

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048360.D
 Acq On : 27 Oct 2025 11:15
 Operator : JC/MD
 Sample : Q3446-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-15

Quant Time: Oct 28 01:49:54 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	5.537	168	103133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	210385	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106694	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	78402	54.220	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.440%
35) Dibromofluoromethane	5.373	113	55278	38.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	76.980%
50) Toluene-d8	8.634	98	229985	45.683	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.360%#
62) 4-Bromofluorobenzene	11.061	95	99847	52.134	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.260%

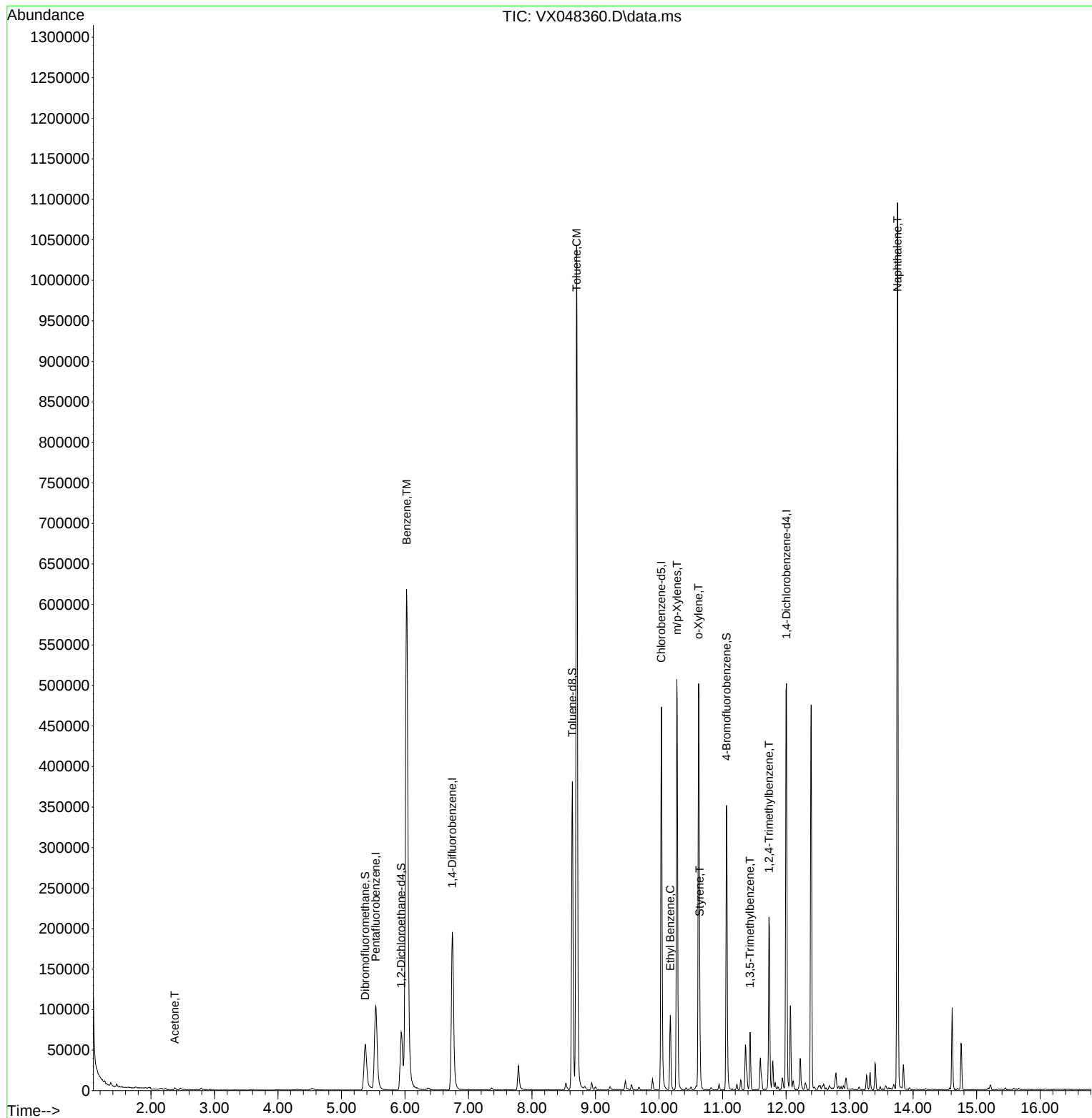
Target Compounds					Qvalue	
16) Acetone	2.373	43	3342	6.737	ug/l #	86
40) Benzene	6.025	78	797640	134.579	ug/l	100
52) Toluene	8.702	92	401244	106.564	ug/l	100
67) Ethyl Benzene	10.177	91	54585	6.691	ug/l	97
68) m/p-Xylenes	10.281	106	117973	38.923	ug/l	99
69) o-Xylene	10.622	106	108425	37.054	ug/l	99
70) Styrene	10.640	104	27412	5.502	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.433	105	30604	4.746	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	92021	14.298	ug/l	96
95) Naphthalene	13.756	128	622739	100.498	ug/l	100

