

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048678.D
 Acq On : 25 Nov 2025 12:39
 Operator : JC/MD
 Sample : Q3715-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2

Quant Time: Nov 26 00:59:41 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)

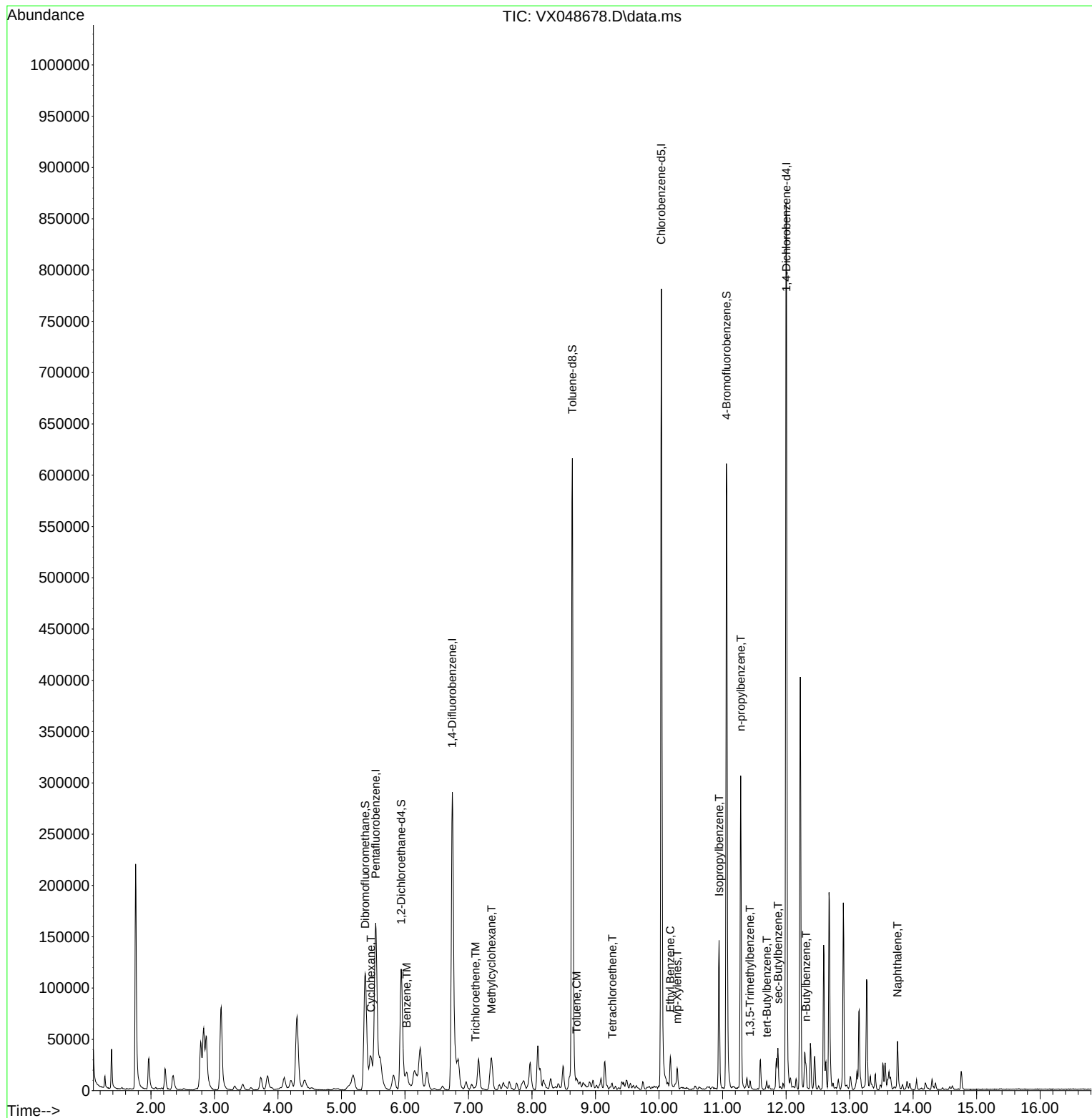
Internal Standards						
1) Pentafluorobenzene	5.538	168	172027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	315243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	370755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	198932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	126147	52.626	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.260%	
35) Dibromofluoromethane	5.373	113	112968	47.347	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.700%	
50) Toluene-d8	8.635	98	398167	53.507	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	11.061	95	174996	63.103	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 126.200%#	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.465	56	21434	6.659	ug/l #	93
39) Methylcyclohexane	7.361	83	12603	3.513	ug/l	93
40) Benzene	6.025	78	18541	1.872	ug/l	98
44) Trichloroethene	7.111	130	1188	0.502	ug/l	83
52) Toluene	8.702	92	2566	0.492	ug/l	99
64) Tetrachloroethene	9.263	164	1180	0.438	ug/l #	79
67) Ethyl Benzene	10.177	91	19781	1.339	ug/l	95
68) m/p-Xylenes	10.287	106	4699	0.844	ug/l	90
73) Isopropylbenzene	10.945	105	75615	5.237	ug/l	98
78) n-propylbenzene	11.287	91	188783	11.119	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	3073	0.261	ug/l	97
83) tert-Butylbenzene	11.695	119	2942	0.242	ug/l	83
85) sec-Butylbenzene	11.872	105	20574	1.367	ug/l	96
89) n-Butylbenzene	12.317	91	11693	0.985	ug/l #	75
95) Naphthalene	13.756	128	29896	2.086	ug/l #	97

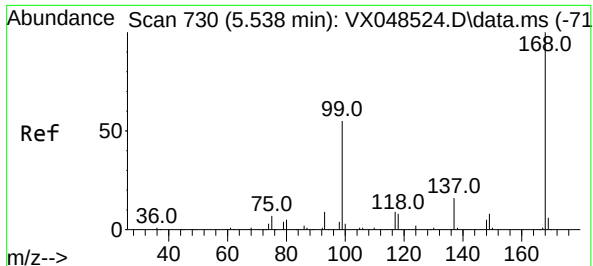
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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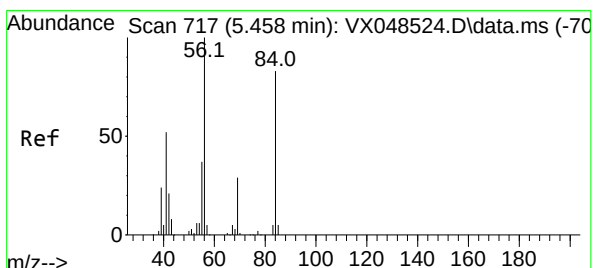
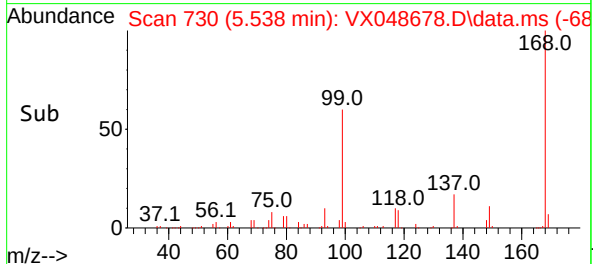
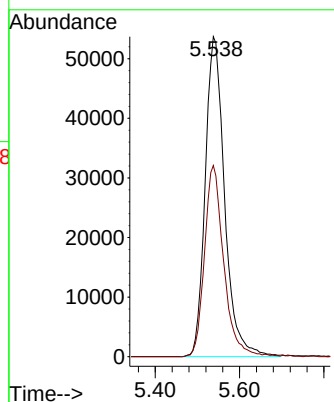
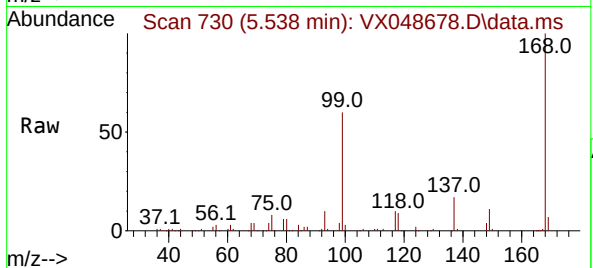




