

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048682.D
 Acq On : 25 Nov 2025 14:02
 Operator : JC/MD
 Sample : Q3716-03 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW4

Quant Time: Nov 26 01:01:10 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	5.544	168	163942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	319891	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	367717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	193417	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111127	48.646	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.300%
35) Dibromofluoromethane	5.373	113	113032	46.686	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.380%
50) Toluene-d8	8.635	98	386736	51.216	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.440%
62) 4-Bromofluorobenzene	11.061	95	164424	58.430	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.860%

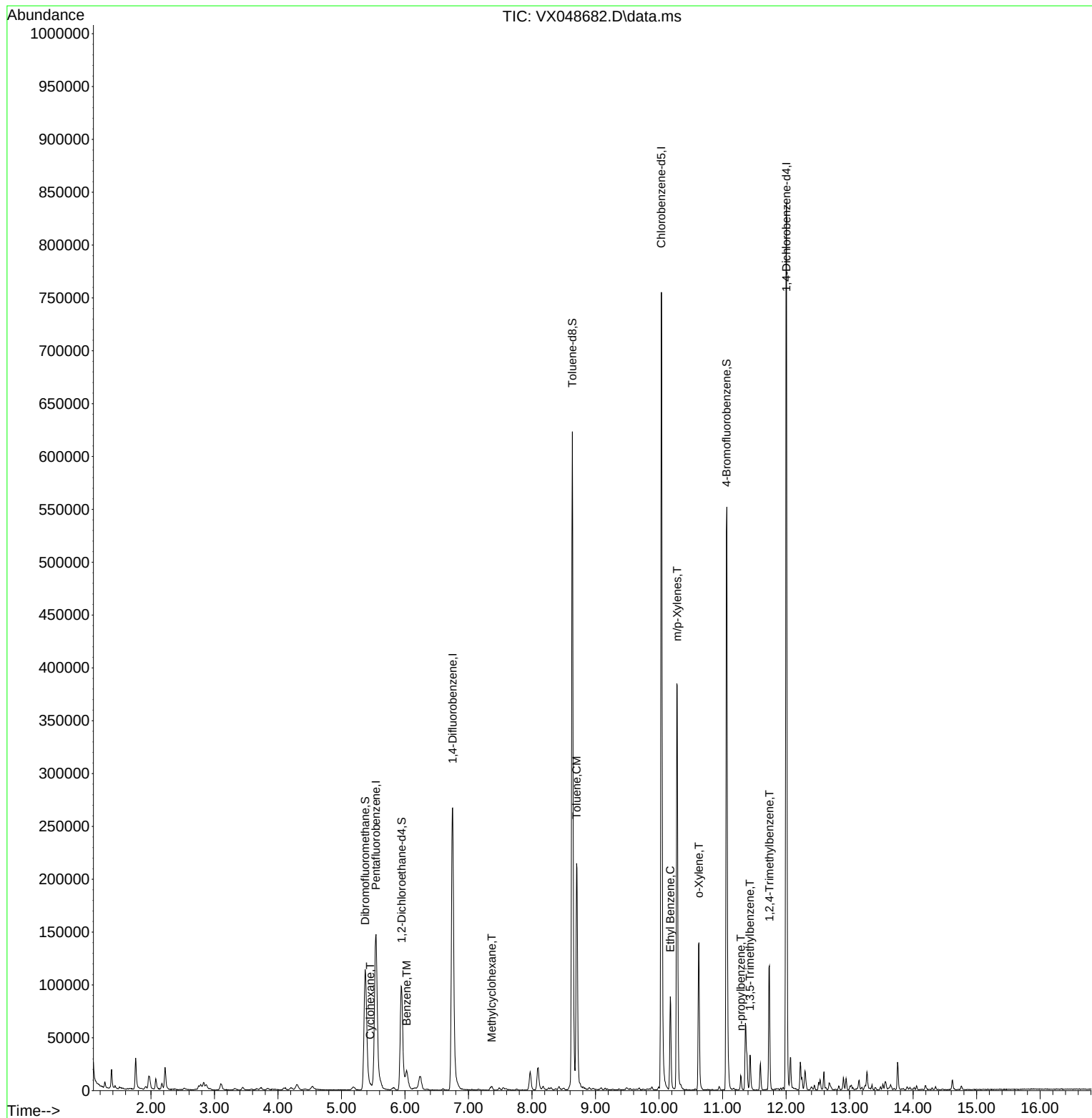
Target Compounds					Qvalue	
31) Cyclohexane	5.452	56	722	0.235	ug/l	# 82
39) Methylcyclohexane	7.366	83	1436	0.394	ug/l	# 88
40) Benzene	6.025	78	21672	2.157	ug/l	99
52) Toluene	8.702	92	87286	16.497	ug/l	100
67) Ethyl Benzene	10.177	91	54080	3.690	ug/l	95
68) m/p-Xylenes	10.287	106	99227	17.976	ug/l	100
69) o-Xylene	10.628	106	34721	6.429	ug/l	100
78) n-propylbenzene	11.287	91	8951	0.542	ug/l	94
80) 1,3,5-Trimethylbenzene	11.433	105	16310	1.425	ug/l	98
84) 1,2,4-Trimethylbenzene	11.738	105	57948	5.018	ug/l	99

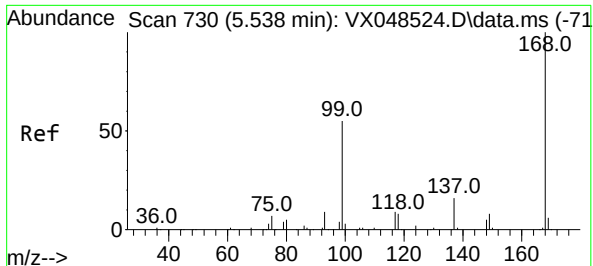
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