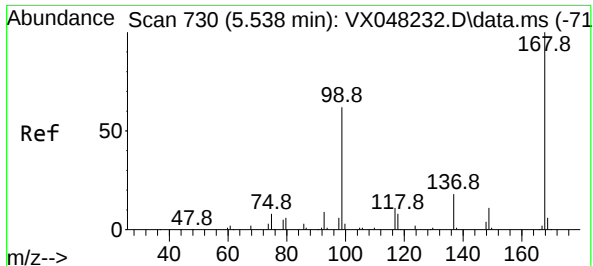
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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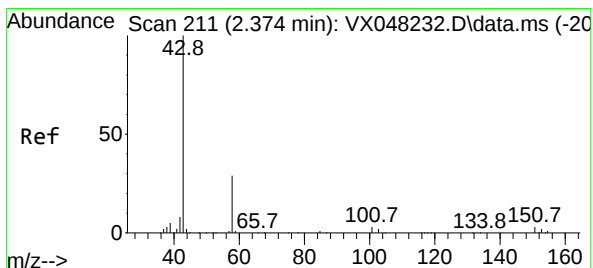
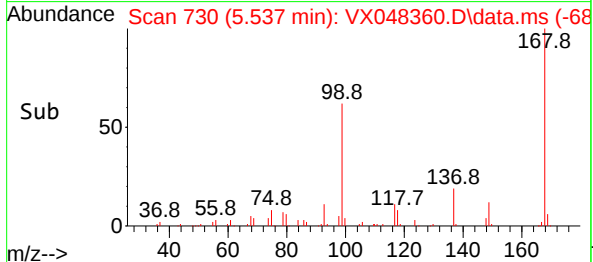
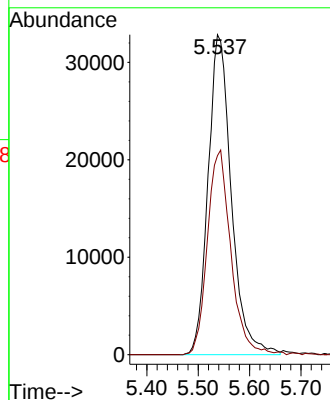
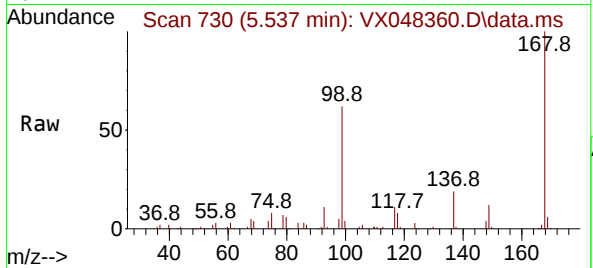




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

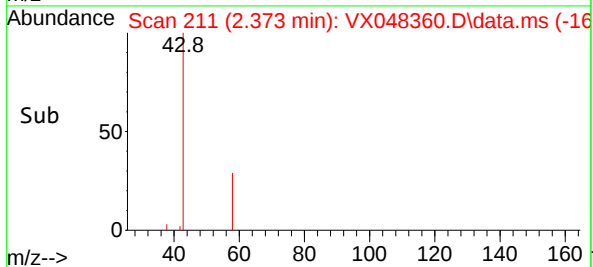
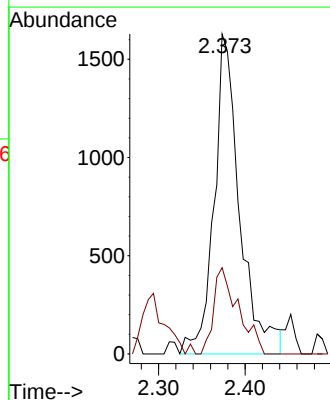
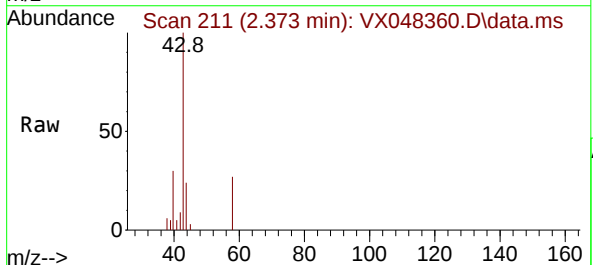
Instrument :
MSVOA_X
ClientSampleId :
SB-15

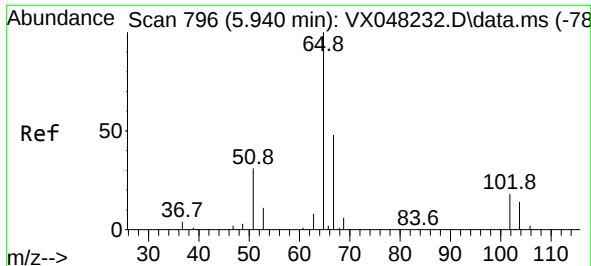
Tgt Ion:168 Resp: 103133
Ion Ratio Lower Upper
168 100
99 62.2 46.4 69.6



