

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047696.D
 Acq On : 22 Sep 2025 12:23
 Operator : JC/MD
 Sample : Q3097-14DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20250911DL

Quant Time: Sep 23 01:32:17 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)

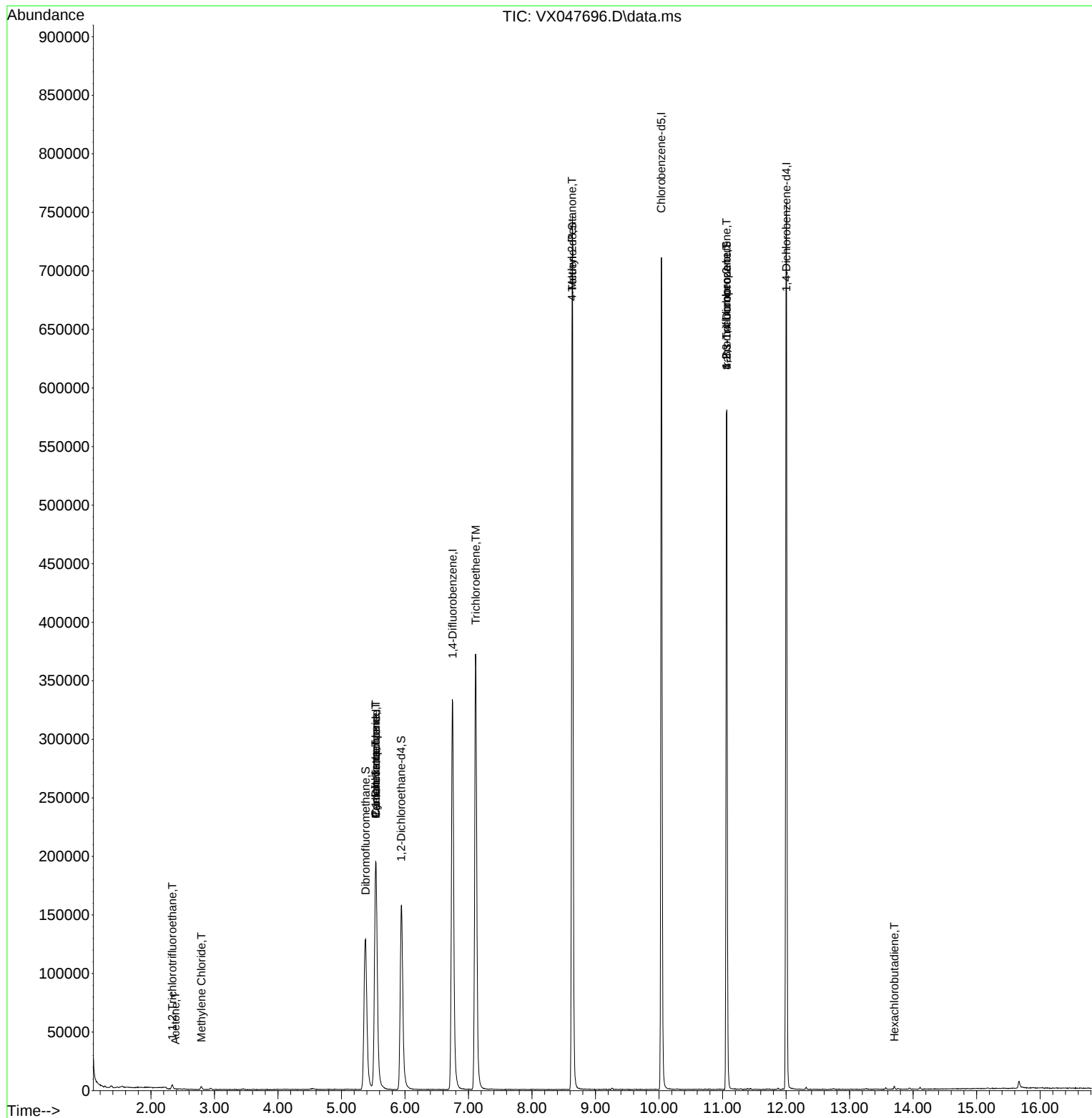
Internal Standards						
1) Pentafluorobenzene	5.544	168	199018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	365741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	330943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	159199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	170350	53.774	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.540%	
35) Dibromofluoromethane	5.379	113	128743	52.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.980%	
50) Toluene-d8	8.634	98	450242	53.048	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.100%	
62) 4-Bromofluorobenzene	11.061	95	171071	53.109	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.220%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	1323	0.575	ug/l	95
16) Acetone	2.386	43	665	0.483	ug/l #	56
20) Methylene Chloride	2.794	84	1032	0.354	ug/l	93
31) Cyclohexane	5.537	56	4658	1.113	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	16601	4.632	ug/l #	50
38) Carbon Tetrachloride	5.544	117	21494	5.519	ug/l #	18
44) Trichloroethene	7.116	130	156901	59.616	ug/l	95
51) 4-Methyl-2-Pentanone	8.628	43	2241	0.642	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	87251	27.069	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	87251	69.030	ug/l #	8
94) Hexachlorobutadiene	13.707	225	415	0.356	ug/l	87

