

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048543.D
 Acq On : 10 Nov 2025 16:29
 Operator : JC/MD
 Sample : Q3569-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Nov 11 00:48:41 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)

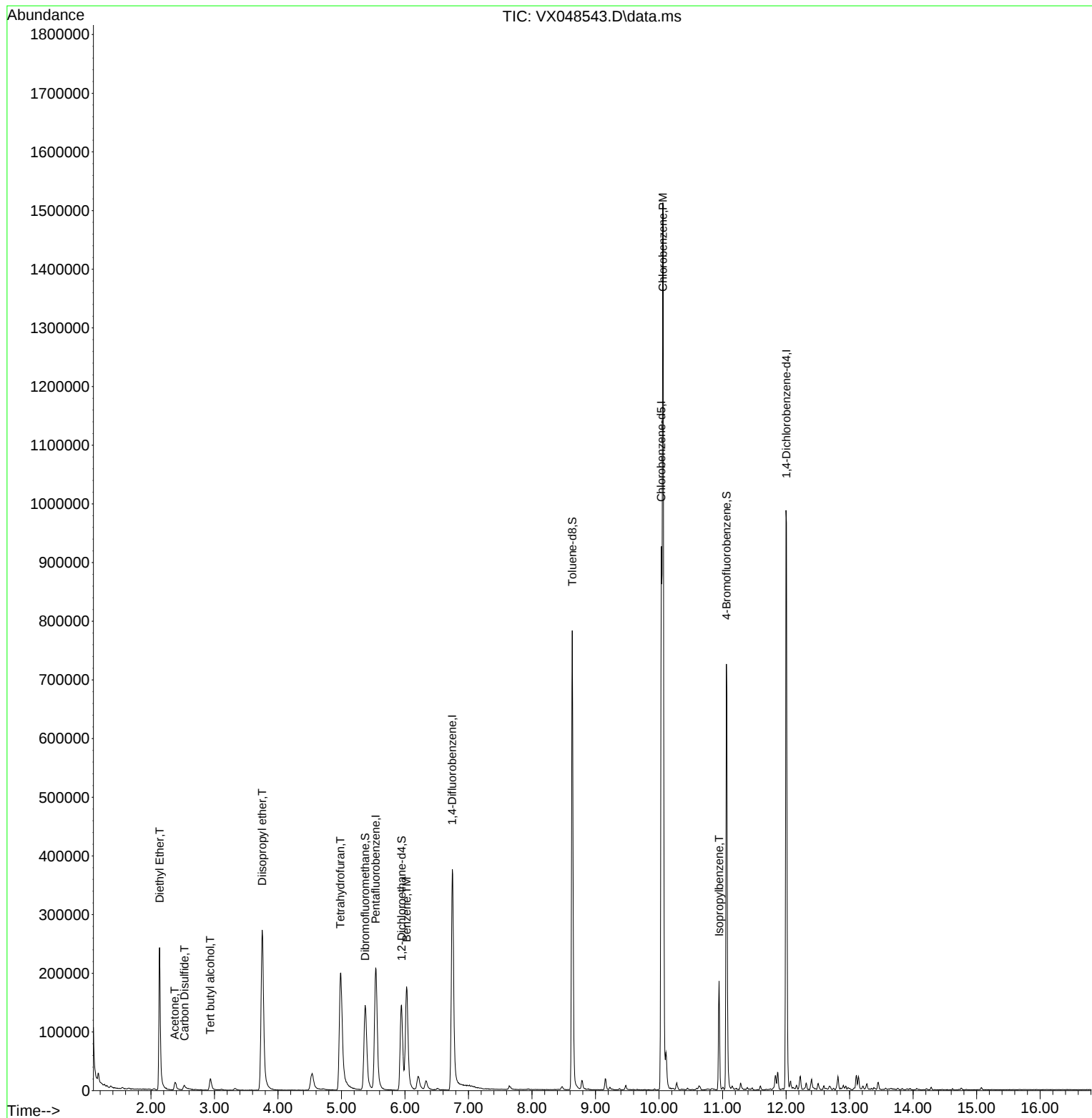
Internal Standards						
1) Pentafluorobenzene	5.538	168	226787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	431937	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	431296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	228614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	160723	50.860	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.720%		
35) Dibromofluoromethane	5.373	113	145632	44.547	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 89.100%		
50) Toluene-d8	8.635	98	497489	48.793	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.580%		
62) 4-Bromofluorobenzene	11.061	95	210524	55.405	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.820%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	102359	58.408	ug/l	99
11) Tert butyl alcohol	2.934	59	25525	42.627	ug/l	97
16) Acetone	2.373	43	12328	8.241	ug/l	97
17) Carbon Disulfide	2.526	76	17881	2.407	ug/l	99
22) Diisopropyl ether	3.751	45	346305	36.691	ug/l #	50
29) Tetrahydrofuran	4.983	42	238120	150.876	ug/l	95
40) Benzene	6.025	78	237868	17.530	ug/l	100
65) Chlorobenzene	10.061	112	675136	65.951	ug/l	98
73) Isopropylbenzene	10.945	105	98271	5.922	ug/l	98