#16
Acetone
Concen: 6.737 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

Tgt Ion: 43 Resp: 3342
Ion Ratio Lower Upper
43 100
58 21.7 23.4 35.2#

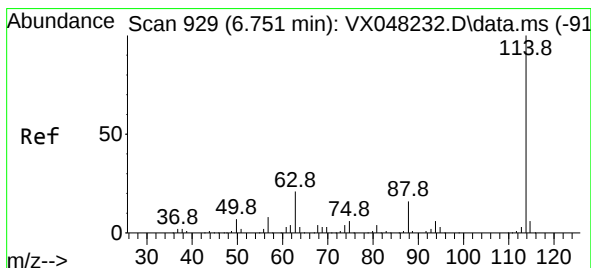
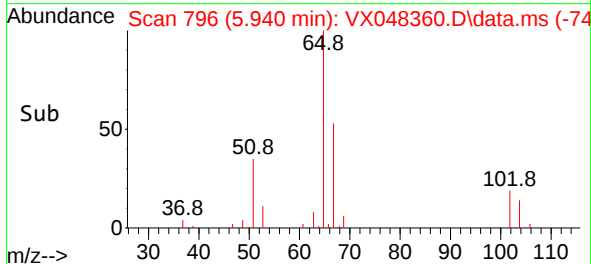
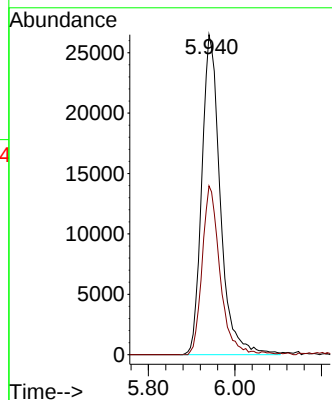
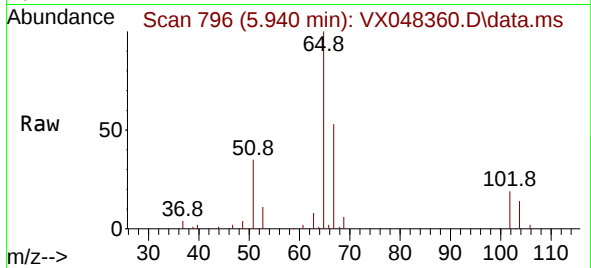




#33
 1,2-Dichloroethane-d4
 Concen: 54.220 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048360.D
 Acq: 27 Oct 2025 11:15

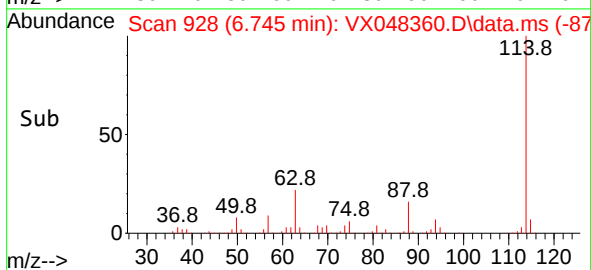
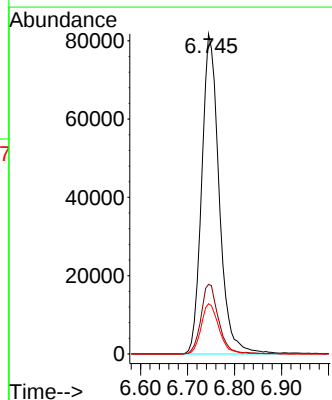
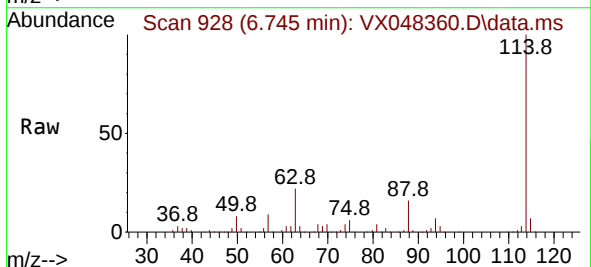
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-15

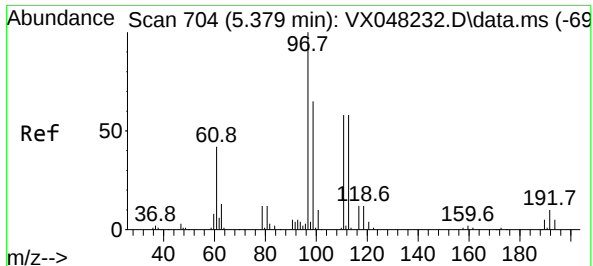
Tgt Ion: 65 Resp: 78402
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048360.D
 Acq: 27 Oct 2025 11:15

Tgt Ion: 114 Resp: 210385
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 15.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 38.487 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX048360.D

Acq: 27 Oct 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

SB-15

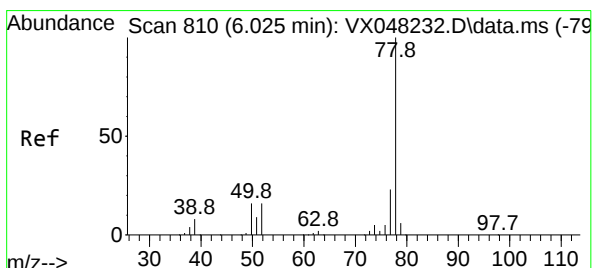
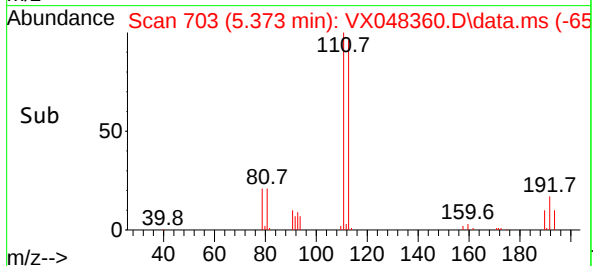
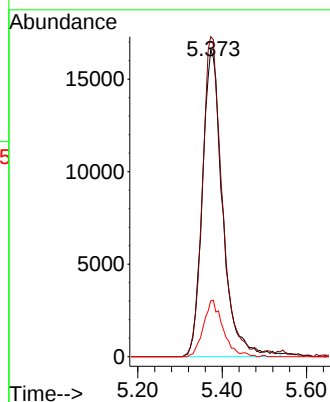
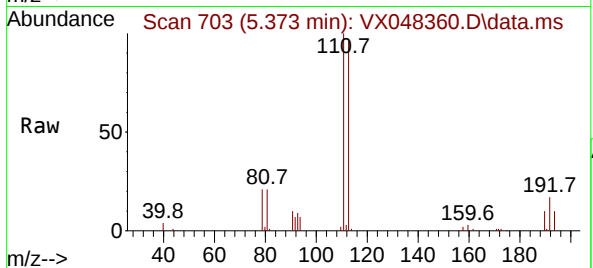
Tgt Ion:113 Resp: 55278

