

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048680.D
 Acq On : 25 Nov 2025 13:21
 Operator : JC/MD
 Sample : Q3716-01DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW5DL

Quant Time: Nov 26 01:00:24 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)

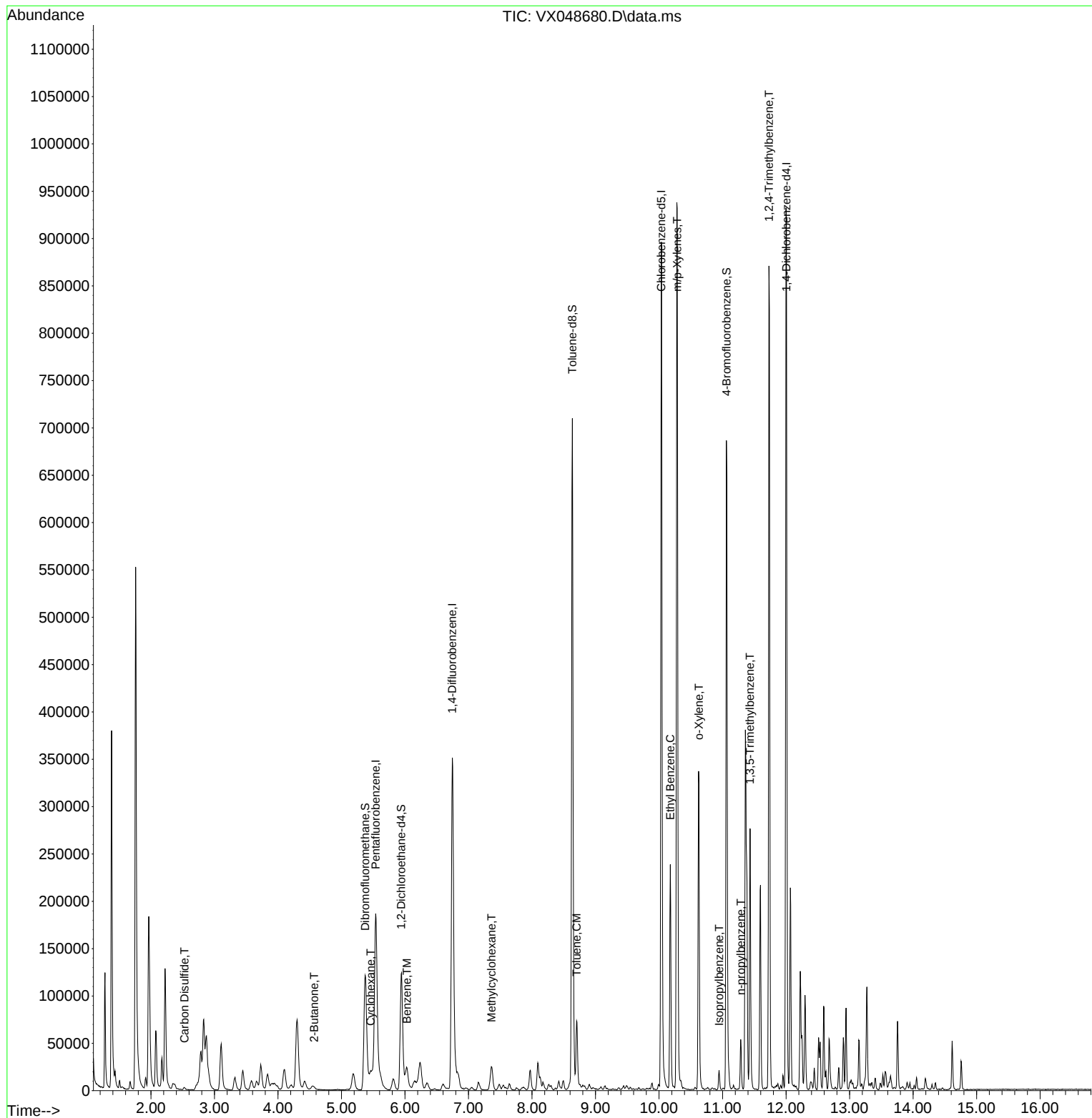
Internal Standards						
1) Pentafluorobenzene	5.538	168	188025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	394286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	417381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	206563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	134734	51.426	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.860%	
35) Dibromofluoromethane	5.373	113	120799	40.479	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 80.960%	
50) Toluene-d8	8.635	98	448226	48.159	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	11.061	95	193757	55.862	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.720%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	2.526	76	3142	0.510	ug/l #	94
25) 2-Butanone	4.568	43	4080	2.224	ug/l #	87
31) Cyclohexane	5.458	56	13056	3.711	ug/l	94
39) Methylcyclohexane	7.360	83	10392	2.316	ug/l	93
40) Benzene	6.031	78	27908	2.253	ug/l	100
52) Toluene	8.702	92	29136	4.468	ug/l	98
67) Ethyl Benzene	10.177	91	141230	8.490	ug/l	100
68) m/p-Xylenes	10.287	106	244235	38.982	ug/l	98
69) o-Xylene	10.628	106	80092	13.066	ug/l	97
73) Isopropylbenzene	10.945	105	10575	0.705	ug/l	98
78) n-propylbenzene	11.287	91	34357	1.949	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	120331	9.845	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	406527	32.963	ug/l	98

