

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047680.D
 Acq On : 19 Sep 2025 16:38
 Operator : JC/MD
 Sample : Q3097-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20250911

Quant Time: Sep 20 00:34:54 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)

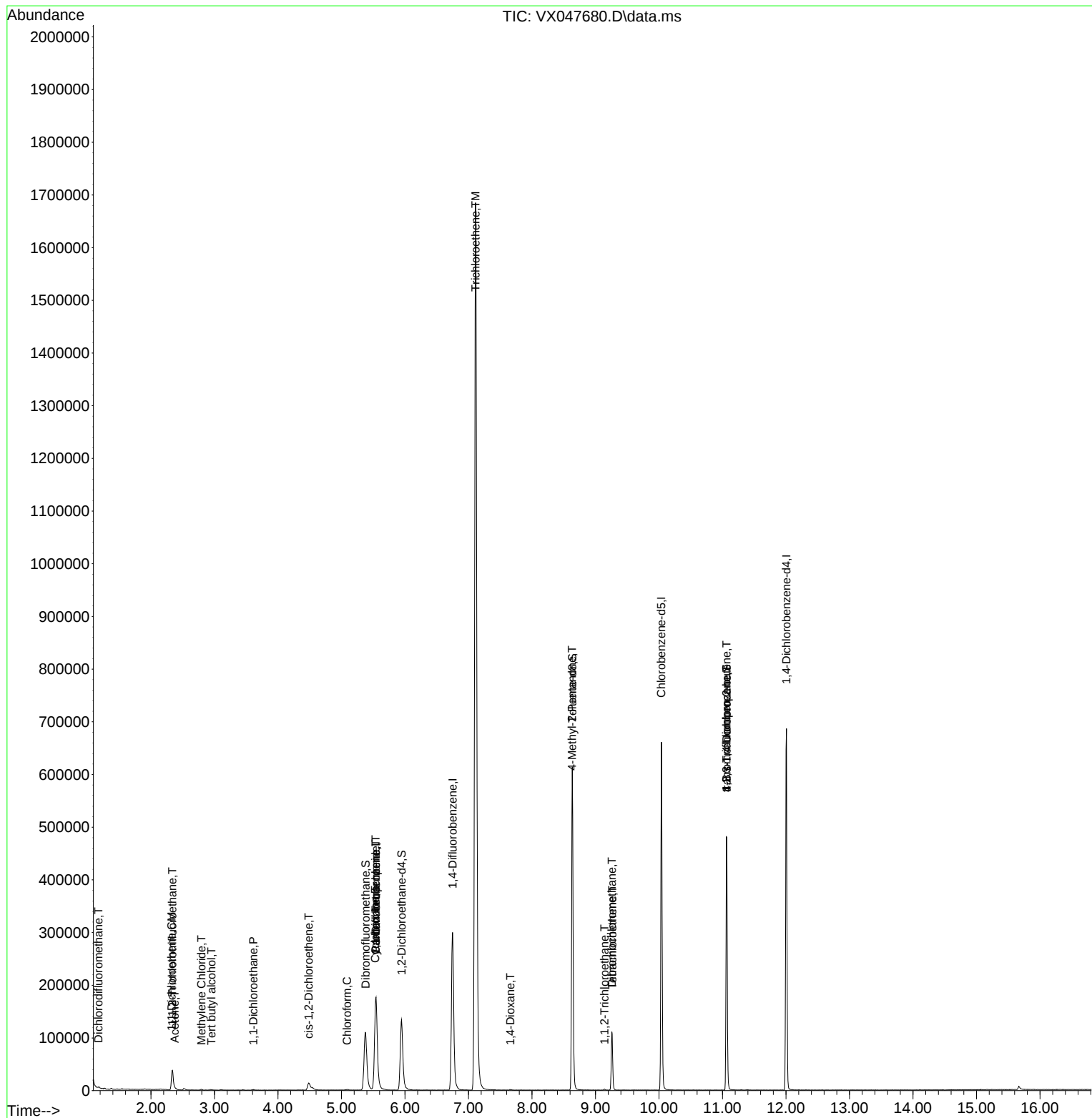
Internal Standards						
1) Pentafluorobenzene	5.544	168	176923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	328094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	143336	50.898	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.800%
35) Dibromofluoromethane	5.379	113	108463	49.293	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	8.635	98	367967	48.329	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.660%
62) 4-Bromofluorobenzene	11.061	95	142876	49.446	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	609	0.332	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.337	101	14050	6.866	ug/l	97
11) Tert butyl alcohol	2.953	59	127	0.405	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	4491	2.137	ug/l	95
16) Acetone	2.374	43	1953	1.595	ug/l	91
20) Methylene Chloride	2.794	84	682	0.263	ug/l #	85
24) 1,1-Dichloroethane	3.611	63	1678	0.376	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	9496	3.426	ug/l	90
30) Chloroform	5.087	83	910	0.202	ug/l	98
31) Cyclohexane	5.532	56	3898	1.047	ug/l #	8
36) 1,1-Dichloropropene	5.538	75	15509	4.824	ug/l #	51
38) Carbon Tetrachloride	5.538	117	19207	5.498	ug/l #	17
44) Trichloroethene	7.111	130	702899	297.717	ug/l	97
49) 1,4-Dioxane	7.659	88	709	24.945	ug/l	98
51) 4-Methyl-2-Pentanone	8.629	43	1636	0.523	ug/l #	1
55) 1,1,2-Trichloroethane	9.141	97	587	0.253	ug/l #	88
60) Dibromochloromethane	9.257	129	21773	8.145	ug/l #	11
64) Tetrachloroethene	9.263	164	21499	11.182	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	73712	25.280	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	73712	64.468	ug/l #	8

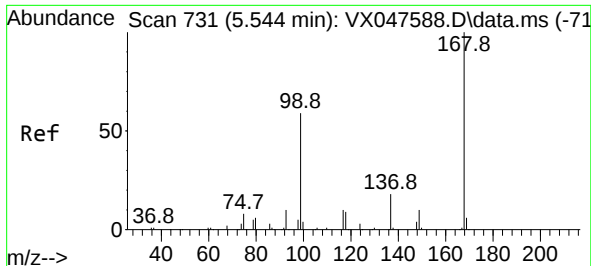
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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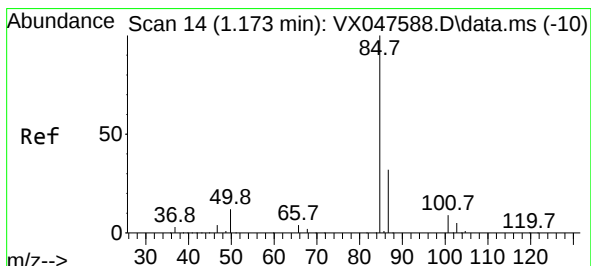
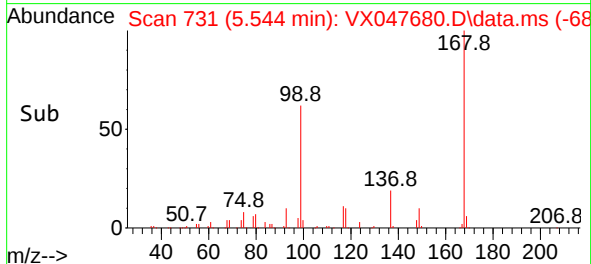
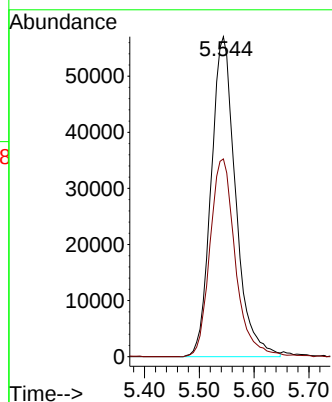
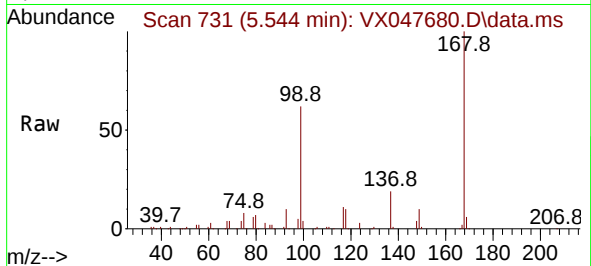