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 17.9 15.1 22.7



#40

Benzene

Concen: 134.579 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX048360.D

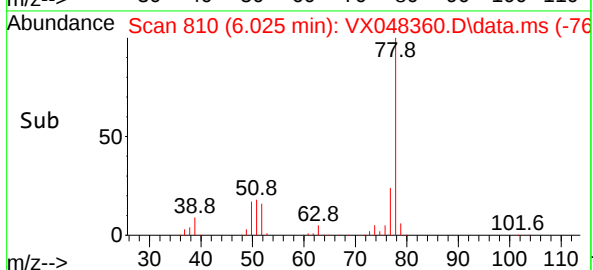
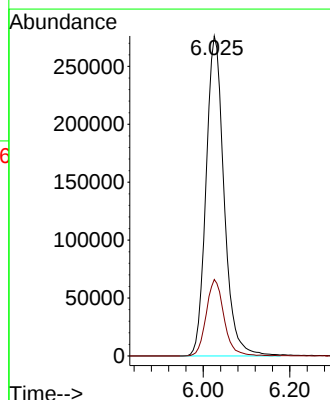
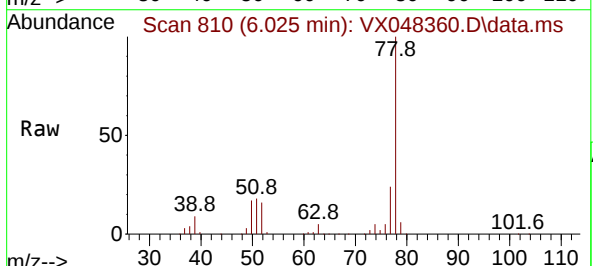
Acq: 27 Oct 2025 11:15

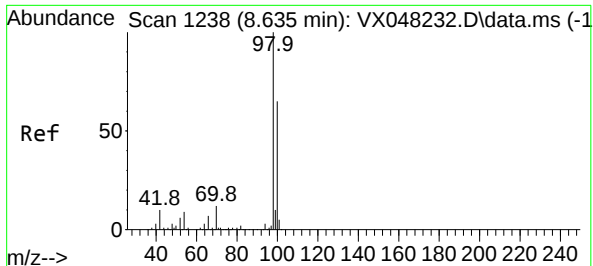
Tgt Ion: 78 Resp: 797640

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

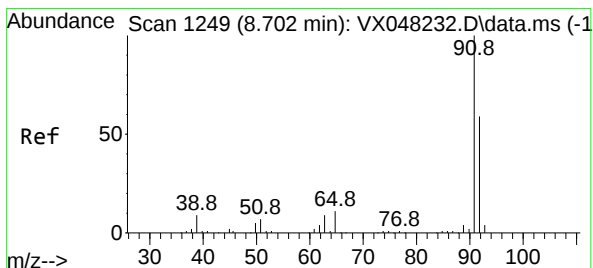
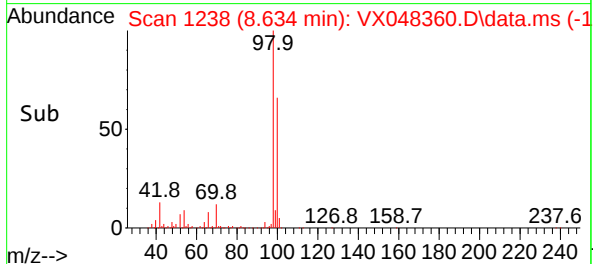
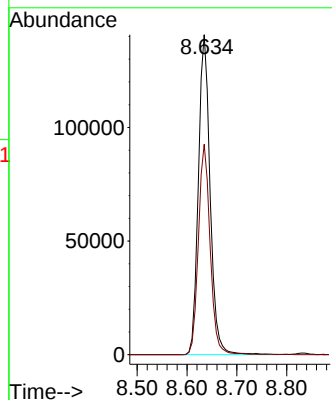
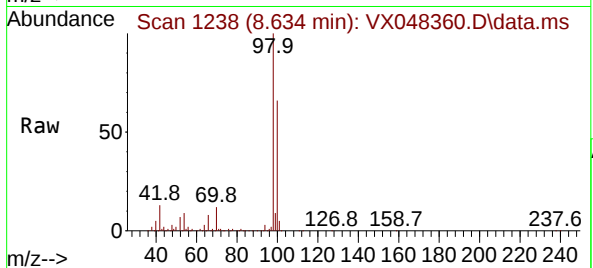