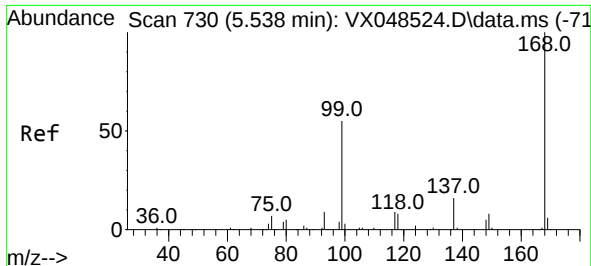
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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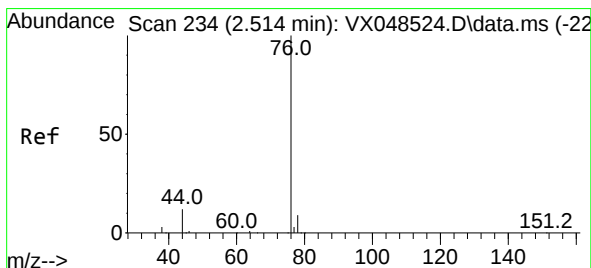
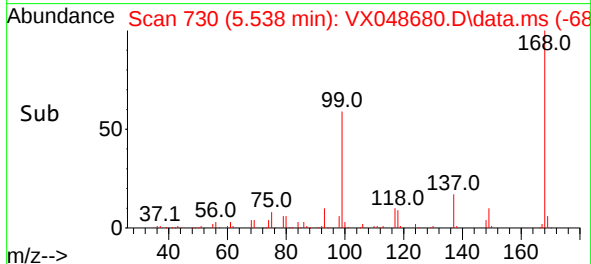
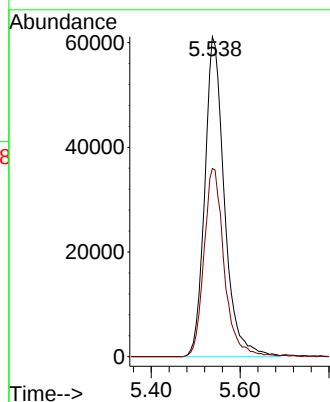
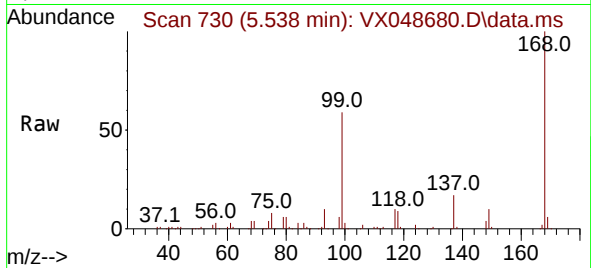




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

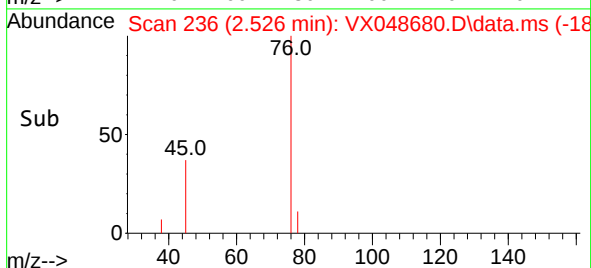
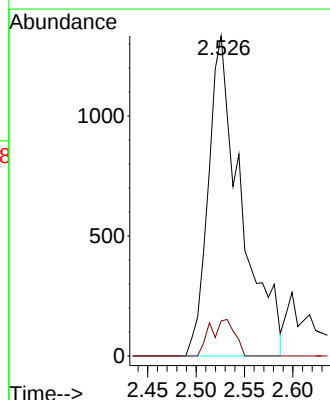
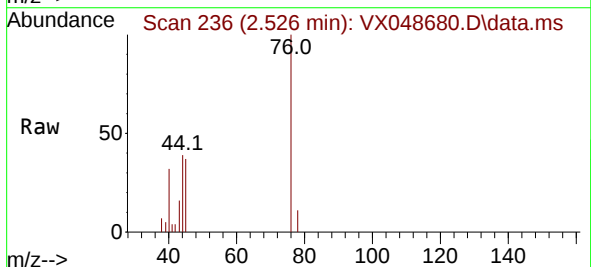
Instrument :
MSVOA_X
ClientSampleId :
MW5DL

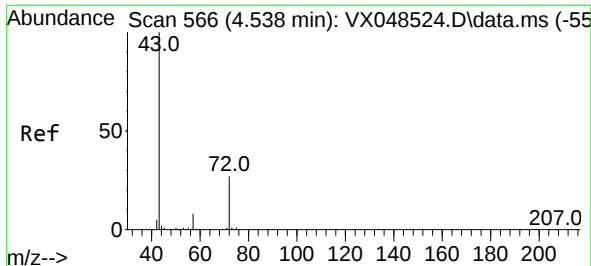
Tgt Ion:168 Resp: 188025
Ion Ratio Lower Upper
168 100
99 58.8 45.2 67.8



#17
Carbon Disulfide
Concen: 0.510 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.012 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion: 76 Resp: 3142
Ion Ratio Lower Upper
76 100
78 10.9 7.1 10.7#

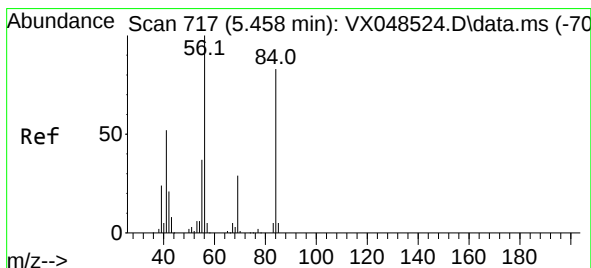
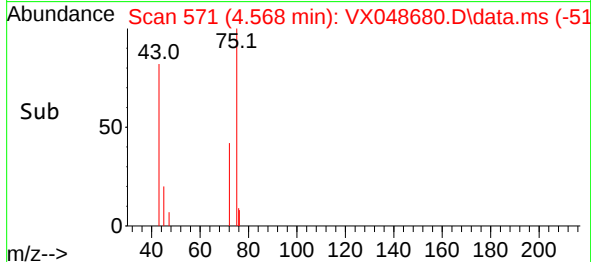
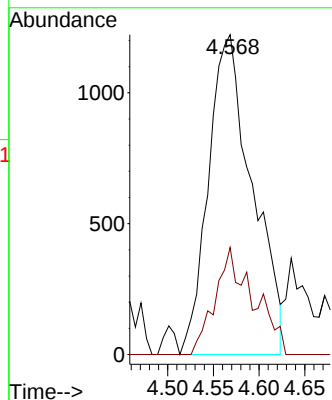
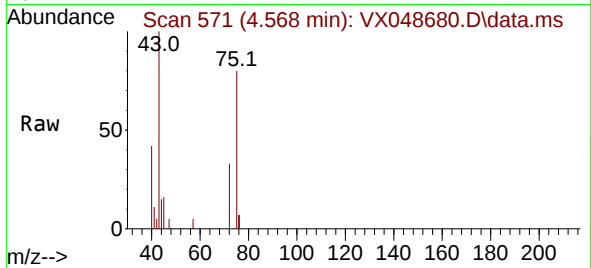




#25
2-Butanone
Concen: 2.224 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