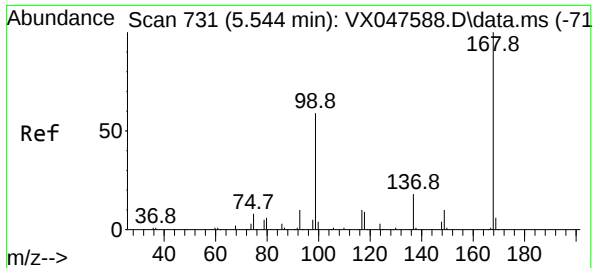
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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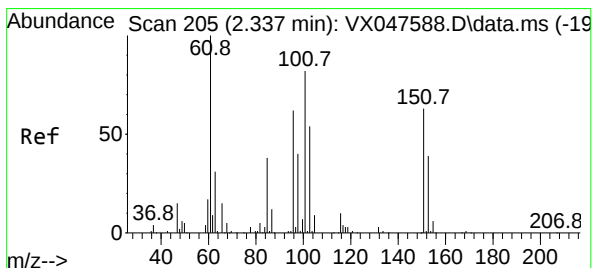
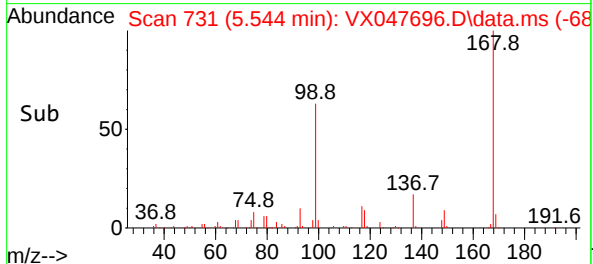
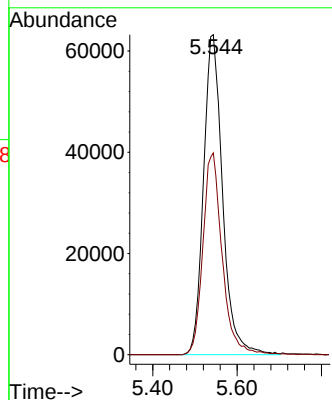
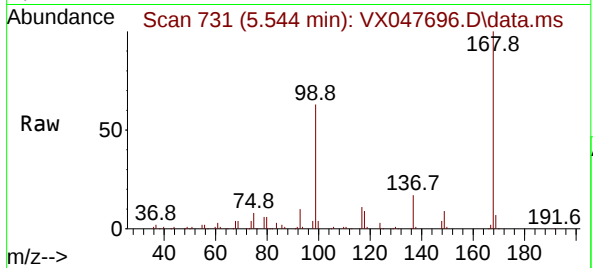




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

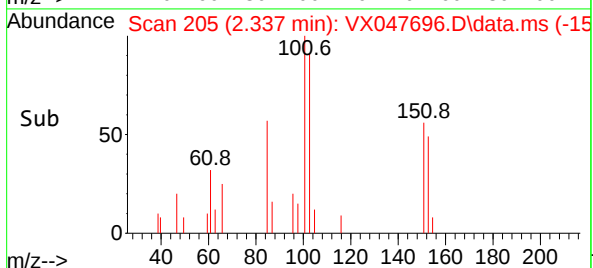
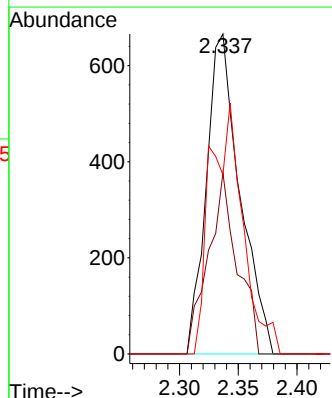
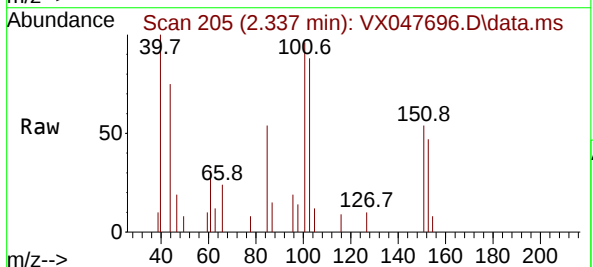
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911DL

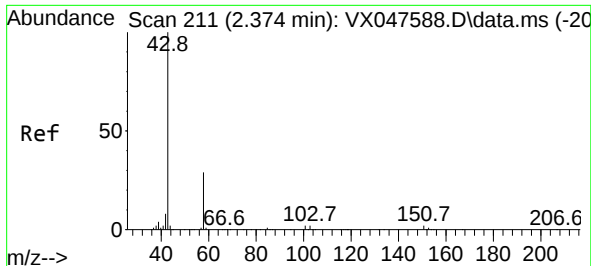
Tgt Ion:168 Resp: 199018
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.575 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

Tgt Ion:101 Resp: 1323
Ion Ratio Lower Upper
101 100
85 49.3 35.5 53.3
151 76.6 59.4 89.0

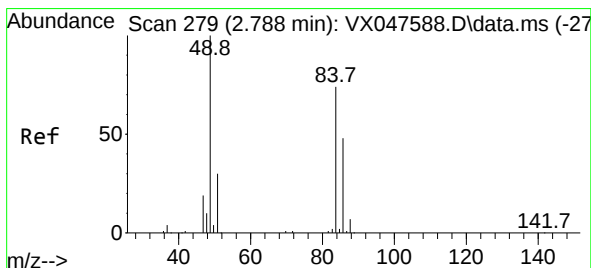
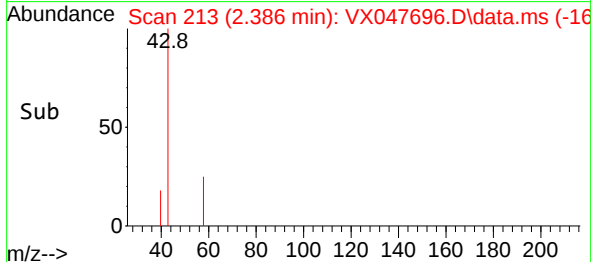
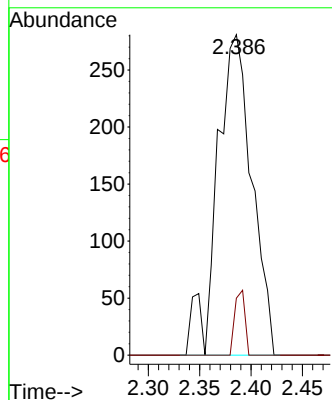
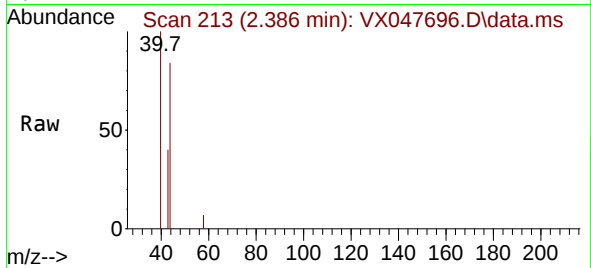