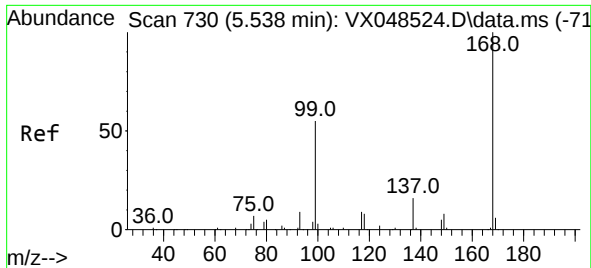
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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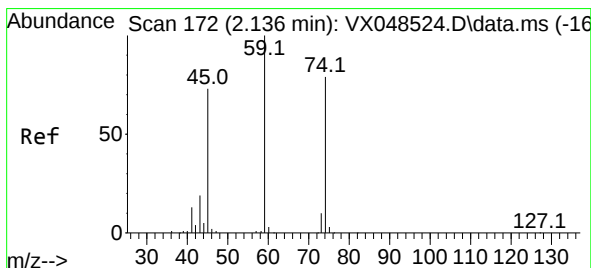
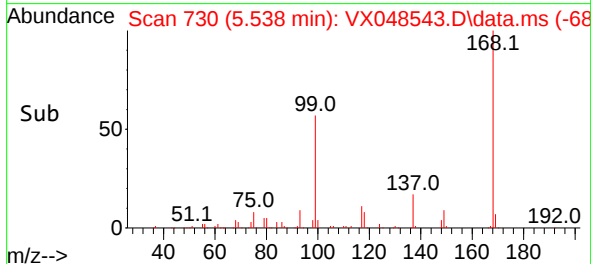
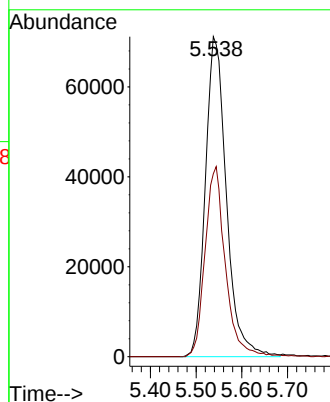
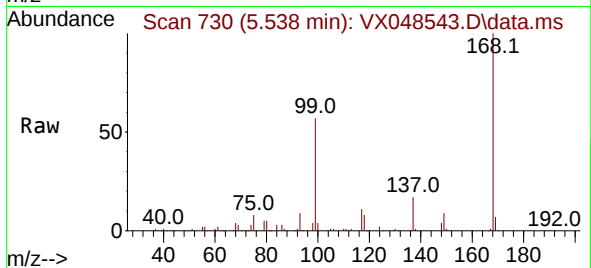




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

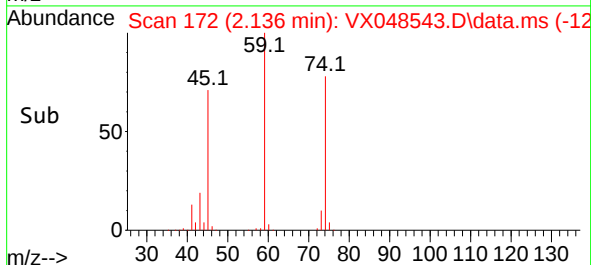
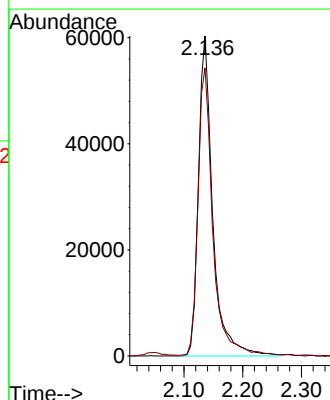
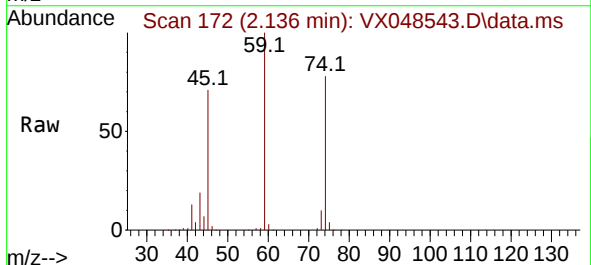
Instrument :
MSVOA_X
ClientSampleId :
MW-2

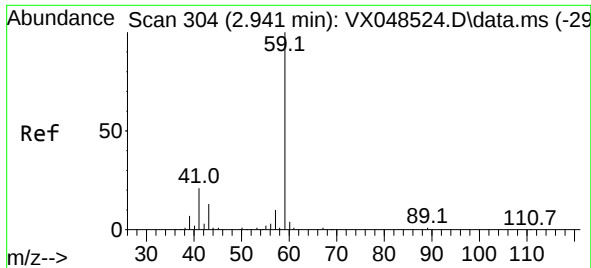
Tgt Ion:168 Resp: 226787
Ion Ratio Lower Upper
168 100
99 57.2 45.2 67.8



#8
Diethyl Ether
Concen: 58.408 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

