

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048544.D
 Acq On : 10 Nov 2025 16:49
 Operator : JC/MD
 Sample : Q3569-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Quant Time: Nov 11 00:49:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

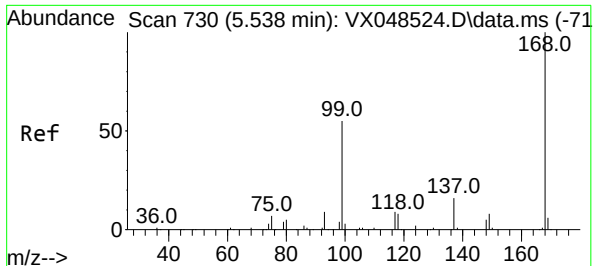
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	174503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	338583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	347291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	188428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125208	51.493	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.980%	
35) Dibromofluoromethane	5.373	113	115346	45.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.020%	
50) Toluene-d8	8.635	98	386609	48.372	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.740%	
62) 4-Bromofluorobenzene	11.061	95	169847	57.025	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.040%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	306538	227.324	ug/l	100
11) Tert butyl alcohol	2.934	59	70181	152.318	ug/l	98
16) Acetone	2.380	43	5589	4.856	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	3922	0.547	ug/l	92
22) Diisopropyl ether	3.751	45	1102242	151.773	ug/l #	50
29) Tetrahydrofuran	4.983	42	581696	479.001	ug/l	100
40) Benzene	6.025	78	842000	79.159	ug/l	99
52) Toluene	8.708	92	2885	0.515	ug/l	98
65) Chlorobenzene	10.061	112	1705157	206.860	ug/l	98
73) Isopropylbenzene	10.945	105	185976	13.597	ug/l	99
78) n-propylbenzene	11.287	91	16519	1.027	ug/l	98
84) 1,2,4-Trimethylbenzene	11.738	105	3570	0.317	ug/l	93
87) 1,3-Dichlorobenzene	11.951	146	1871	0.283	ug/l	93
88) 1,4-Dichlorobenzene	12.024	146	22585	3.303	ug/l	91
91) 1,2-Dichlorobenzene	12.323	146	3569	0.562	ug/l	93

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

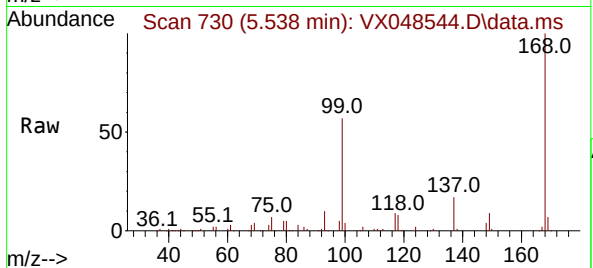
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



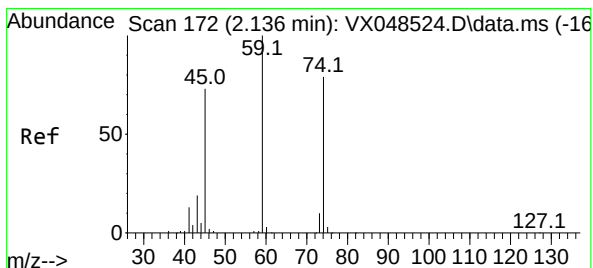
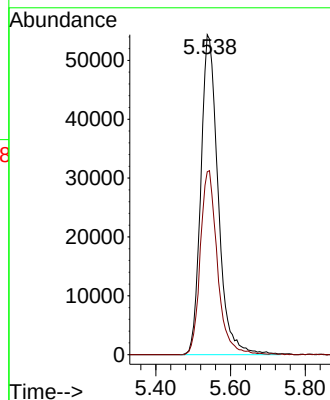
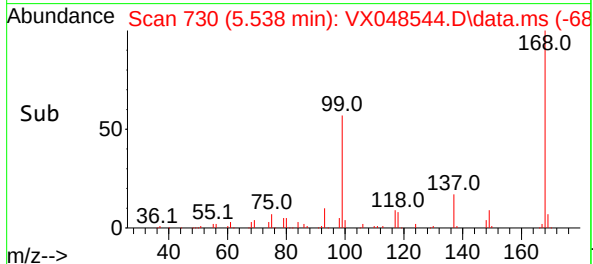


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Instrument :
MSVOA_X
ClientSampleId :
MW-12

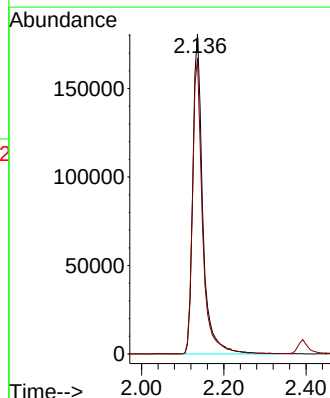
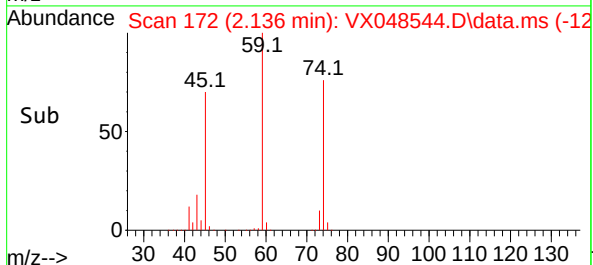
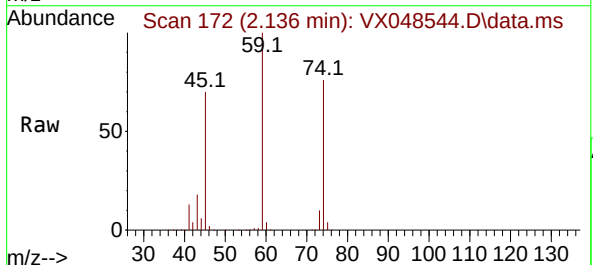


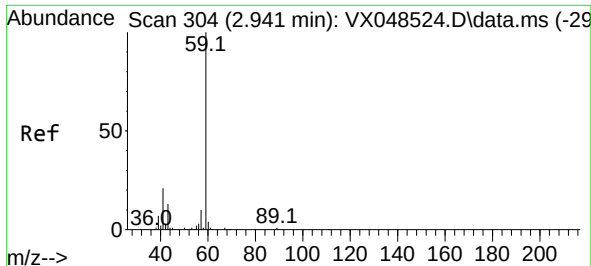
Tgt Ion:168 Resp: 174503
Ion Ratio Lower Upper
168 100
99 57.2 45.2 67.8



#8
Diethyl Ether
Concen: 227.324 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Tgt Ion: 74 Resp: 306538
Ion Ratio Lower Upper
74 100
45 92.0 45.9 137.6