#16
Acetone
Concen: 0.483 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

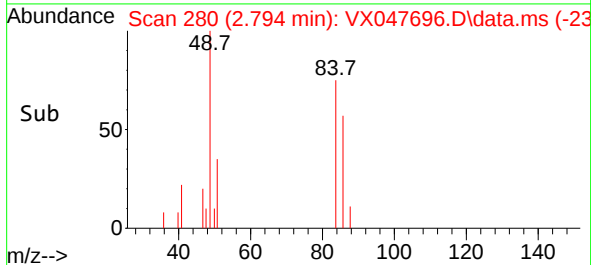
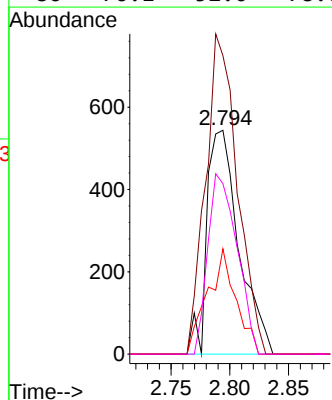
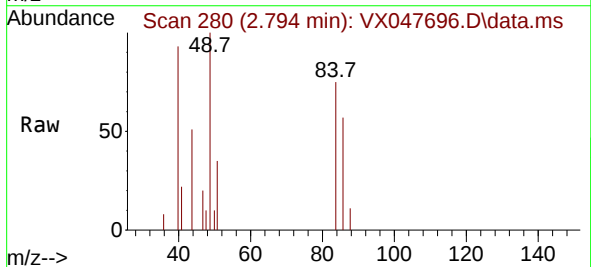
Instrument :
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ClientSampleId :
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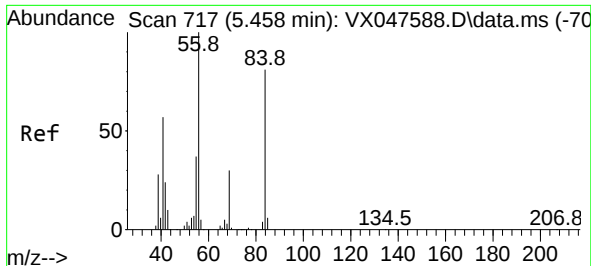
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 5.7 23.4 35.0#



#20
Methylene Chloride
Concen: 0.354 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

Tgt Ion: 84 Resp: 1032
Ion Ratio Lower Upper
84 100
49 133.3 108.6 162.8
51 47.1 32.6 48.8
86 76.1 52.0 78.0

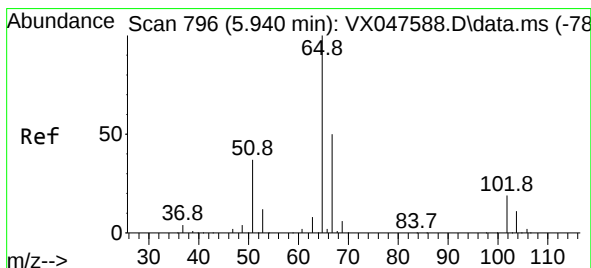
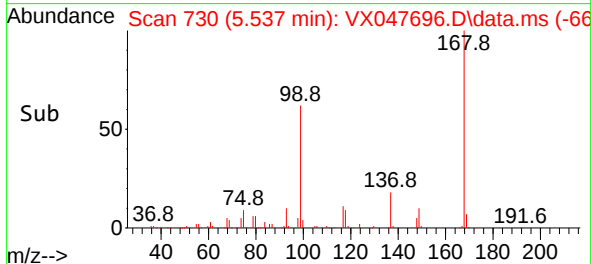
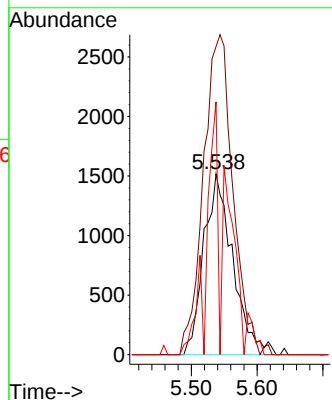
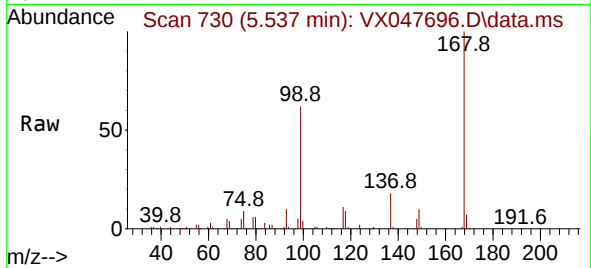




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

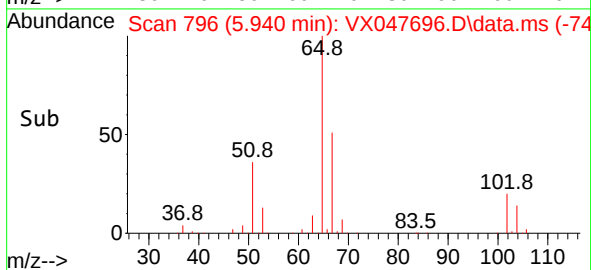
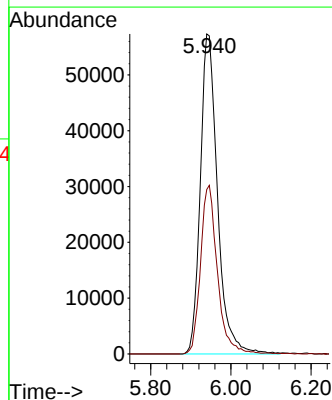
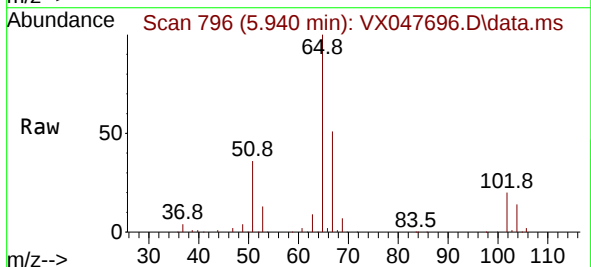
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911DL