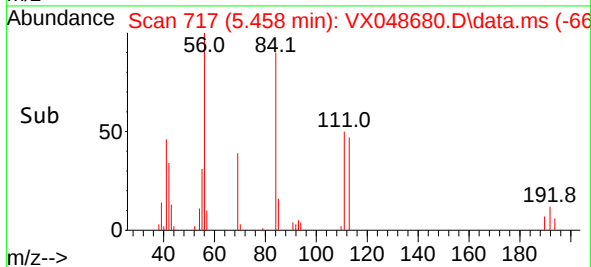
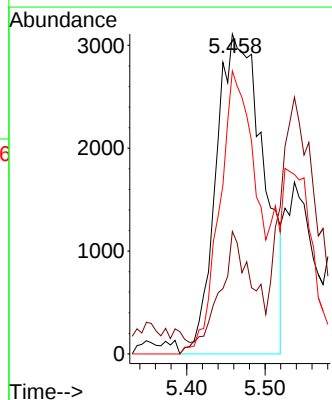
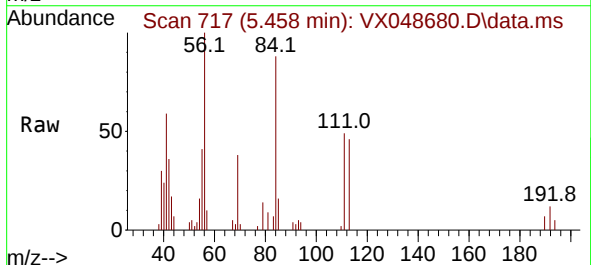
Instrument :
MSVOA_X
ClientSampleId :
MW5DL

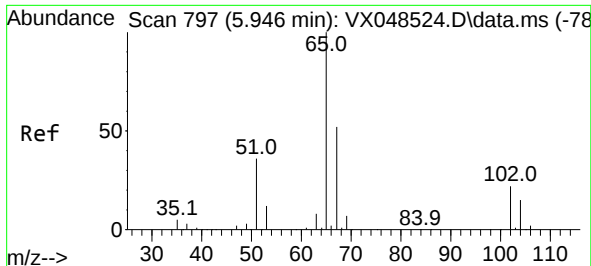
Tgt Ion: 43 Resp: 4080
Ion Ratio Lower Upper
43 100
72 33.5 21.5 32.3#



#31
Cyclohexane
Concen: 3.711 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion: 56 Resp: 13056
Ion Ratio Lower Upper
56 100
69 31.4 23.4 35.2
84 88.5 66.3 99.5

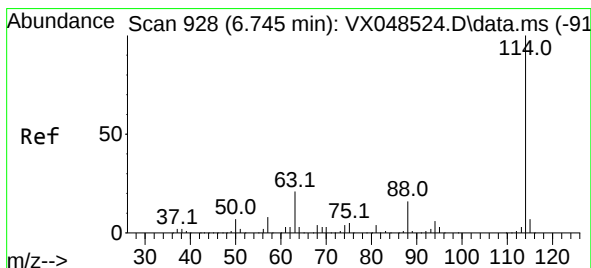
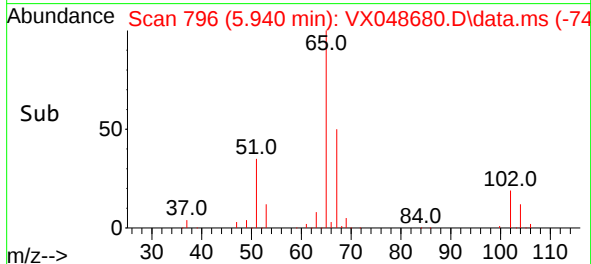
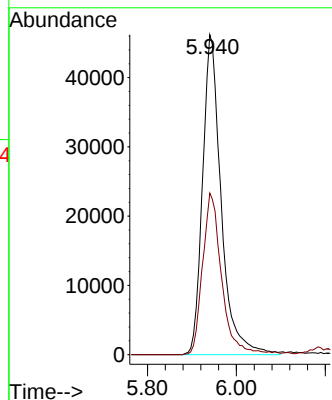
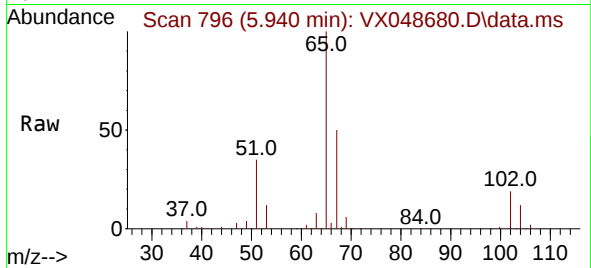




#33
 1,2-Dichloroethane-d4
 Concen: 51.426 ug/l
 RT: 5.940 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: VX048680.D
 Acq: 25 Nov 2025 13:21

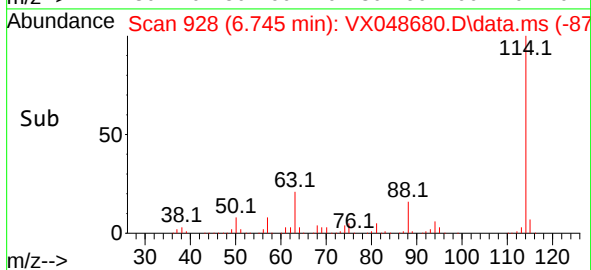
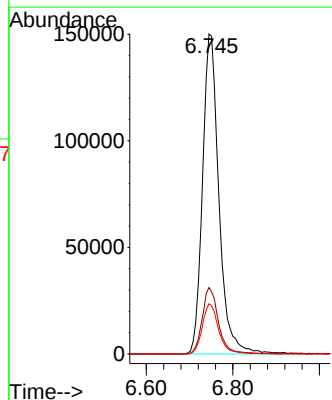
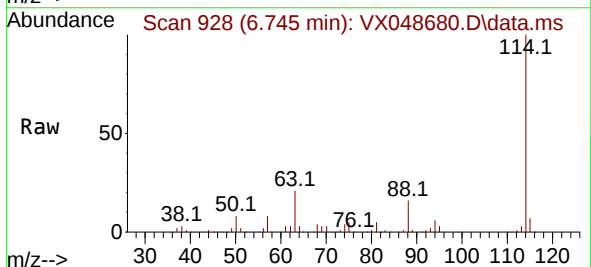
Instrument :
 MSVOA_X
 ClientSampleId :
 MW5DL

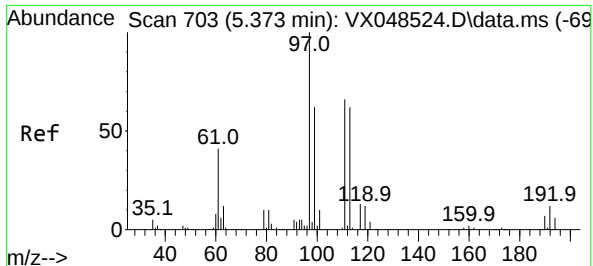
Tgt Ion: 65 Resp: 134734
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048680.D
 Acq: 25 Nov 2025 13:21