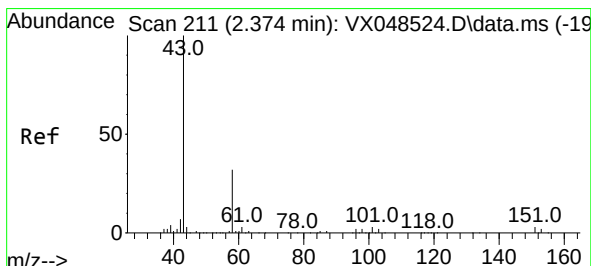
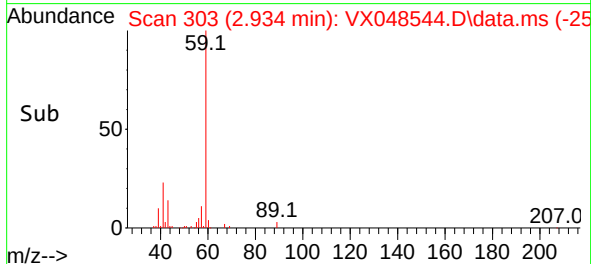
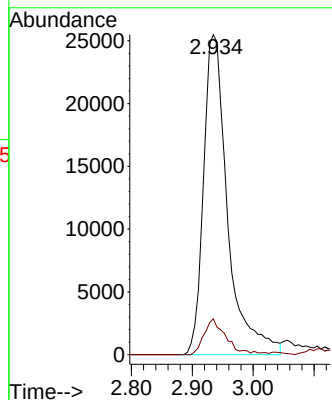
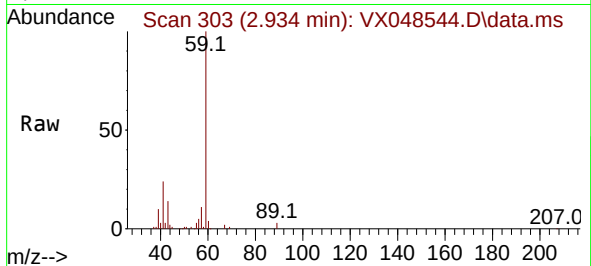




#11
Tert butyl alcohol
Concen: 152.318 ug/l
RT: 2.934 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

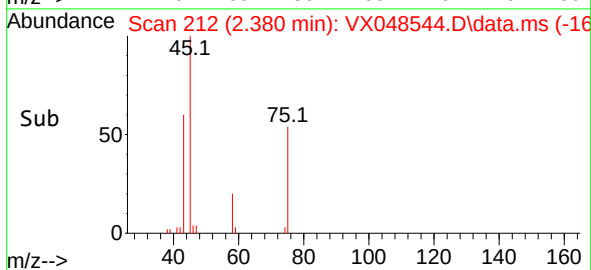
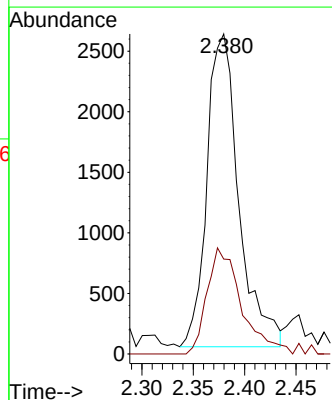
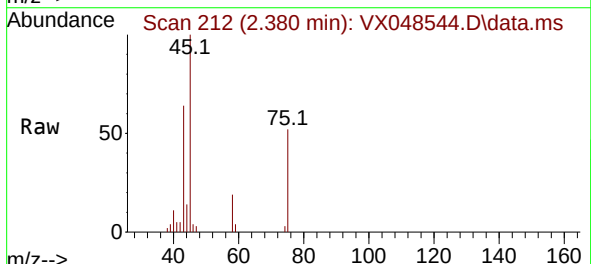
Instrument :
MSVOA_X
ClientSampleId :
MW-12

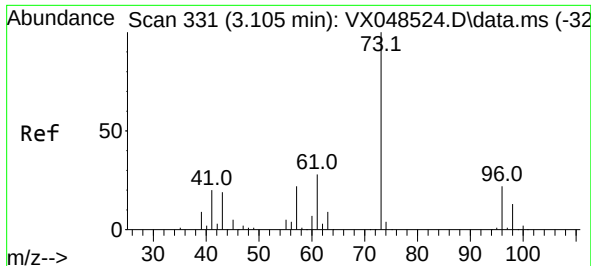
Tgt Ion: 59 Resp: 70181
Ion Ratio Lower Upper
59 100
57 10.1 8.6 13.0



#16
Acetone
Concen: 4.856 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Tgt Ion: 43 Resp: 5589
Ion Ratio Lower Upper
43 100
58 30.3 25.8 38.6

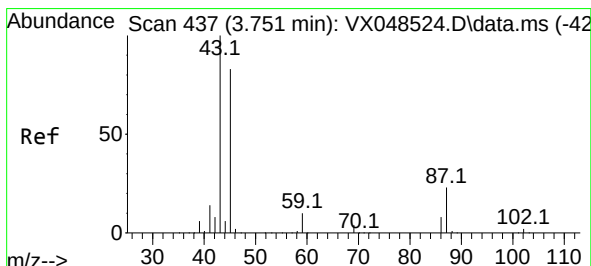
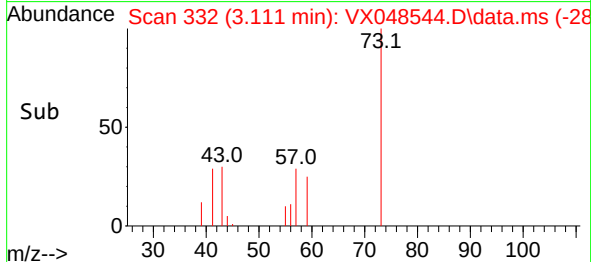
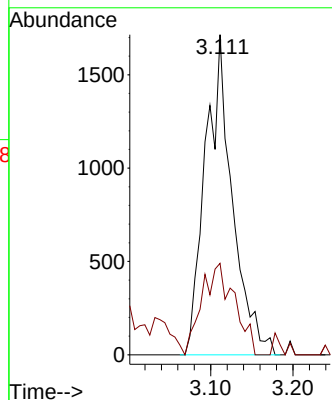
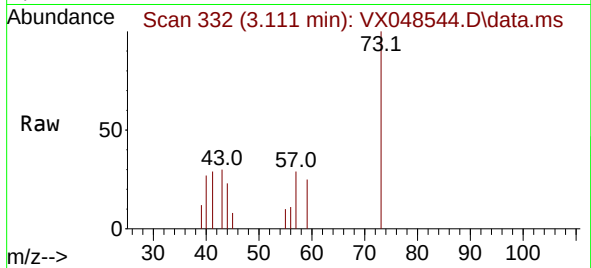