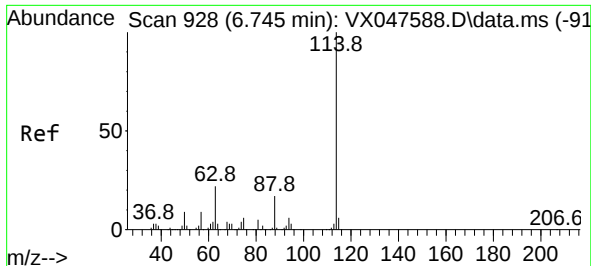
Tgt Ion: 56 Resp: 4658
Ion Ratio Lower Upper
56 100
69 166.5 23.8 35.8#
84 133.1 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 53.774 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

Tgt Ion: 65 Resp: 170350
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0

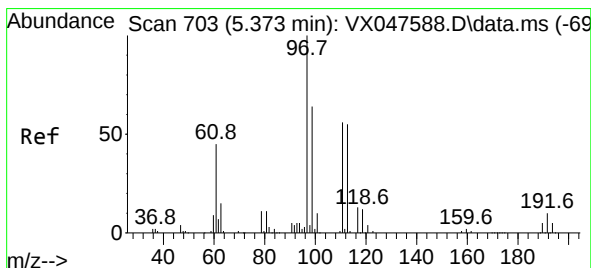
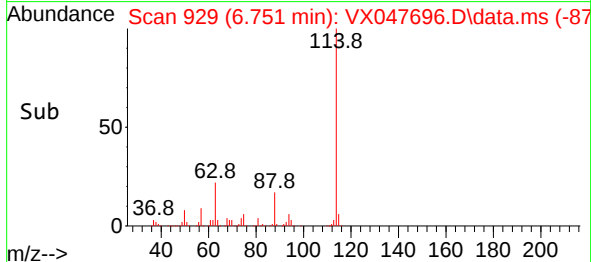
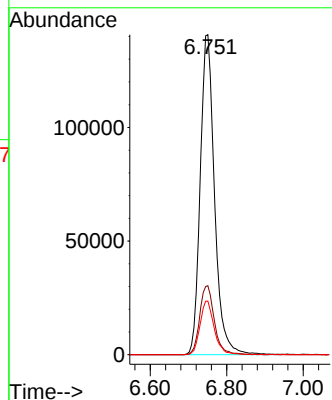
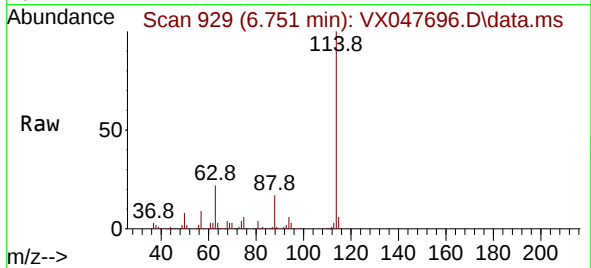




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

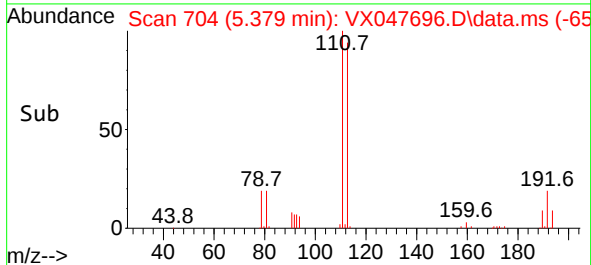
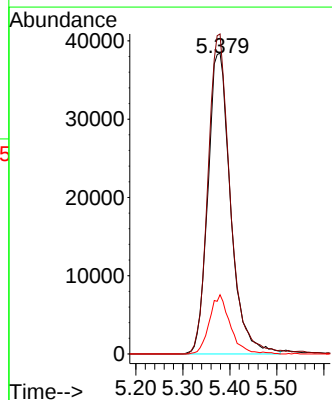
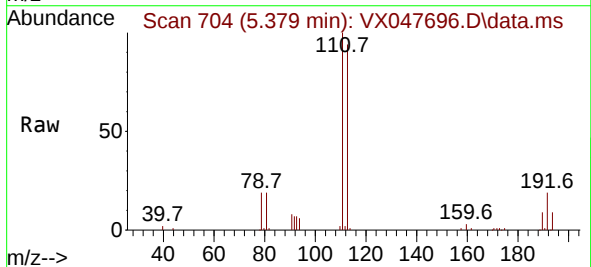
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911DL

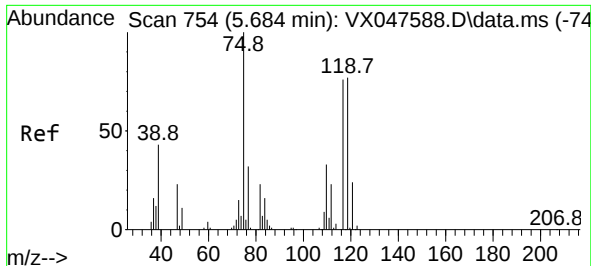
Tgt Ion:114 Resp: 365741
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.0
88 16.8 0.0 34.2



#35
Dibromofluoromethane
Concen: 52.487 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