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

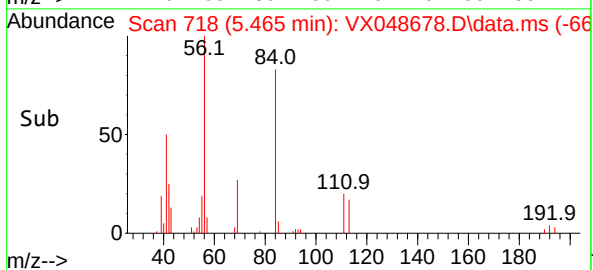
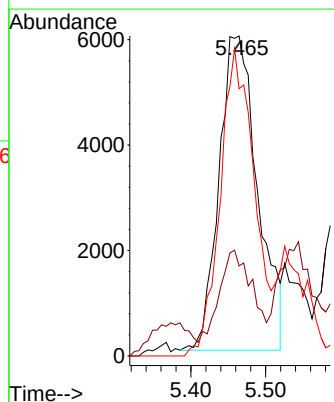
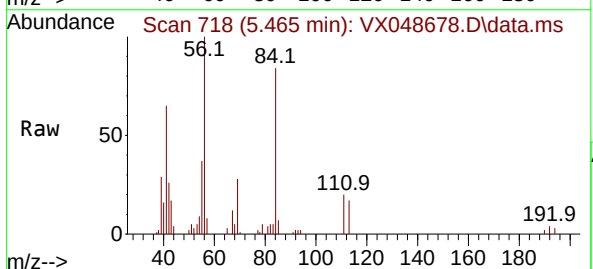
Instrument :
MSVOA_X
ClientSampleId :
MW2

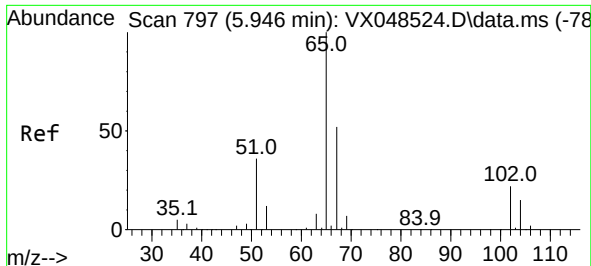
Tgt Ion:168 Resp: 172027
Ion Ratio Lower Upper
168 100
99 59.8 45.2 67.8



#31
Cyclohexane
Concen: 6.659 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 56 Resp: 21434
Ion Ratio Lower Upper
56 100
69 18.1 23.4 35.2#
84 85.0 66.3 99.5

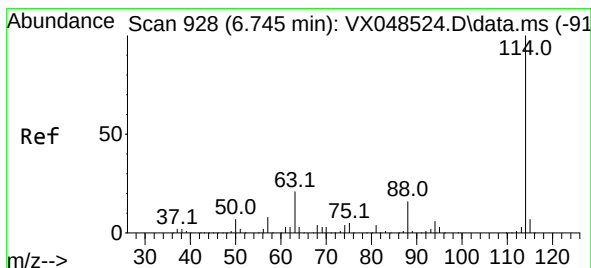
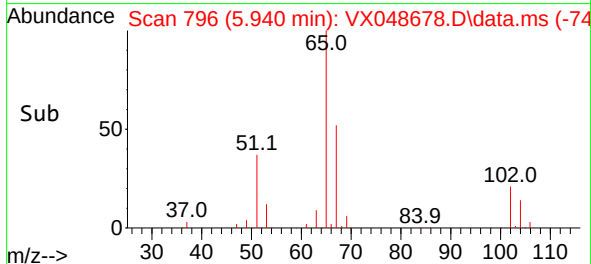
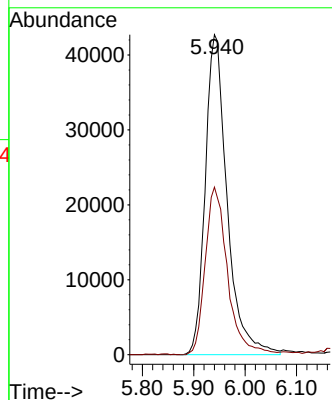
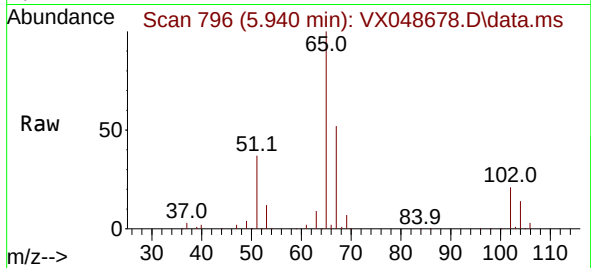




#33
 1,2-Dichloroethane-d4
 Concen: 52.626 ug/l
 RT: 5.940 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: VX048678.D
 Acq: 25 Nov 2025 12:39

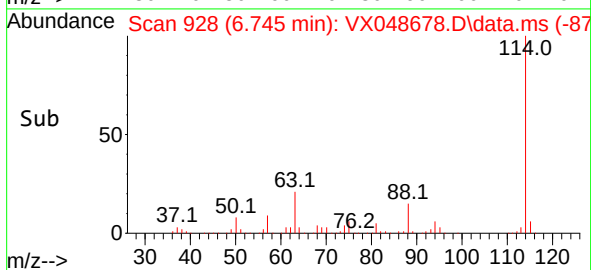
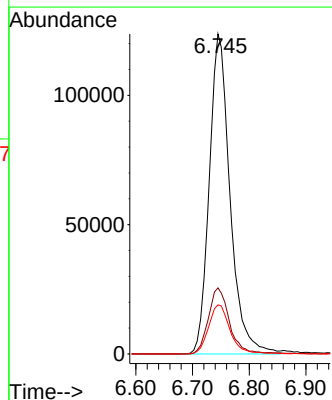
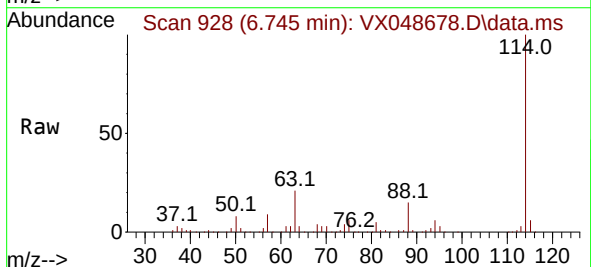
Instrument :
 MSVOA_X
 ClientSampleId :
 MW2