#19
Methyl tert-butyl Ether
Concen: 0.547 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

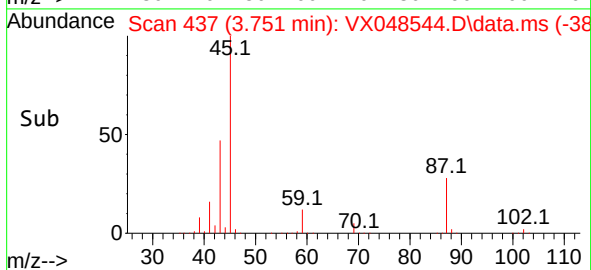
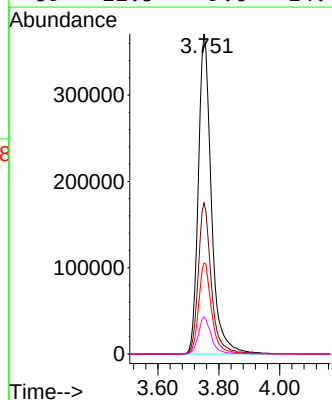
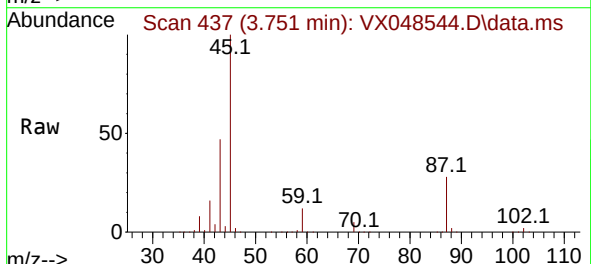
Instrument :
MSVOA_X
ClientSampleId :
MW-12

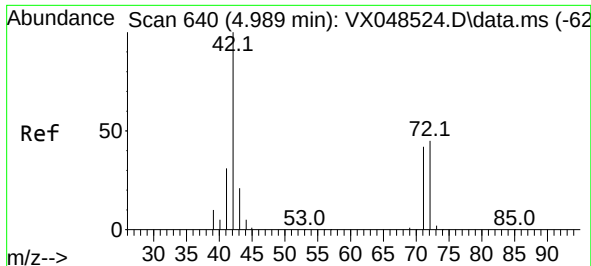
Tgt Ion: 73 Resp: 3922
Ion Ratio Lower Upper
73 100
57 25.5 17.3 25.9



#22
Diisopropyl ether
Concen: 151.773 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

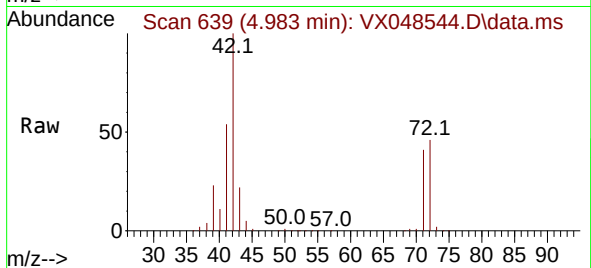
Tgt Ion: 45 Resp: 1102242
Ion Ratio Lower Upper
45 100
43 47.2 96.4 144.6#
87 28.4 21.8 32.6
59 11.5 9.6 14.4



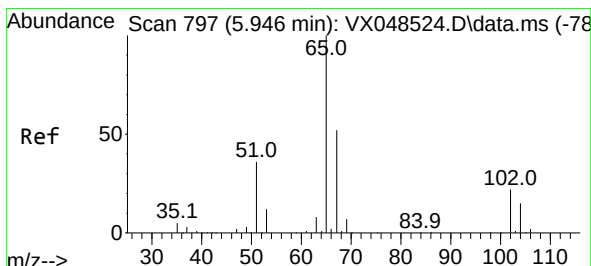
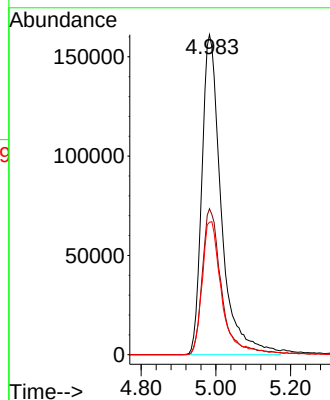
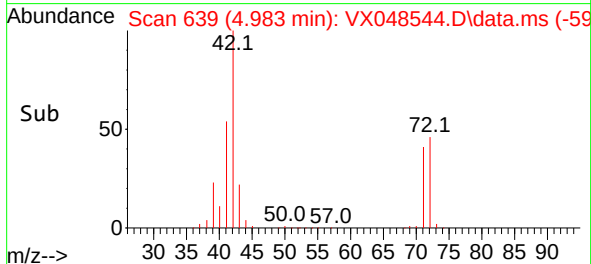


#29
Tetrahydrofuran
Concen: 479.001 ug/l
RT: 4.983 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

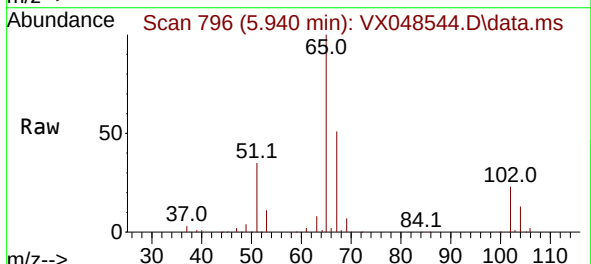
Instrument :
MSVOA_X
ClientSampleId :
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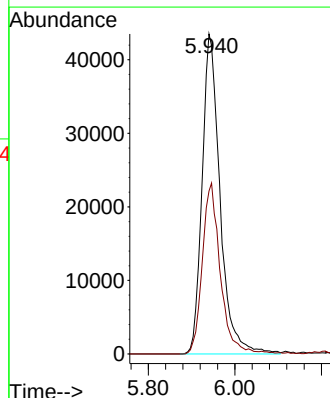
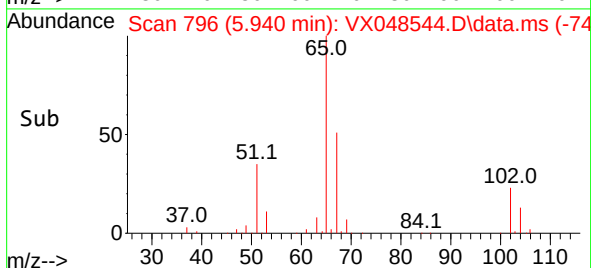
Tgt Ion: 42 Resp: 581696
Ion Ratio Lower Upper
42 100
72 45.3 36.3 54.5
71 42.4 34.1 51.1