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

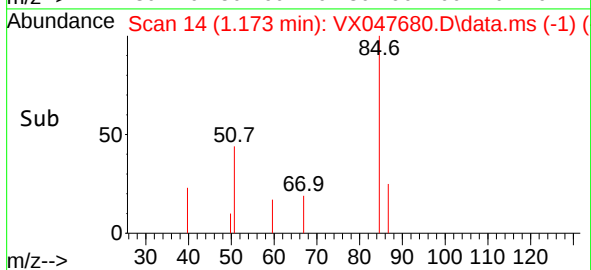
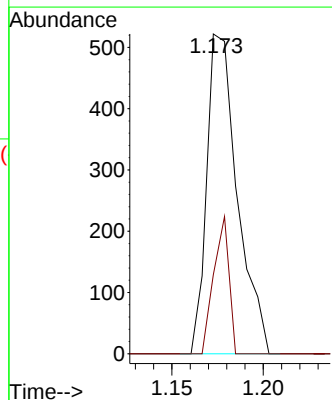
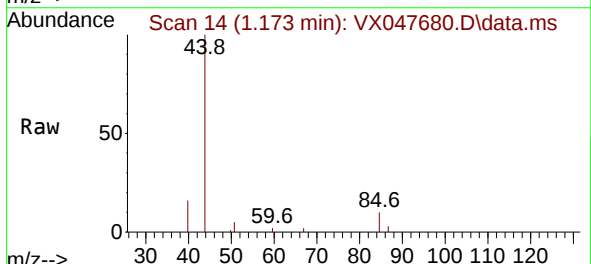
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250911

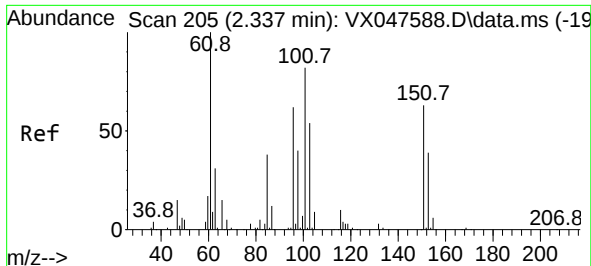
Tgt Ion:168 Resp: 176923
Ion Ratio Lower Upper
168 100
99 61.8 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.332 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion: 85 Resp: 609
Ion Ratio Lower Upper
85 100
87 24.7 15.8 47.3

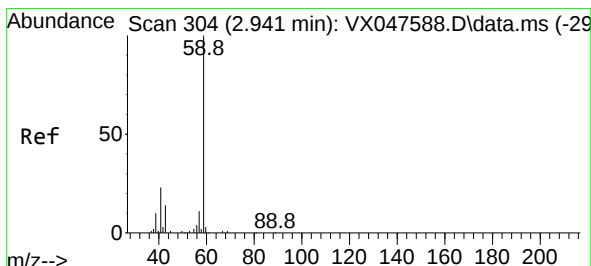
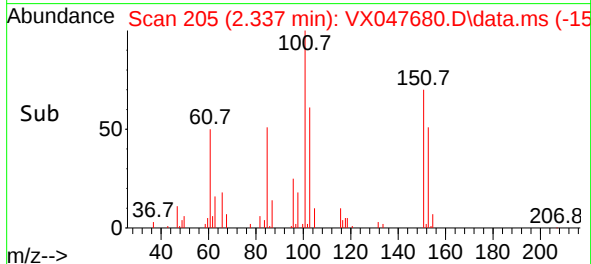
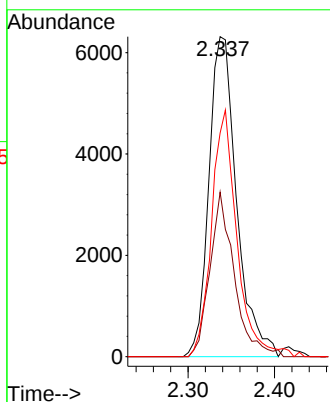
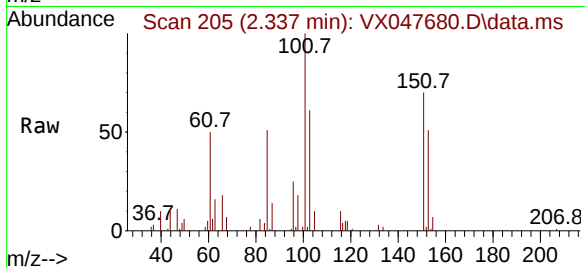




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.866 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

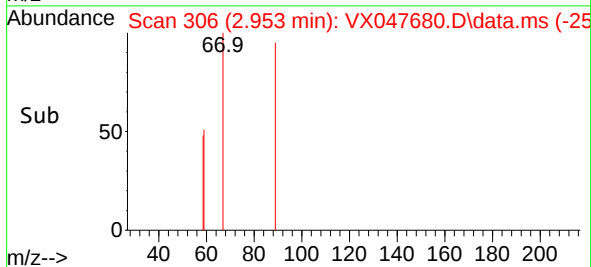
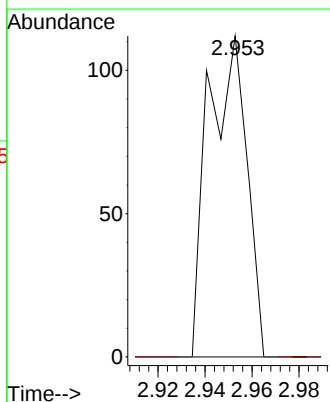
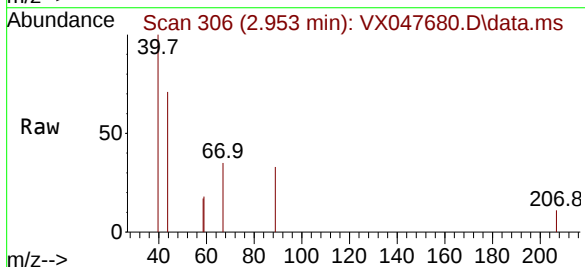
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250911

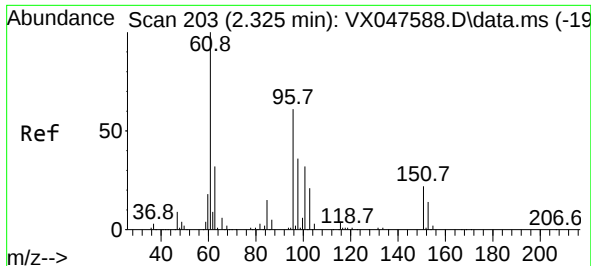
Tgt Ion:101 Resp: 14050
Ion Ratio Lower Upper
101 100
85 45.4 35.5 53.3
151 70.8 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.405 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 2.137 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX047680.D

Acq: 19 Sep 2025 16:38

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20250911

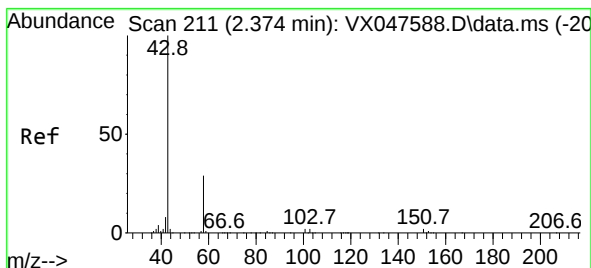
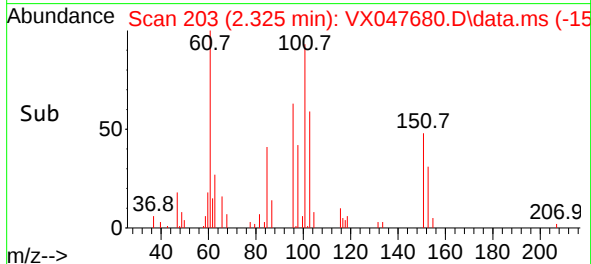
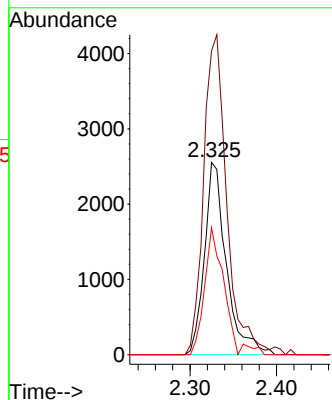
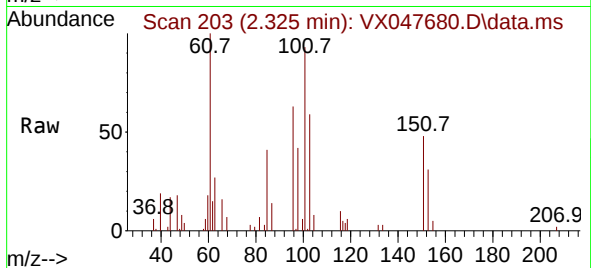
Tgt Ion: 96 Resp: 4491