Tgt Ion: 114 Resp: 394286
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.2
 88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 40.479 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048680.D

Acq: 25 Nov 2025 13:21

Instrument :

MSVOA_X

ClientSampleId :

MW5DL

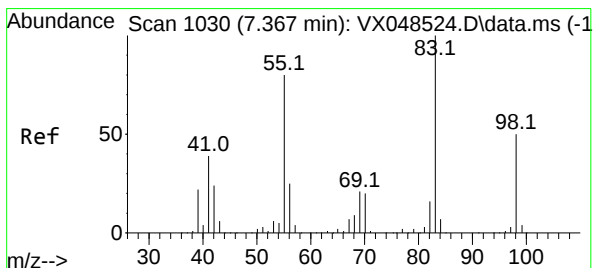
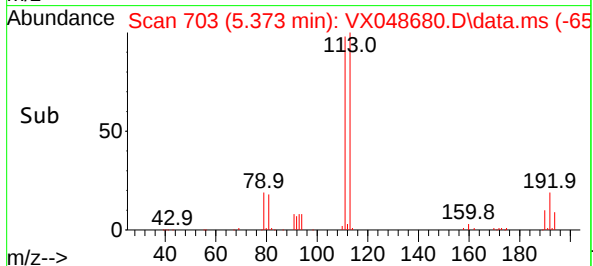
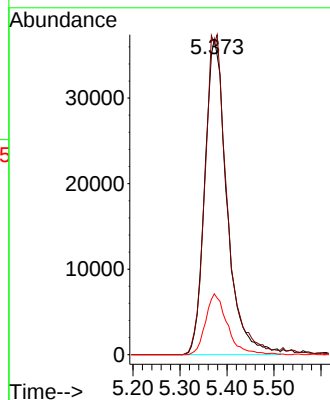
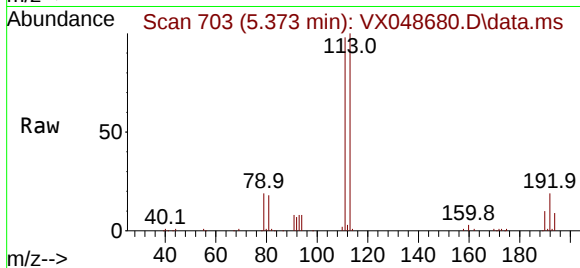
Tgt Ion:113 Resp: 120799

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

192 18.9 15.8 23.6



#39

Methylcyclohexane

Concen: 2.316 ug/l

RT: 7.360 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VX048680.D

Acq: 25 Nov 2025 13:21

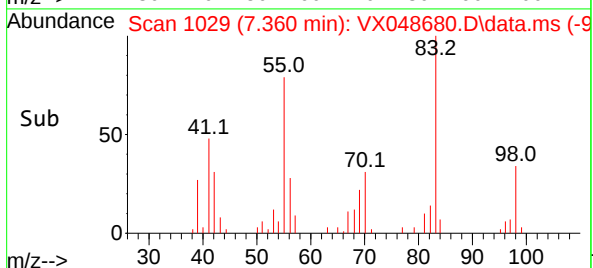
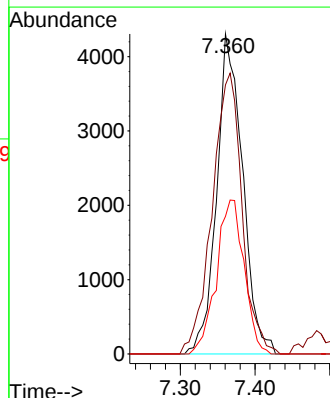
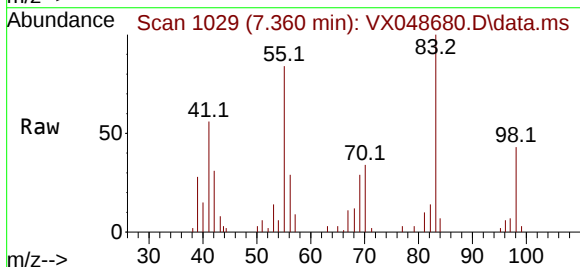
Tgt Ion: 83 Resp: 10392

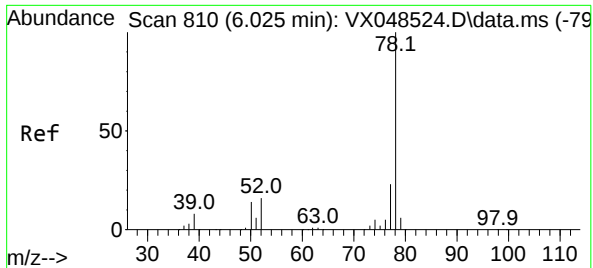
Ion Ratio Lower Upper

83 100

55 84.1 63.8 95.6

98 43.0 40.3 60.5

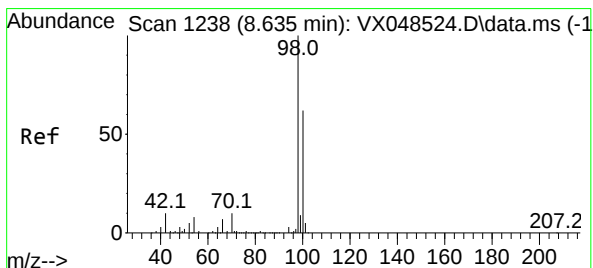
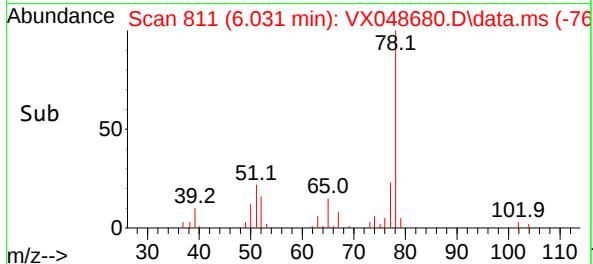
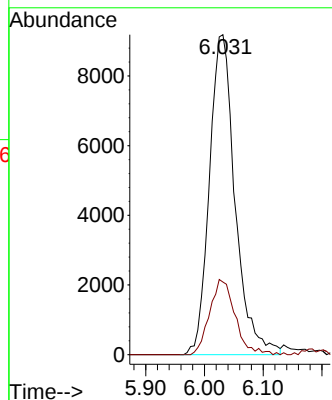
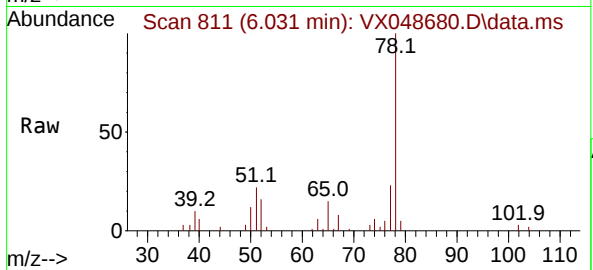