#50
Toluene-d8
Concen: 45.683 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

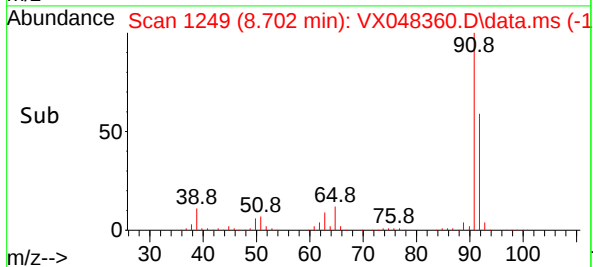
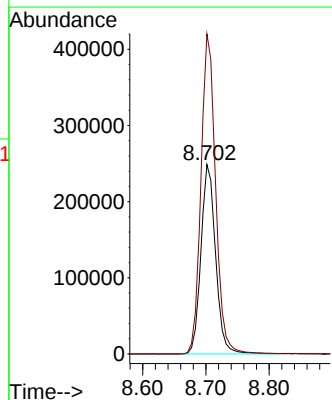
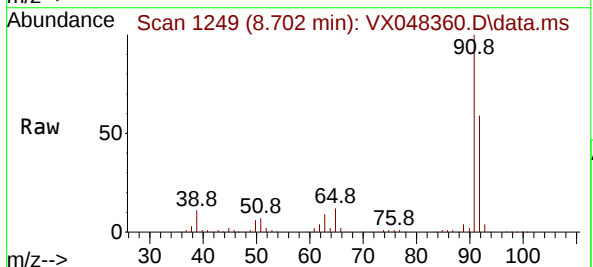
Instrument :
MSVOA_X
ClientSampleId :
SB-15

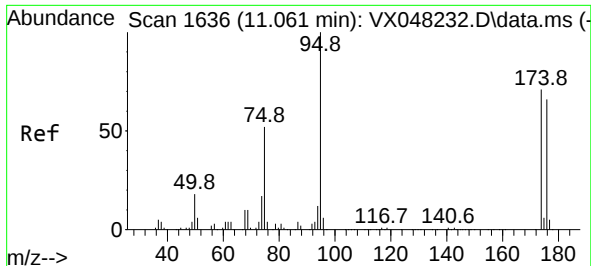
Tgt Ion: 98 Resp: 229985
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#52
Toluene
Concen: 106.564 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

Tgt Ion: 92 Resp: 401244
Ion Ratio Lower Upper
92 100
91 169.9 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 52.134 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048360.D

Acq: 27 Oct 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

SB-15

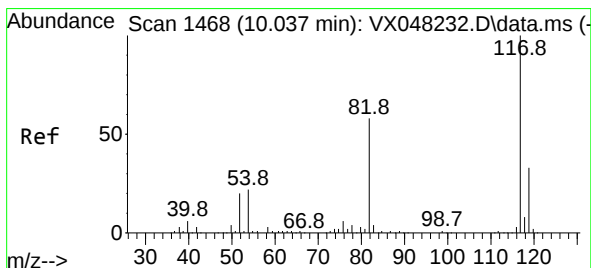
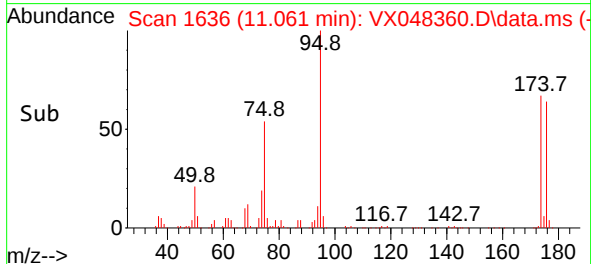
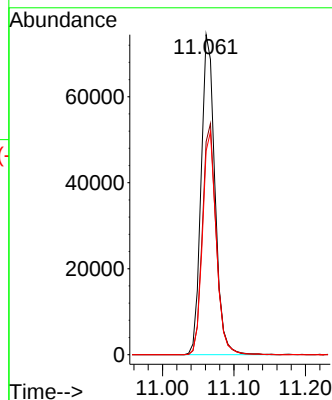
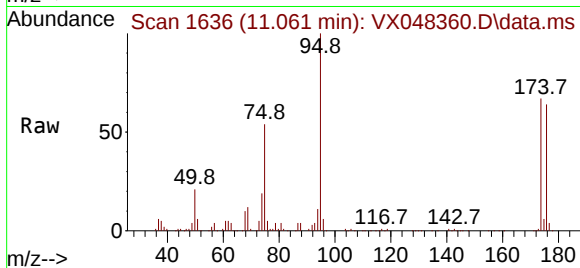
Tgt Ion: 95 Resp: 99847