Tgt Ion: 74 Resp: 102359
Ion Ratio Lower Upper
74 100
45 93.0 45.9 137.6

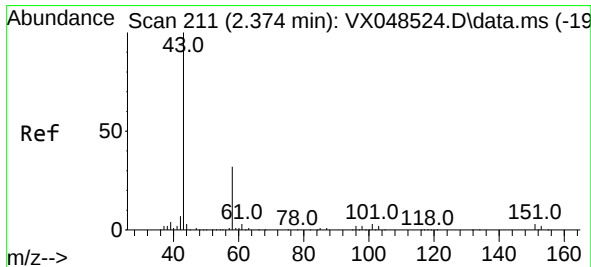
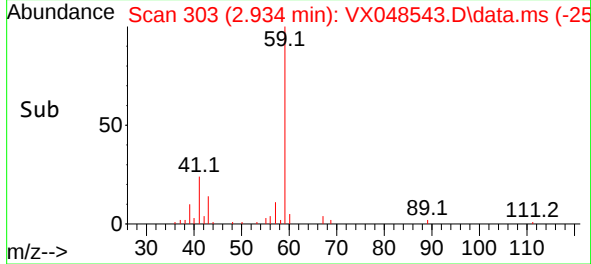
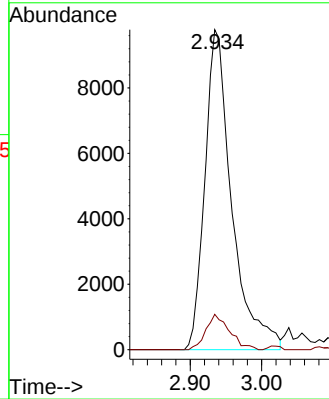
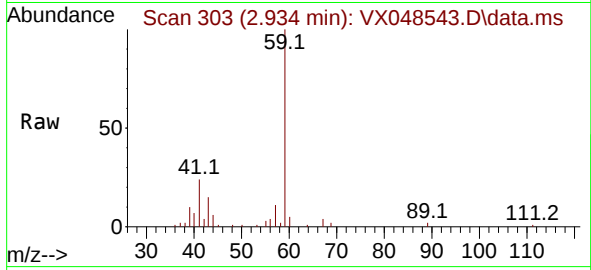




#11
Tert butyl alcohol
Concen: 42.627 ug/l
RT: 2.934 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

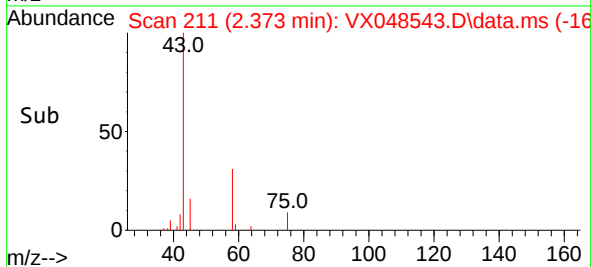
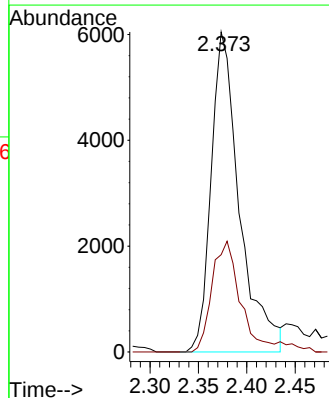
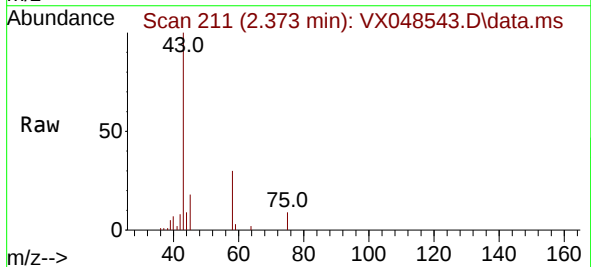
Instrument :
MSVOA_X
ClientSampleId :
MW-2

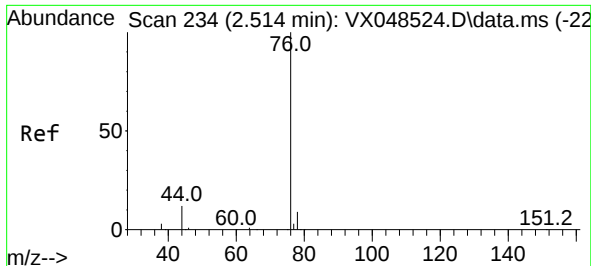
Tgt Ion: 59 Resp: 25525
Ion Ratio Lower Upper
59 100
57 9.7 8.6 13.0