Tgt Ion:113 Resp: 128743
Ion Ratio Lower Upper
113 100
111 104.4 80.9 121.3
192 17.9 14.2 21.4

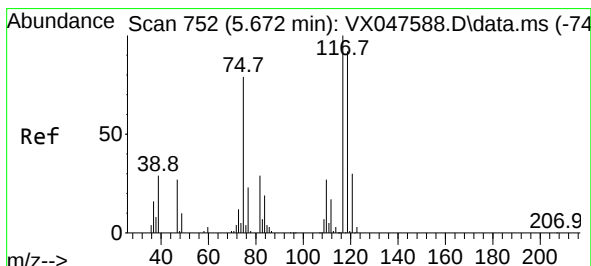
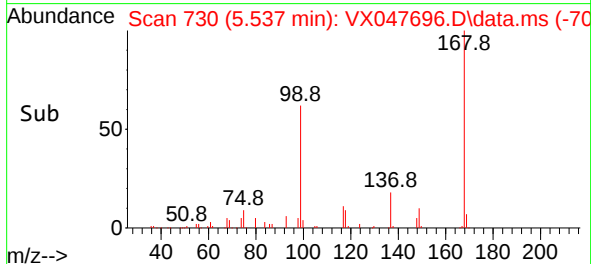
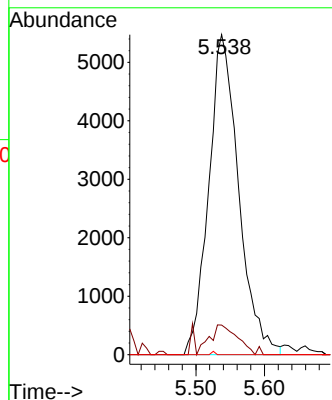
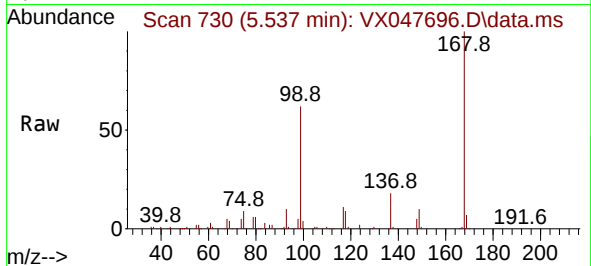




#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 5.537 min Scan# 710
Delta R.T. -0.147 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

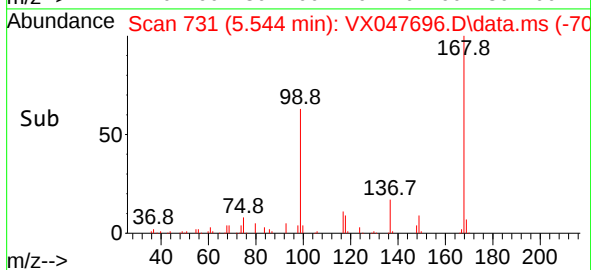
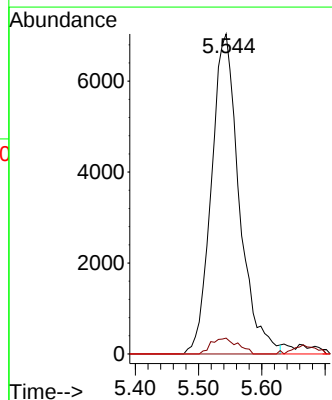
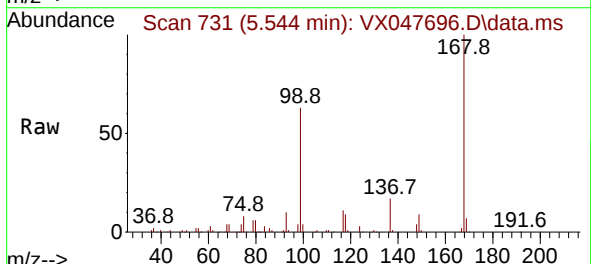
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ClientSampleId :
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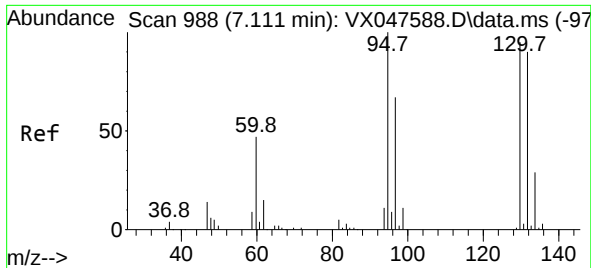
Tgt Ion: 75 Resp: 16601
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.1#
77 0.1 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

Tgt Ion: 117 Resp: 21494
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 23.8 35.6#

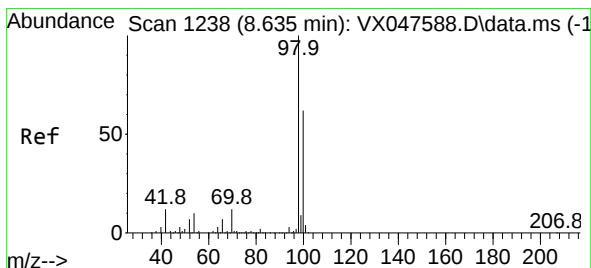
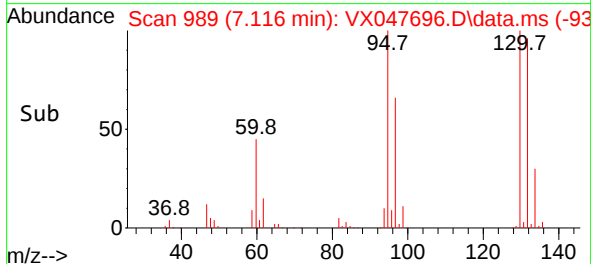
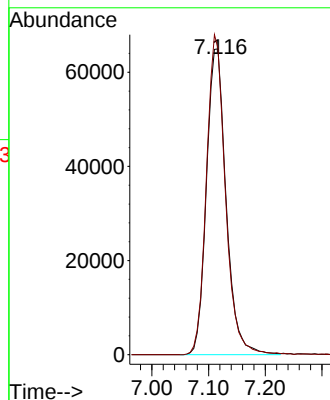
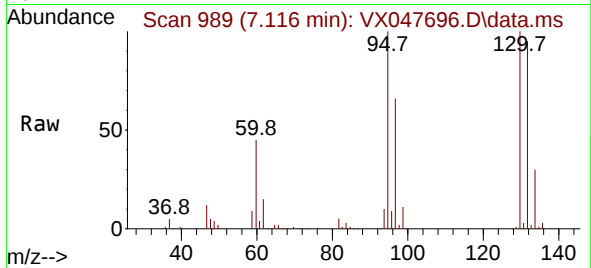