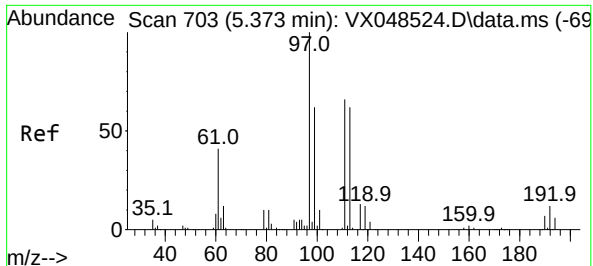
Tgt Ion: 65 Resp: 126147
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048678.D
 Acq: 25 Nov 2025 12:39

Tgt Ion: 114 Resp: 315243
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.2
 88 15.4 0.0 32.2

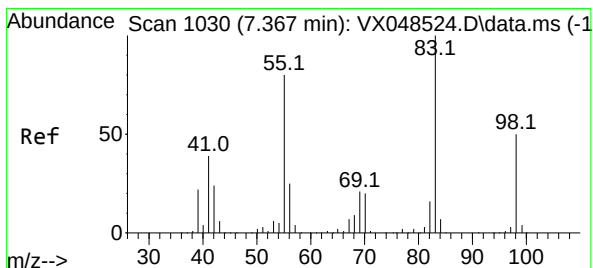
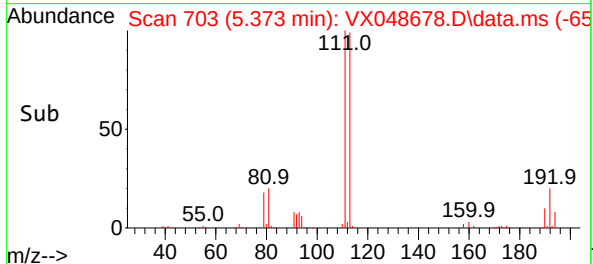
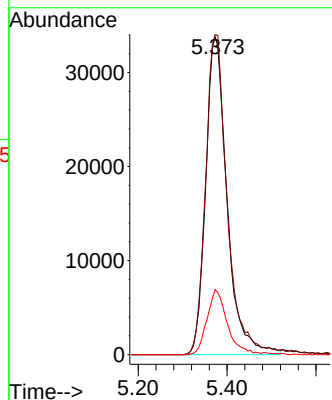
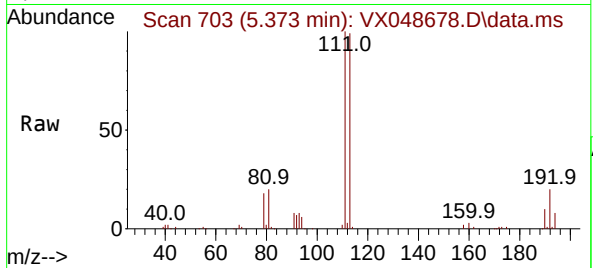




#35
Dibromofluoromethane
Concen: 47.347 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

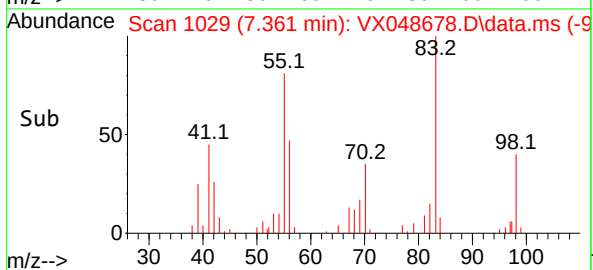
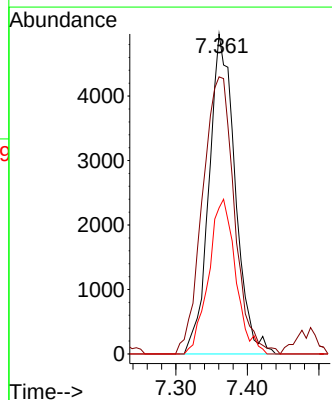
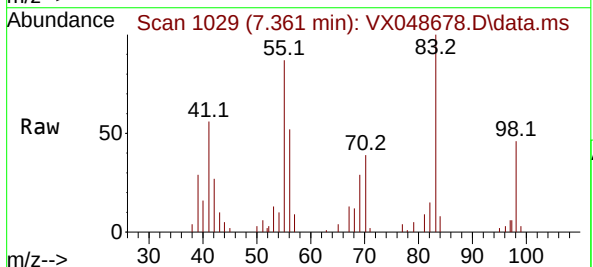
Instrument :
MSVOA_X
ClientSampleId :
MW2

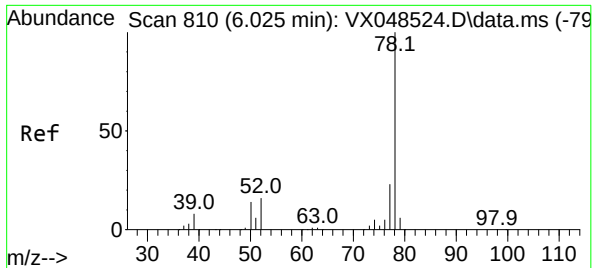
Tgt Ion:113 Resp: 112968
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.5 15.8 23.6



#39
Methylcyclohexane
Concen: 3.513 ug/l
RT: 7.361 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 83 Resp: 12603
Ion Ratio Lower Upper
83 100
55 86.6 63.8 95.6
98 45.6 40.3 60.5





#40

Benzene

Concen: 1.872 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

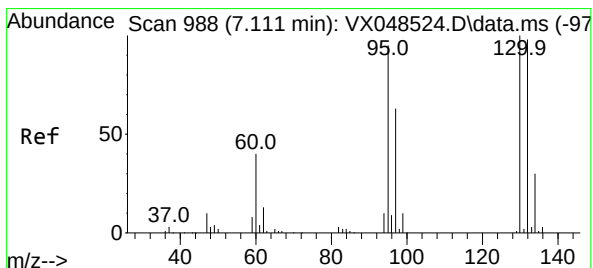
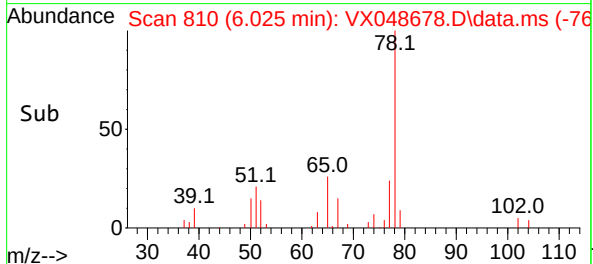
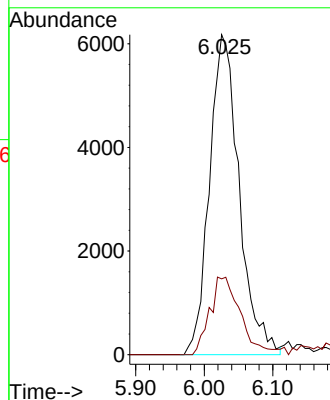
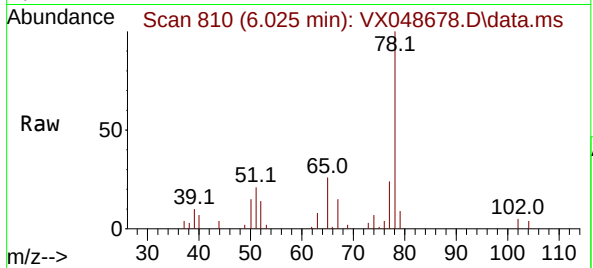
MW2