Ion Ratio Lower Upper

96 100

61 158.0 131.0 196.6

98 66.0 47.7 71.5



#16

Acetone

Concen: 1.595 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX047680.D

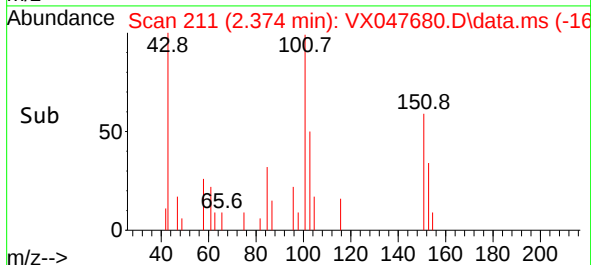
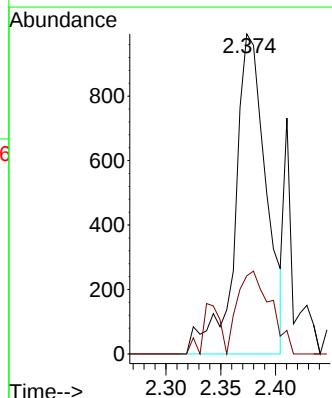
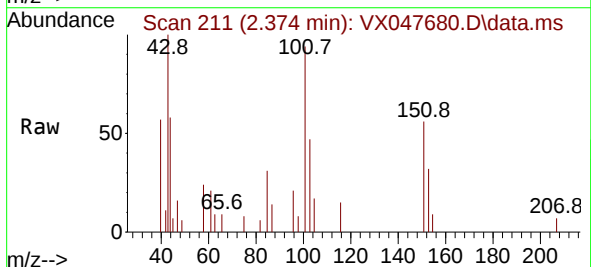
Acq: 19 Sep 2025 16:38

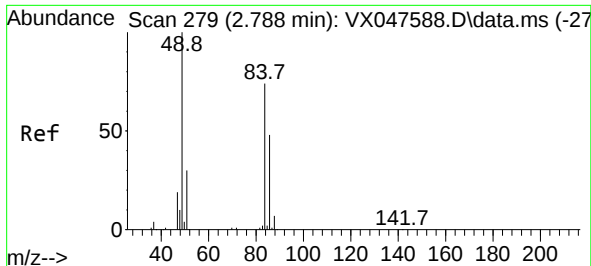
Tgt Ion: 43 Resp: 1953

Ion Ratio Lower Upper

43 100

58 24.4 23.4 35.0

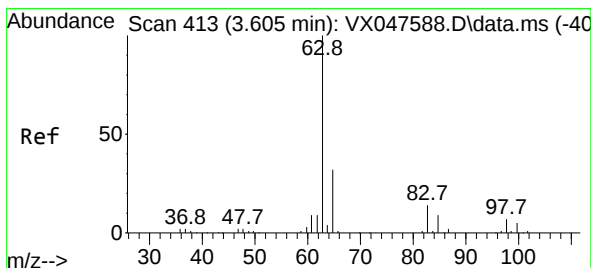
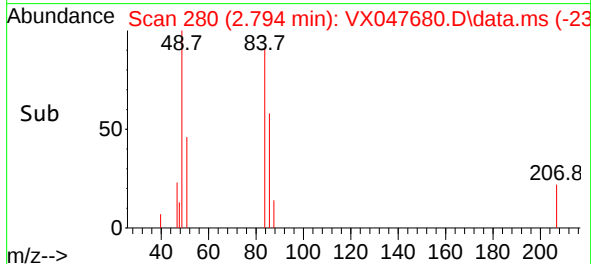
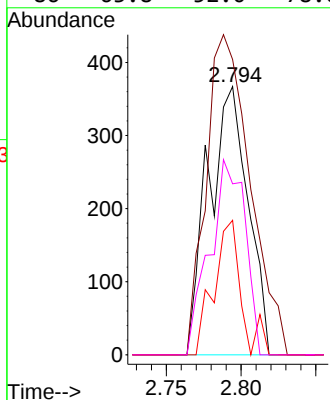
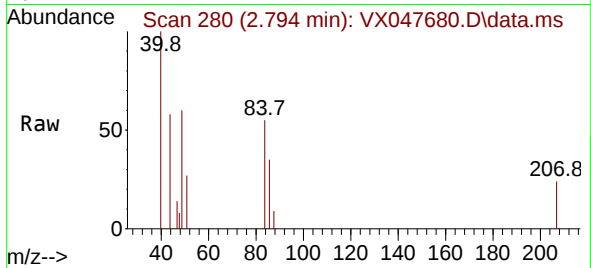




#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

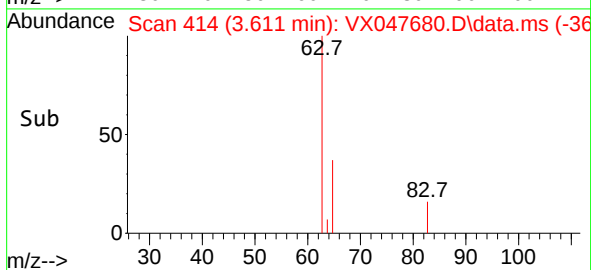
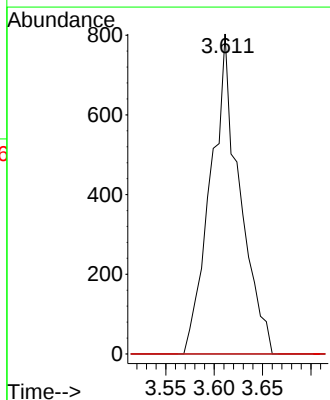
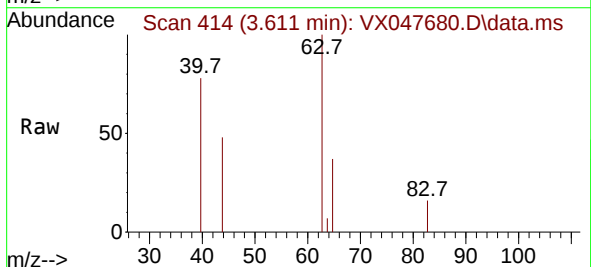
Instrument :
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ClientSampleId :
RE125D2-20250911

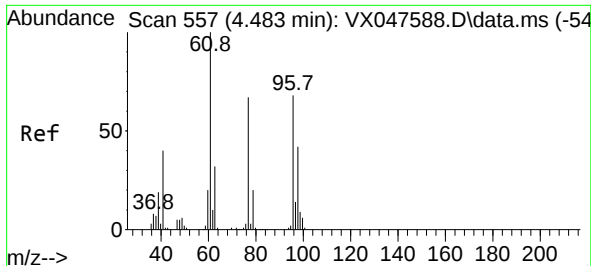
Tgt Ion:	84	Resp:	682
Ion	Ratio	Lower	Upper
84	100		
49	110.1	108.6	162.8
51	50.1	32.6	48.8#
86	63.8	52.0	78.0



#24
1,1-Dichloroethane
Concen: 0.376 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion:	63	Resp:	1678
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.3	6.9#

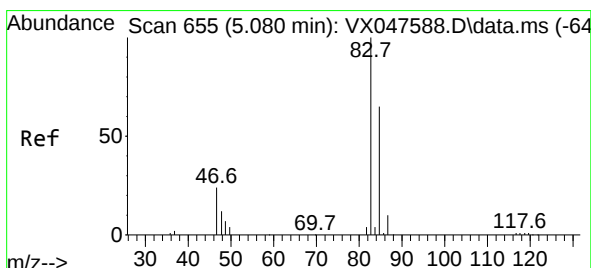
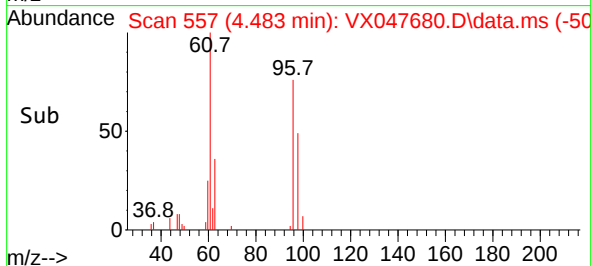
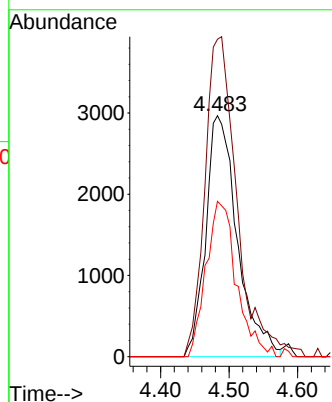
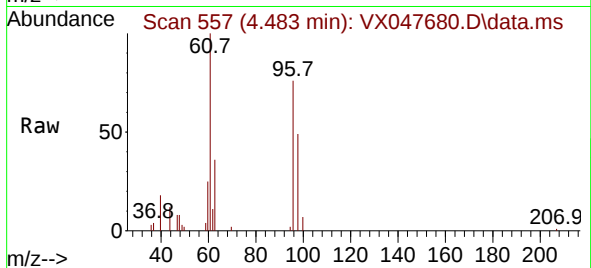