#16
Acetone
Concen: 8.241 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

Tgt Ion: 43 Resp: 12328
Ion Ratio Lower Upper
43 100
58 30.4 25.8 38.6

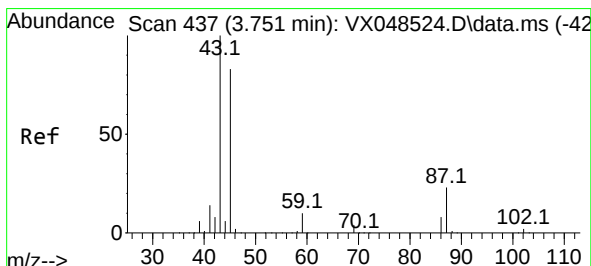
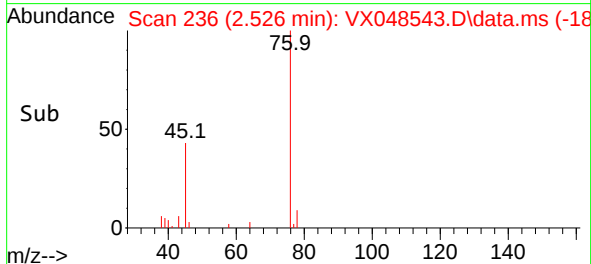
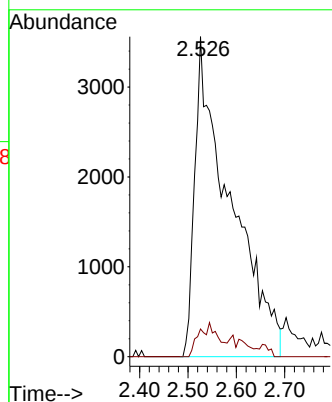
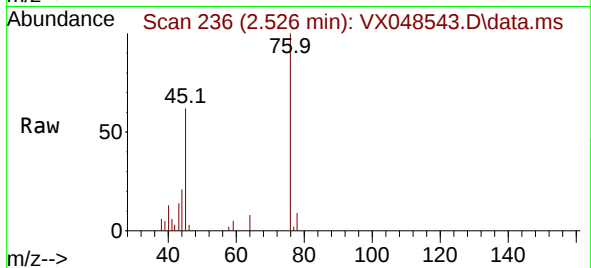




#17
Carbon Disulfide
Concen: 2.407 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

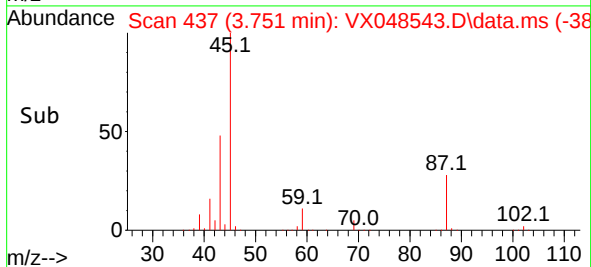
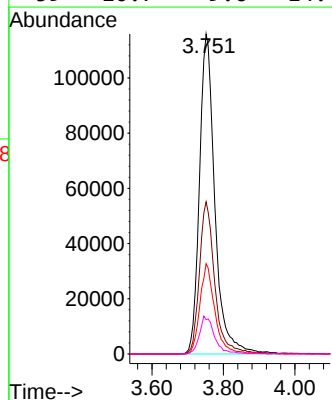
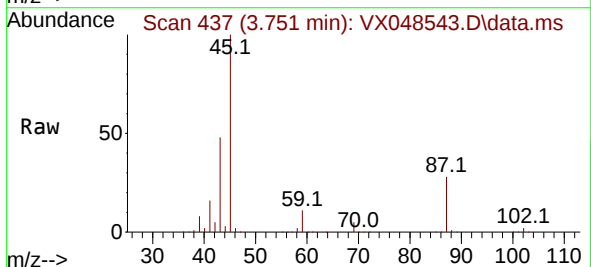
Instrument :
MSVOA_X
ClientSampleId :
MW-2

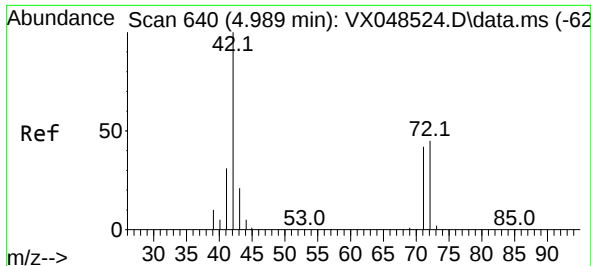
Tgt Ion: 76 Resp: 17881
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#22
Diisopropyl ether
Concen: 36.691 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

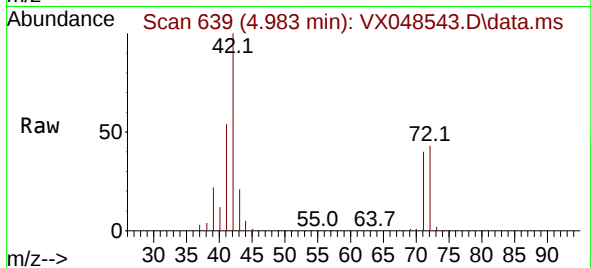
Tgt Ion: 45 Resp: 346305
Ion Ratio Lower Upper
45 100
43 47.5 96.4 144.6#
87 28.2 21.8 32.6
59 10.7 9.6 14.4



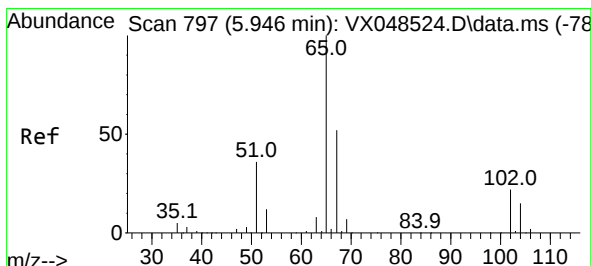
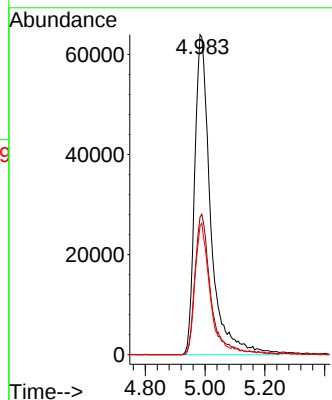
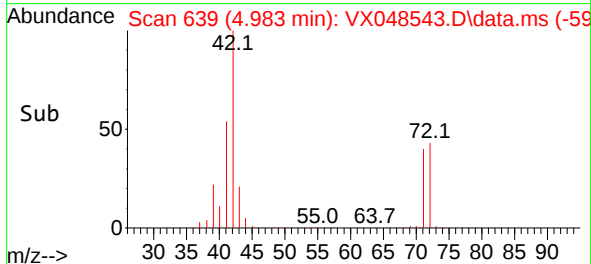