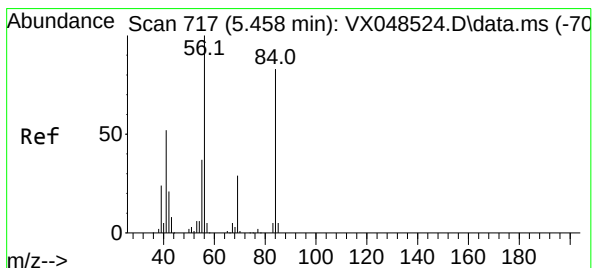
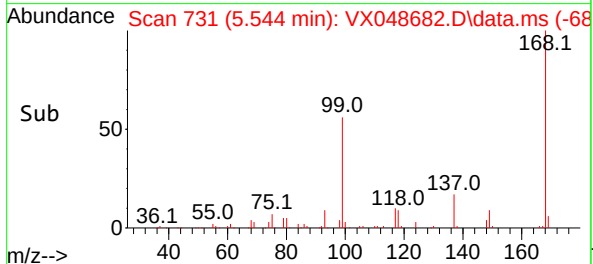
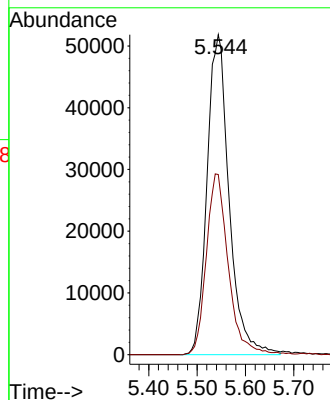
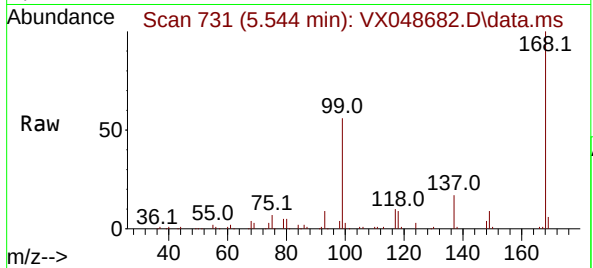




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 716
Delta R.T. 0.006 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

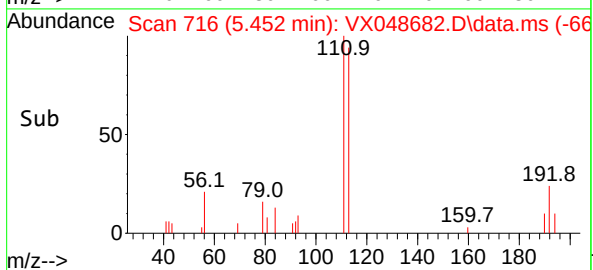
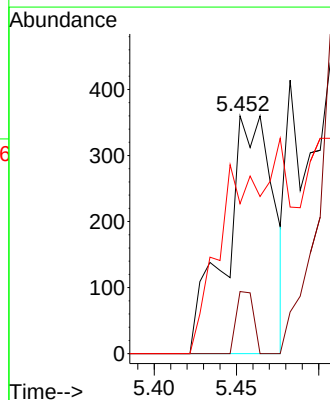
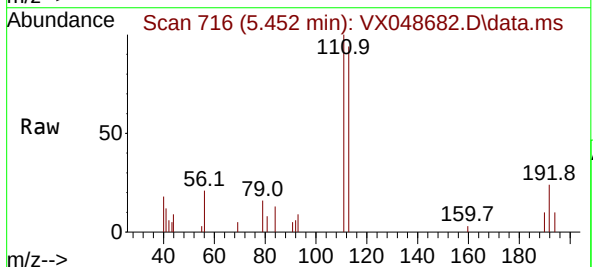
Instrument :
MSVOA_X
ClientSampleId :
MW4

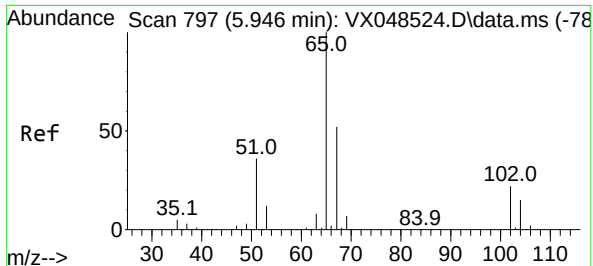
Tgt Ion:168 Resp: 163942
Ion Ratio Lower Upper
168 100
99 56.3 45.2 67.8



#31
Cyclohexane
Concen: 0.235 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

Tgt Ion: 56 Resp: 722
Ion Ratio Lower Upper
56 100
69 26.1 23.4 35.2
84 63.1 66.3 99.5#