#40
Benzene
Concen: 2.253 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

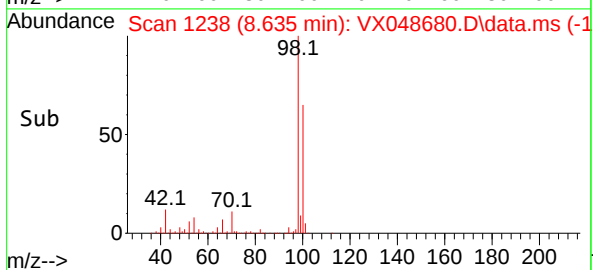
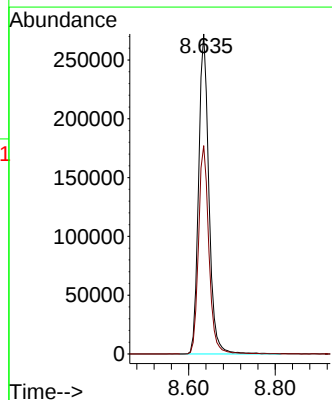
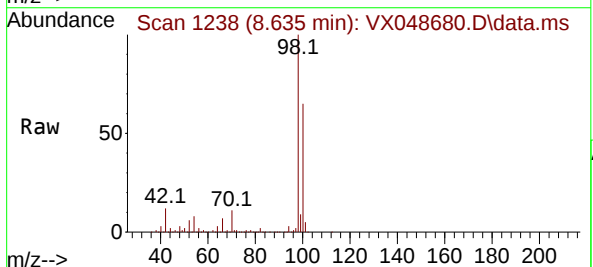
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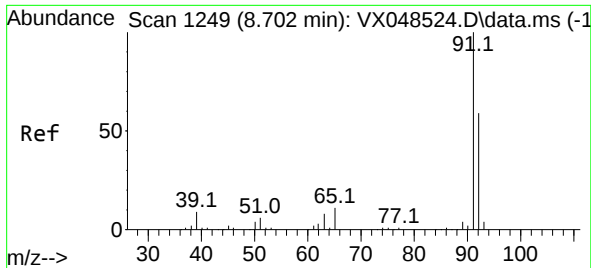
Tgt Ion: 78 Resp: 27908
Ion Ratio Lower Upper
78 100
77 22.7 18.3 27.5



#50
Toluene-d8
Concen: 48.159 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion: 98 Resp: 448226
Ion Ratio Lower Upper
98 100
100 65.5 53.6 80.4

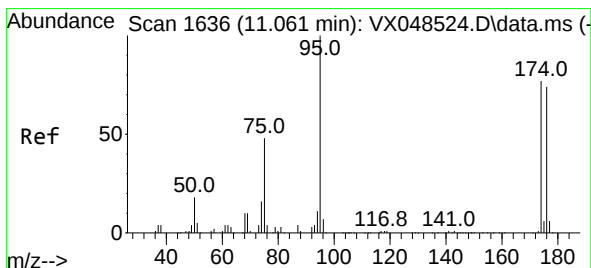
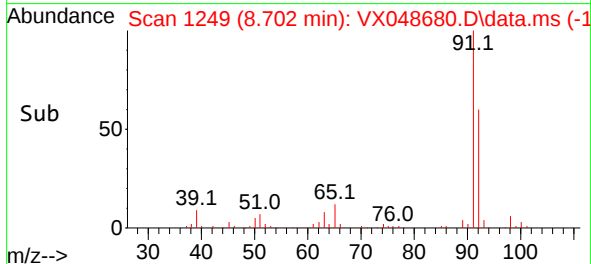
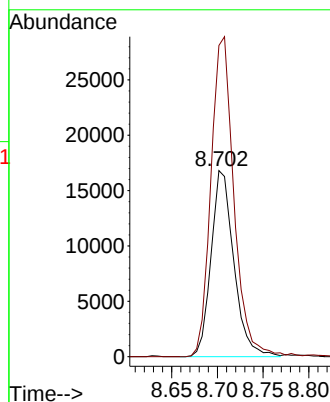
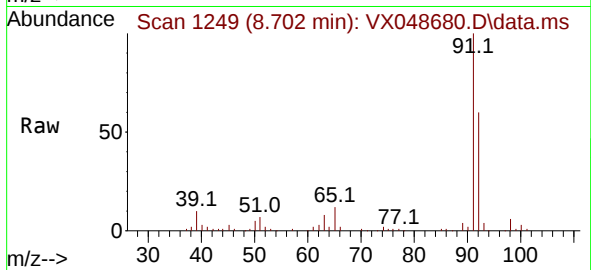




#52
Toluene
Concen: 4.468 ug/l
RT: 8.702 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

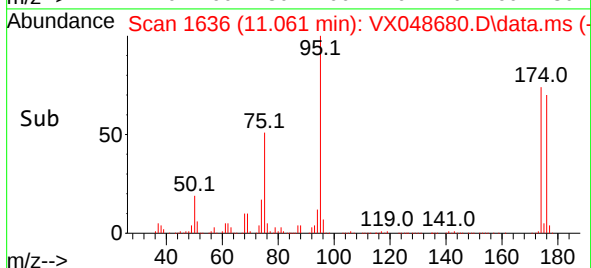
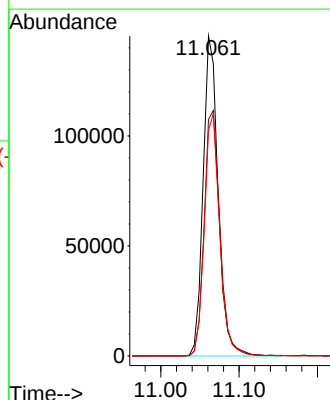
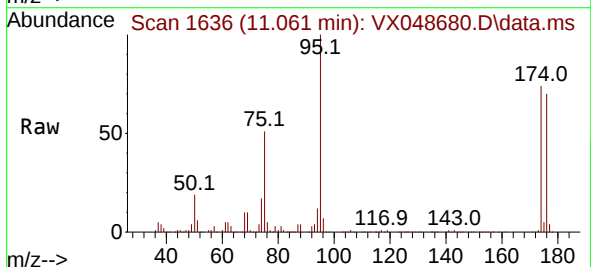
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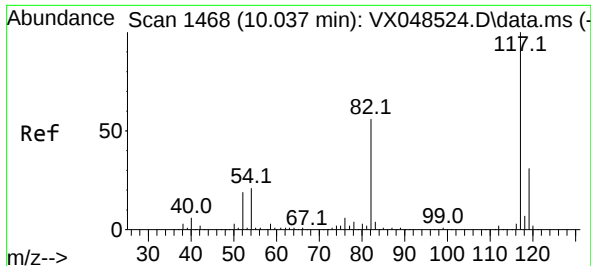
Tgt Ion: 92 Resp: 29136
Ion Ratio Lower Upper
92 100
91 173.8 137.0 205.6