#27
 cis-1,2-Dichloroethene
 Concen: 3.426 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX047680.D
 Acq: 19 Sep 2025 16:38

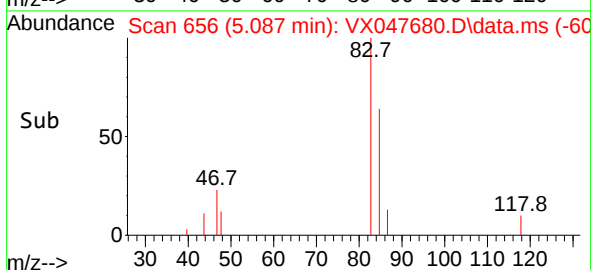
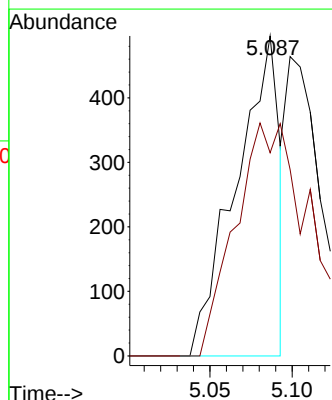
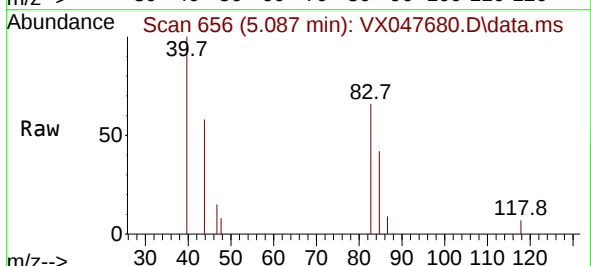
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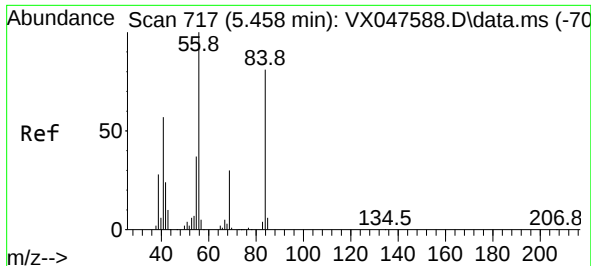
Tgt Ion:	96	Resp:	9496
Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	303.2
98	62.1	0.0	127.8



#30
 Chloroform
 Concen: 0.202 ug/l
 RT: 5.087 min Scan# 656
 Delta R.T. 0.006 min
 Lab File: VX047680.D
 Acq: 19 Sep 2025 16:38

Tgt Ion:	83	Resp:	910
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6

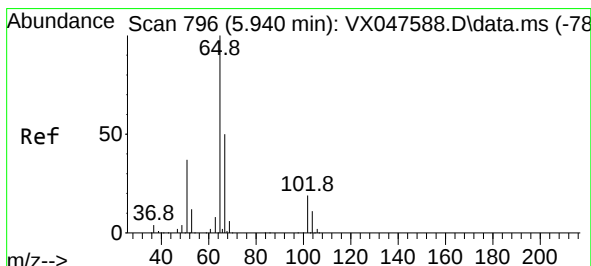
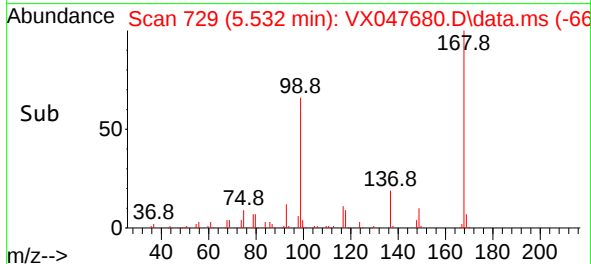
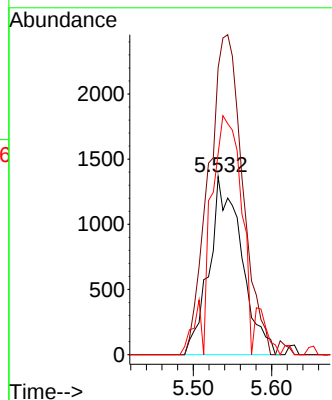
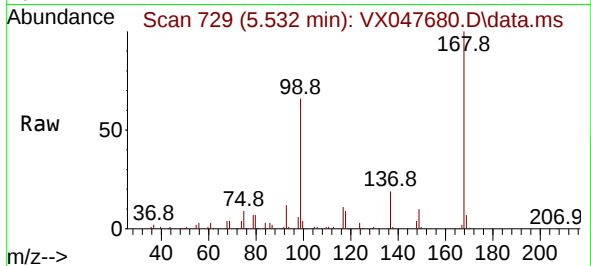




#31
Cyclohexane
Concen: 1.047 ug/l
RT: 5.532 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

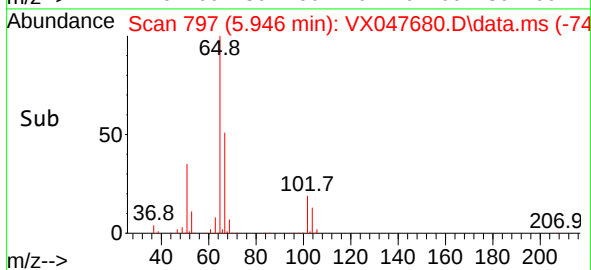
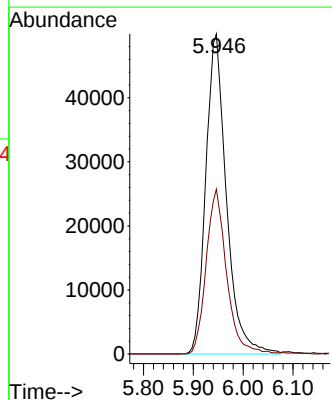
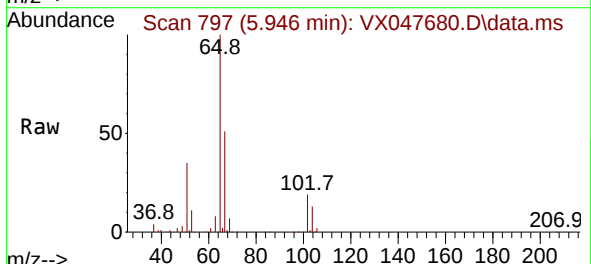
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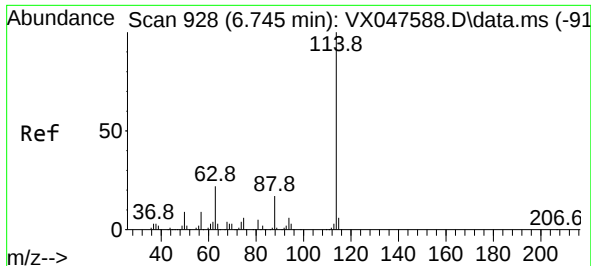
Tgt Ion: 56 Resp: 3898
Ion Ratio Lower Upper
56 100
69 161.1 23.8 35.8#
84 112.9 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.898 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion: 65 Resp: 143336
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0