Tgt Ion: 78 Resp: 18541

Ion Ratio Lower Upper

78 100

77 23.7 18.3 27.5



#44

Trichloroethene

Concen: 0.502 ug/l

RT: 7.111 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048678.D

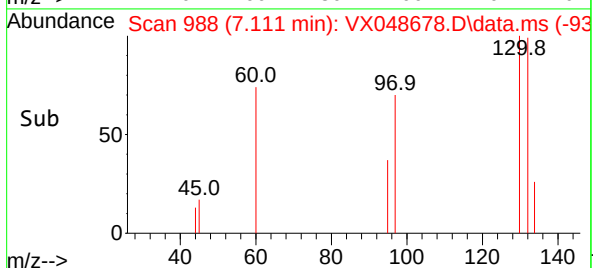
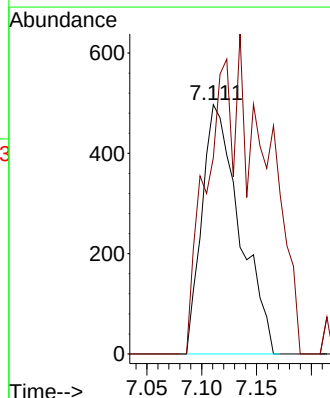
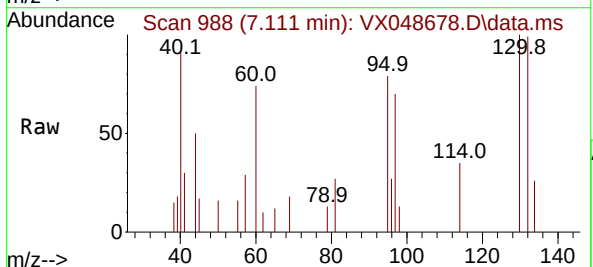
Acq: 25 Nov 2025 12:39

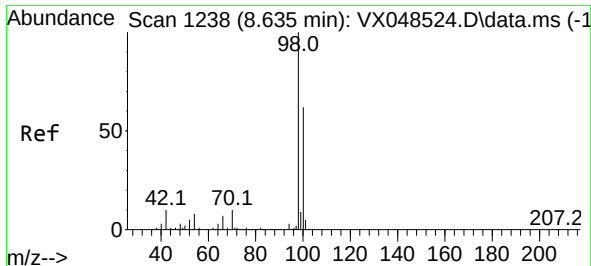
Tgt Ion:130 Resp: 1188

Ion Ratio Lower Upper

130 100

95 78.7 0.0 190.2

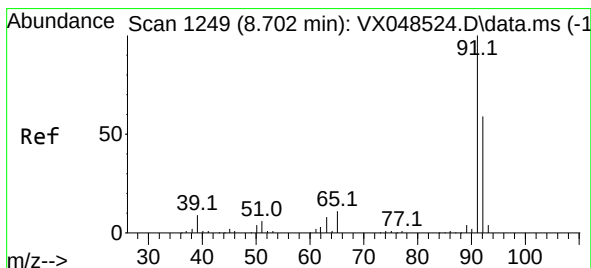
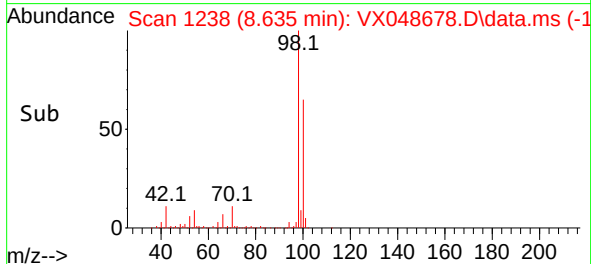
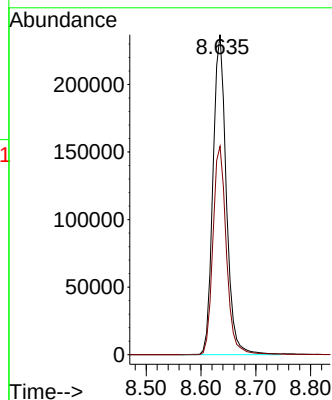
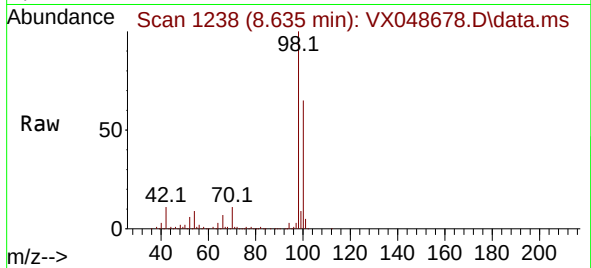




#50
Toluene-d8
Concen: 53.507 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

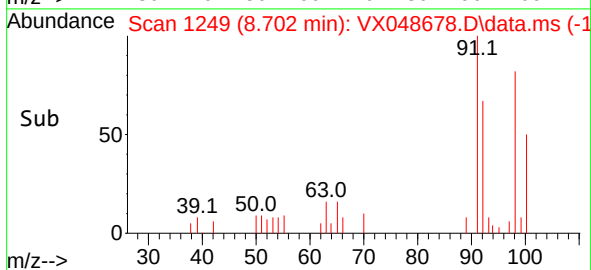
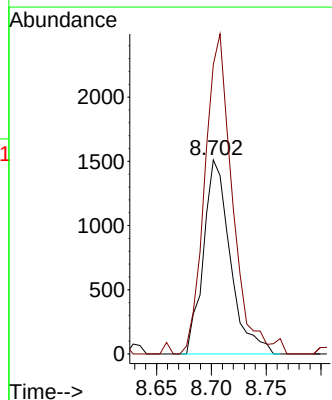
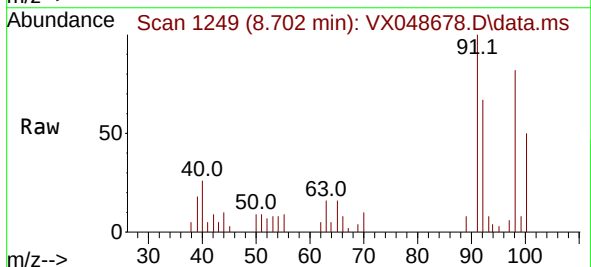
Instrument :
MSVOA_X
ClientSampleId :
MW2

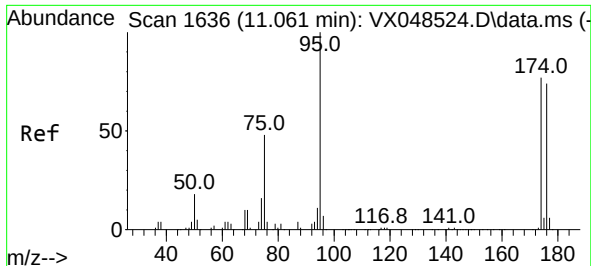
Tgt Ion: 98 Resp: 398167
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4