#62
4-Bromofluorobenzene
Concen: 55.862 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion: 95 Resp: 193757
Ion Ratio Lower Upper
95 100
174 80.4 0.0 161.8
176 77.3 0.0 153.6

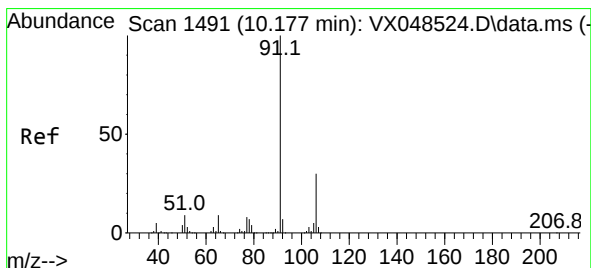
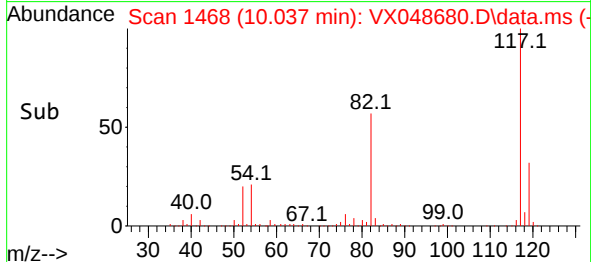
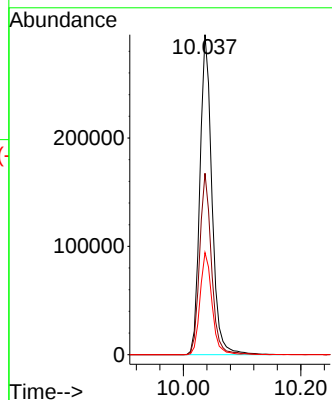
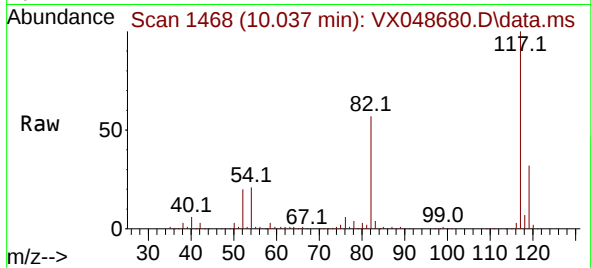




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

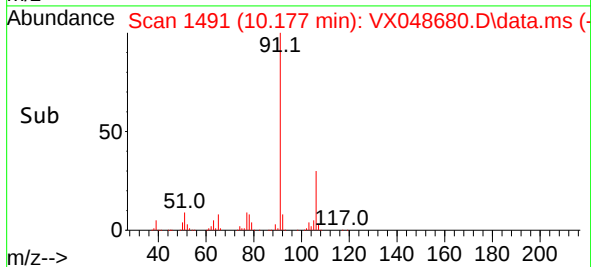
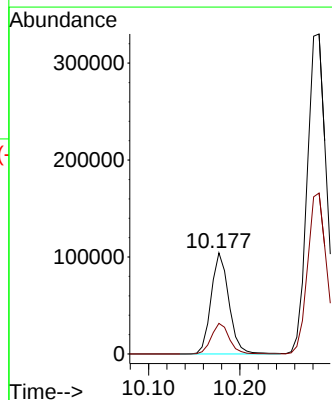
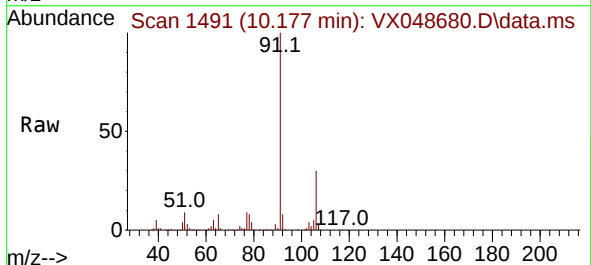
Instrument :
MSVOA_X
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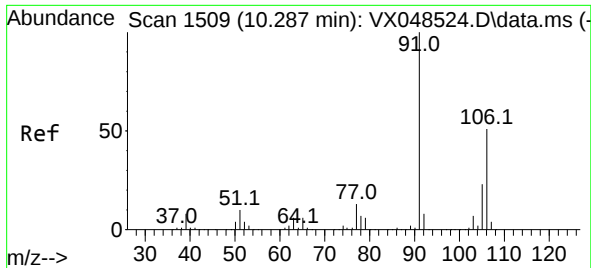
Tgt Ion:117 Resp: 417381
Ion Ratio Lower Upper
117 100
82 56.7 44.4 66.6
119 31.9 25.1 37.7



#67
Ethyl Benzene
Concen: 8.490 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion: 91 Resp: 141230
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1

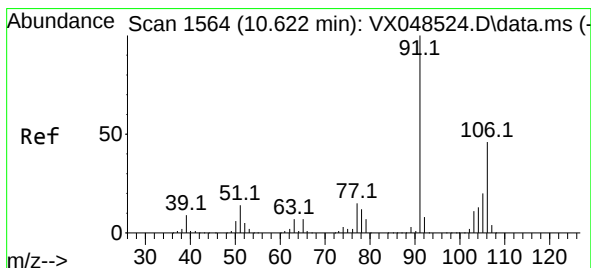
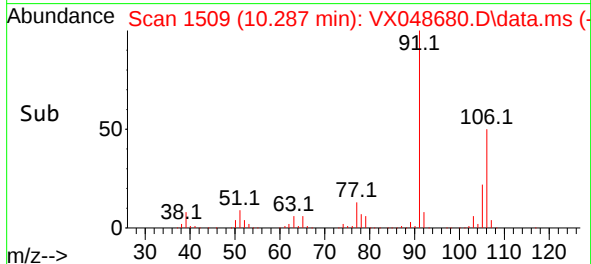
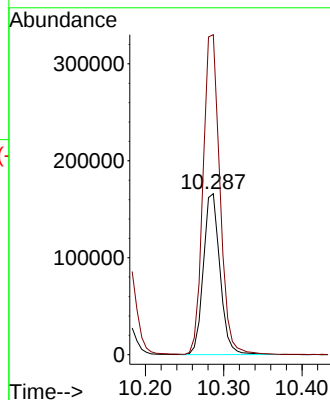
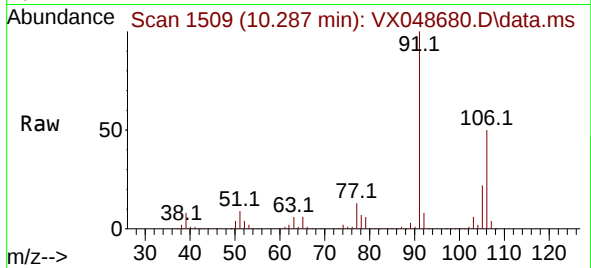