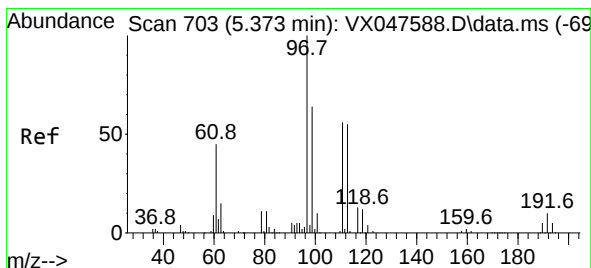
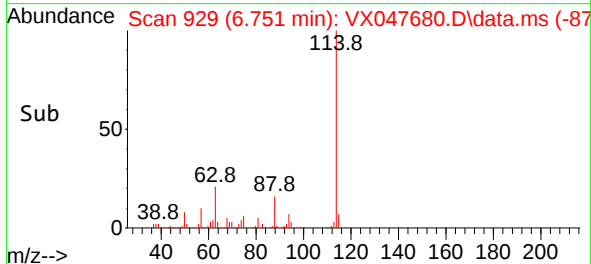
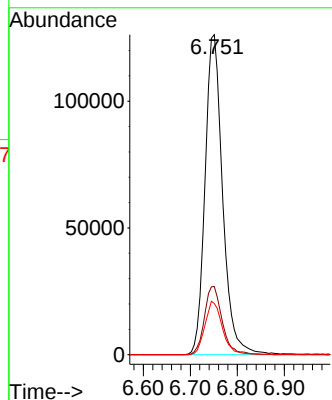
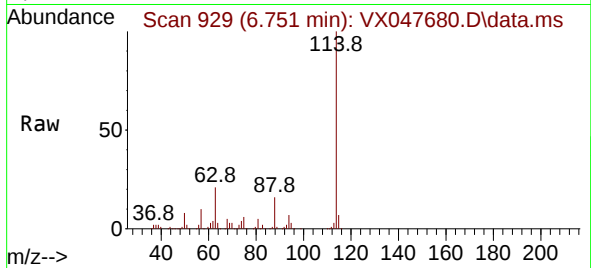




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

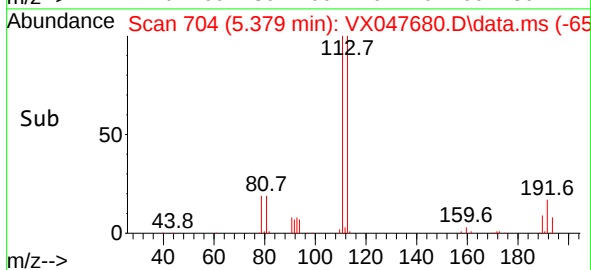
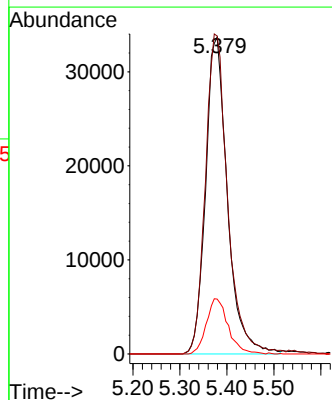
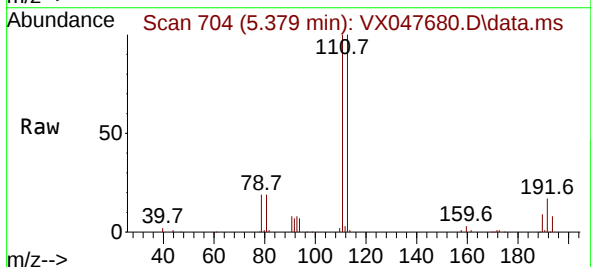
Instrument :
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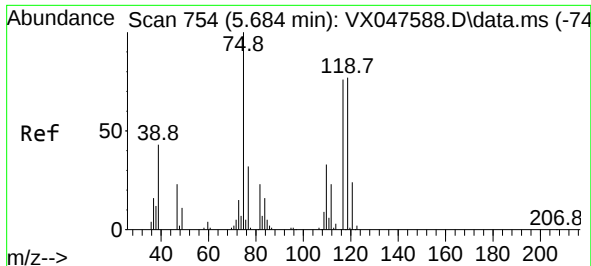
Tgt Ion:114 Resp: 328094
Ion Ratio Lower Upper
114 100
63 21.3 0.0 44.0
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.293 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion:113 Resp: 108463
Ion Ratio Lower Upper
113 100
111 103.0 80.9 121.3
192 17.4 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047680.D

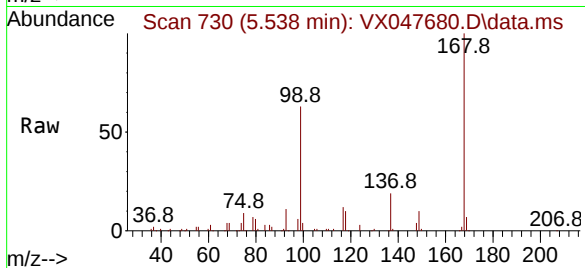
Acq: 19 Sep 2025 16:38

Instrument :

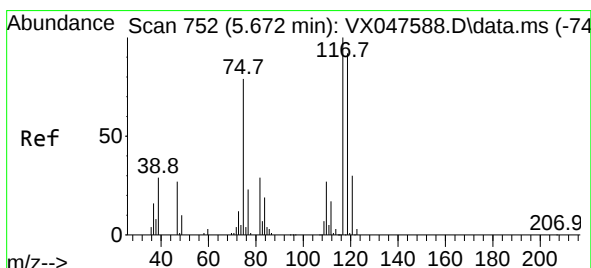
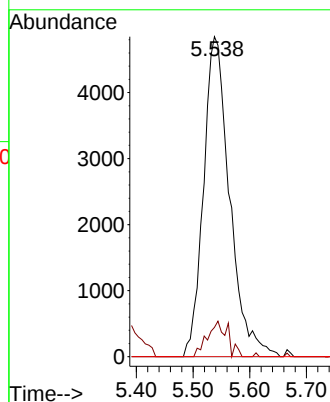
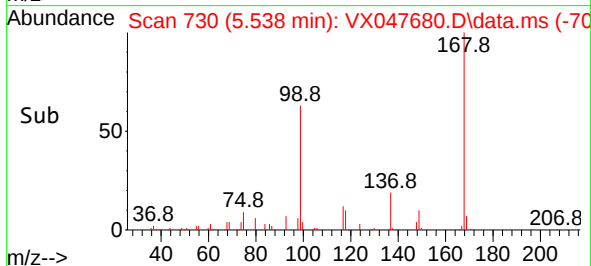
MSVOA_X

ClientSampleId :

RE125D2-20250911



Tgt Ion:	75	Resp:	15509
Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.7	50.1#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 5.498 ug/l

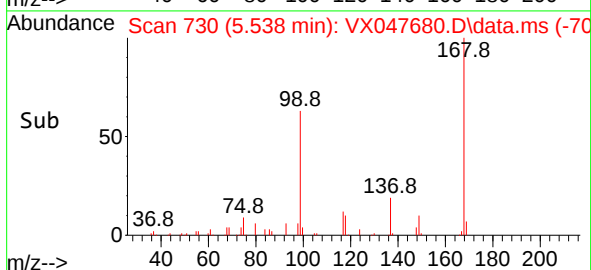
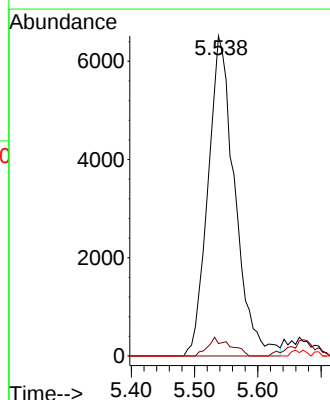
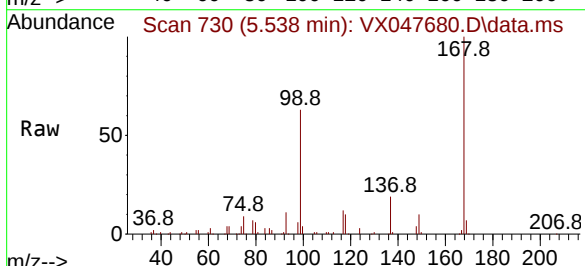
RT: 5.538 min Scan# 730

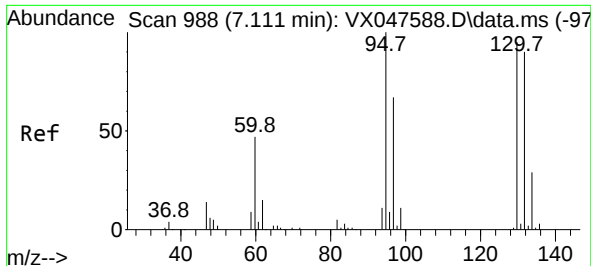
Delta R.T. -0.134 min

Lab File: VX047680.D

Acq: 19 Sep 2025 16:38

Tgt Ion:	117	Resp:	19207
Ion	Ratio	Lower	Upper
117	100		
119	3.9	73.4	110.2#
121	0.0	23.8	35.6#