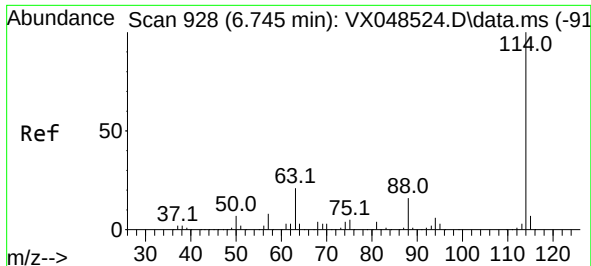


#33
1,2-Dichloroethane-d4
Concen: 51.493 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49



Tgt Ion: 65 Resp: 125208
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2

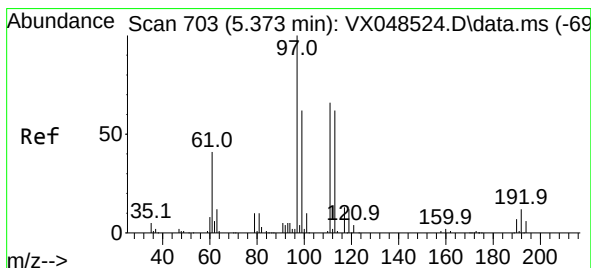
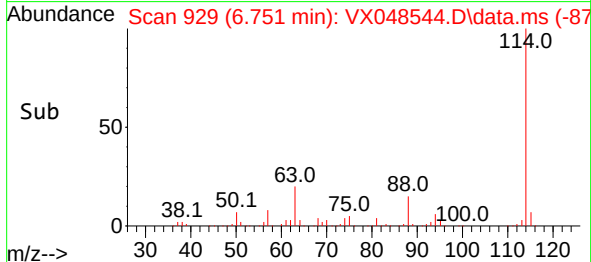
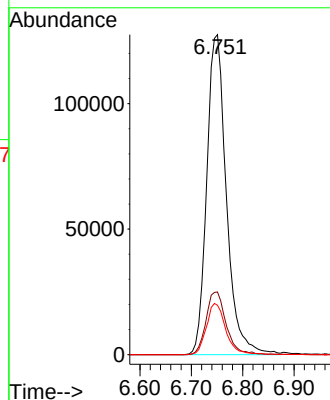
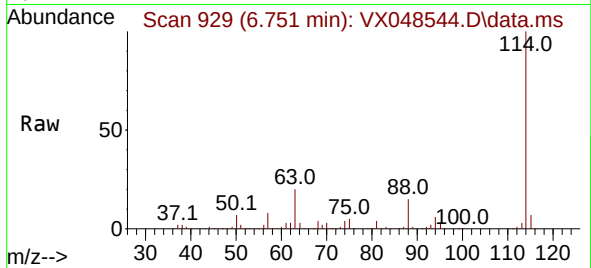




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

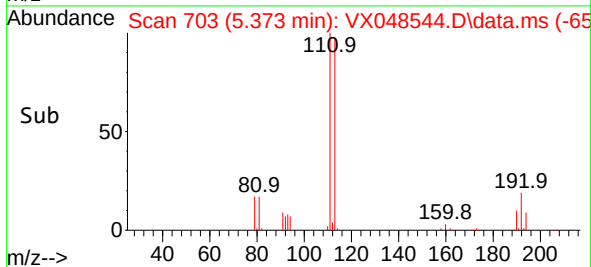
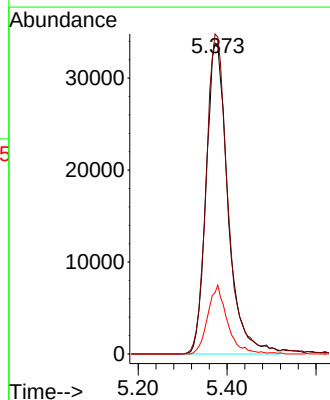
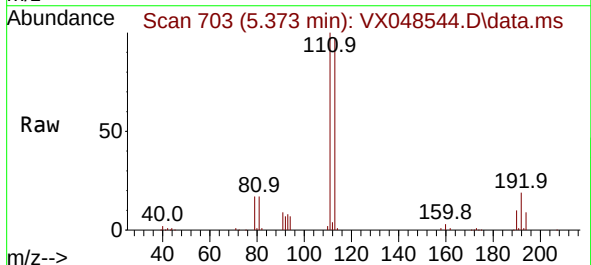
Instrument :
MSVOA_X
ClientSampleId :
MW-12

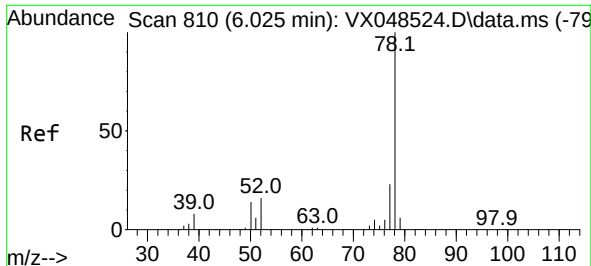
Tgt Ion:114 Resp: 338583
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.2
88 15.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 45.011 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Tgt Ion:113 Resp: 115346
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.9 15.8 23.6

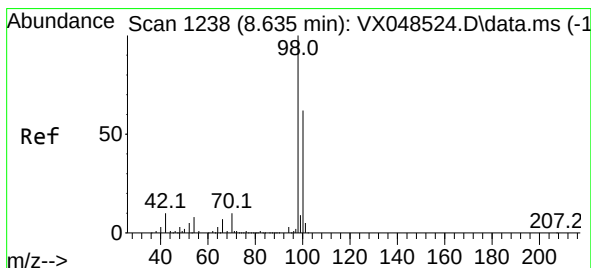
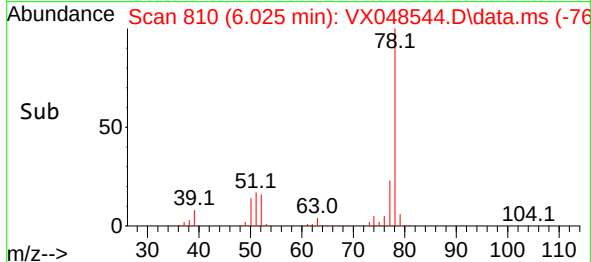
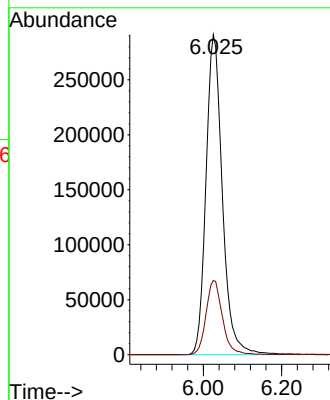
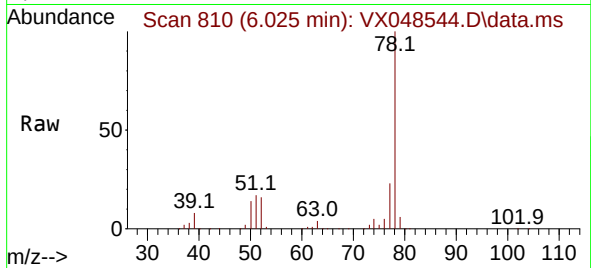