#52
Toluene
Concen: 0.492 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 92 Resp: 2566
Ion Ratio Lower Upper
92 100
91 170.1 137.0 205.6





#62

4-Bromofluorobenzene

Concen: 63.103 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

MW2

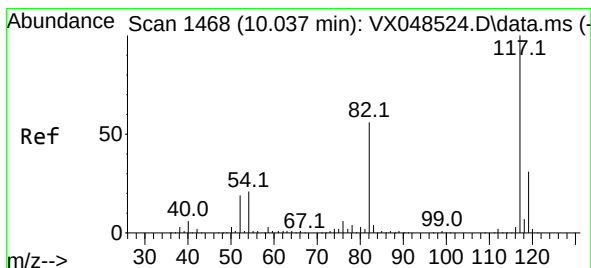
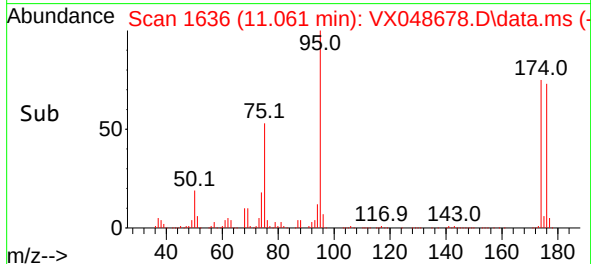
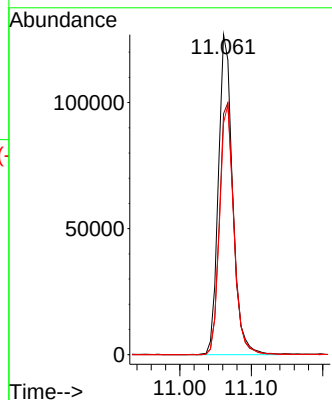
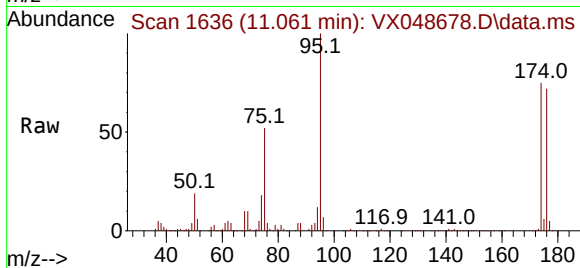
Tgt Ion: 95 Resp: 174996

Ion Ratio Lower Upper

95 100

174 80.6 0.0 161.8

176 78.4 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: VX048678.D

Acq: 25 Nov 2025 12:39

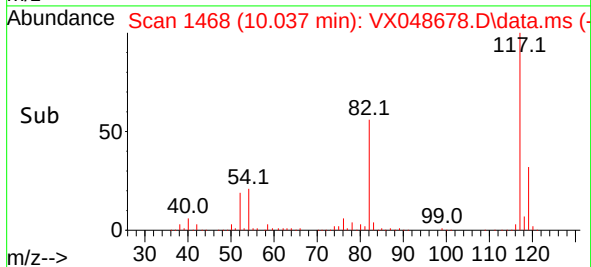
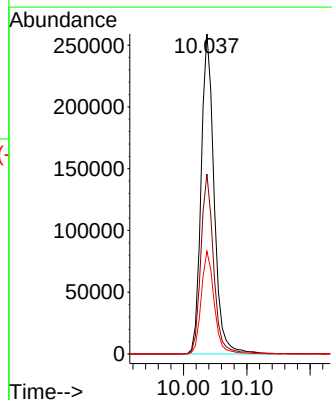
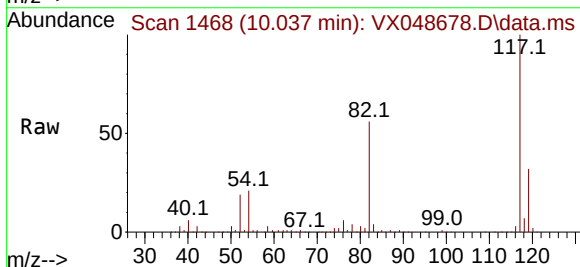
Tgt Ion: 117 Resp: 370755

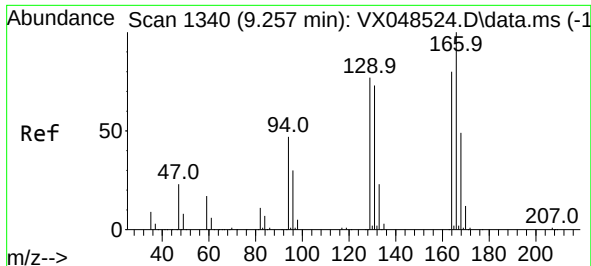
Ion Ratio Lower Upper

117 100

82 56.2 44.4 66.6

119 32.1 25.1 37.7

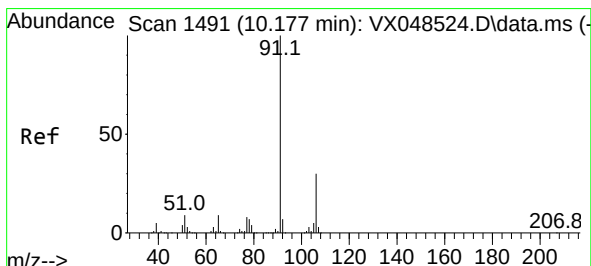
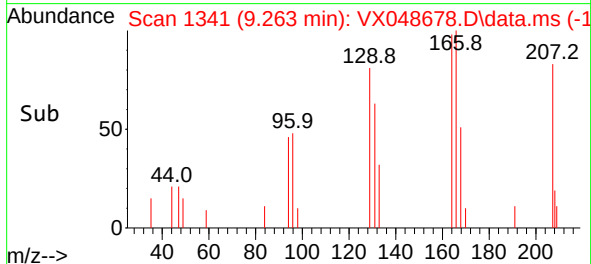
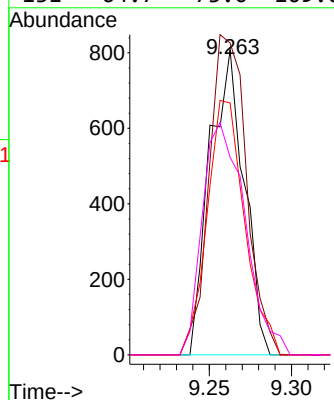
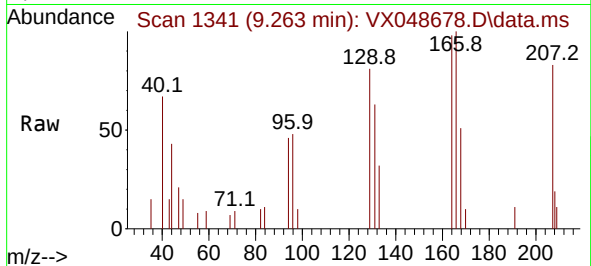




#64
Tetrachloroethene
Concen: 0.438 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

