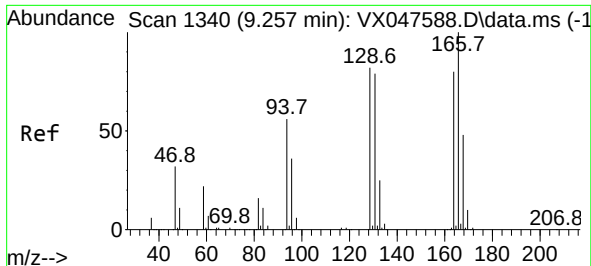
Tgt Ion: 95 Resp: 150938
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 69.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion: 117 Resp: 296220
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.6
119 32.8 25.2 37.8

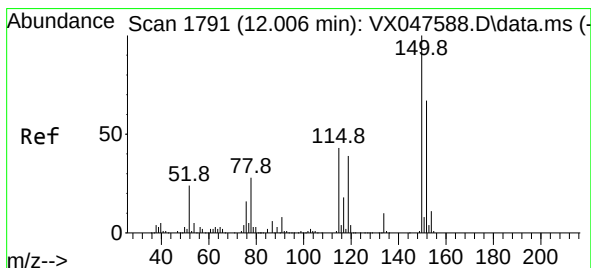
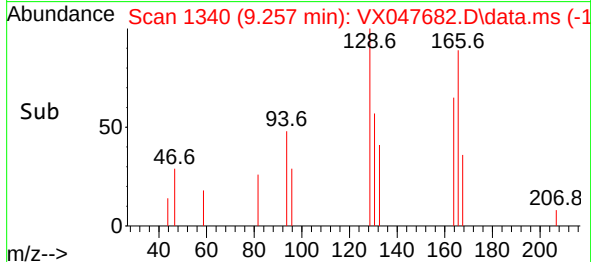
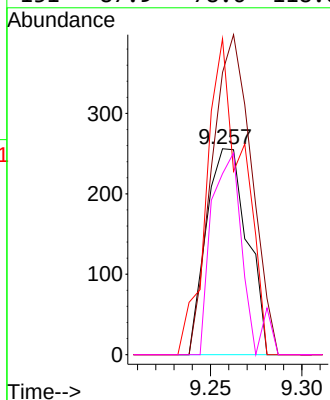
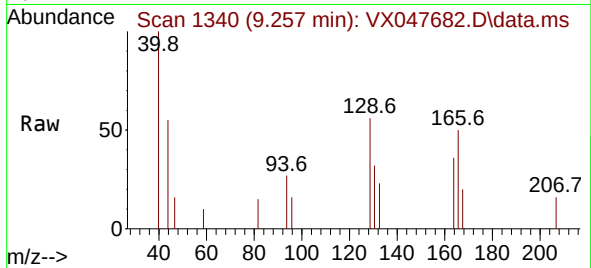




#64
Tetrachloroethene
Concen: 0.207 ug/l
RT: 9.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

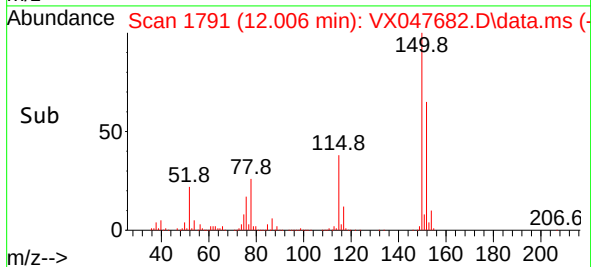
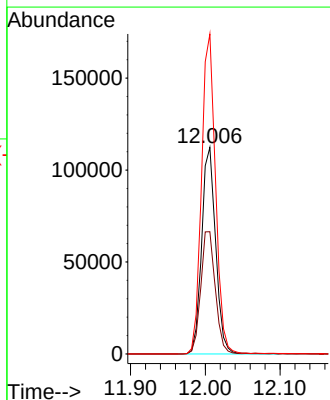
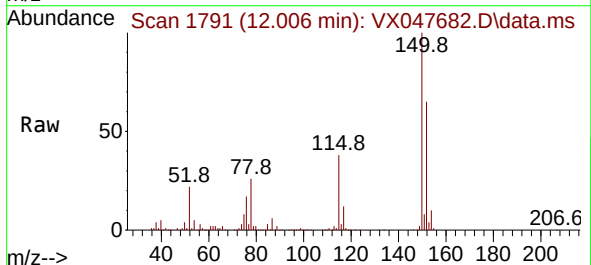
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250911