#40
Benzene
Concen: 79.159 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

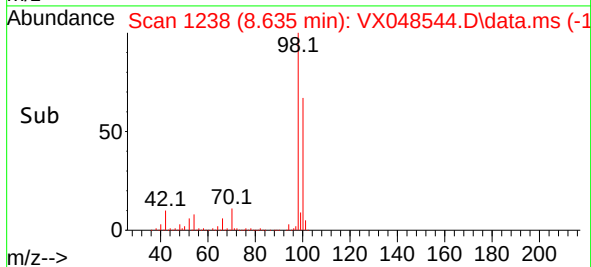
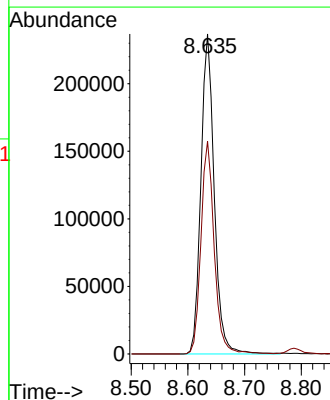
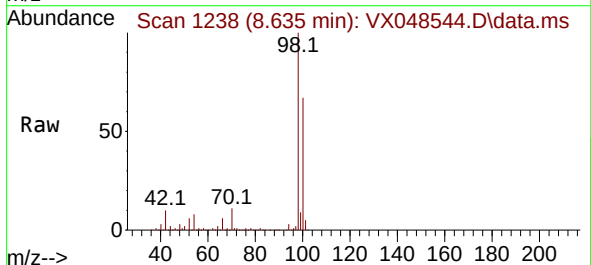
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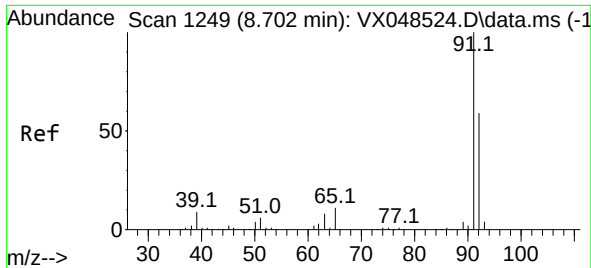
Tgt Ion: 78 Resp: 842000
Ion Ratio Lower Upper
78 100
77 23.2 18.3 27.5



#50
Toluene-d8
Concen: 48.372 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Tgt Ion: 98 Resp: 386609
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4

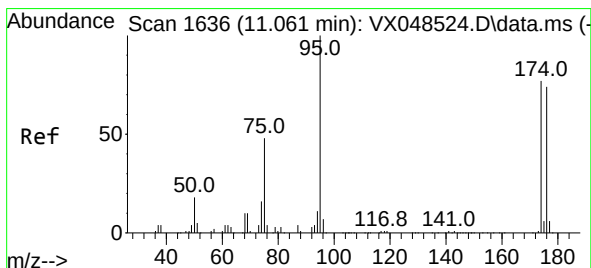
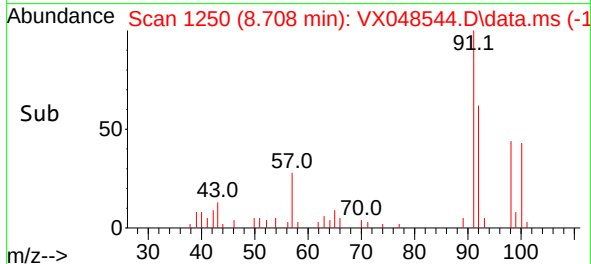
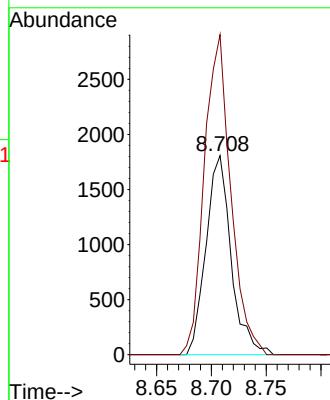
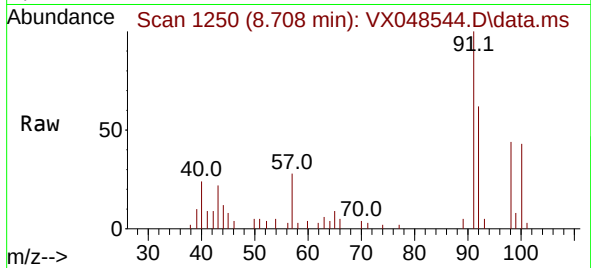




#52
Toluene
Concen: 0.515 ug/l
RT: 8.708 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

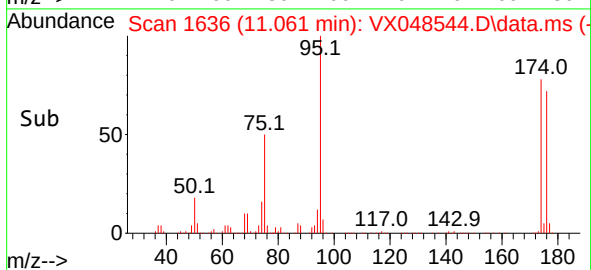
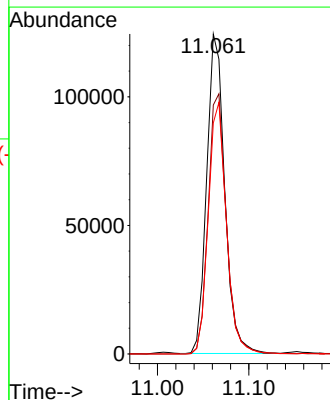
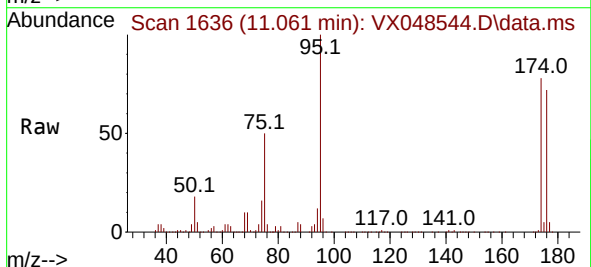
Instrument :
MSVOA_X
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MW-12

