

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048275.D
 Acq On : 21 Oct 2025 17:07
 Operator : JC/MD
 Sample : Q3361-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VOA 251015111-01DL

Quant Time: Oct 24 04:29:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

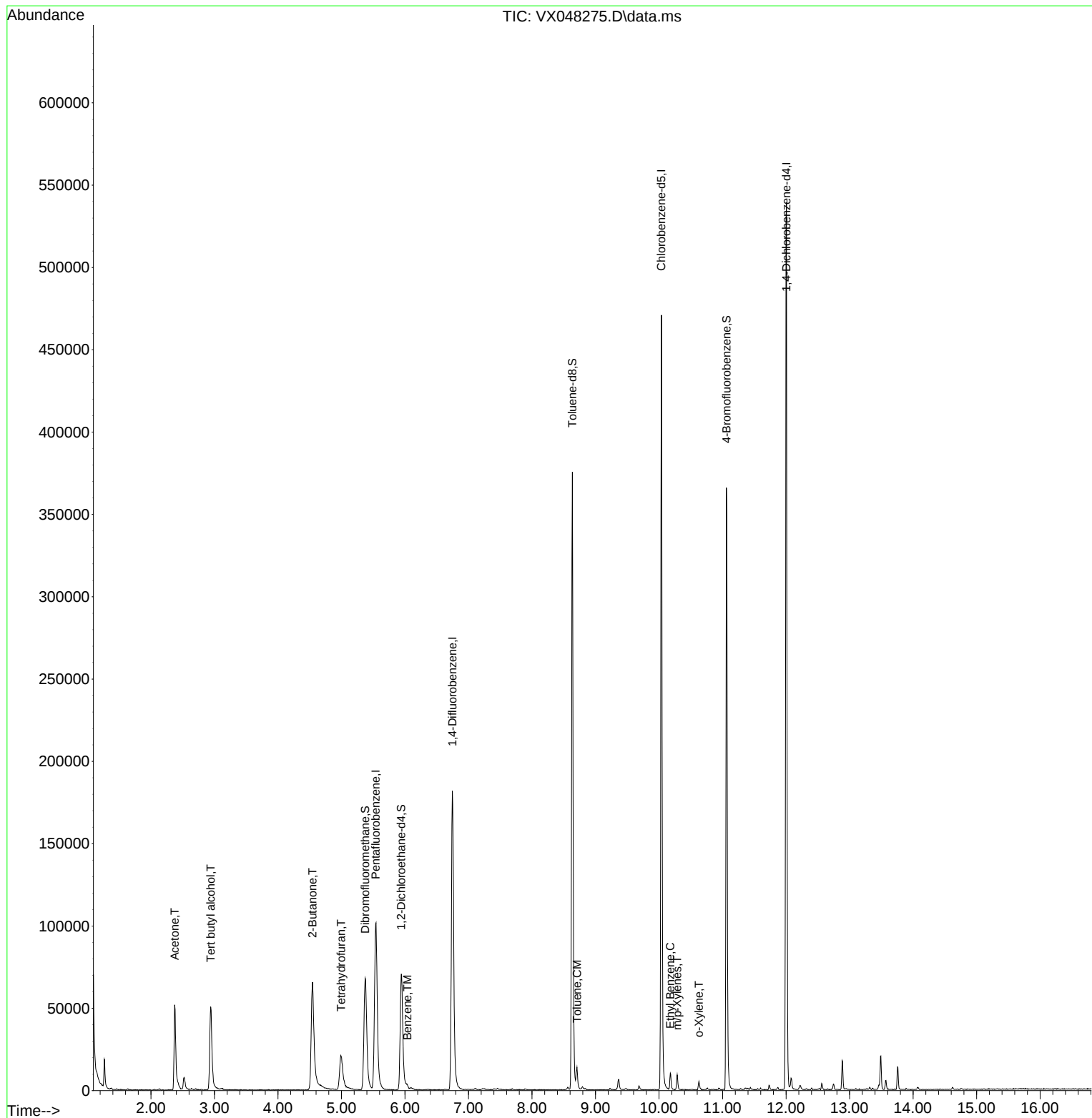
Internal Standards						
1) Pentafluorobenzene	5.538	168	105623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	200756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	218533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	81387	54.957	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.920%
35) Dibromofluoromethane	5.373	113	66301	48.375	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
50) Toluene-d8	8.635	98	229978	47.873	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.740%
62) 4-Bromofluorobenzene	11.061	95	105847	57.917	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	58478	397.713	ug/l	96
16) Acetone	2.373	43	64094	126.160	ug/l	99
25) 2-Butanone	4.544	43	99635	154.943	ug/l	94
29) Tetrahydrofuran	4.995	42	17863	46.383	ug/l	97
40) Benzene	6.037	78	2585	0.457	ug/l	96
52) Toluene	8.708	92	4593	1.278	ug/l	96
67) Ethyl Benzene	10.177	91	6450	0.771	ug/l	96
68) m/p-Xylenes	10.287	106	2155	0.693	ug/l	98
69) o-Xylene	10.628	106	1321	0.440	ug/l	82