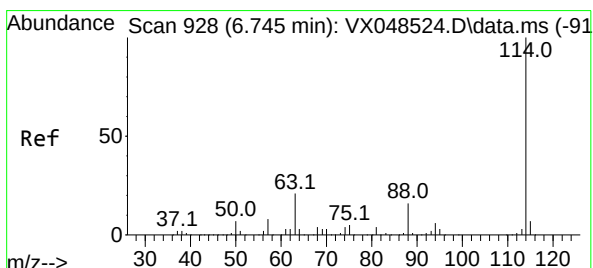
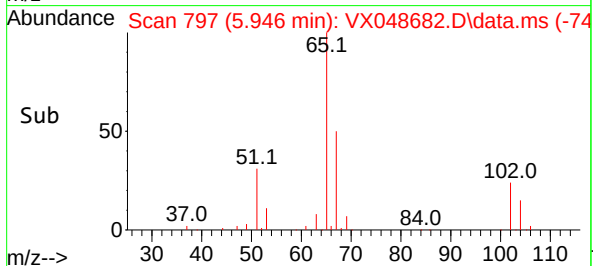
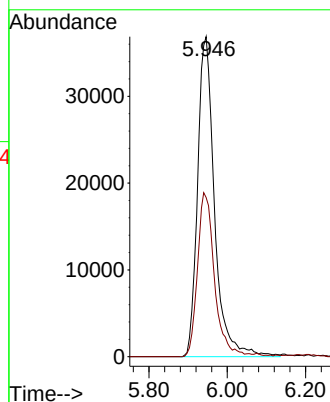
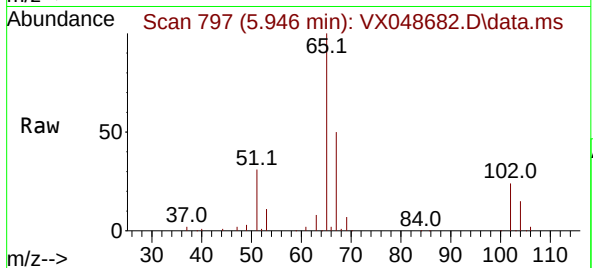




#33
 1,2-Dichloroethane-d4
 Concen: 48.646 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: VX048682.D
 Acq: 25 Nov 2025 14:02

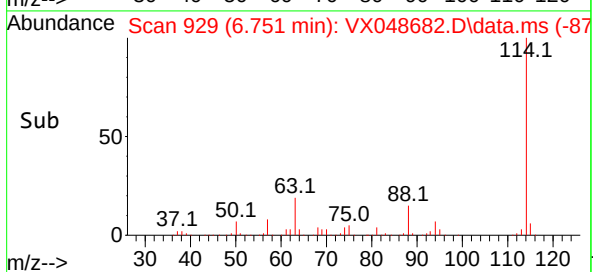
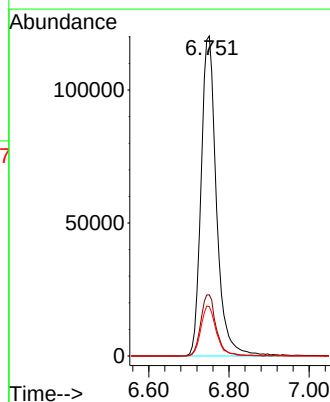
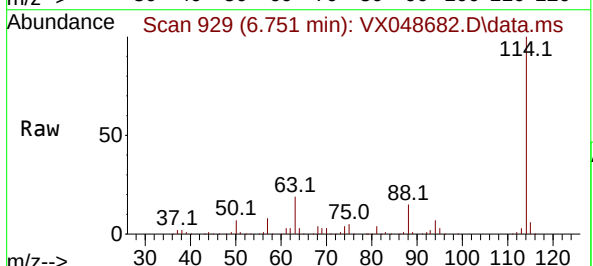
Instrument :
 MSVOA_X
 ClientSampleId :
 MW4

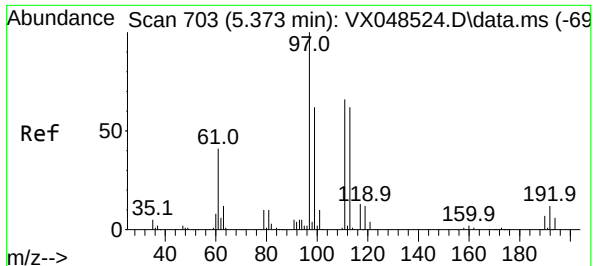
Tgt Ion: 65 Resp: 111127
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048682.D
 Acq: 25 Nov 2025 14:02

Tgt Ion: 114 Resp: 319891
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.2
 88 15.4 0.0 32.2

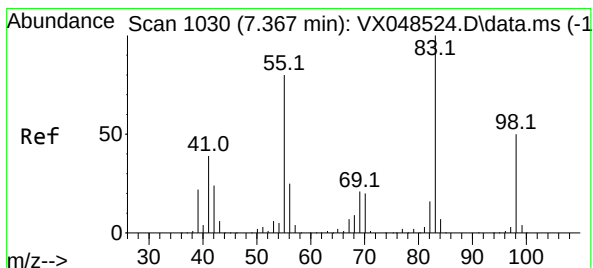
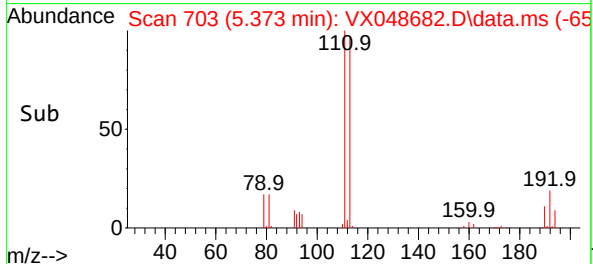
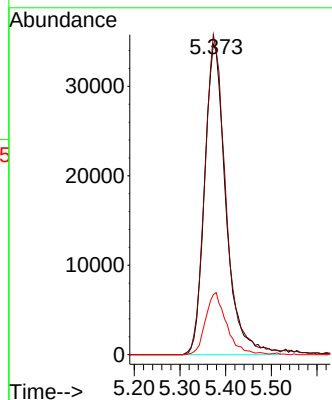
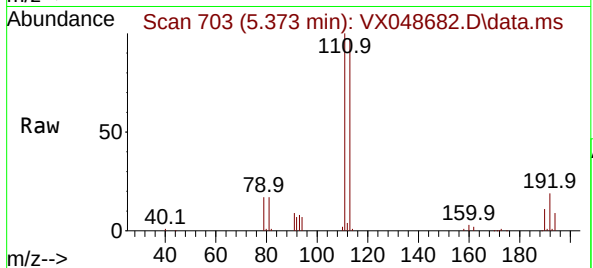