#29
Tetrahydrofuran
Concen: 150.876 ug/l
RT: 4.983 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

Instrument :
MSVOA_X
ClientSampleId :
MW-2

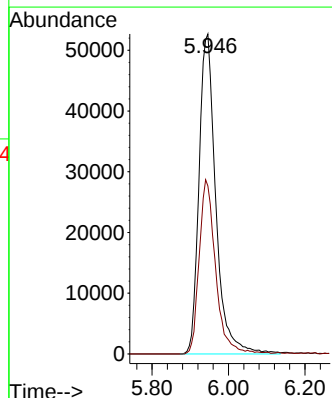
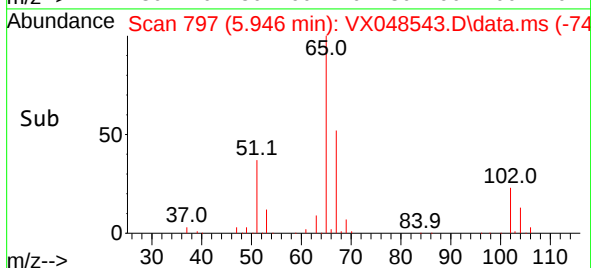
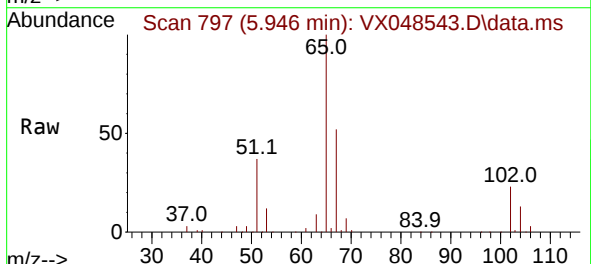


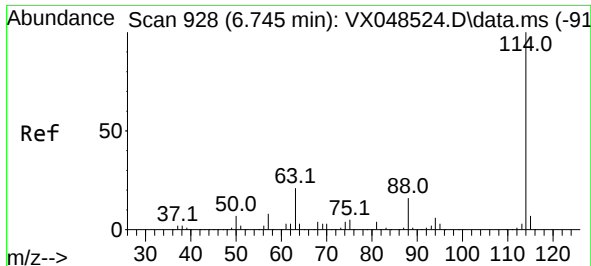
Tgt Ion: 42 Resp: 238120
Ion Ratio Lower Upper
42 100
72 43.1 36.3 54.5
71 37.9 34.1 51.1



#33
1,2-Dichloroethane-d4
Concen: 50.860 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

Tgt Ion: 65 Resp: 160723
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.2

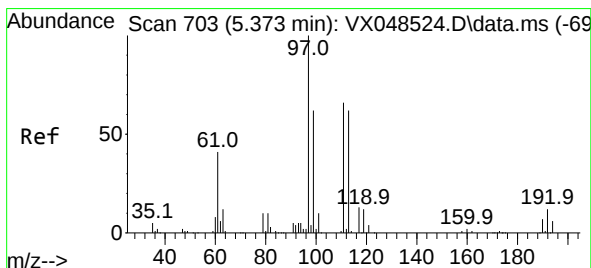
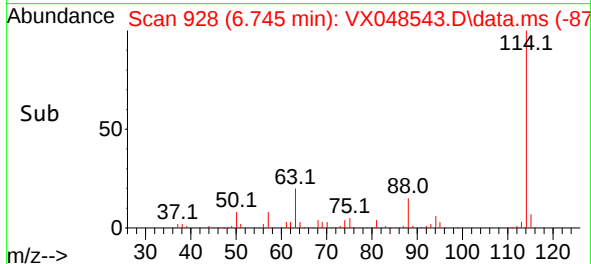
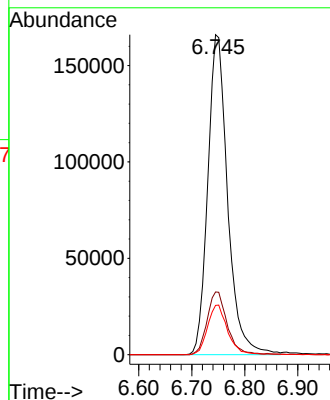
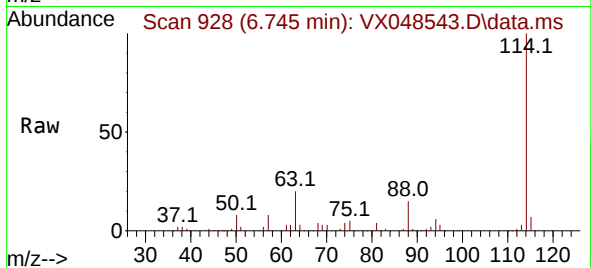