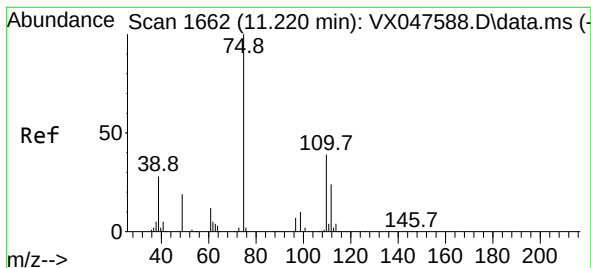
Tgt Ion:164	Resp:	399
Ion	Ratio	Lower Upper
164	100	
166	137.1	100.2 150.2
129	153.5	81.8 122.6#
131	87.9	78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047682.D
Acq: 19 Sep 2025 17:20

Tgt Ion:152	Resp:	146054
Ion	Ratio	Lower Upper
152	100	
115	61.8	44.9 134.5
150	154.7	0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 26.673 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX047682.D

Acq: 19 Sep 2025 17:20

Instrument :

MSVOA_X

ClientSampleId :

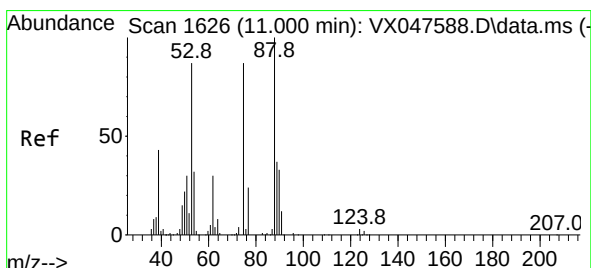
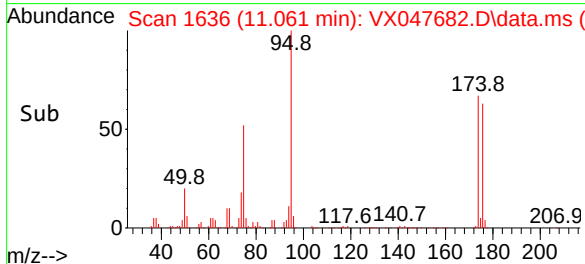
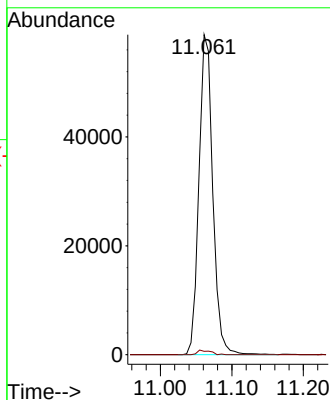
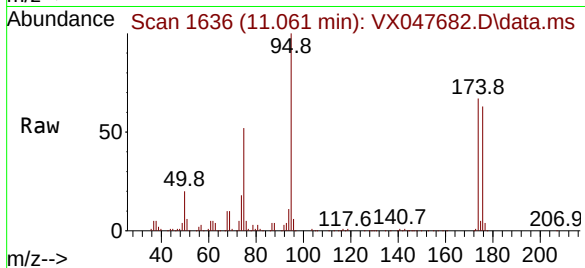
RE120D3-20250911

Tgt Ion: 75 Resp: 78877

Ion Ratio Lower Upper

75 100

77 1.3 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.021 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX047682.D

Acq: 19 Sep 2025 17:20

Tgt Ion: 75 Resp: 78877

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