Ion Ratio Lower Upper

95 100

174 71.9 0.0 147.8

176 69.7 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: VX048360.D

Acq: 27 Oct 2025 11:15

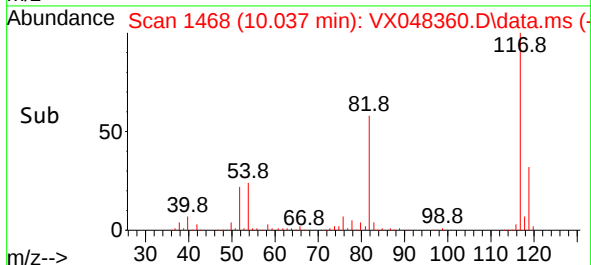
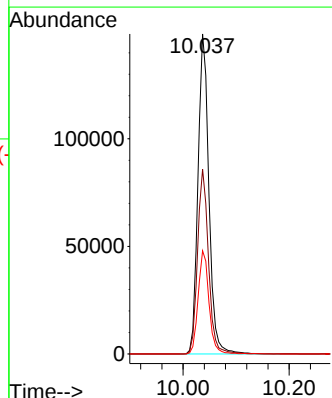
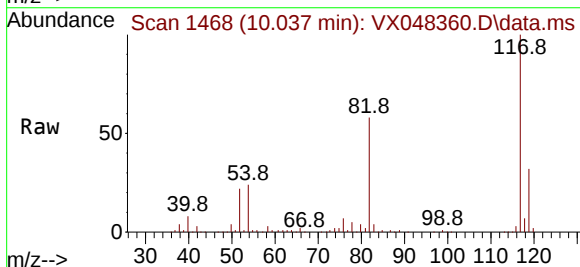
Tgt Ion: 117 Resp: 212992

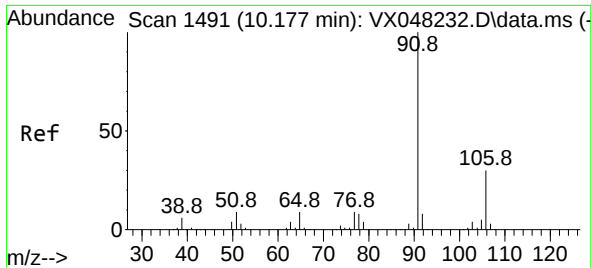
Ion Ratio Lower Upper

117 100

82 57.7 46.5 69.7

119 32.3 25.9 38.9

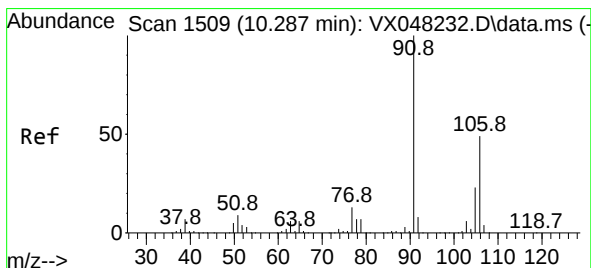
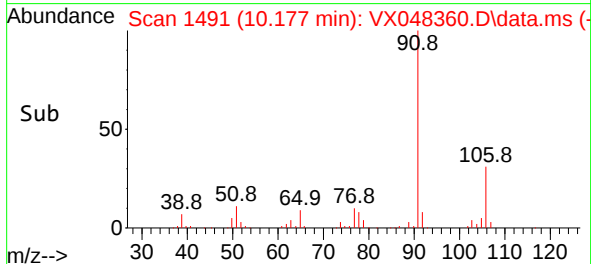
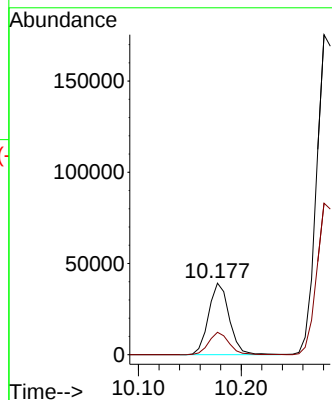
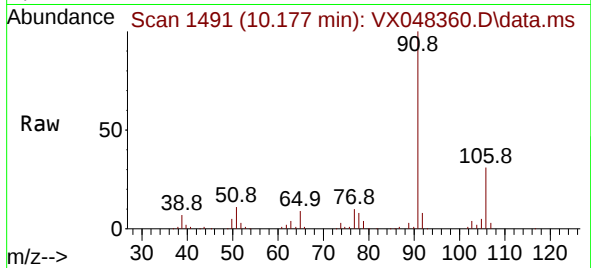




#67
Ethyl Benzene
Concen: 6.691 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

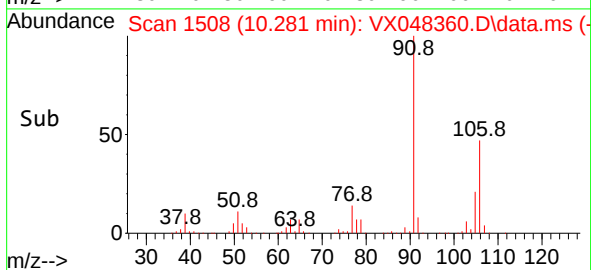
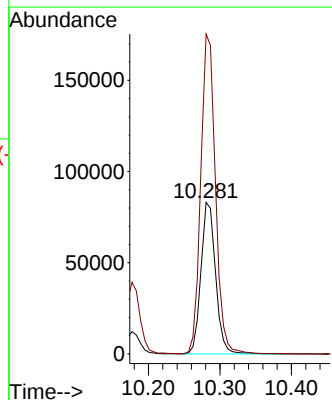
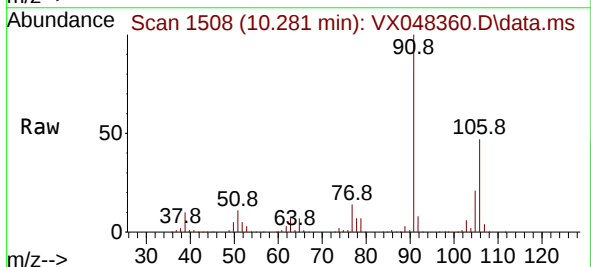
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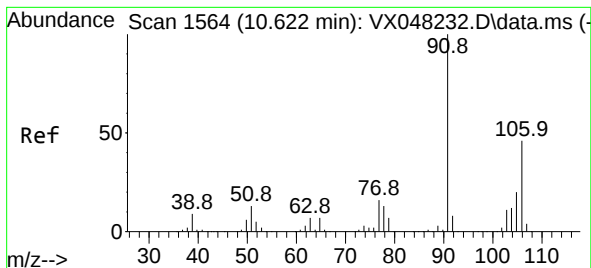
Tgt Ion: 91 Resp: 54585
Ion Ratio Lower Upper
91 100
106 31.4 23.8 35.6