#44
Trichloroethene
Concen: 59.616 ug/l
RT: 7.116 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

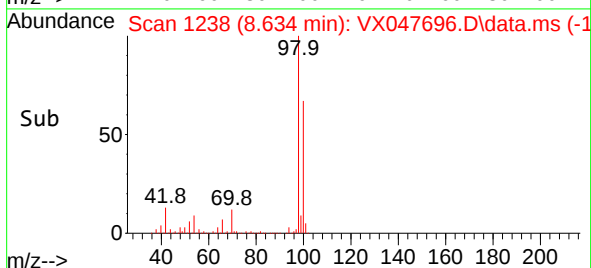
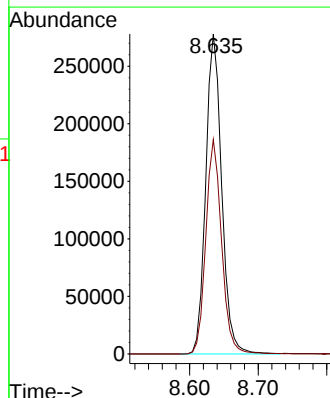
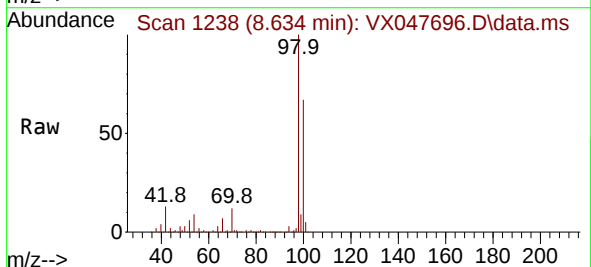
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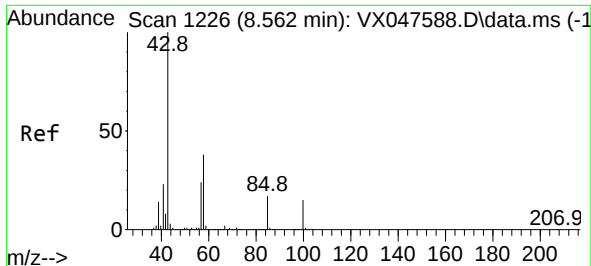
Tgt Ion:130 Resp: 156901
Ion Ratio Lower Upper
130 100
95 100.2 0.0 210.8



#50
Toluene-d8
Concen: 53.048 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

Tgt Ion: 98 Resp: 450242
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4

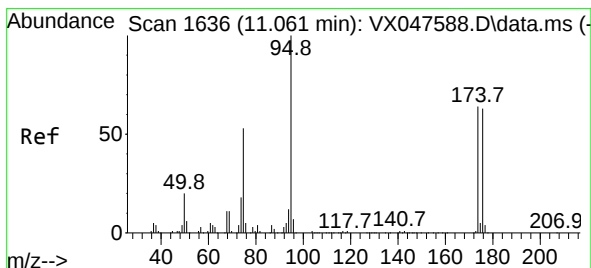
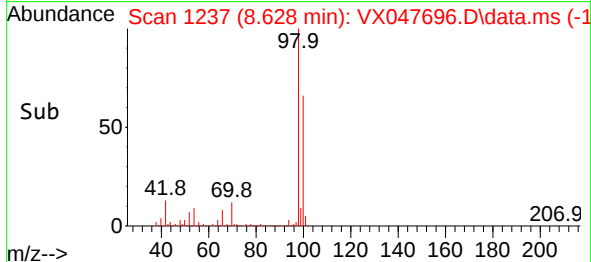
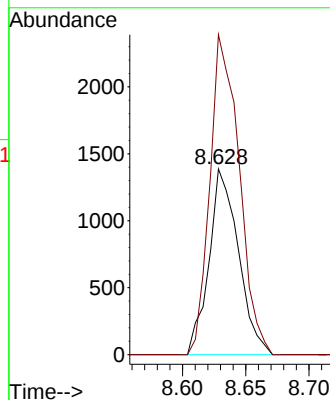
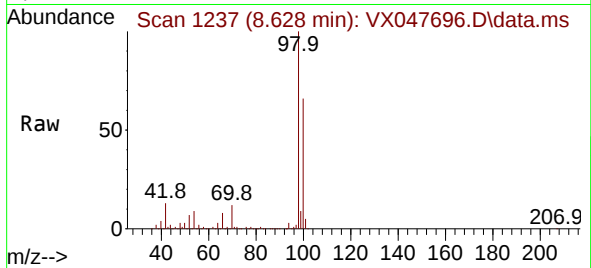




#51
4-Methyl-2-Pentanone
Concen: 0.642 ug/l
RT: 8.628 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