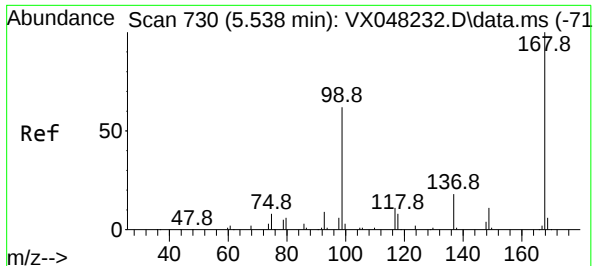
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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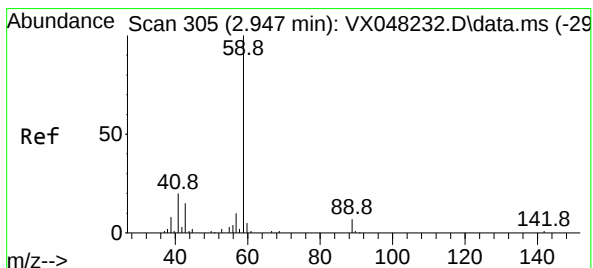
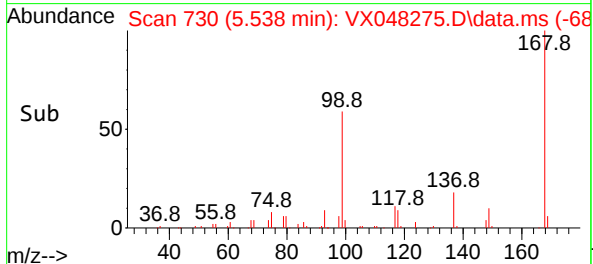
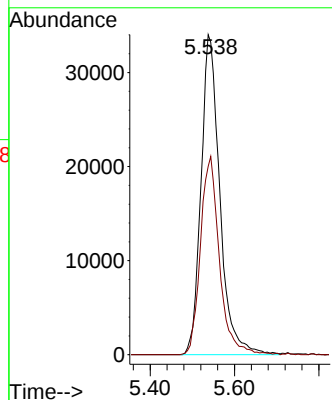
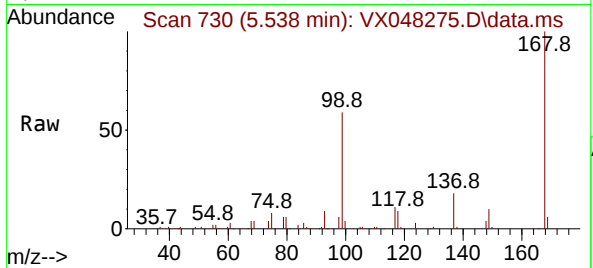




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

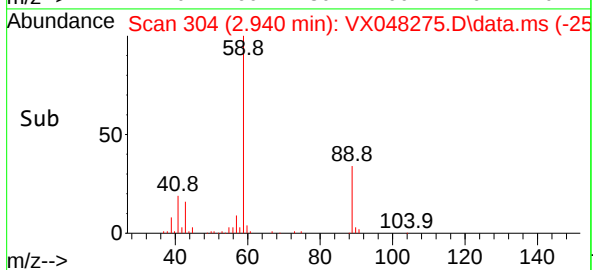
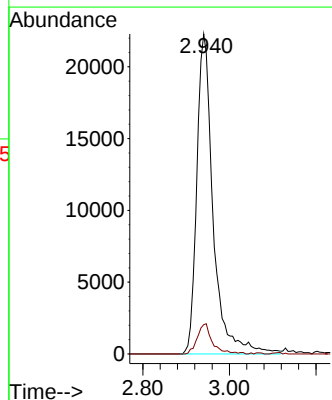
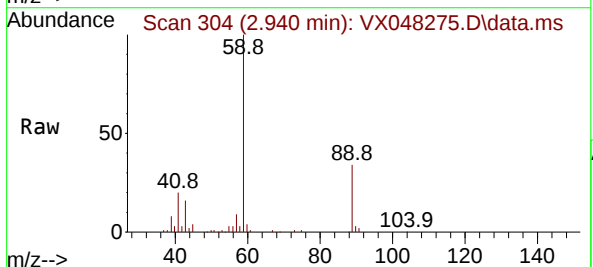
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015111-01DL

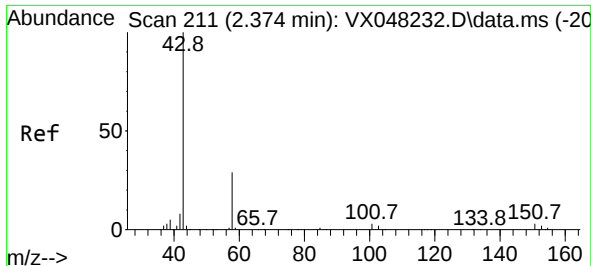
Tgt Ion:168 Resp: 105623
Ion Ratio Lower Upper
168 100
99 58.9 46.4 69.6



#11
Tert butyl alcohol
Concen: 397.713 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