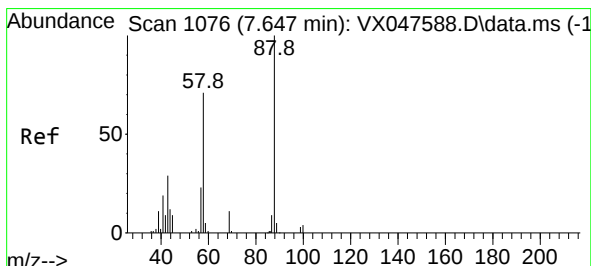
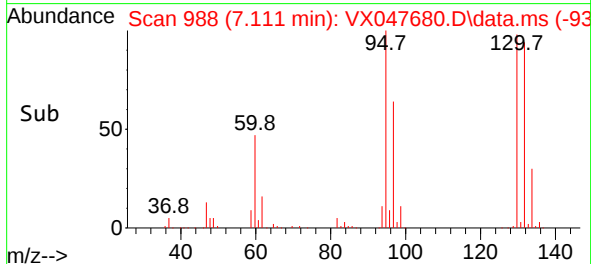
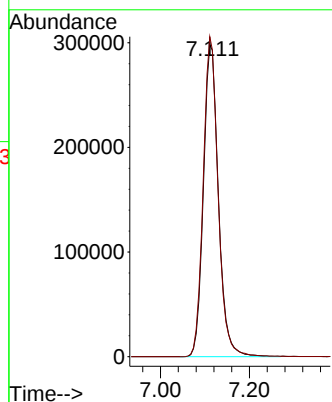
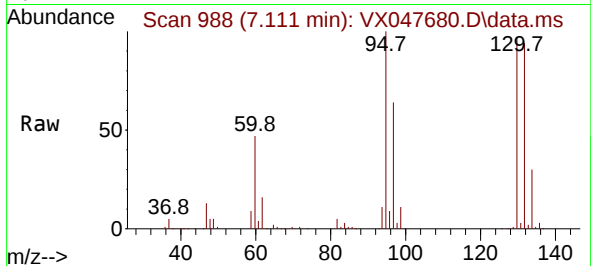




#44
Trichloroethene
Concen: 297.717 ug/l
RT: 7.111 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

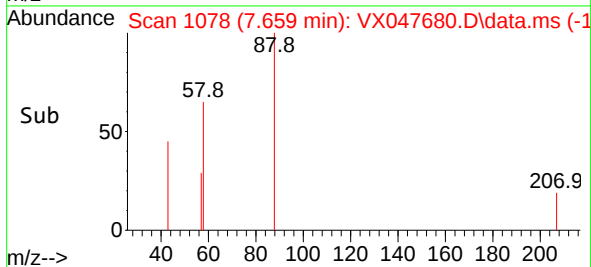
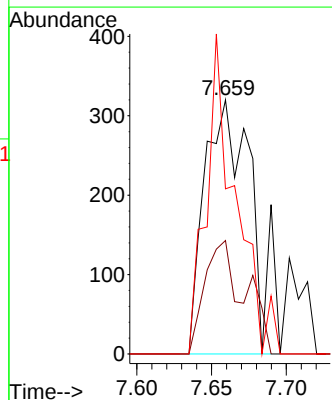
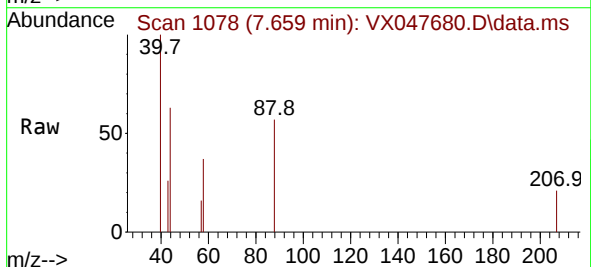
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250911

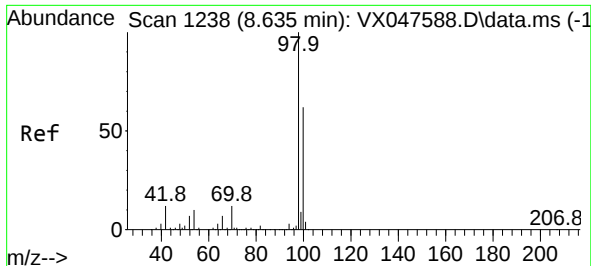
Tgt Ion:130 Resp: 702899
Ion Ratio Lower Upper
130 100
95 102.6 0.0 210.8



#49
1,4-Dioxane
Concen: 24.945 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion: 88 Resp: 709
Ion Ratio Lower Upper
88 100
43 37.1 30.2 45.2
58 77.2 59.5 89.3

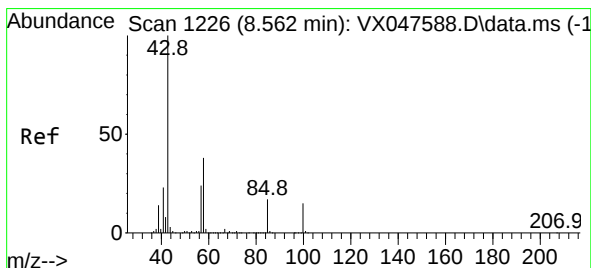
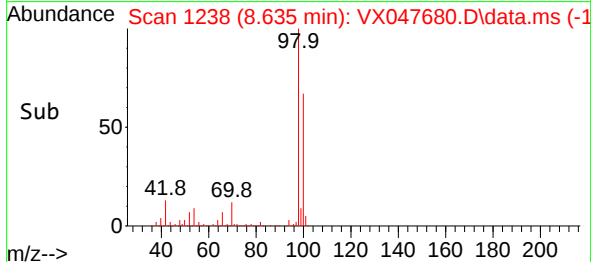
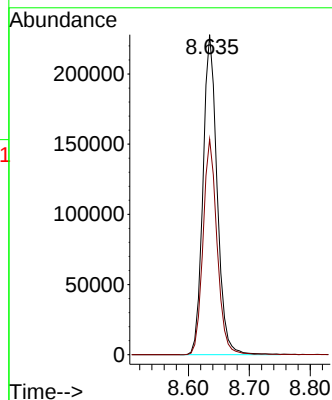
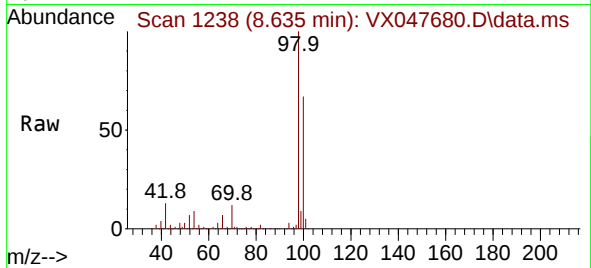




#50
Toluene-d8
Concen: 48.329 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

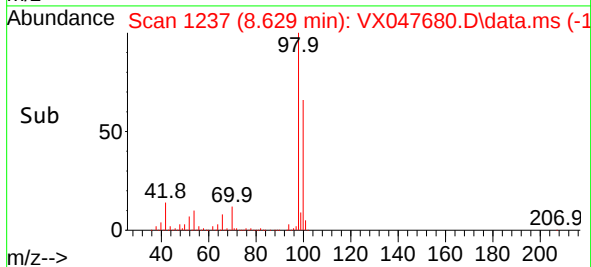
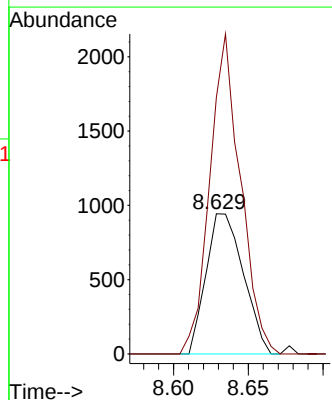
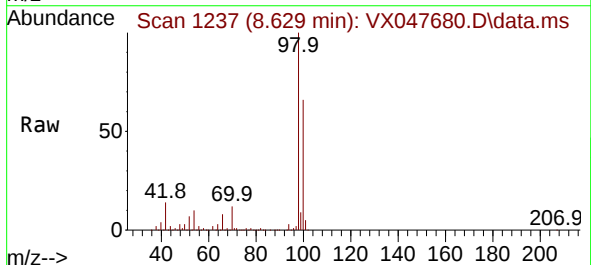
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250911