#68
m/p-Xylenes
Concen: 38.923 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

Tgt Ion:106 Resp: 117973
Ion Ratio Lower Upper
106 100
91 212.2 167.9 251.9





#69

o-Xylene

Concen: 37.054 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. -0.000 min

Lab File: VX048360.D

Acq: 27 Oct 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

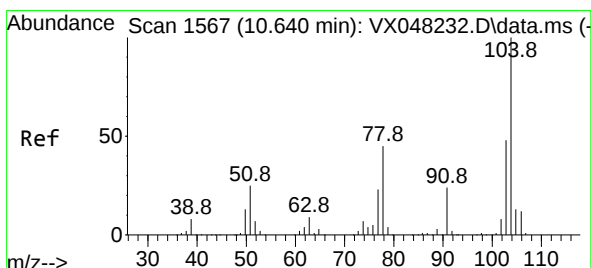
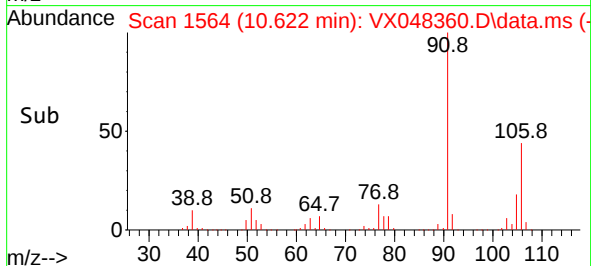
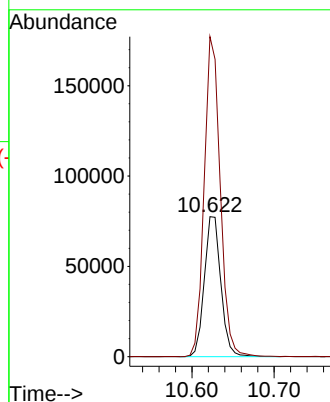
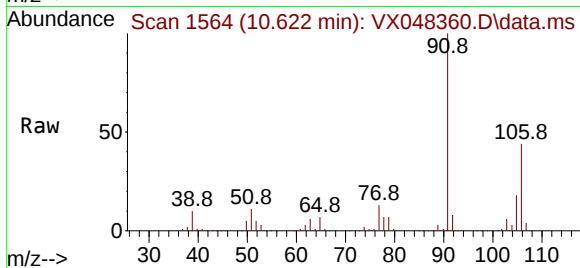
SB-15

Tgt Ion:106 Resp: 108425

Ion Ratio Lower Upper

106 100

91 221.1 111.3 333.9



#70

Styrene

Concen: 5.502 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX048360.D

Acq: 27 Oct 2025 11:15

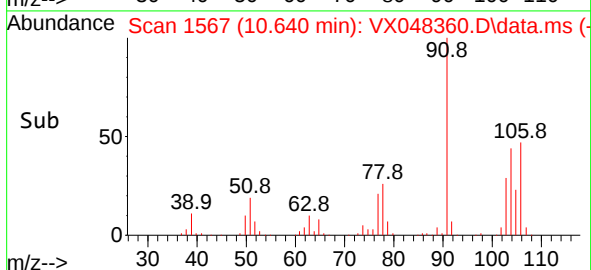
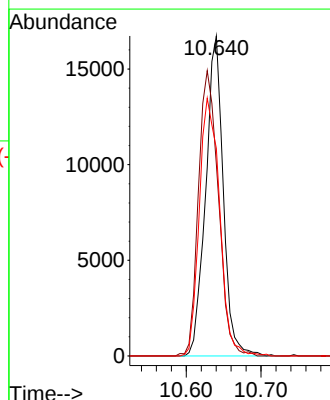
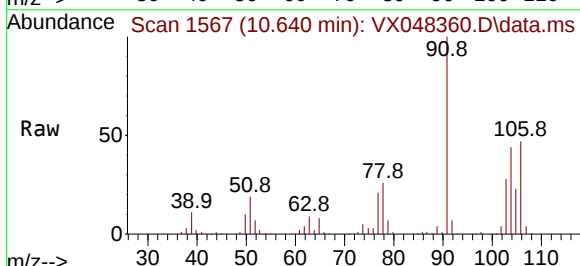
Tgt Ion:104 Resp: 27412