Tgt Ion: 59 Resp: 58478
Ion Ratio Lower Upper
59 100
57 8.7 8.2 12.4

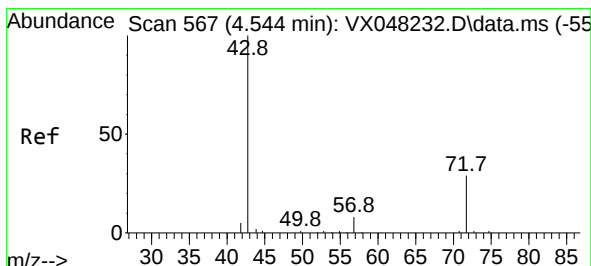
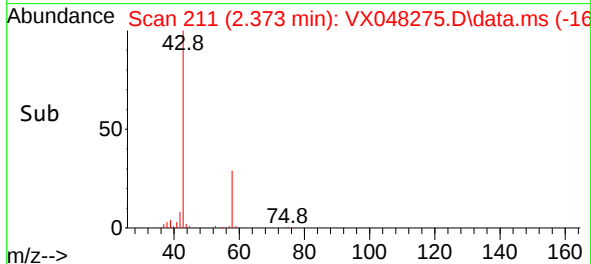
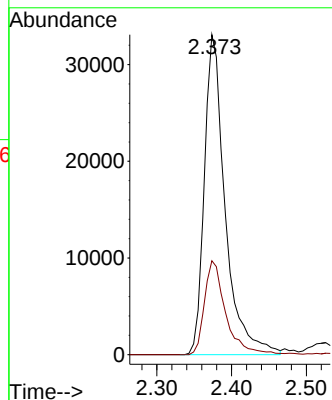
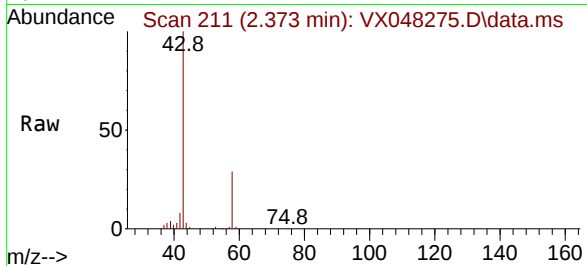




#16
Acetone
Concen: 126.160 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

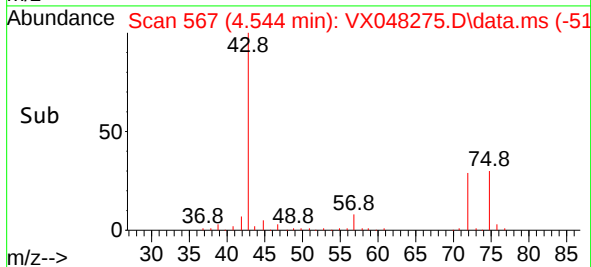
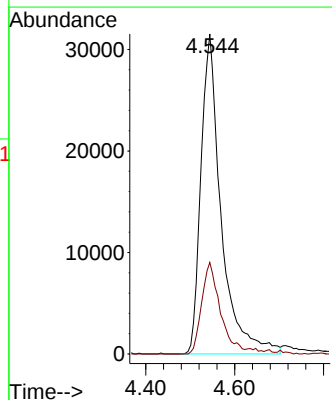
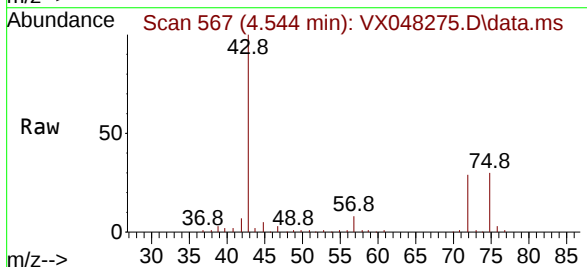
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015111-01DL

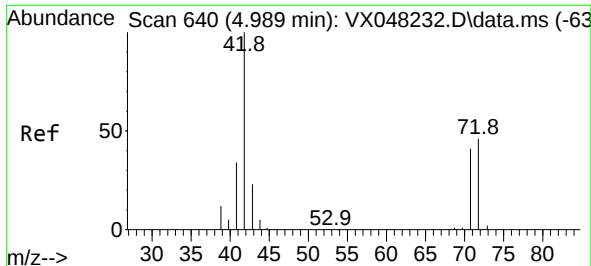
Tgt Ion: 43 Resp: 64094
Ion Ratio Lower Upper
43 100
58 28.6 23.4 35.2



#25
2-Butanone
Concen: 154.943 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

Tgt Ion: 43 Resp: 99635
Ion Ratio Lower Upper
43 100
72 28.1 19.9 29.9

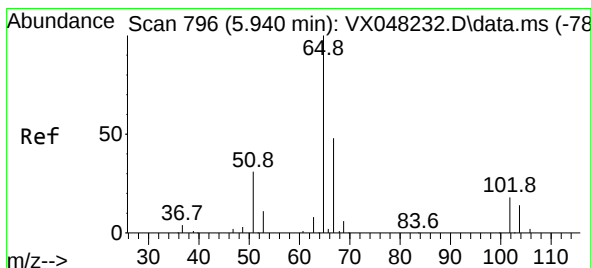
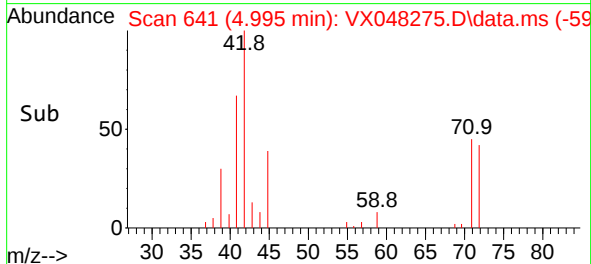
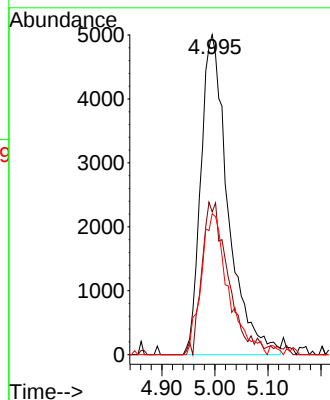
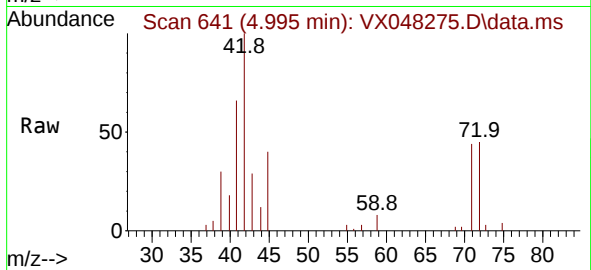