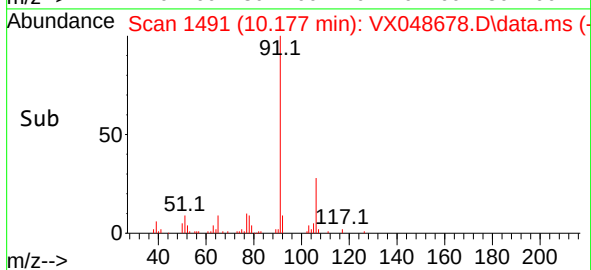
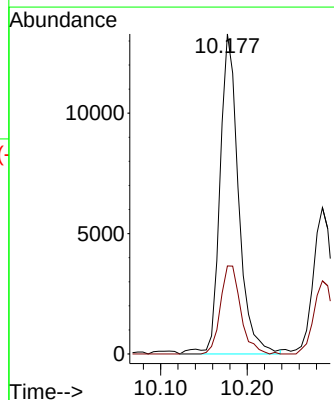
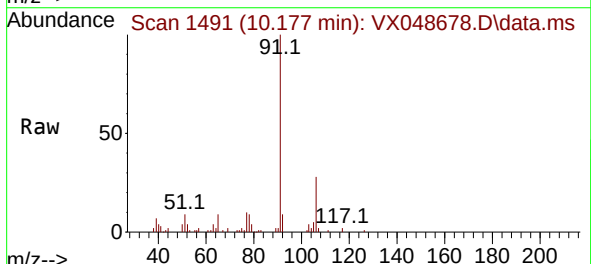
Instrument :
MSVOA_X
ClientSampleId :
MW2

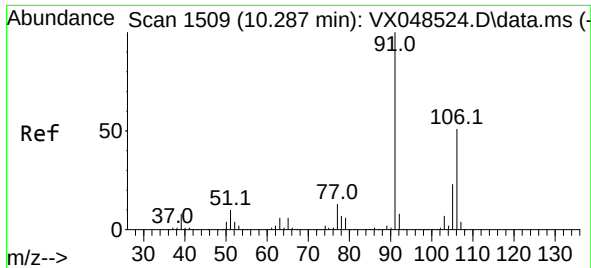
Tgt Ion:164 Resp: 1180
Ion Ratio Lower Upper
164 100
166 102.2 100.6 150.8
129 82.5 77.6 116.4
131 64.7 73.0 109.6#



#67
Ethyl Benzene
Concen: 1.339 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 91 Resp: 19781
Ion Ratio Lower Upper
91 100
106 27.5 24.1 36.1

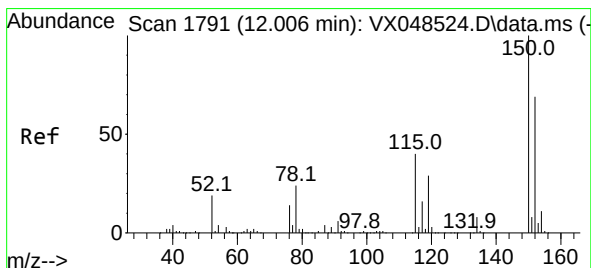
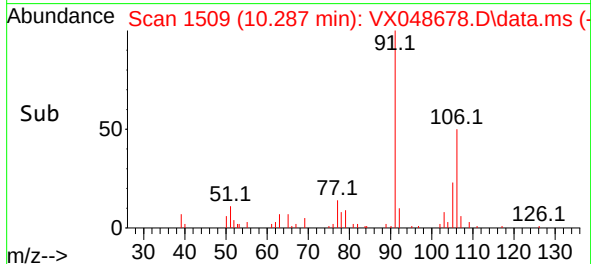
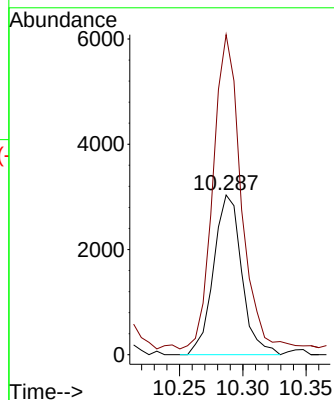
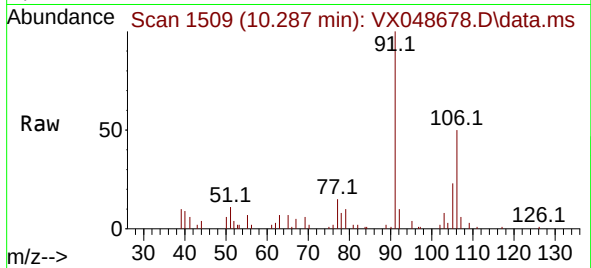




#68
m/p-Xylenes
Concen: 0.844 ug/l
RT: 10.287 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

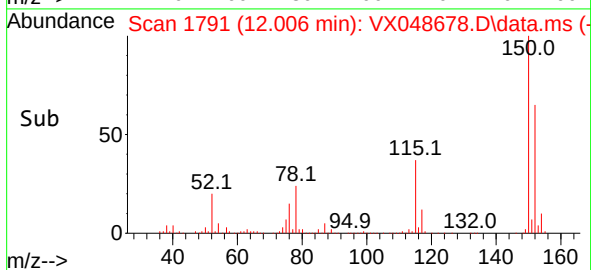
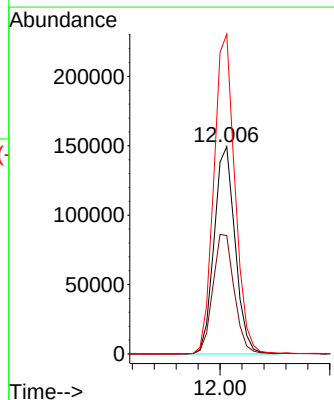
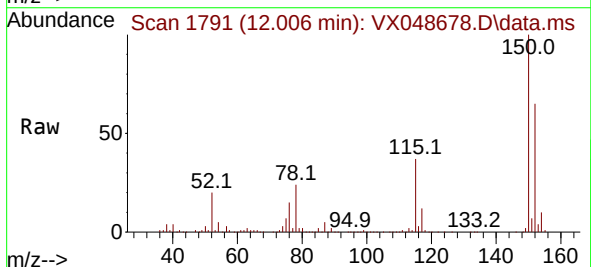
Instrument :
MSVOA_X
ClientSampleId :
MW2

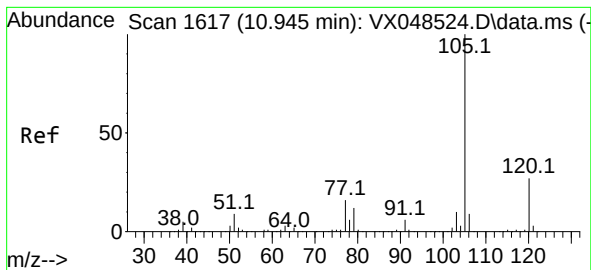
Tgt Ion:106 Resp: 4699
Ion Ratio Lower Upper
106 100
91 214.5 159.6 239.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion:152 Resp: 198932
Ion Ratio Lower Upper
152 100
115 58.6 39.2 117.6
150 155.1 0.0 347.0