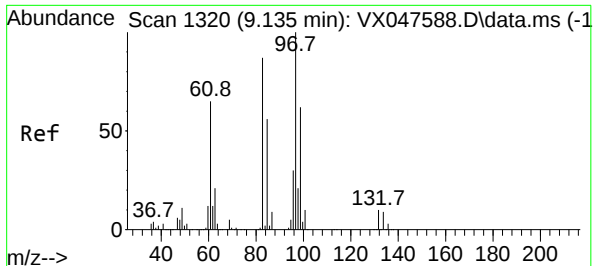
Tgt Ion: 98 Resp: 367967
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.523 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. 0.067 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
58 188.4 30.3 45.5#





#55

1,1,2-Trichloroethane

Concen: 0.253 ug/l

RT: 9.141 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047680.D

Acq: 19 Sep 2025 16:38

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20250911

Tgt Ion: 97 Resp: 587

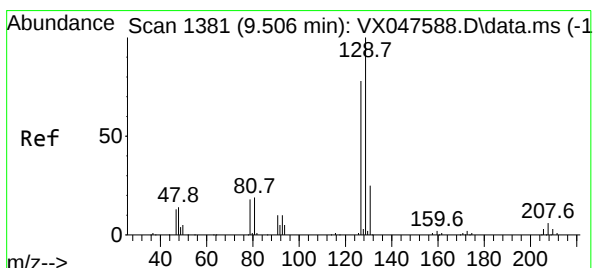
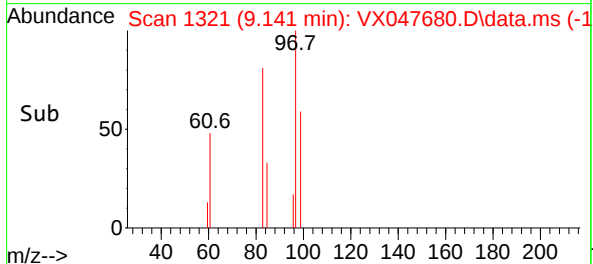
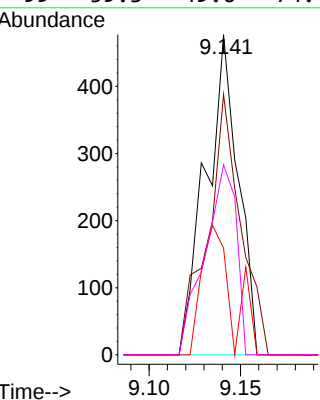
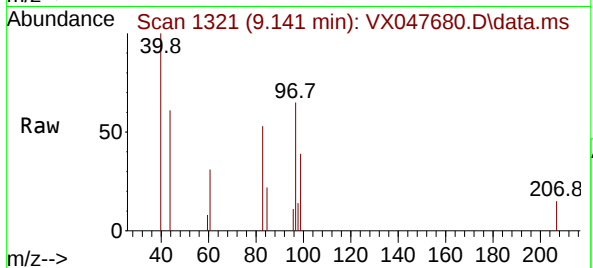
Ion Ratio Lower Upper

97 100

83 81.3 69.6 104.4

85 33.3 45.0 67.6#

99 59.3 49.6 74.4



#60

Dibromochloromethane

Concen: 8.145 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. -0.250 min

Lab File: VX047680.D

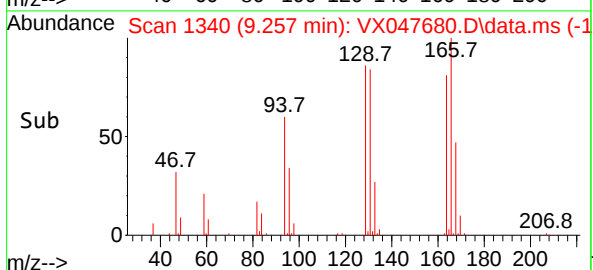
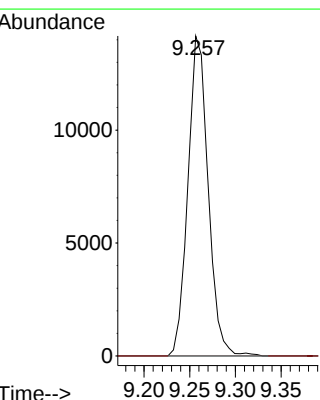
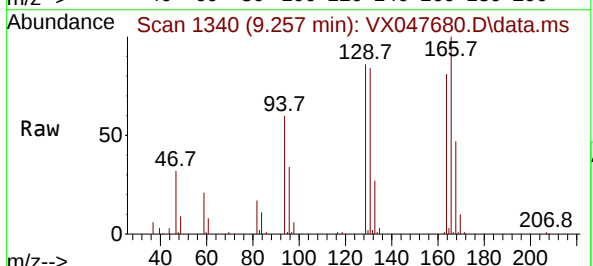
Acq: 19 Sep 2025 16:38

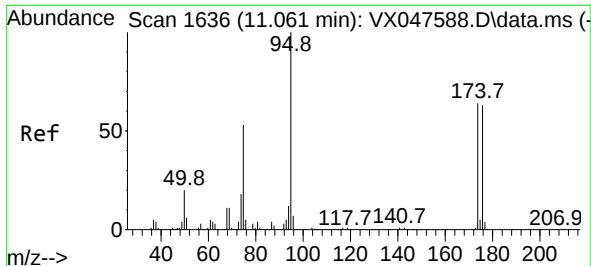
Tgt Ion:129 Resp: 21773

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

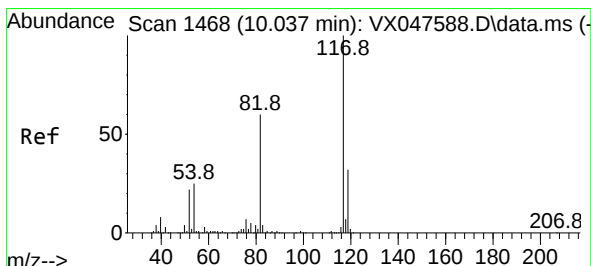
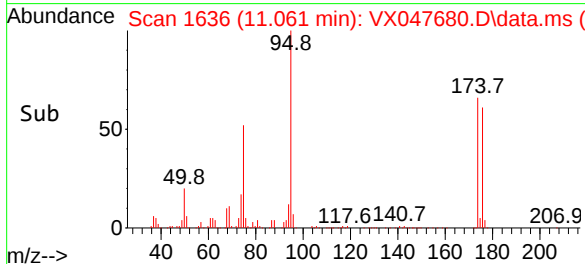
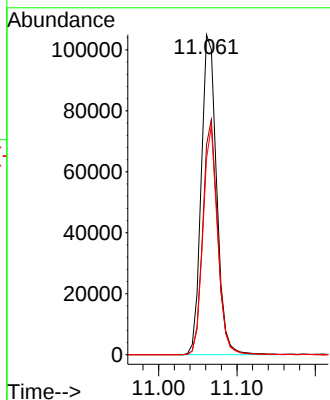
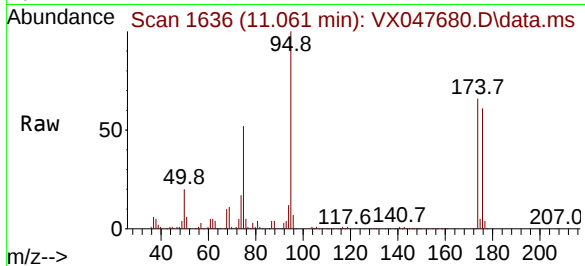




#62
4-Bromofluorobenzene
Concen: 49.446 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