#29
Tetrahydrofuran
Concen: 46.383 ug/l
RT: 4.995 min Scan# 641
Delta R.T. 0.006 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

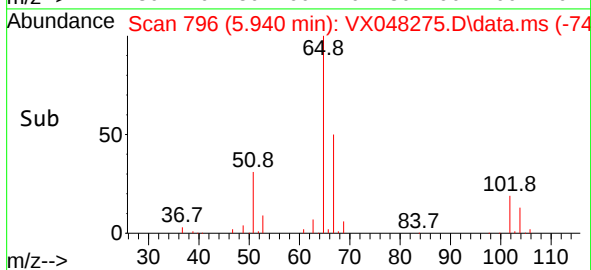
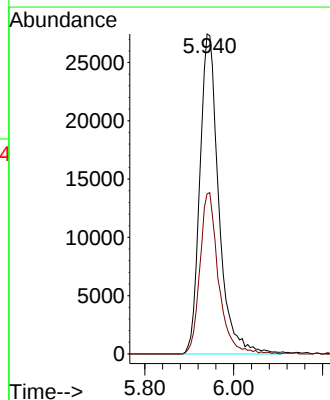
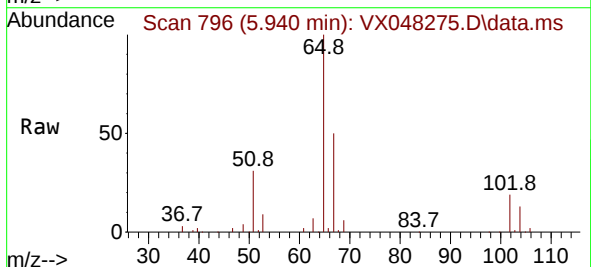
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015111-01DL

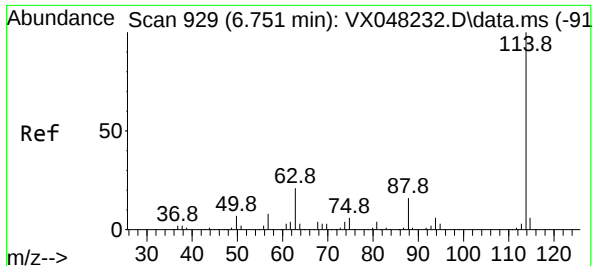
Tgt Ion: 42 Resp: 17863
Ion Ratio Lower Upper
42 100
72 44.4 35.3 52.9
71 43.9 32.2 48.4



#33
1,2-Dichloroethane-d4
Concen: 54.957 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

Tgt Ion: 65 Resp: 81387
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048275.D

Acq: 21 Oct 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

VOA 251015111-01DL

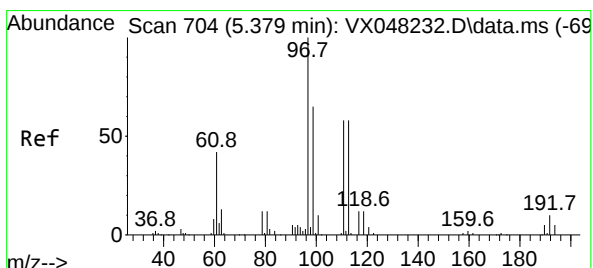
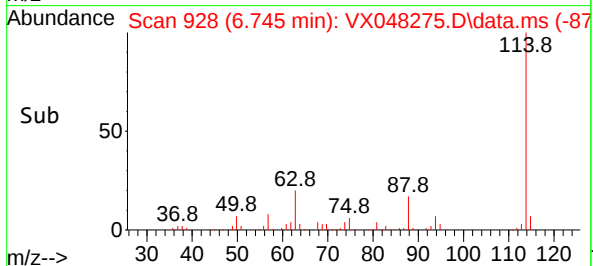
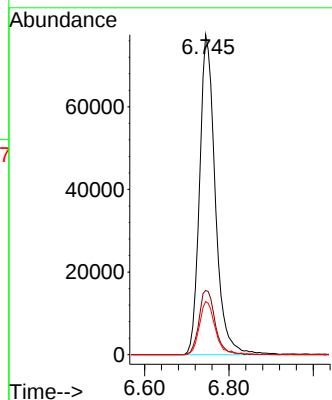
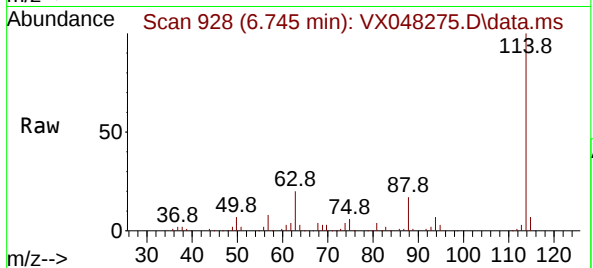
Tgt Ion:114 Resp: 200756