#35
Dibromofluoromethane
Concen: 46.686 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

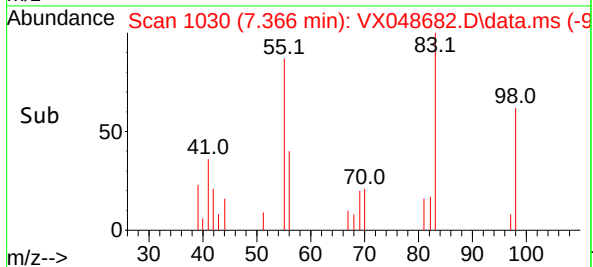
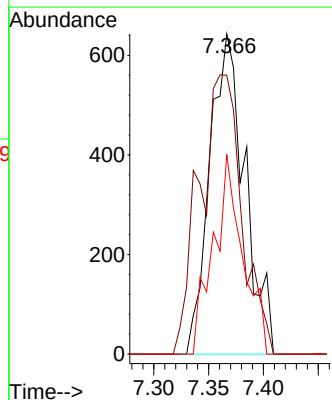
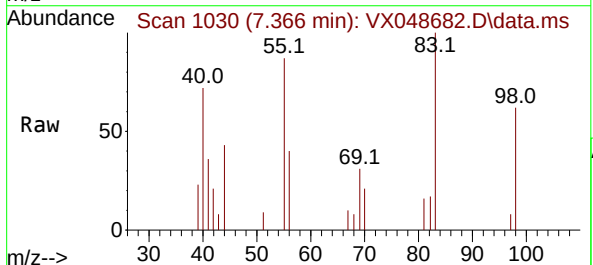
Instrument :
MSVOA_X
ClientSampleId :
MW4

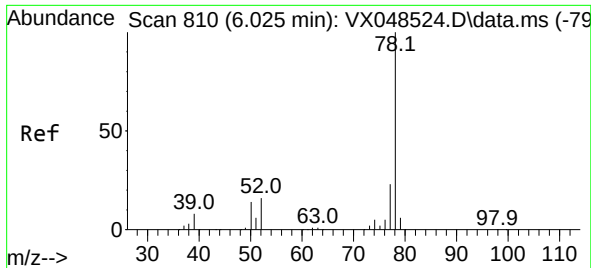
Tgt Ion:113 Resp: 113032
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.6 15.8 23.6



#39
Methylcyclohexane
Concen: 0.394 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

Tgt Ion: 83 Resp: 1436
Ion Ratio Lower Upper
83 100
55 87.1 63.8 95.6
98 62.4 40.3 60.5#

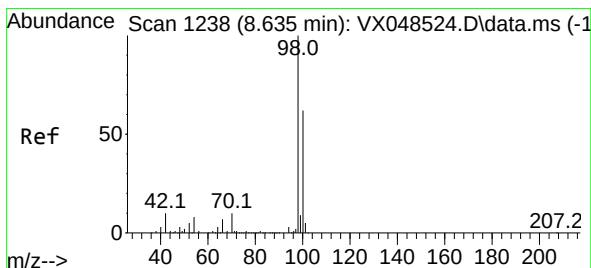
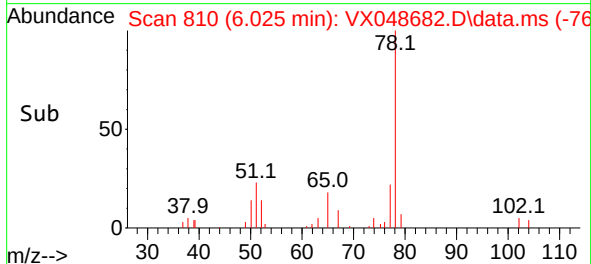
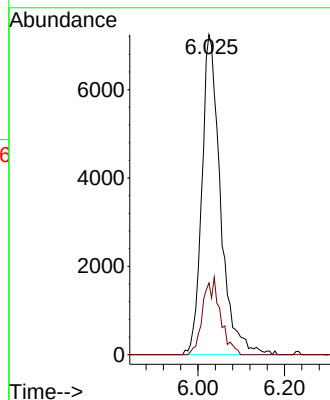
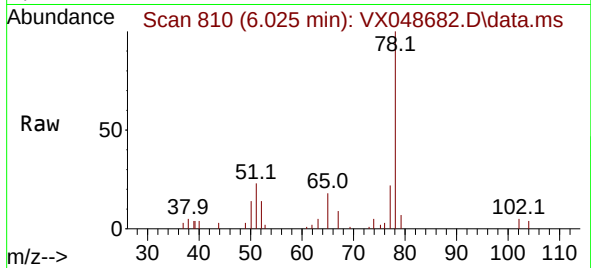




#40
Benzene
Concen: 2.157 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

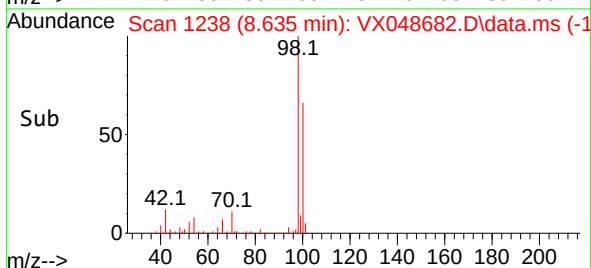
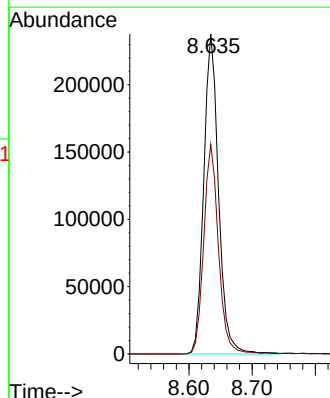
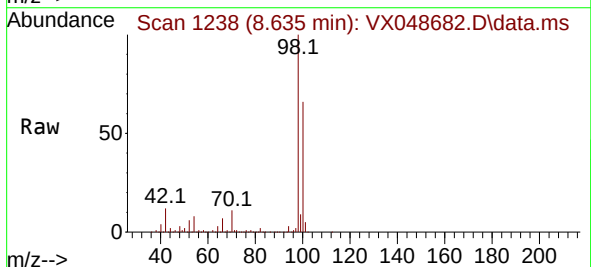
Instrument :
MSVOA_X
ClientSampleId :
MW4