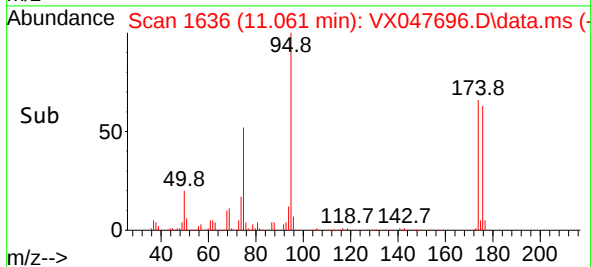
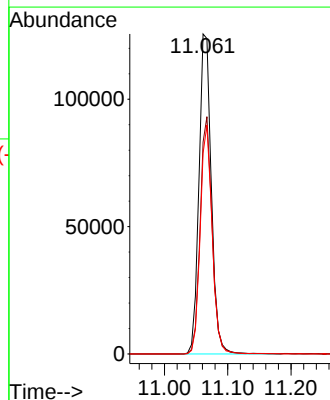
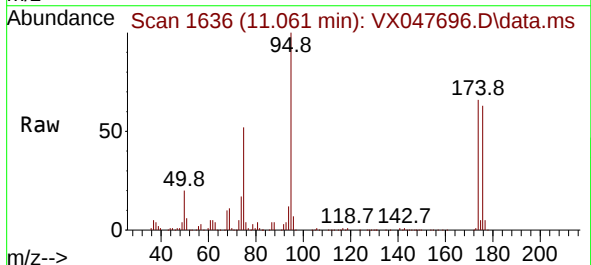
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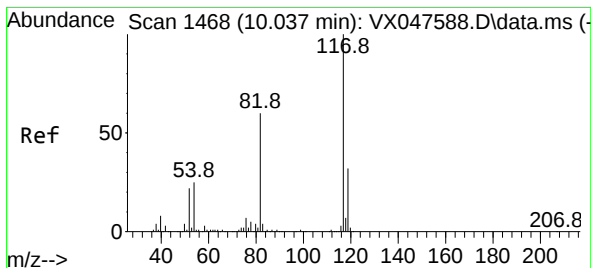
Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
58 171.9 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 53.109 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

Tgt Ion: 95 Resp: 171071
Ion Ratio Lower Upper
95 100
174 71.7 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: VX047696.D

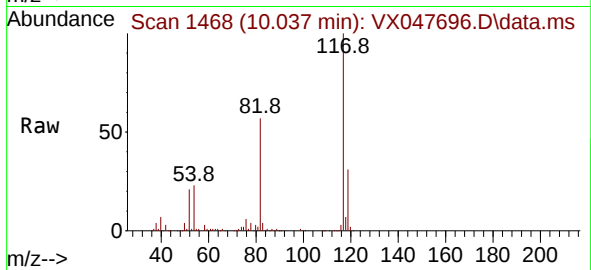
Acq: 22 Sep 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20250911DL



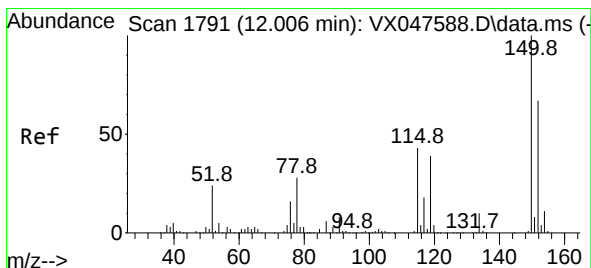
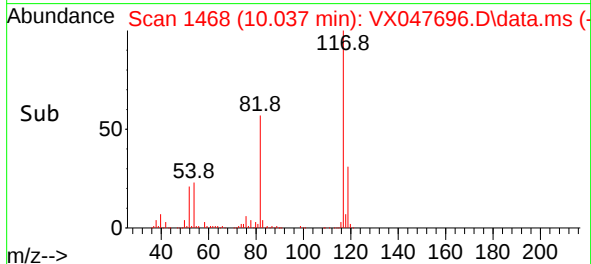
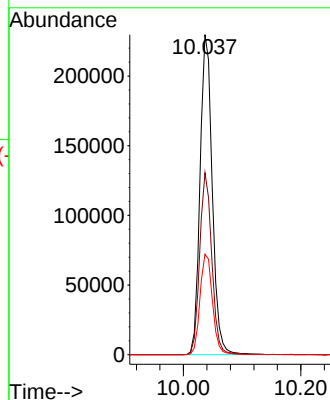
Tgt Ion:117 Resp: 330943

Ion Ratio Lower Upper

117 100

82 56.8 47.8 71.6

119 31.4 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047696.D

Acq: 22 Sep 2025 12:23

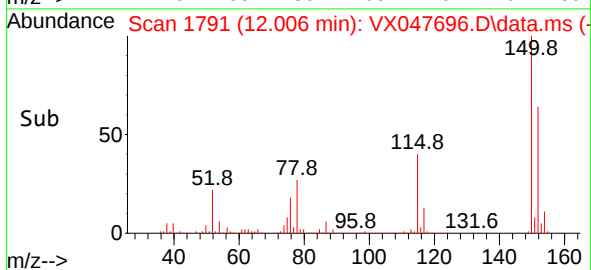
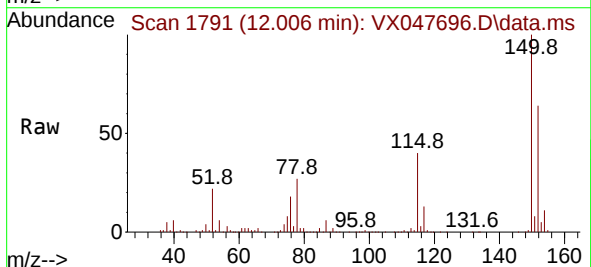
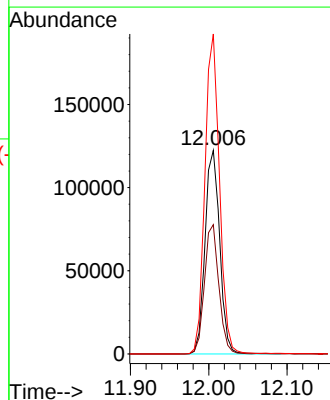
Tgt Ion:152 Resp: 159199