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 16.6 0.0 33.6



#35

Dibromofluoromethane

Concen: 48.375 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048275.D

Acq: 21 Oct 2025 17:07

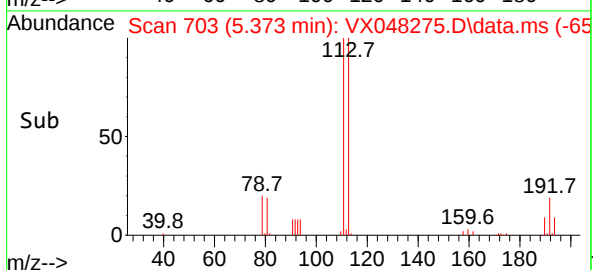
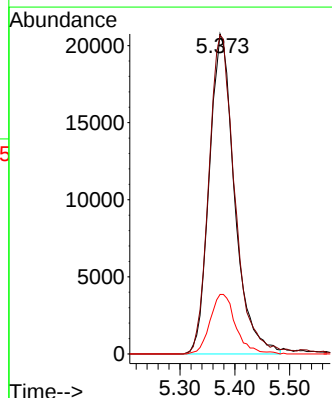
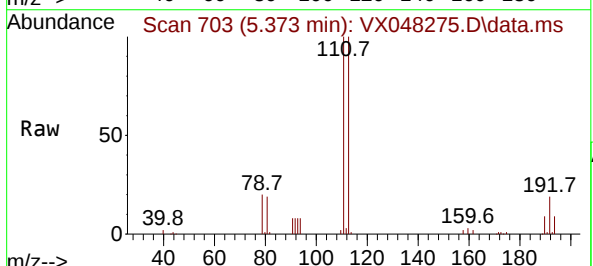
Tgt Ion:113 Resp: 66301

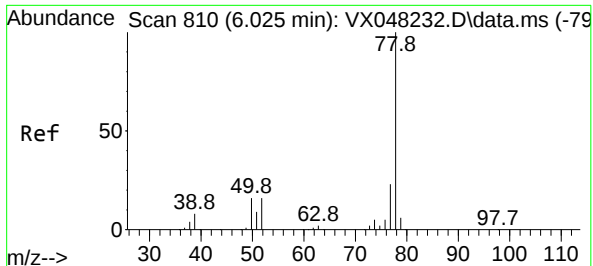
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 18.9 15.1 22.7

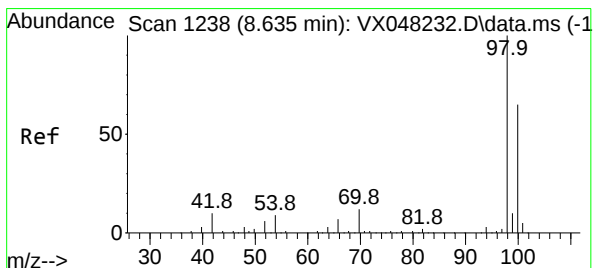
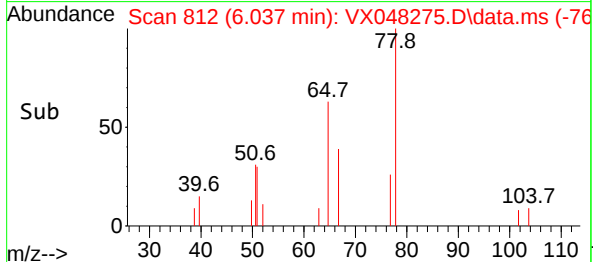
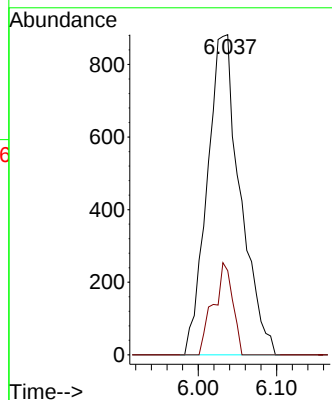
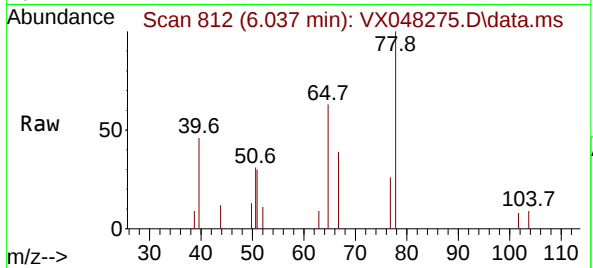




#40
Benzene
Concen: 0.457 ug/l
RT: 6.037 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