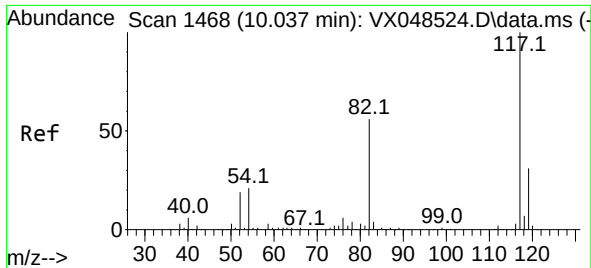
Tgt Ion: 92 Resp: 2885
Ion Ratio Lower Upper
92 100
91 168.7 137.0 205.6



#62
4-Bromofluorobenzene
Concen: 57.025 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Tgt Ion: 95 Resp: 169847
Ion Ratio Lower Upper
95 100
174 82.3 0.0 161.8
176 79.3 0.0 153.6

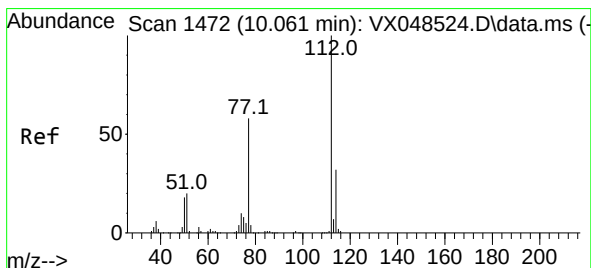
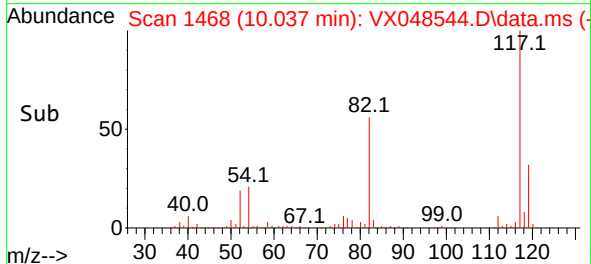
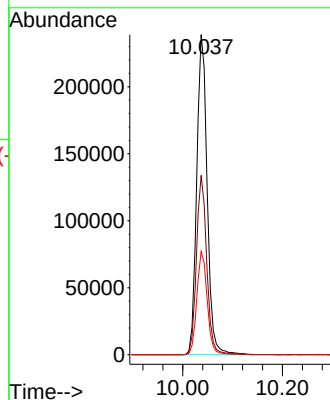
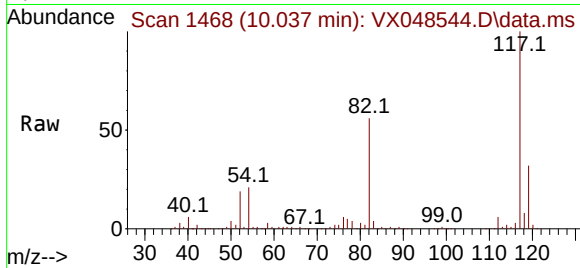




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

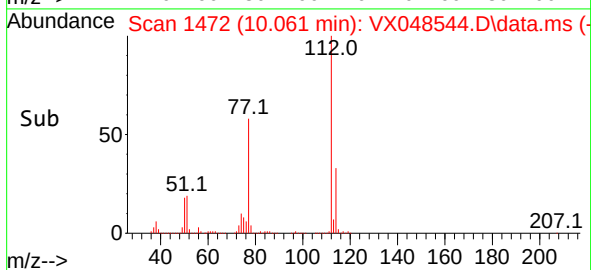
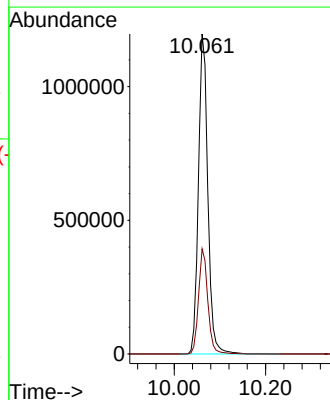
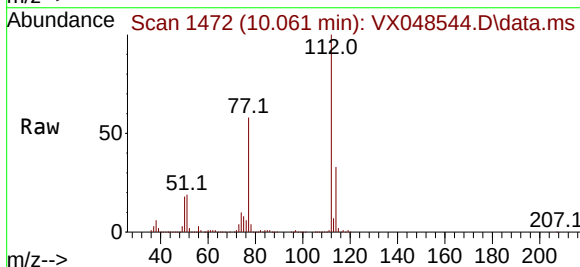
Instrument :
MSVOA_X
ClientSampleId :
MW-12

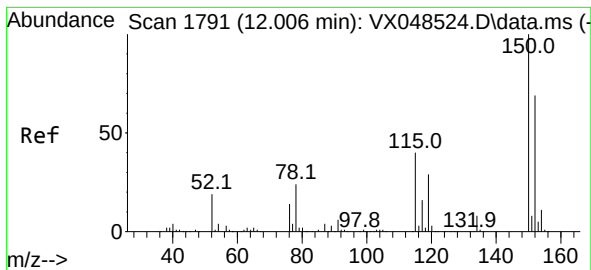
Tgt Ion:117 Resp: 347291
Ion Ratio Lower Upper
117 100
82 56.0 44.4 66.6
119 32.3 25.1 37.7



#65
Chlorobenzene
Concen: 206.860 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Tgt Ion:112 Resp: 1705157
Ion Ratio Lower Upper
112 100
114 32.8 25.5 38.3

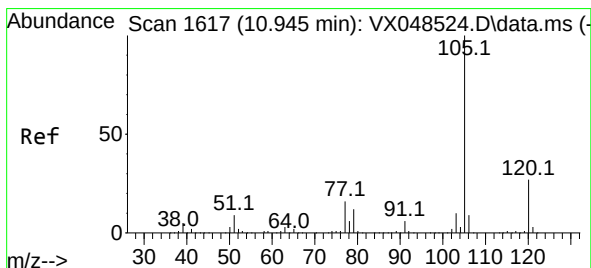
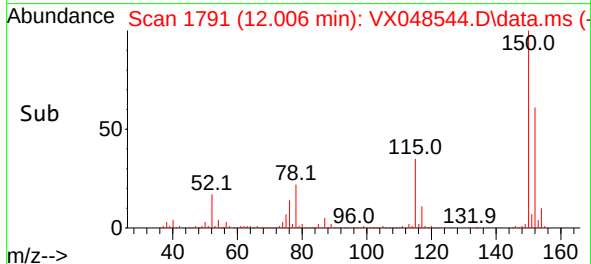
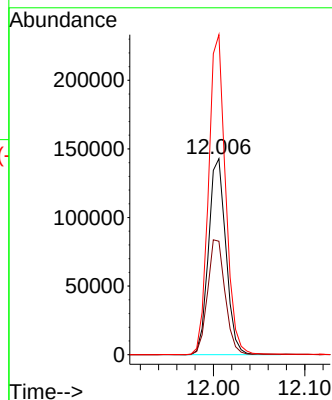
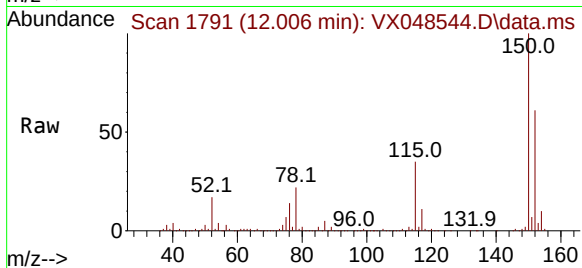