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

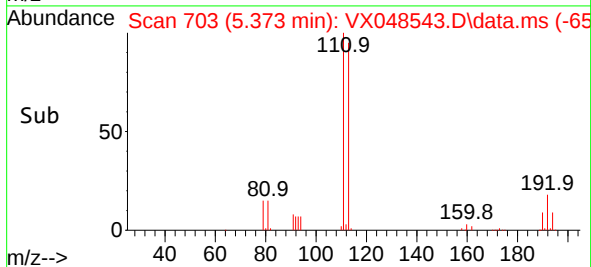
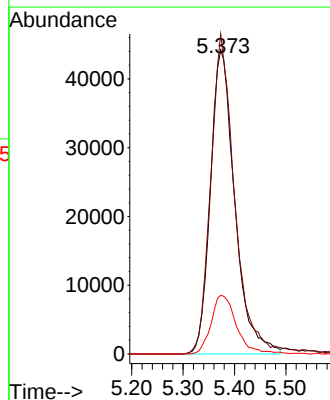
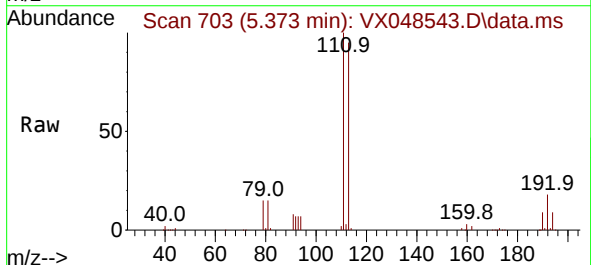
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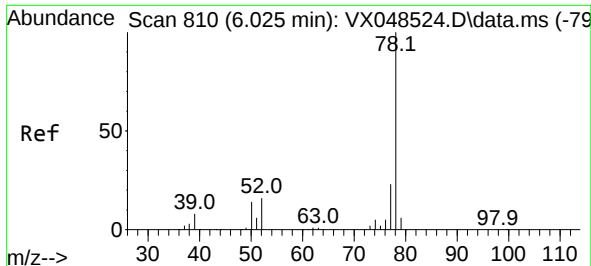
Tgt Ion:114 Resp: 431937
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.2
88 15.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 44.547 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

Tgt Ion:113 Resp: 145632
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 20.1 15.8 23.6

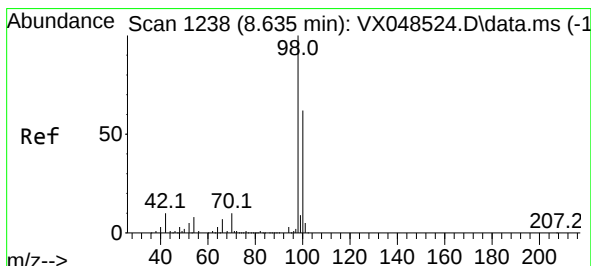
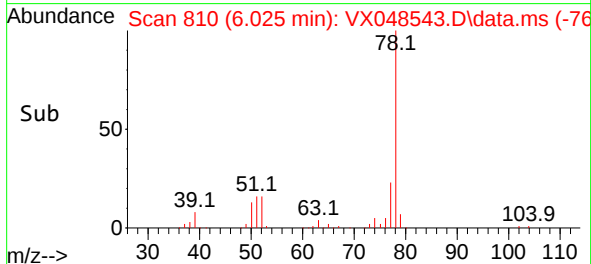
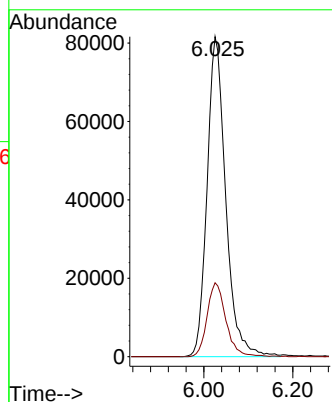
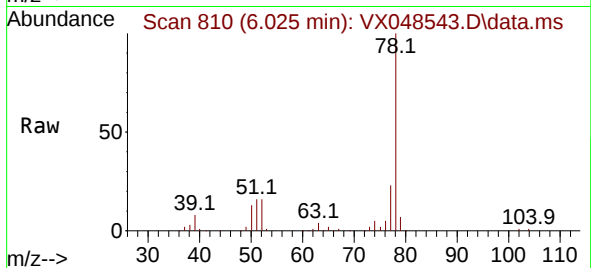




#40
Benzene
Concen: 17.530 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

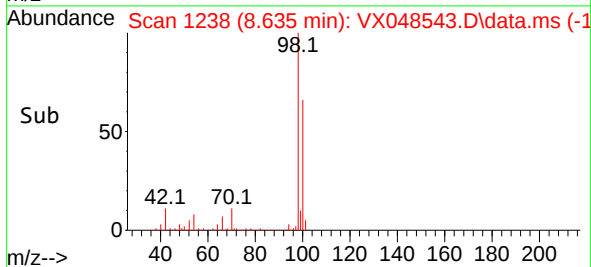
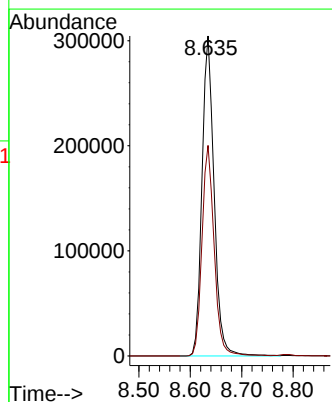
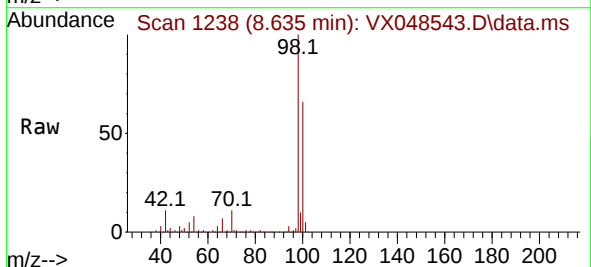
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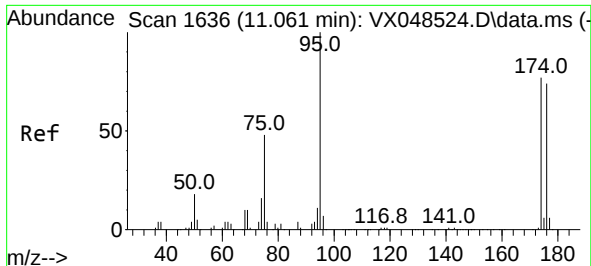
Tgt Ion: 78 Resp: 237868
Ion Ratio Lower Upper
78 100
77 23.1 18.3 27.5