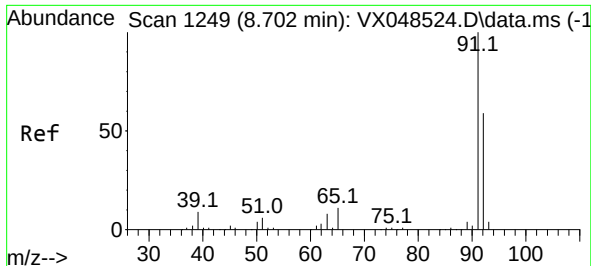
Tgt Ion: 78 Resp: 21672
Ion Ratio Lower Upper
78 100
77 22.4 18.3 27.5



#50
Toluene-d8
Concen: 51.216 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

Tgt Ion: 98 Resp: 386736
Ion Ratio Lower Upper
98 100
100 65.3 53.6 80.4

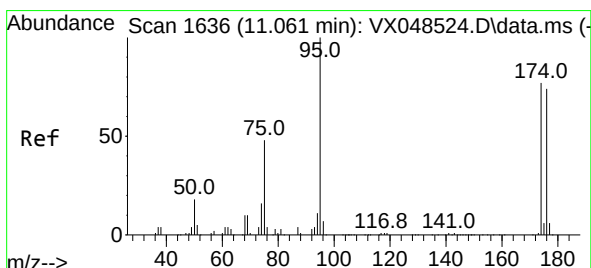
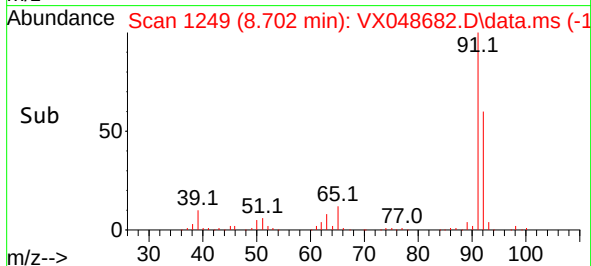
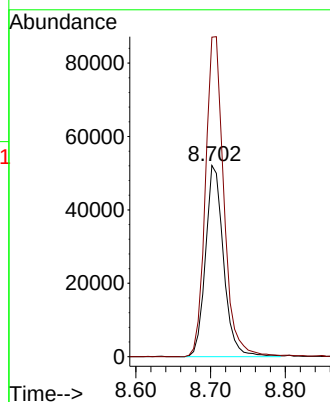
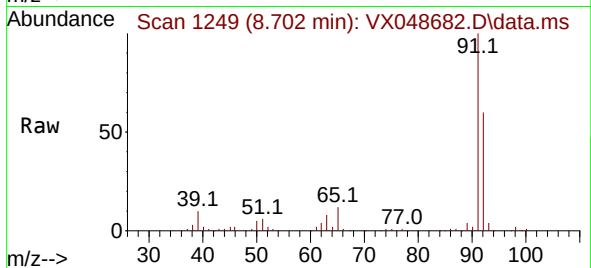




#52
Toluene
Concen: 16.497 ug/l
RT: 8.702 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

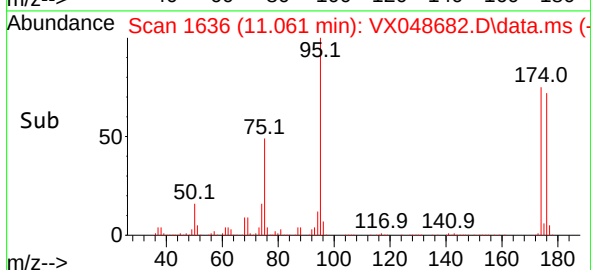
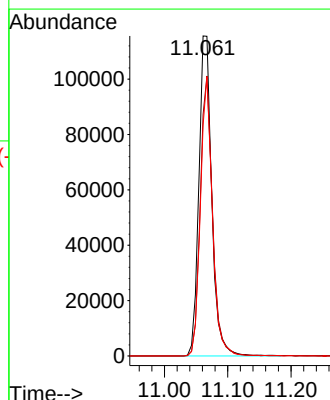
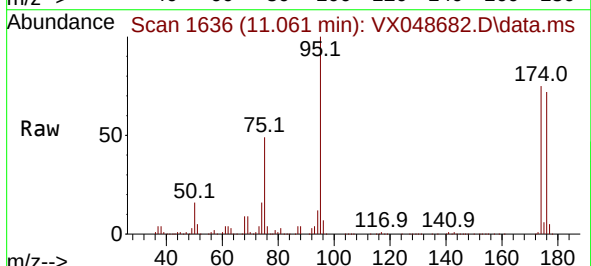
Instrument :
MSVOA_X
ClientSampleId :
MW4

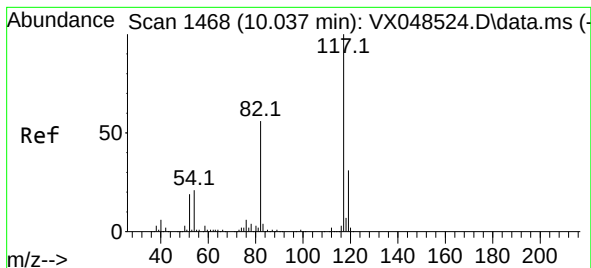
Tgt Ion: 92 Resp: 87286
Ion Ratio Lower Upper
92 100
91 171.7 137.0 205.6