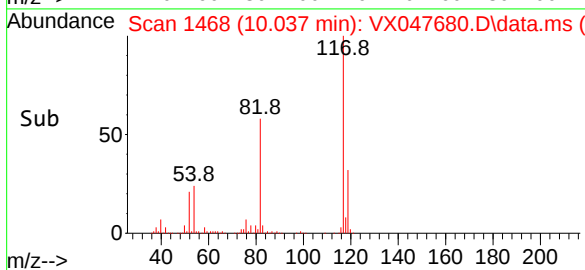
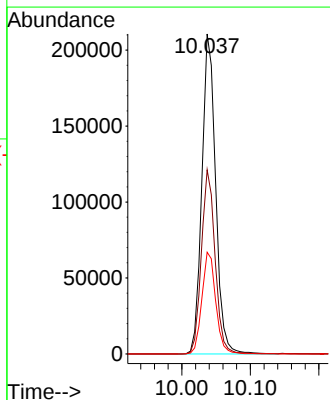
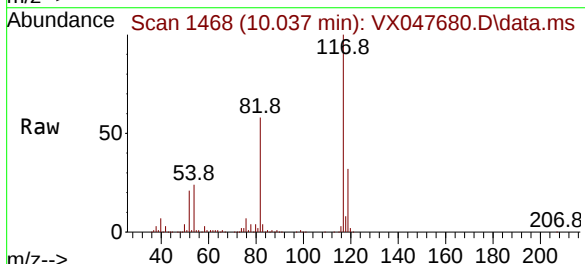
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250911

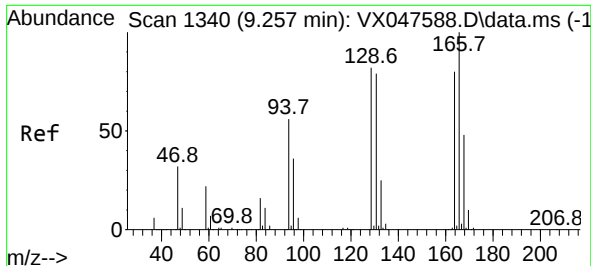
Tgt Ion: 95 Resp: 142876
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.6
176 67.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion: 117 Resp: 294939
Ion Ratio Lower Upper
117 100
82 57.5 47.8 71.6
119 31.8 25.2 37.8

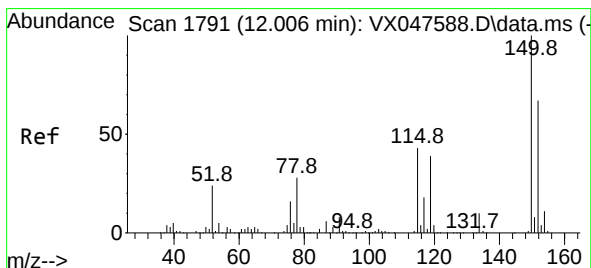
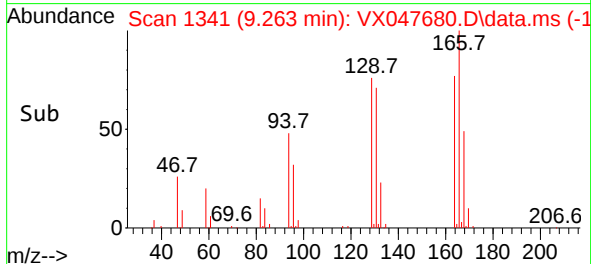
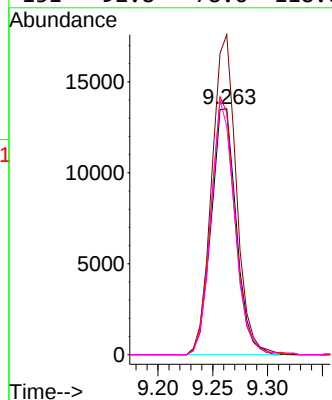
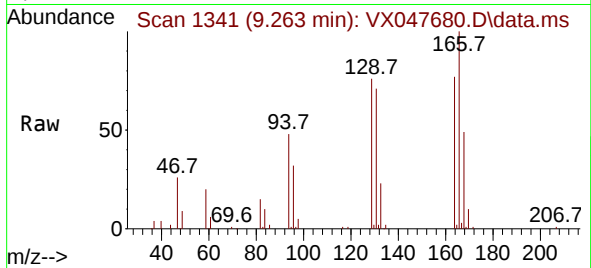




#64
Tetrachloroethene
Concen: 11.182 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

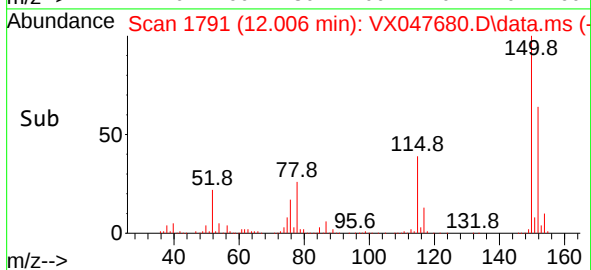
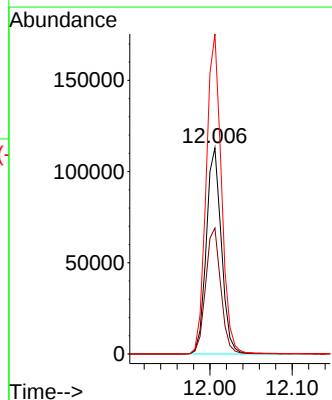
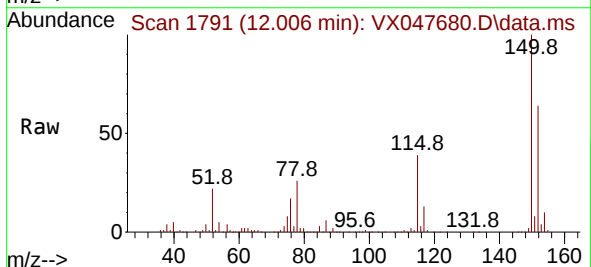
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250911

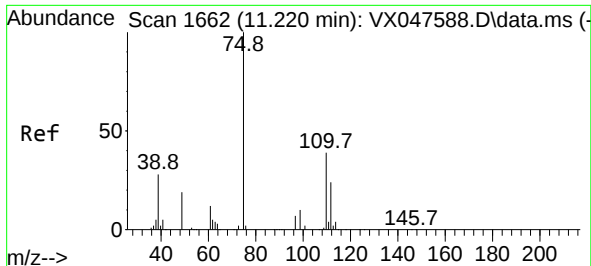
Tgt Ion:164 Resp: 21499
Ion Ratio Lower Upper
164 100
166 130.1 100.2 150.2
129 98.6 81.8 122.6
131 92.8 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion:152 Resp: 144012
Ion Ratio Lower Upper
152 100
115 61.8 44.9 134.5
150 156.7 0.0 352.0

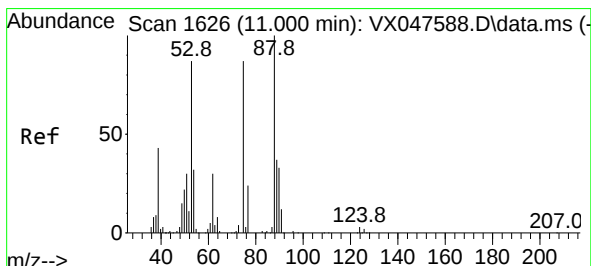
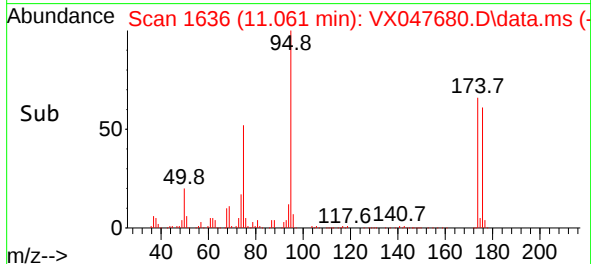
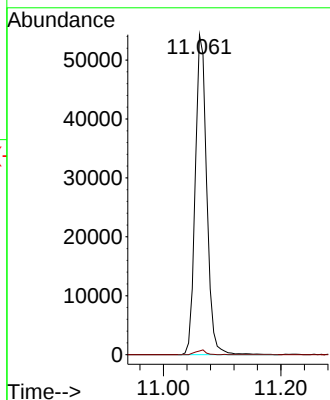
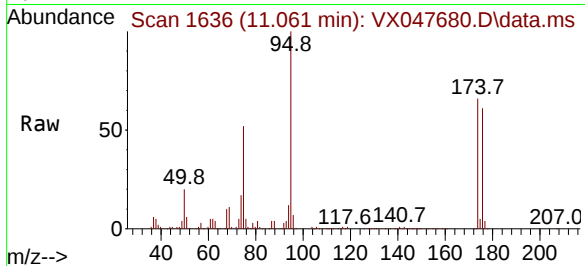




#76
1,2,3-Trichloropropane
Concen: 25.280 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20250911

Tgt Ion: 75 Resp: 73712
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.468 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047680.D
Acq: 19 Sep 2025 16:38

Tgt Ion: 75 Resp: 73712
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