#50
Toluene-d8
Concen: 48.793 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

Tgt Ion: 98 Resp: 497489
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4





#62

4-Bromofluorobenzene

Concen: 55.405 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048543.D

Acq: 10 Nov 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

MW-2

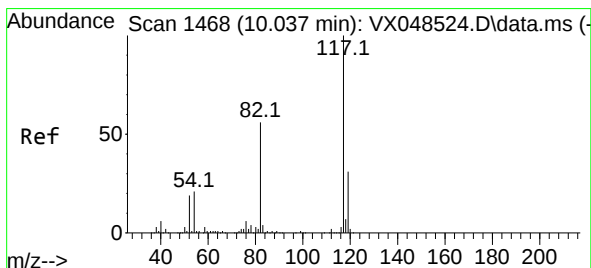
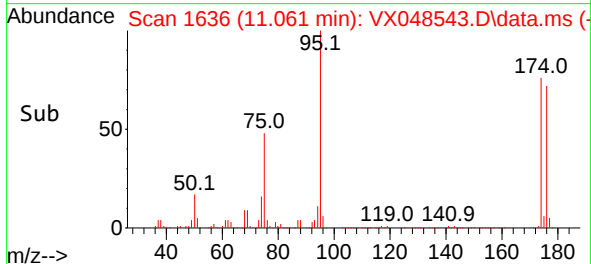
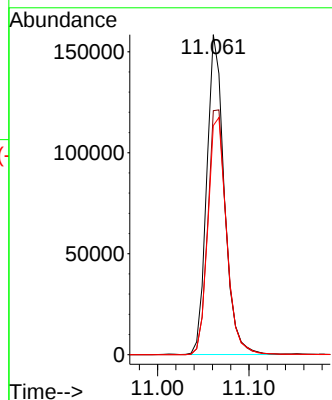
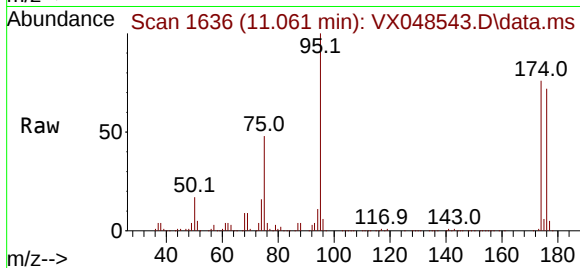
Tgt Ion: 95 Resp: 210524

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.8

176 79.0 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: VX048543.D

Acq: 10 Nov 2025 16:29

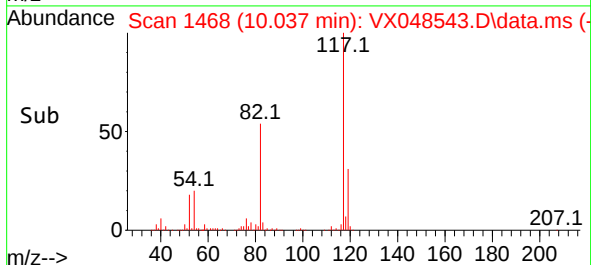
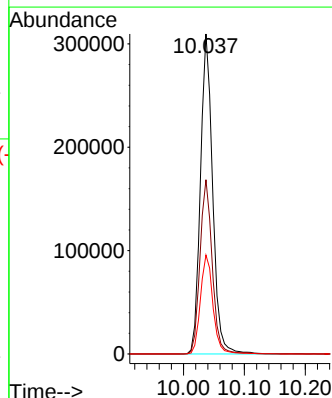
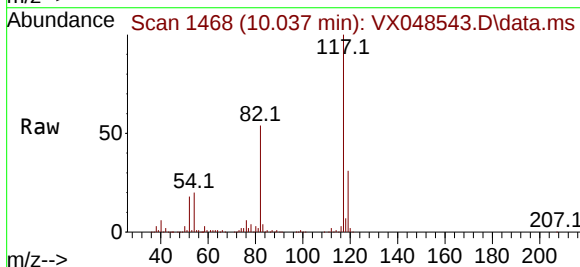
Tgt Ion: 117 Resp: 431296