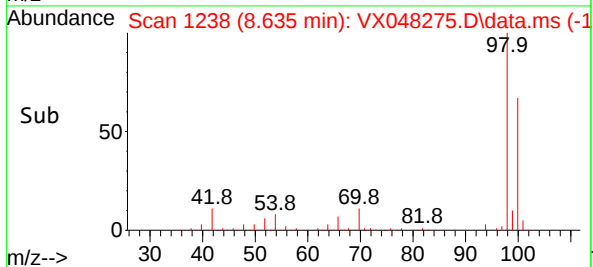
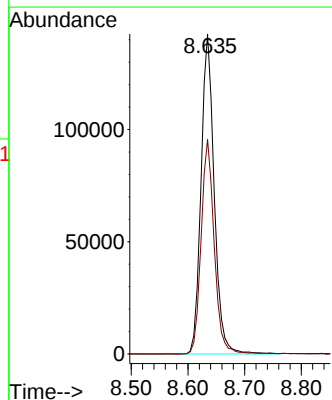
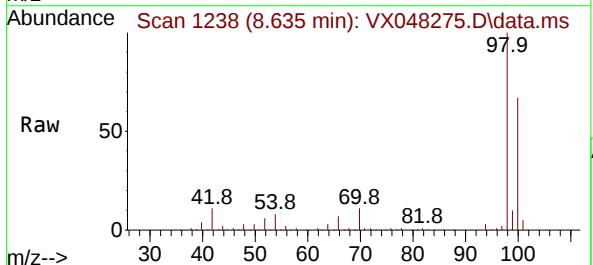
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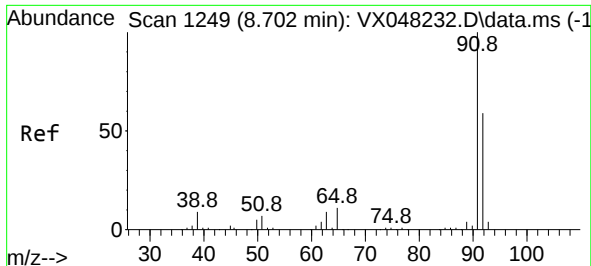
Tgt Ion: 78 Resp: 2585
Ion Ratio Lower Upper
78 100
77 26.3 19.3 28.9



#50
Toluene-d8
Concen: 47.873 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

Tgt Ion: 98 Resp: 229978
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

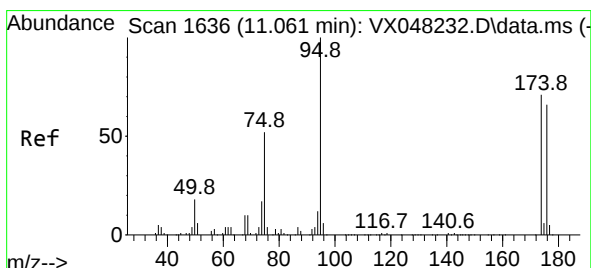
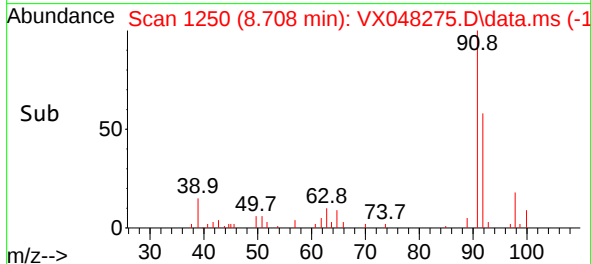
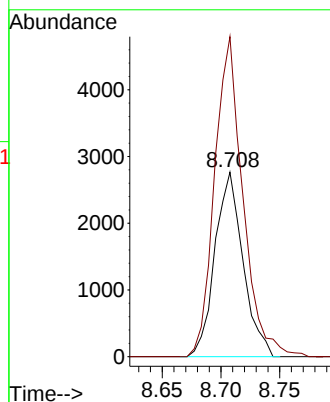
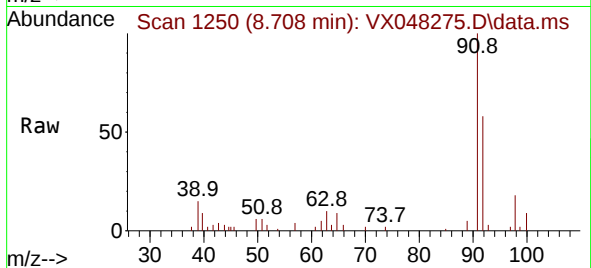




#52
Toluene
Concen: 1.278 ug/l
RT: 8.708 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

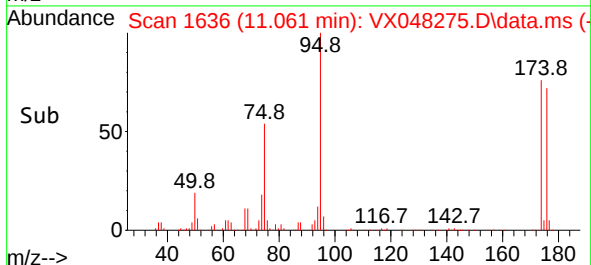
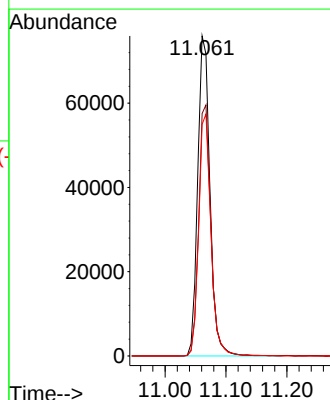
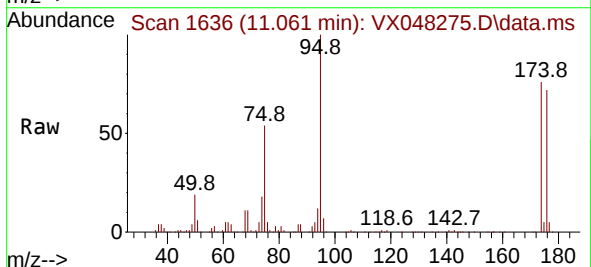
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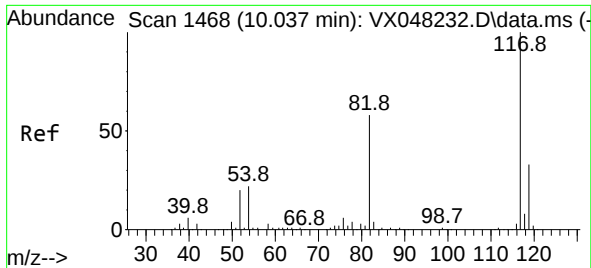
Tgt Ion: 92 Resp: 4593
Ion Ratio Lower Upper
92 100
91 175.0 136.1 204.1