#68
m/p-Xylenes
Concen: 38.982 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

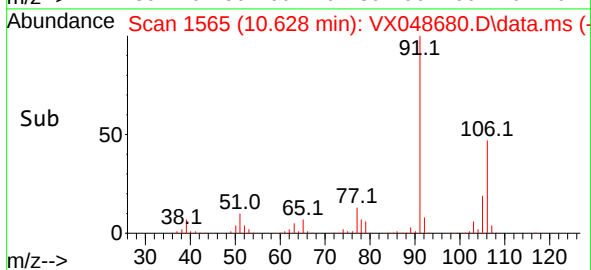
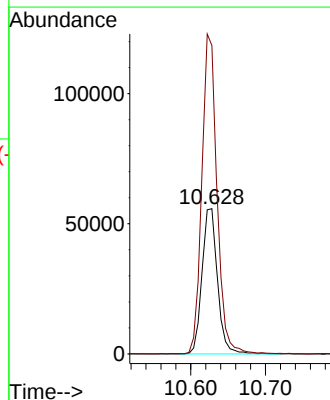
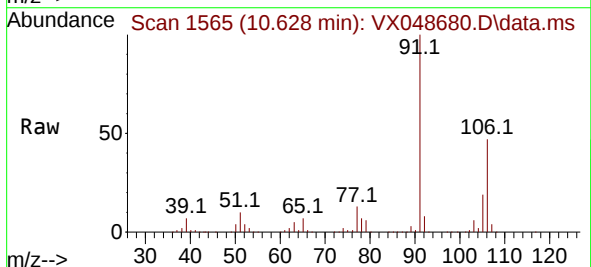
Instrument :
MSVOA_X
ClientSampleId :
MW5DL

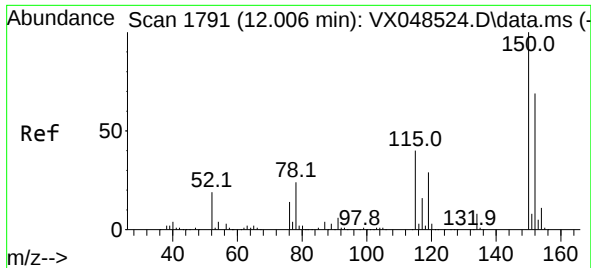
Tgt Ion:106 Resp: 244235
Ion Ratio Lower Upper
106 100
91 202.4 159.6 239.4



#69
o-Xylene
Concen: 13.066 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion:106 Resp: 80092
Ion Ratio Lower Upper
106 100
91 217.0 106.4 319.2

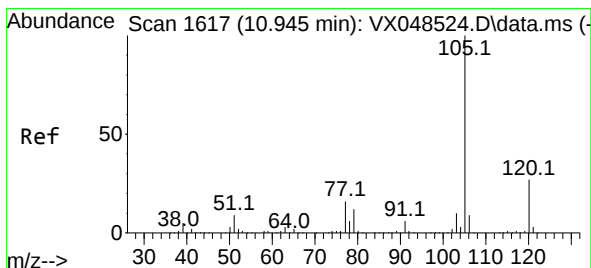
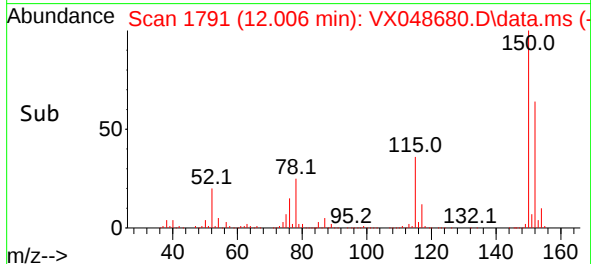
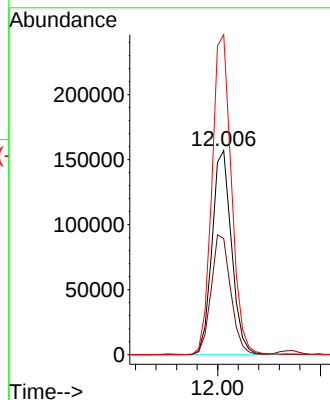
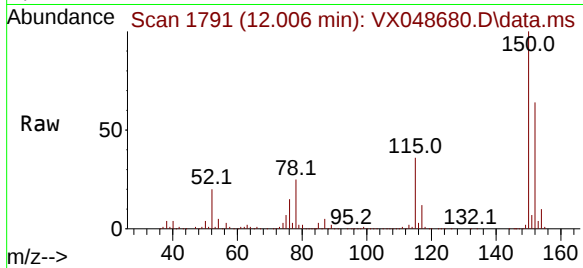




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

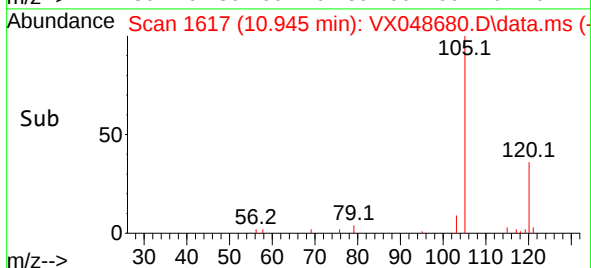
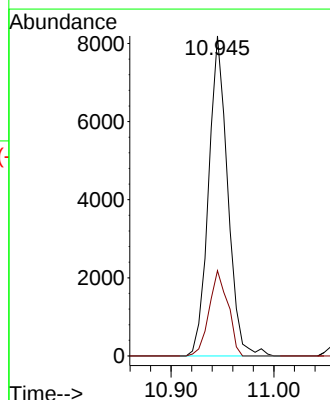
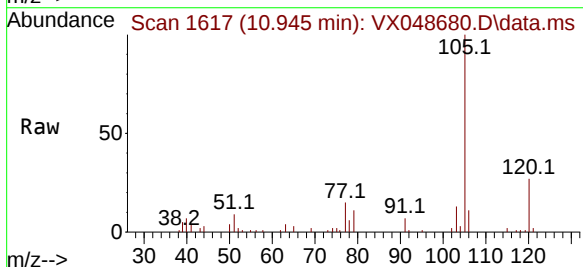
Instrument :
MSVOA_X
ClientSampleId :
MW5DL