#62
4-Bromofluorobenzene
Concen: 58.430 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

Tgt Ion: 95 Resp: 164424
Ion Ratio Lower Upper
95 100
174 83.7 0.0 161.8
176 81.3 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: VX048682.D

Acq: 25 Nov 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

MW4

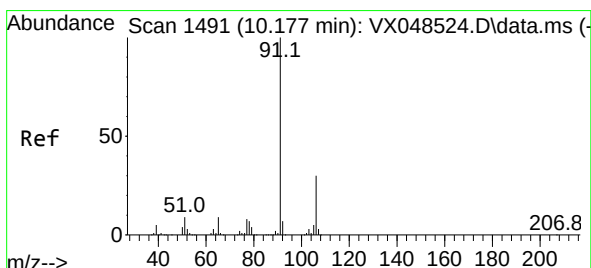
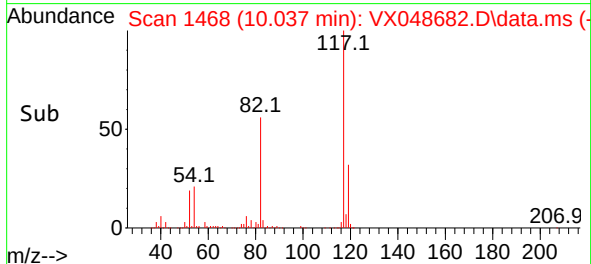
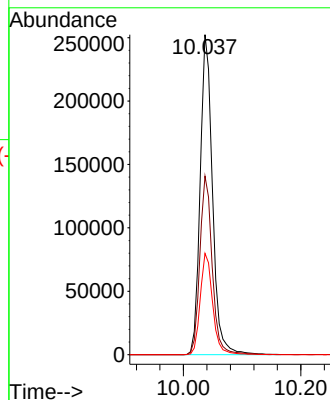
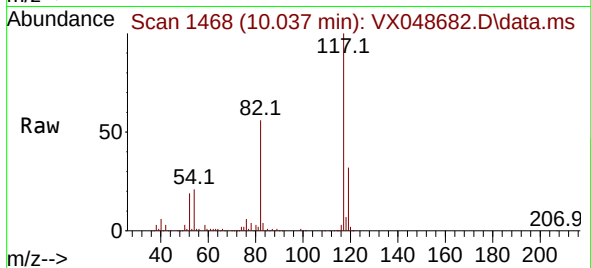
Tgt Ion:117 Resp: 367717

Ion Ratio Lower Upper

117 100

82 55.8 44.4 66.6

119 31.7 25.1 37.7



#67

Ethyl Benzene

Concen: 3.690 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048682.D

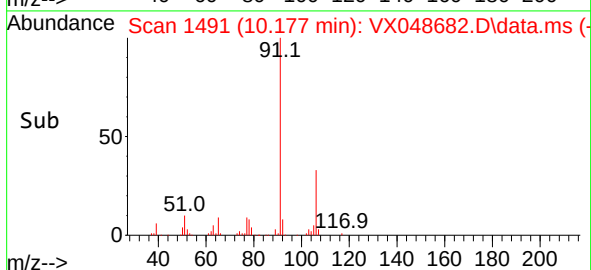
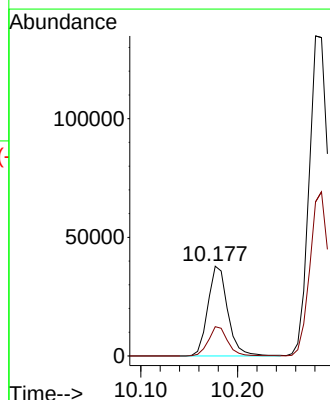
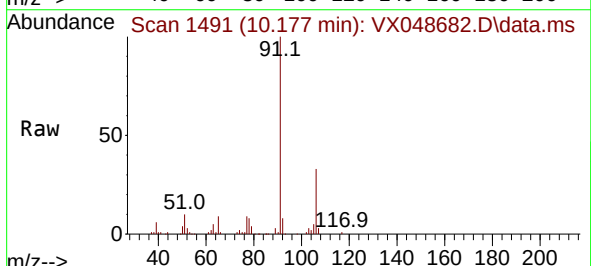
Acq: 25 Nov 2025 14:02