#73

Isopropylbenzene

Concen: 5.237 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

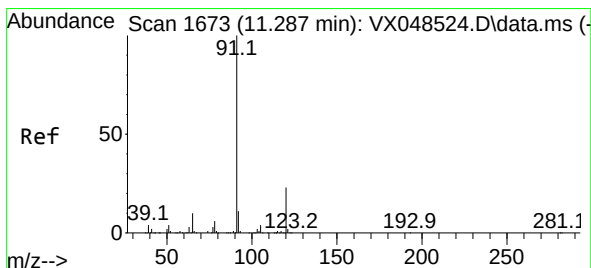
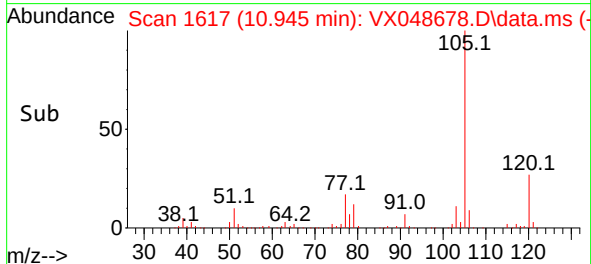
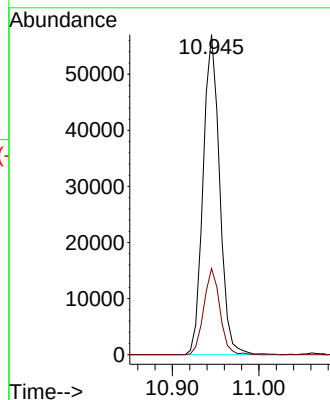
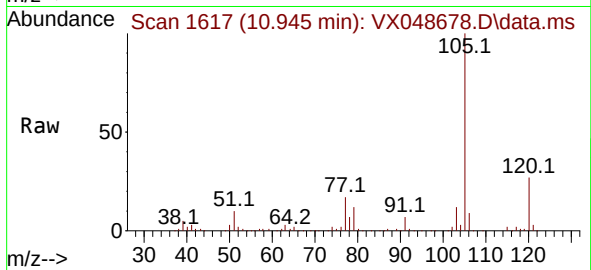
MW2

Tgt Ion:105 Resp: 75615

Ion Ratio Lower Upper

105 100

120 26.1 13.6 40.7



#78

n-propylbenzene

Concen: 11.119 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048678.D

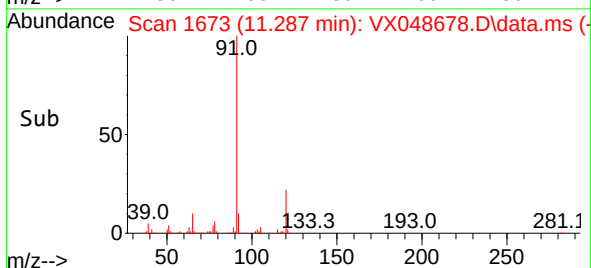
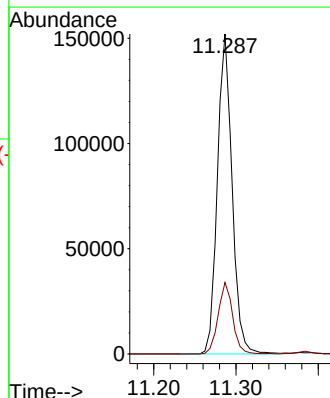
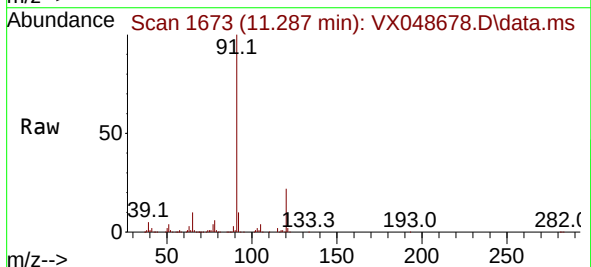
Acq: 25 Nov 2025 12:39

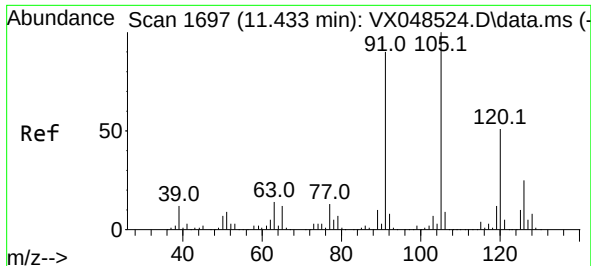
Tgt Ion: 91 Resp: 188783

Ion Ratio Lower Upper

91 100

120 22.0 11.6 34.8

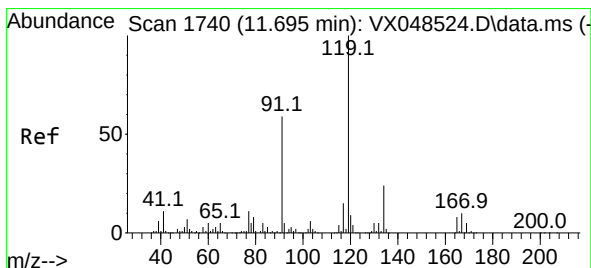
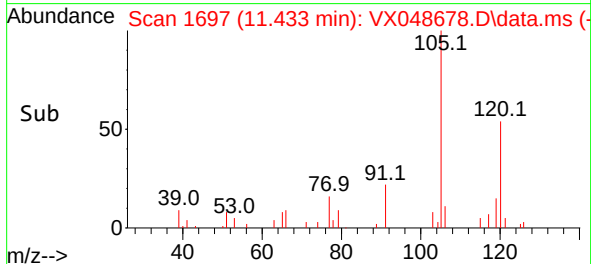
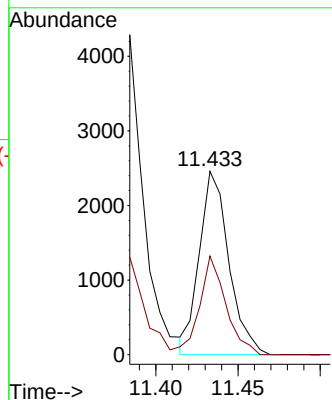
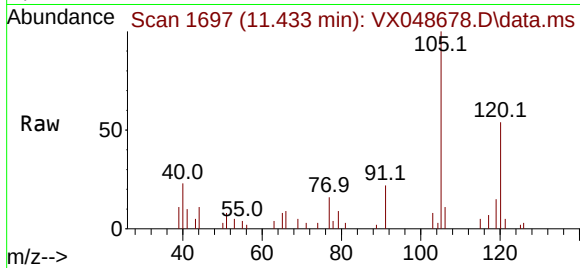




#80
1,3,5-Trimethylbenzene
Concen: 0.261 ug/l
RT: 11.433 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