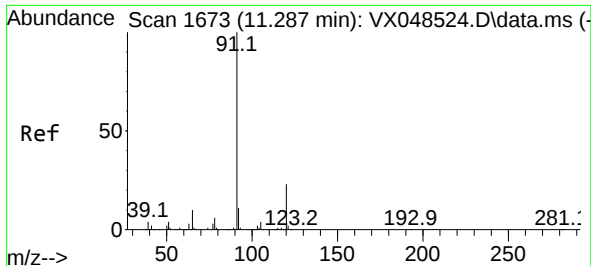
Tgt Ion:152 Resp: 206563
Ion Ratio Lower Upper
152 100
115 59.0 39.2 117.6
150 158.1 0.0 347.0



#73
Isopropylbenzene
Concen: 0.705 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion:105 Resp: 10575
Ion Ratio Lower Upper
105 100
120 26.2 13.6 40.7

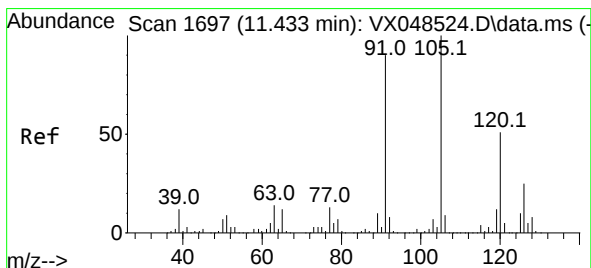
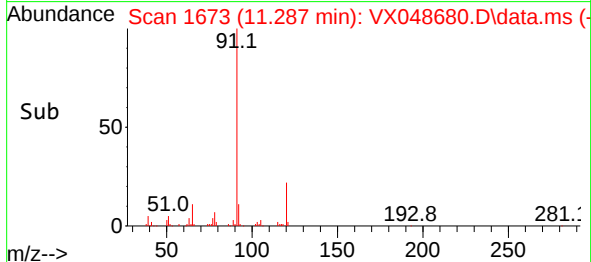
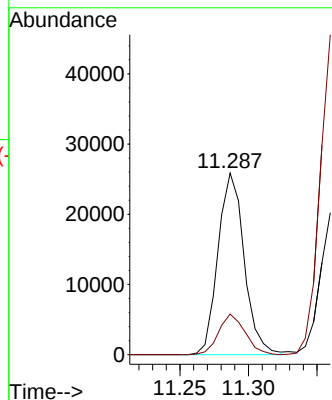
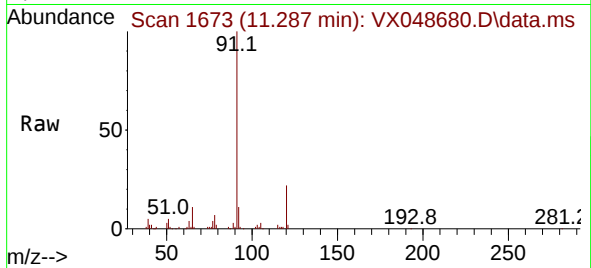




#78
n-propylbenzene
Concen: 1.949 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

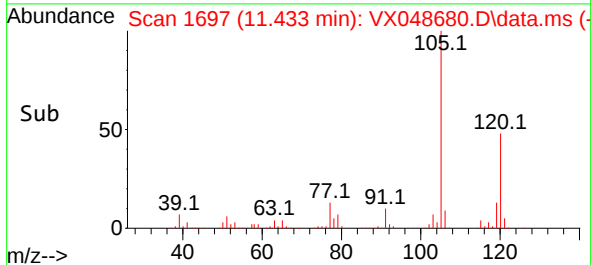
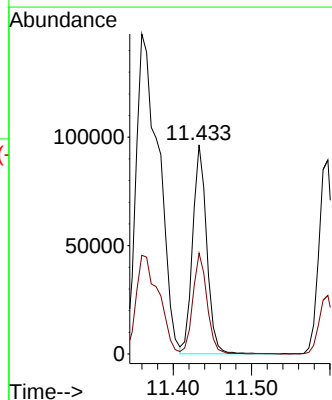
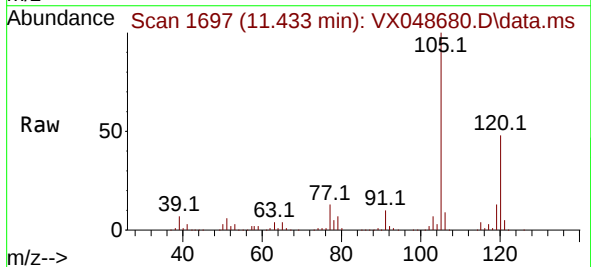
Instrument :
MSVOA_X
ClientSampleId :
MW5DL

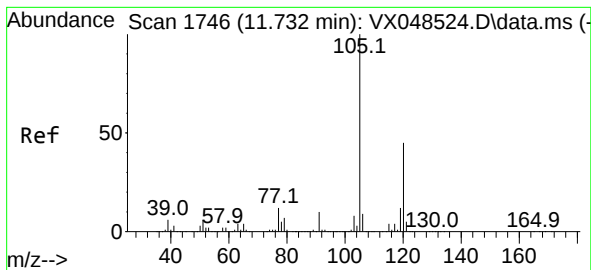
Tgt Ion: 91 Resp: 34357
Ion Ratio Lower Upper
91 100
120 22.6 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 9.845 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Tgt Ion: 105 Resp: 120331
Ion Ratio Lower Upper
105 100
120 48.3 25.1 75.2





#84
1,2,4-Trimethylbenzene
Concen: 32.963 ug/l
RT: 11.732 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048680.D
Acq: 25 Nov 2025 13:21

Instrument :
MSVOA_X
ClientSampleId :
MW5DL

Tgt Ion:105 Resp: 406527
Ion Ratio Lower Upper
105 100
120 46.1 22.4 67.0