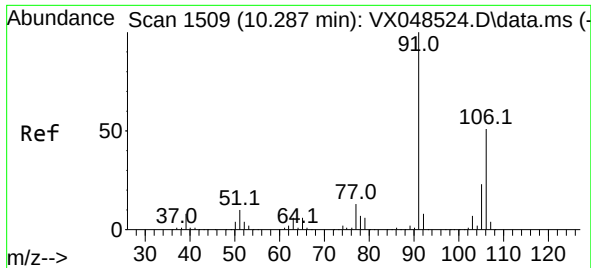
Tgt Ion: 91 Resp: 54080

Ion Ratio Lower Upper

91 100

106 32.7 24.1 36.1

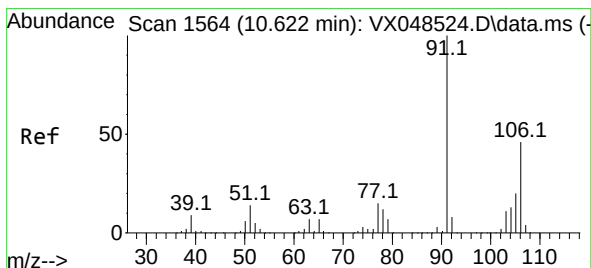
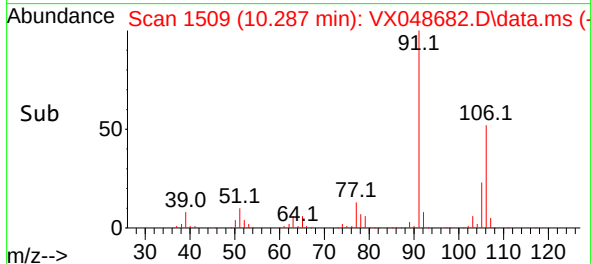
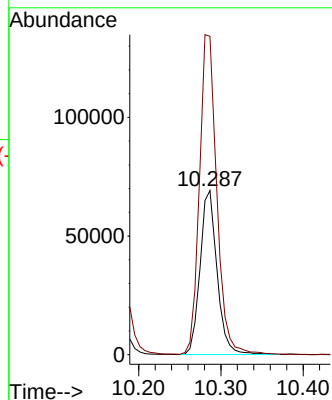
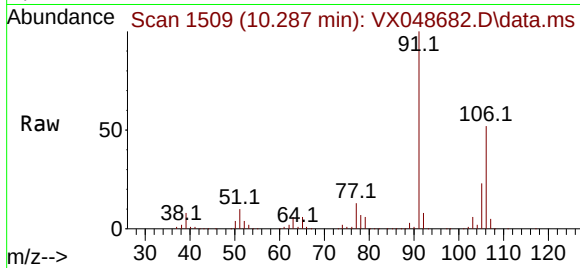




#68
m/p-Xylenes
Concen: 17.976 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

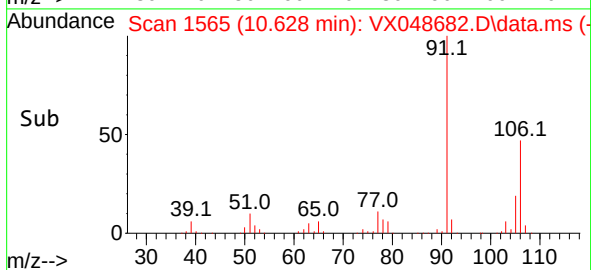
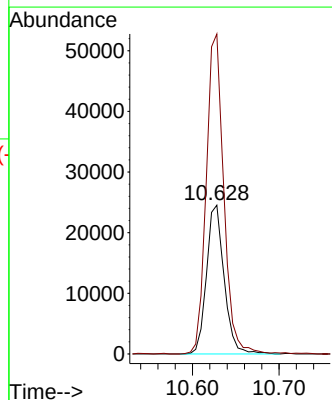
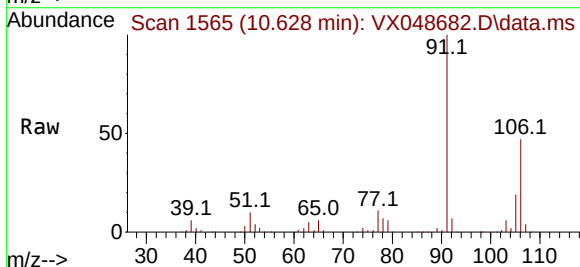
Instrument :
MSVOA_X
ClientSampleId :
MW4

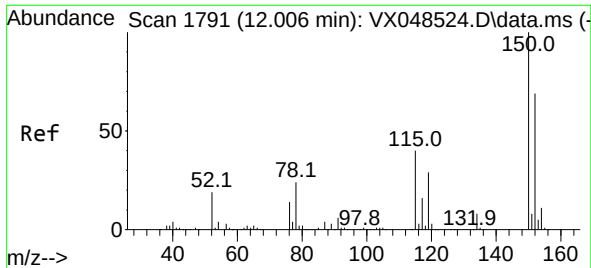
Tgt Ion:106 Resp: 99227
Ion Ratio Lower Upper
106 100
91 199.8 159.6 239.4



#69
o-Xylene
Concen: 6.429 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

Tgt Ion:106 Resp: 34721
Ion Ratio Lower Upper
106 100
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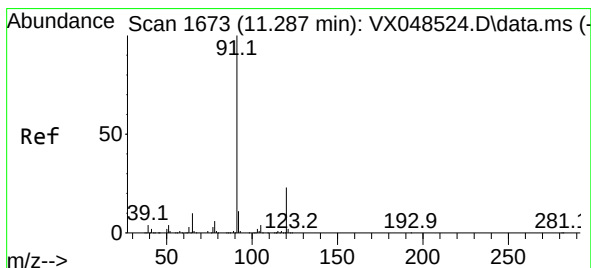
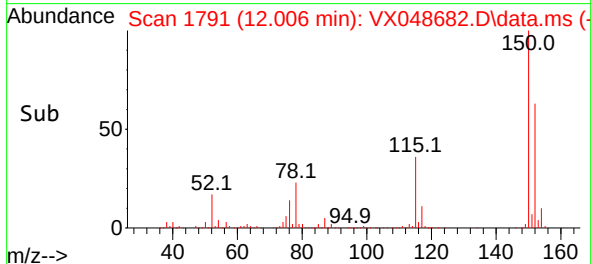
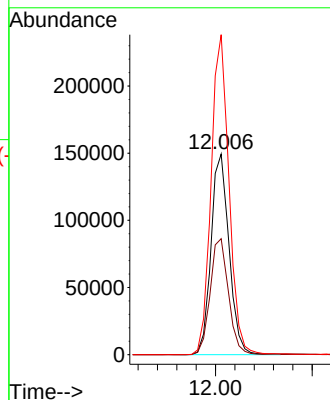
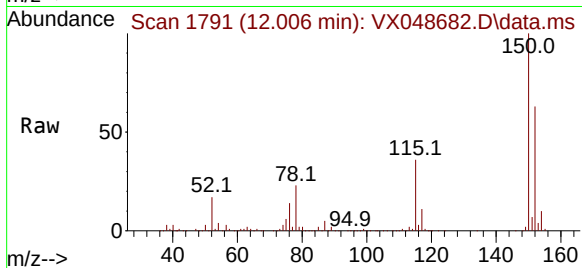