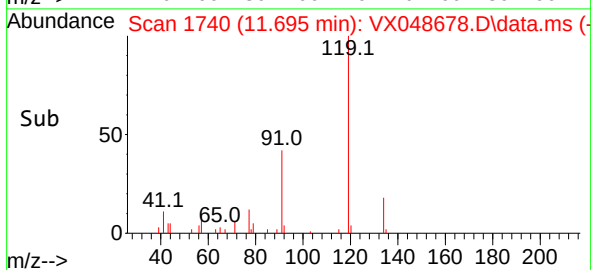
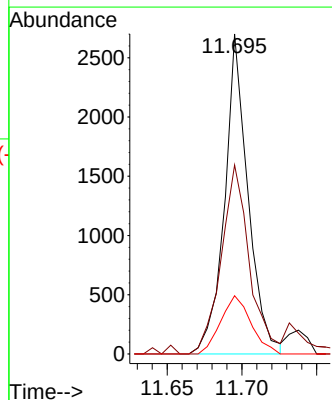
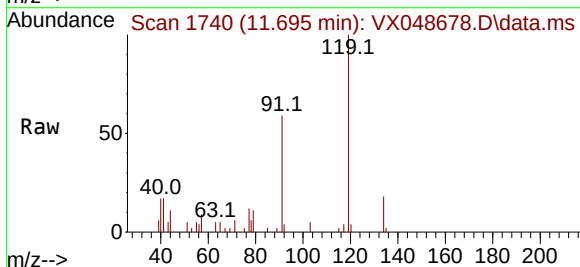
Instrument :
MSVOA_X
ClientSampleId :
MW2

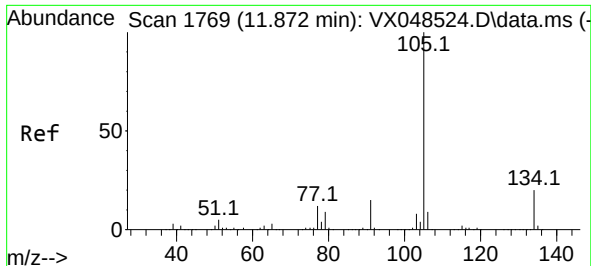
Tgt Ion:105 Resp: 3073
Ion Ratio Lower Upper
105 100
120 48.3 25.1 75.2



#83
tert-Butylbenzene
Concen: 0.242 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion:119 Resp: 2942
Ion Ratio Lower Upper
119 100
91 71.0 27.1 81.3
134 23.5 11.4 34.1





#85

sec-Butylbenzene

Concen: 1.367 ug/l

RT: 11.872 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

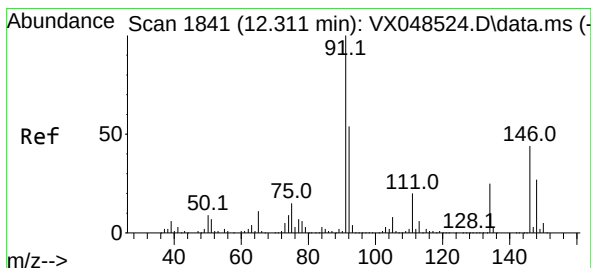
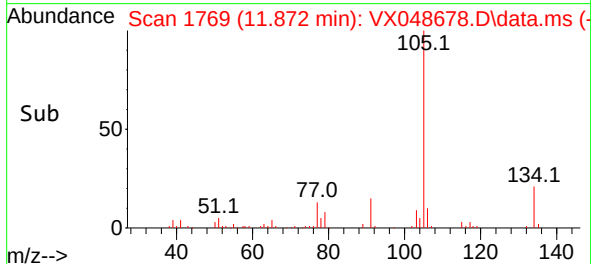
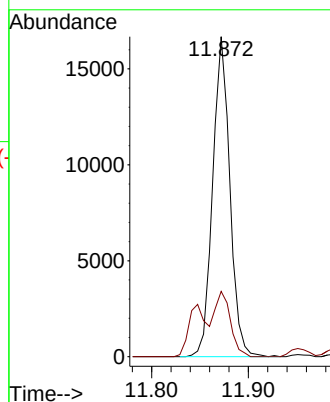
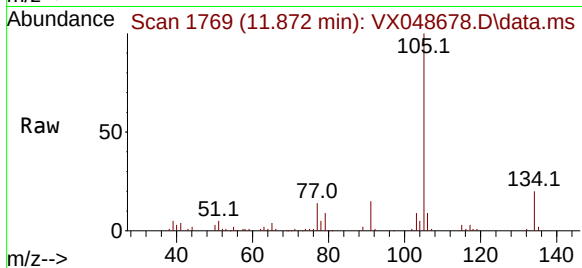
MW2

Tgt Ion:105 Resp: 20574

Ion Ratio Lower Upper

105 100

134 18.6 10.2 30.4



#89

n-Butylbenzene

Concen: 0.985 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

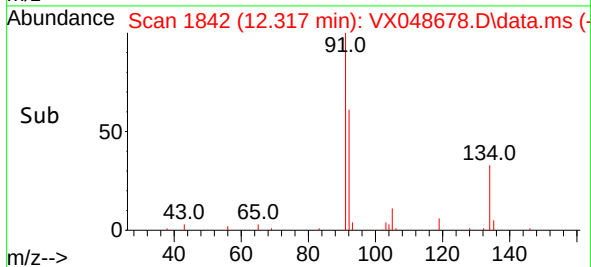
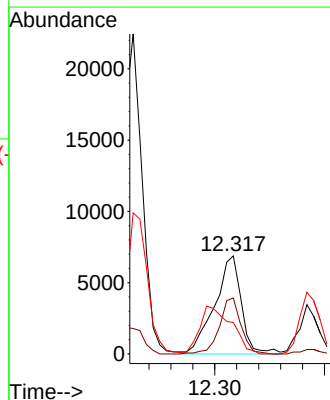
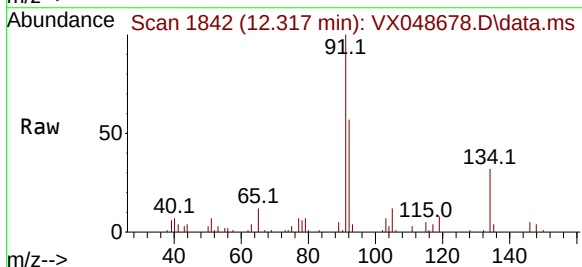
Tgt Ion: 91 Resp: 11693

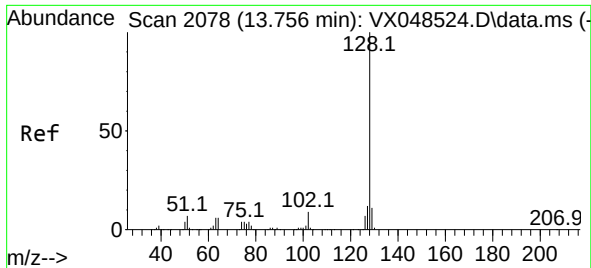
Ion Ratio Lower Upper

91 100

92 45.7 27.2 81.5

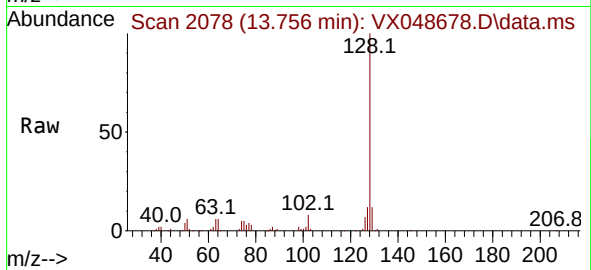
134 0.0 13.0 39.0#





#95
Naphthalene
Concen: 2.086 ug/l
RT: 13.756 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Instrument :
MSVOA_X
ClientSampleId :
MW2



Tgt Ion:128 Resp: 29896
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 13.2 8.7 13.1#