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

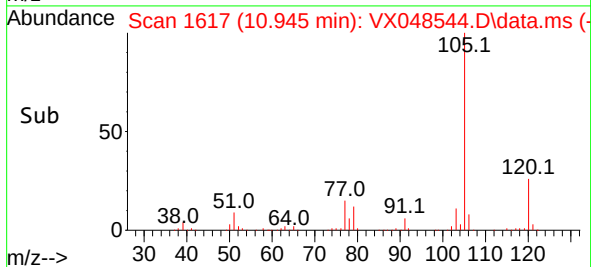
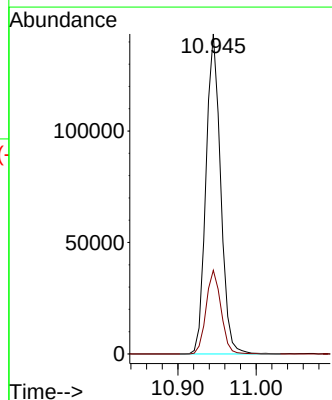
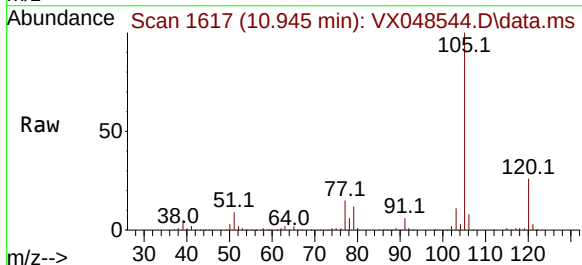
Instrument :
MSVOA_X
ClientSampleId :
MW-12

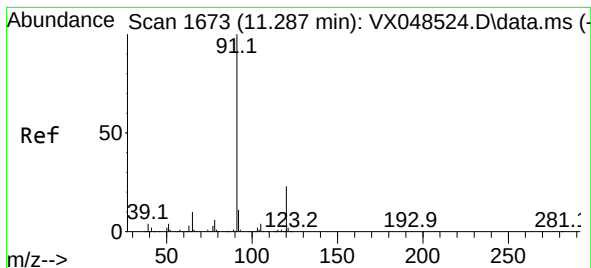
Tgt Ion:152 Resp: 188428
Ion Ratio Lower Upper
152 100
115 59.3 39.2 117.6
150 160.0 0.0 347.0



#73
Isopropylbenzene
Concen: 13.597 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048544.D
Acq: 10 Nov 2025 16:49

Tgt Ion:105 Resp: 185976
Ion Ratio Lower Upper
105 100
120 26.6 13.6 40.7





#78

n-propylbenzene

Concen: 1.027 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048544.D

Acq: 10 Nov 2025 16:49

Instrument :

MSVOA_X

ClientSampleId :

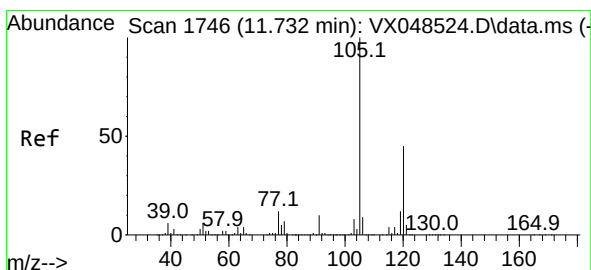
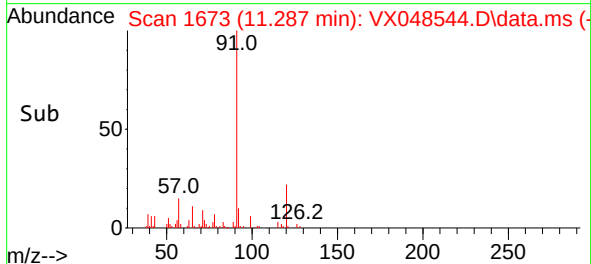
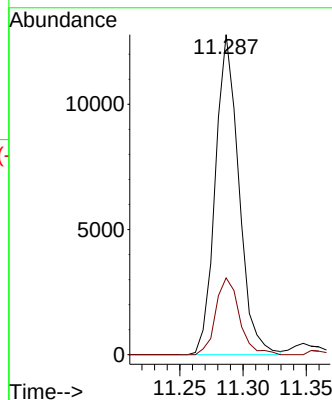
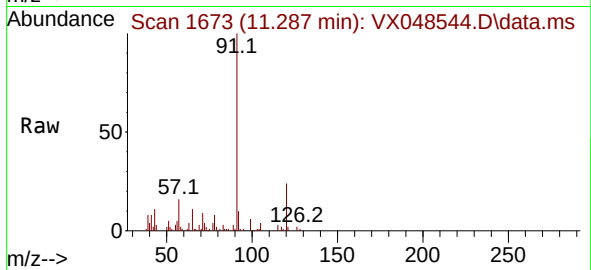
MW-12

Tgt Ion: 91 Resp: 16519

Ion Ratio Lower Upper

91 100

120 24.0 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 0.317 ug/l

RT: 11.738 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VX048544.D

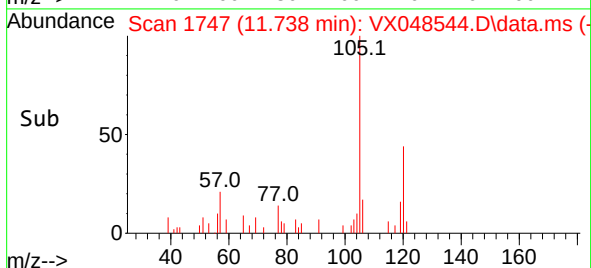
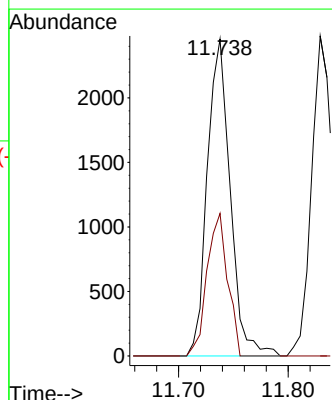
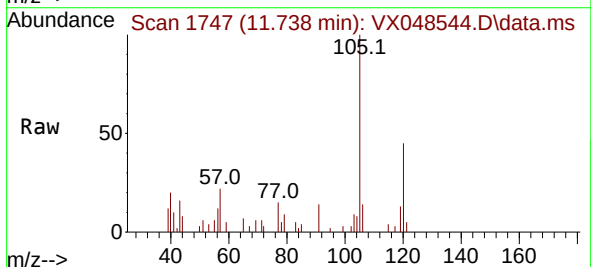
Acq: 10 Nov 2025 16:49