#62
4-Bromofluorobenzene
Concen: 57.917 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

Tgt Ion: 95 Resp: 105847
Ion Ratio Lower Upper
95 100
174 78.0 0.0 147.8
176 75.4 0.0 142.8

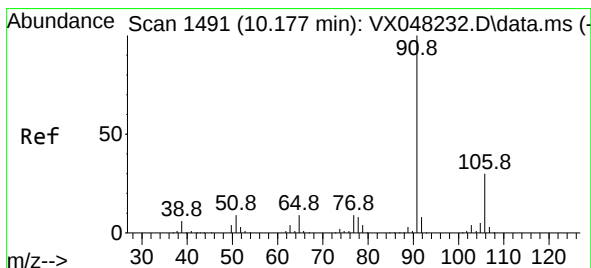
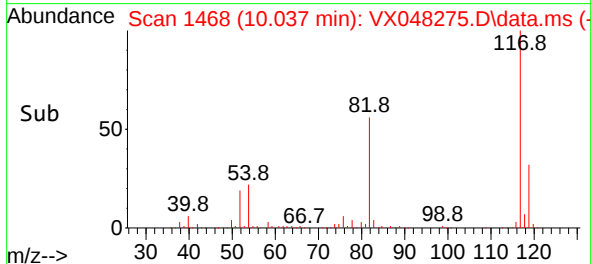
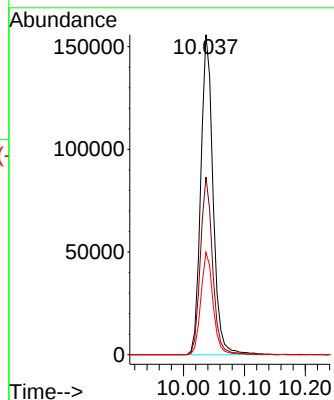
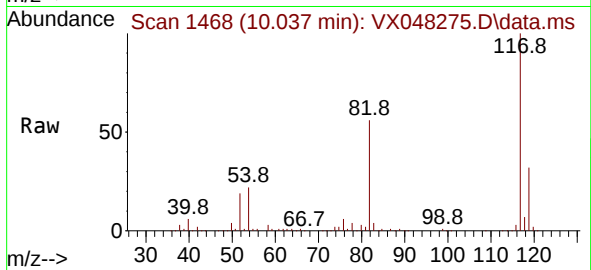




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

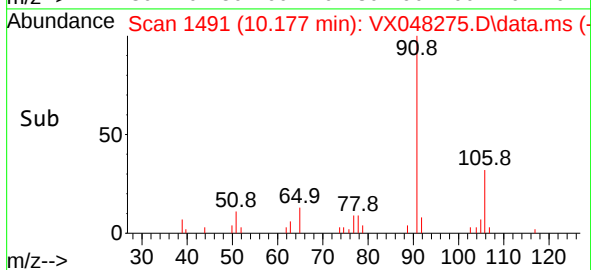
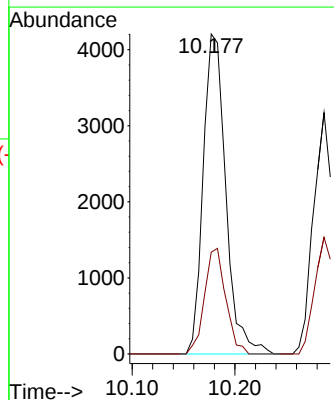
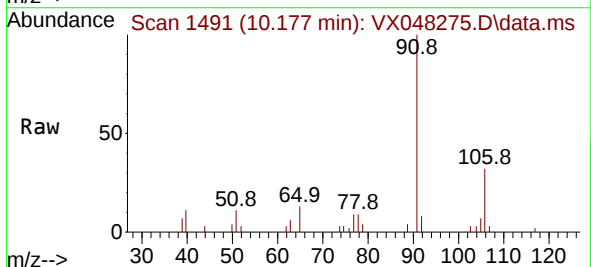
Instrument :
MSVOA_X
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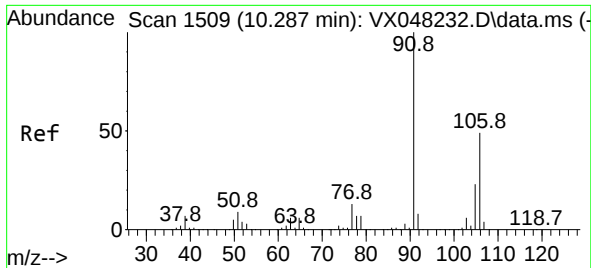
Tgt Ion:117 Resp: 218533
Ion Ratio Lower Upper
117 100
82 55.6 46.5 69.7
119 32.0 25.9 38.9



#67
Ethyl Benzene
Concen: 0.771 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