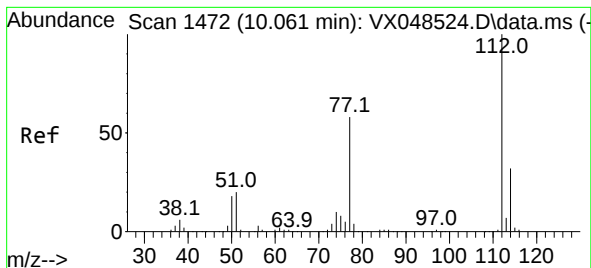
Ion Ratio Lower Upper

117 100

82 54.4 44.4 66.6

119 30.9 25.1 37.7

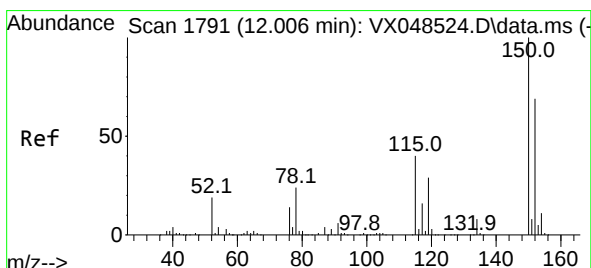
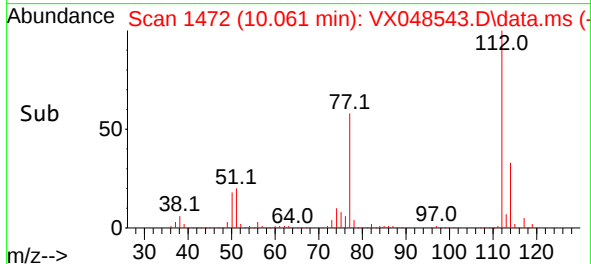
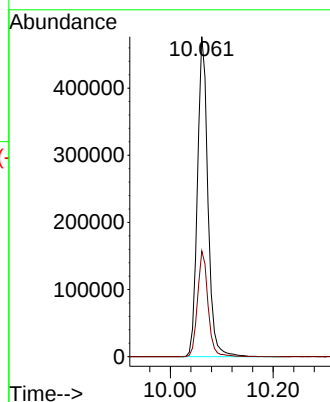
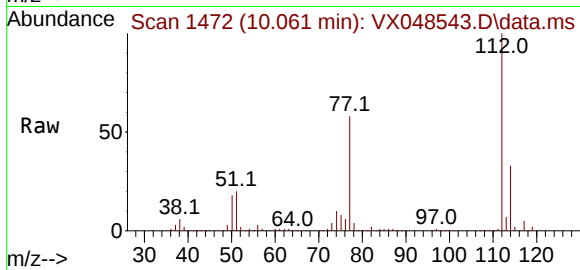




#65
Chlorobenzene
Concen: 65.951 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048543.D
Acq: 10 Nov 2025 16:29

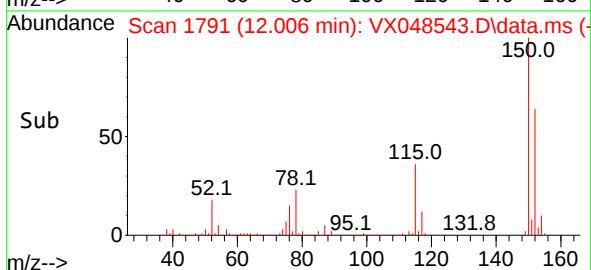
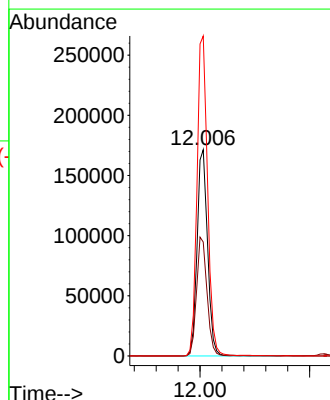
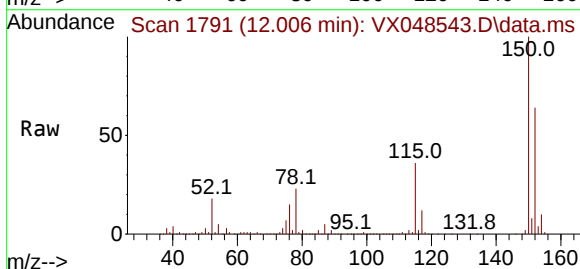
Instrument :
MSVOA_X
ClientSampleId :
MW-2

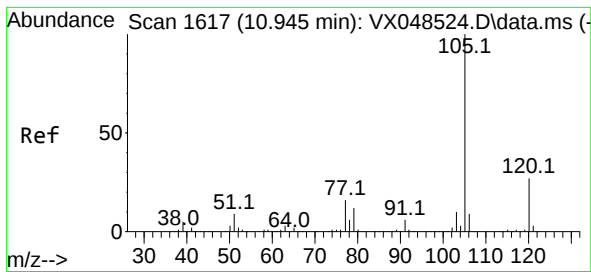
Tgt Ion:112 Resp: 675136
Ion Ratio Lower Upper
112 100
114 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048543.D
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Tgt Ion:152 Resp: 228614
Ion Ratio Lower Upper
152 100
115 57.6 39.2 117.6
150 156.2 0.0 347.0





#73

Isopropylbenzene

Concen: 5.922 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048543.D

Acq: 10 Nov 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tgt Ion:105 Resp: 98271

Ion Ratio Lower Upper

105 100

120 26.3 13.6 40.7