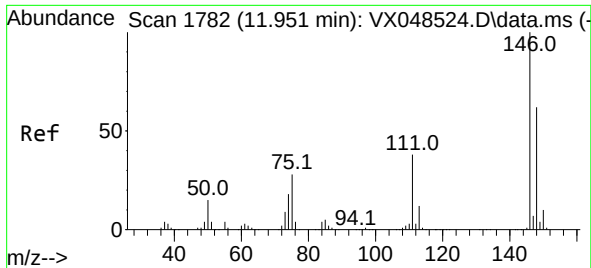
Tgt Ion: 105 Resp: 3570

Ion Ratio Lower Upper

105 100

120 40.4 22.4 67.0





#87

1,3-Dichlorobenzene

Concen: 0.283 ug/l

RT: 11.951 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048544.D

Acq: 10 Nov 2025 16:49

Instrument :

MSVOA_X

ClientSampleId :

MW-12

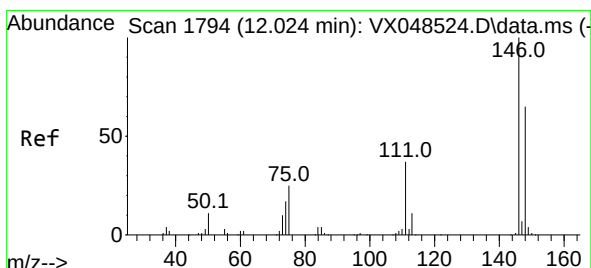
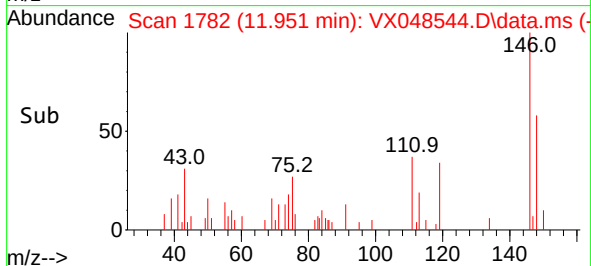
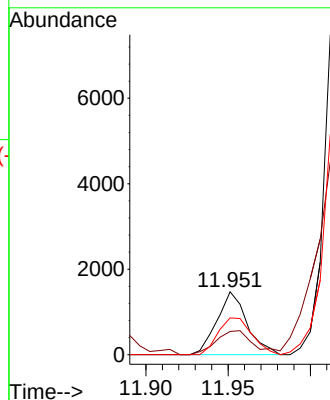
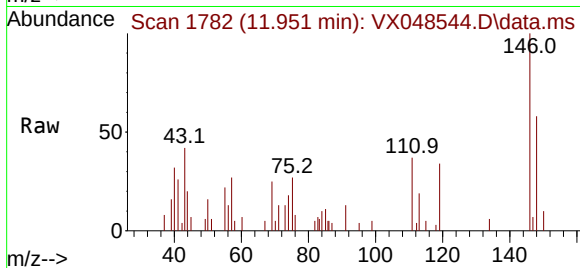
Tgt Ion:146 Resp: 1871

Ion Ratio Lower Upper

146 100

111 47.6 19.8 59.4

148 65.7 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 3.303 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX048544.D

Acq: 10 Nov 2025 16:49

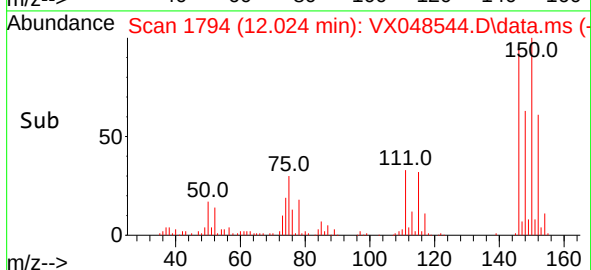
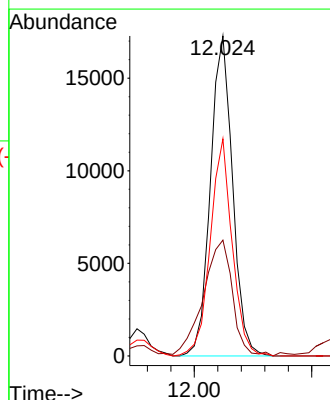
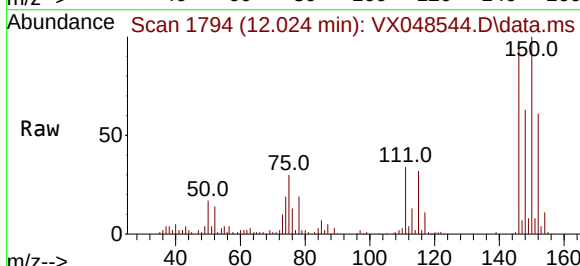
Tgt Ion:146 Resp: 22585

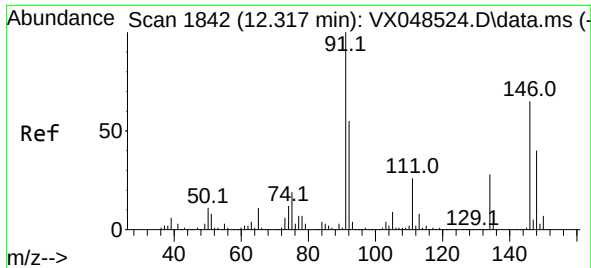
Ion Ratio Lower Upper

146 100

111 47.6 19.2 57.6

148 67.4 31.9 95.9





#91

1,2-Dichlorobenzene

Concen: 0.562 ug/l

RT: 12.323 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048544.D

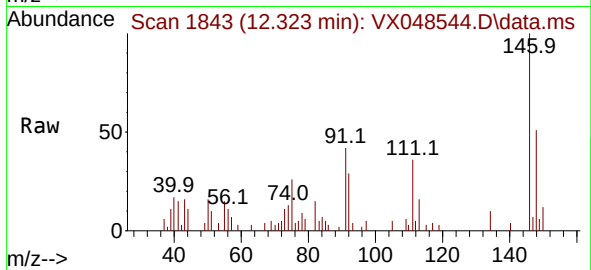
Acq: 10 Nov 2025 16:49

Instrument :

MSVOA_X

ClientSampleId :

MW-12



Tgt Ion:146 Resp: 3569

Ion Ratio Lower Upper

146 100

111 45.2 20.6 61.9

148 57.0 31.4 94.2