Tgt Ion: 91 Resp: 6450
Ion Ratio Lower Upper
91 100
106 31.8 23.8 35.6

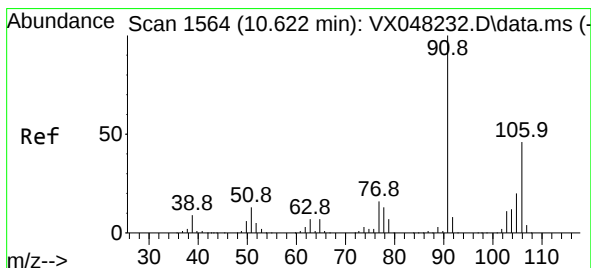
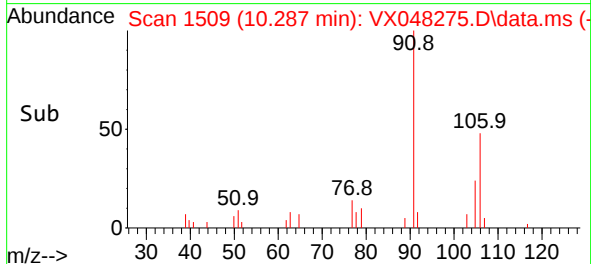
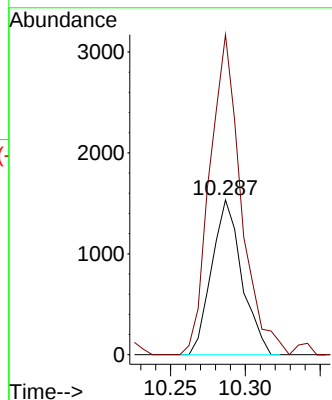
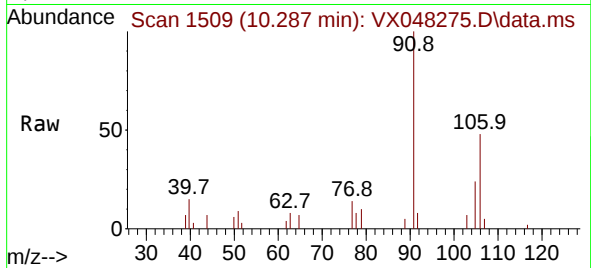




#68
m/p-Xylenes
Concen: 0.693 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

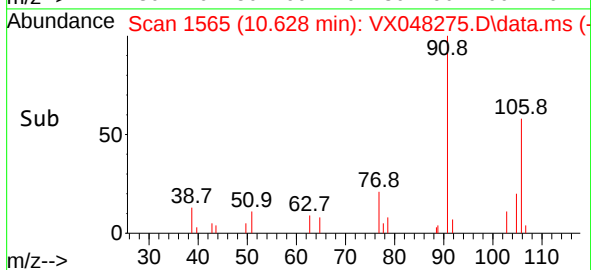
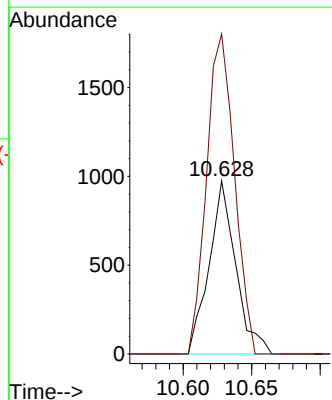
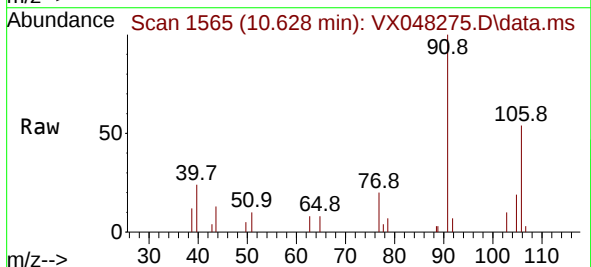
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015111-01DL

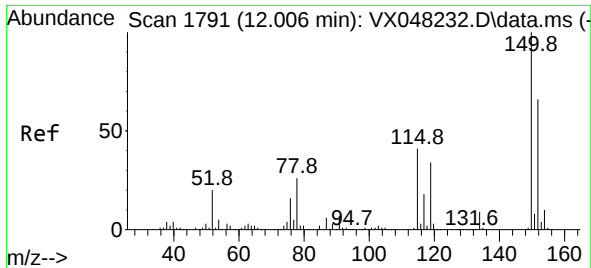
Tgt Ion:106 Resp: 2155
Ion Ratio Lower Upper
106 100
91 213.7 167.9 251.9



#69
o-Xylene
Concen: 0.440 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048275.D
Acq: 21 Oct 2025 17:07

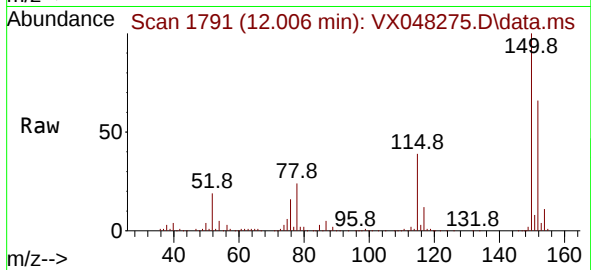
Tgt Ion:106 Resp: 1321
Ion Ratio Lower Upper
106 100
91 192.9 111.3 333.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048275.D
 Acq: 21 Oct 2025 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VOA 251015111-01DL



Tgt Ion:152 Resp: 120634
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.1 129.4
 150 157.6 0.0 353.0