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX048682.D
 Acq: 25 Nov 2025 14:02

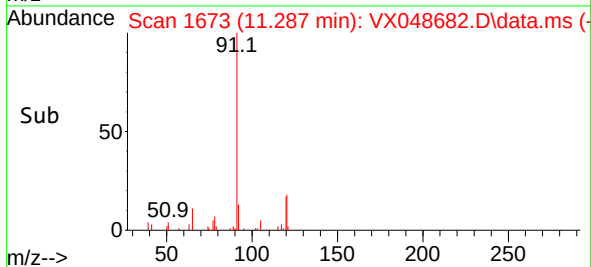
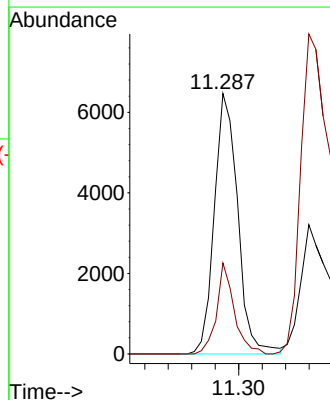
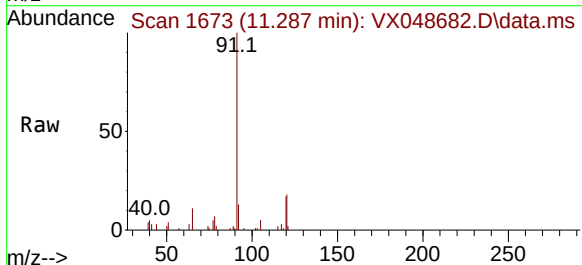
Instrument :
 MSVOA_X
 ClientSampleId :
 MW4

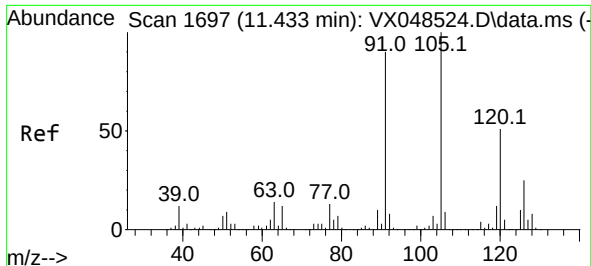
Tgt Ion:152 Resp: 193417
 Ion Ratio Lower Upper
 152 100
 115 58.7 39.2 117.6
 150 158.4 0.0 347.0



#78
 n-propylbenzene
 Concen: 0.542 ug/l
 RT: 11.287 min Scan# 1673
 Delta R.T. -0.000 min
 Lab File: VX048682.D
 Acq: 25 Nov 2025 14:02

Tgt Ion: 91 Resp: 8951
 Ion Ratio Lower Upper
 91 100
 120 26.3 11.6 34.8

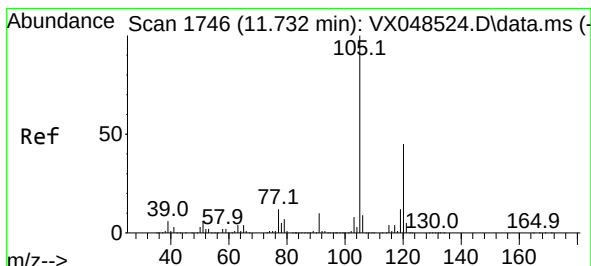
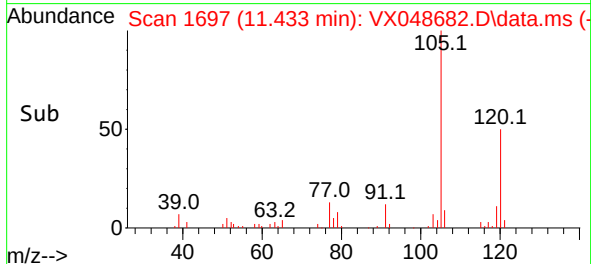
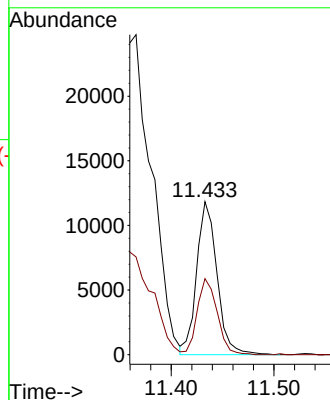
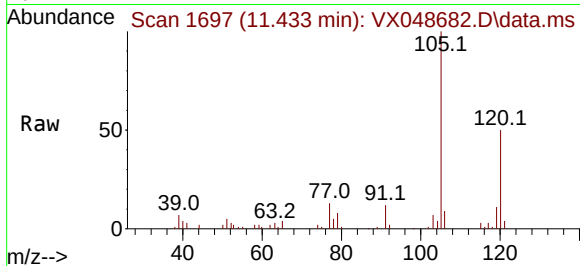




#80
1,3,5-Trimethylbenzene
Concen: 1.425 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

Instrument :
MSVOA_X
ClientSampleId :
MW4

Tgt Ion:105 Resp: 16310
Ion Ratio Lower Upper
105 100
120 48.9 25.1 75.2



#84
1,2,4-Trimethylbenzene
Concen: 5.018 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048682.D
Acq: 25 Nov 2025 14:02

Tgt Ion:105 Resp: 57948
Ion Ratio Lower Upper
105 100
120 44.1 22.4 67.0