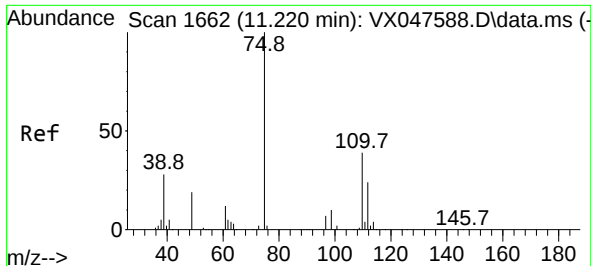
Ion Ratio Lower Upper

152 100

115 62.5 44.9 134.5

150 155.6 0.0 352.0

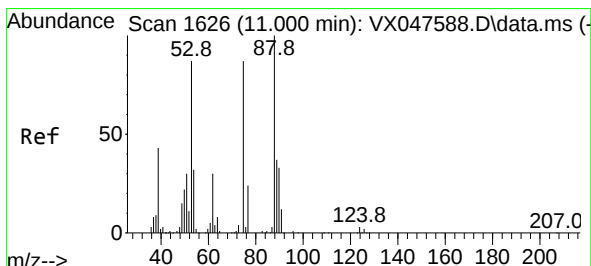
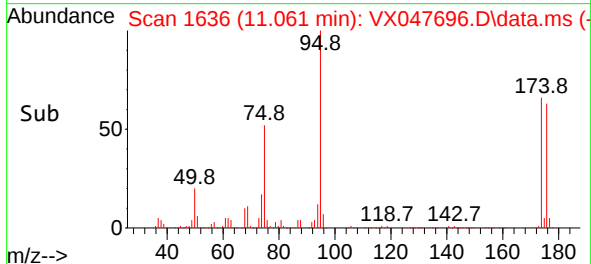
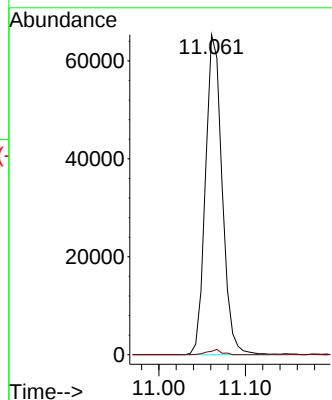
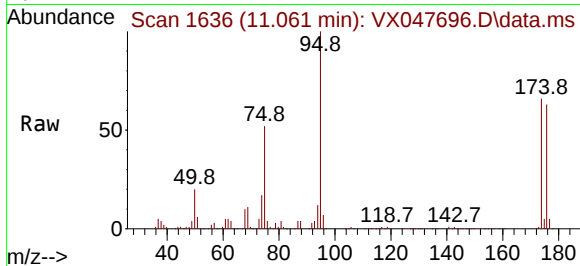




#76
1,2,3-Trichloropropane
Concen: 27.069 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

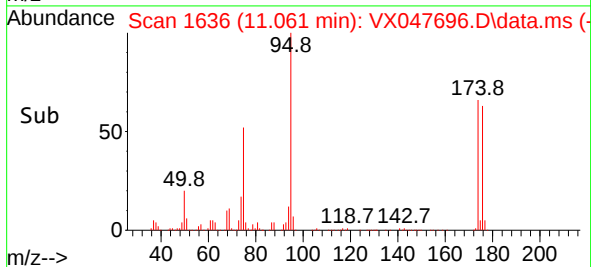
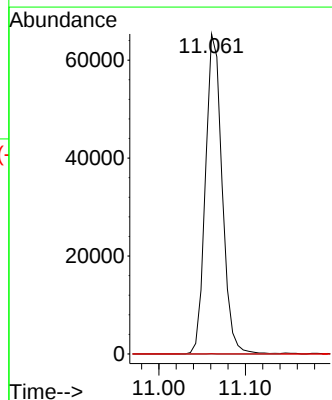
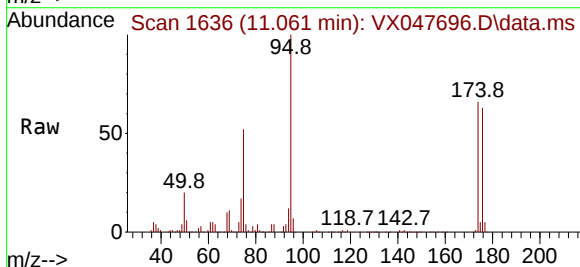
Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20250911DL

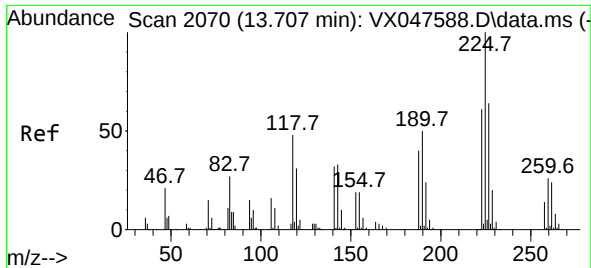
Tgt Ion: 75 Resp: 87251
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.030 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047696.D
Acq: 22 Sep 2025 12:23

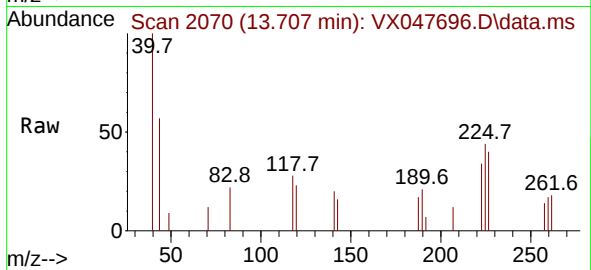
Tgt Ion: 75 Resp: 87251
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.356 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX047696.D
 Acq: 22 Sep 2025 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20250911DL



Tgt Ion:	225	Resp:	415
Ion	Ratio	Lower	Upper
225	100		
223	78.6	31.7	95.1
227	69.6	32.0	96.0