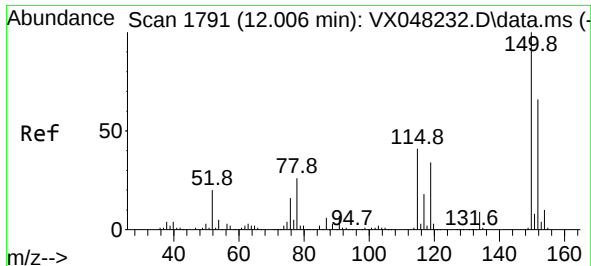
Ion Ratio Lower Upper

104 100

78 100.6 42.2 63.4#

103 93.1 43.0 64.4#

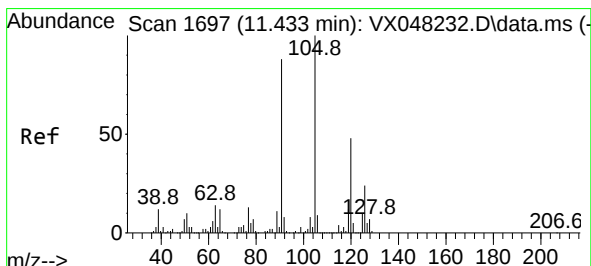
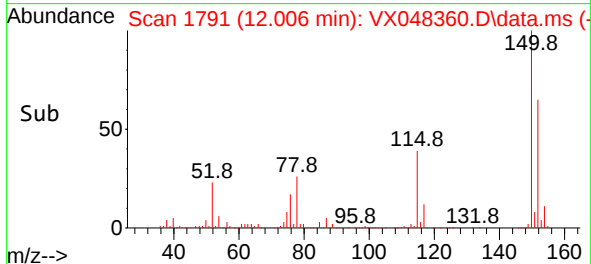
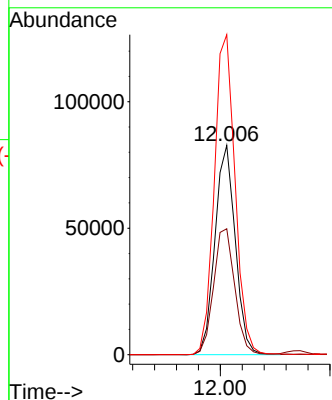
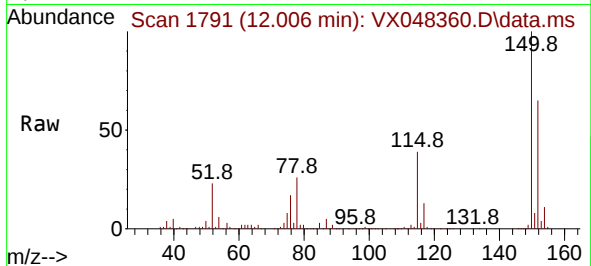




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

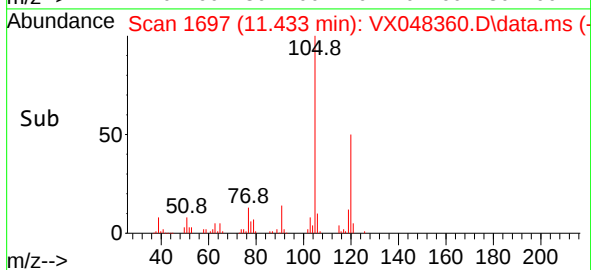
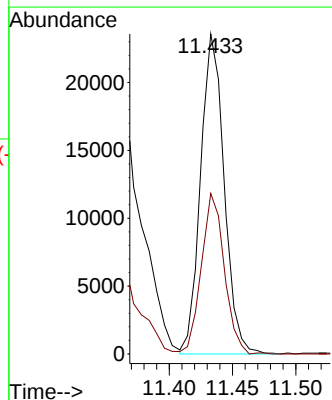
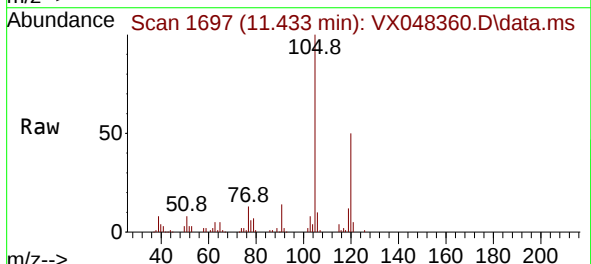
Instrument :
MSVOA_X
ClientSampleId :
SB-15

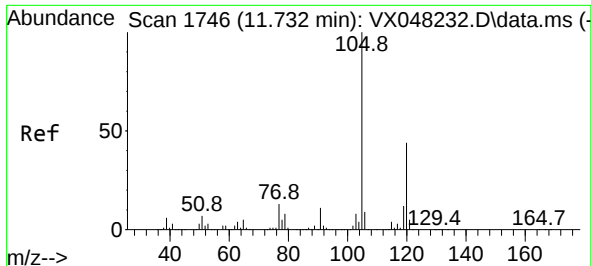
Tgt Ion:152 Resp: 106694
Ion Ratio Lower Upper
152 100
115 62.7 43.1 129.4
150 155.8 0.0 353.0



#80
1,3,5-Trimethylbenzene
Concen: 4.746 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

Tgt Ion:105 Resp: 30604
Ion Ratio Lower Upper
105 100
120 48.9 24.0 72.0

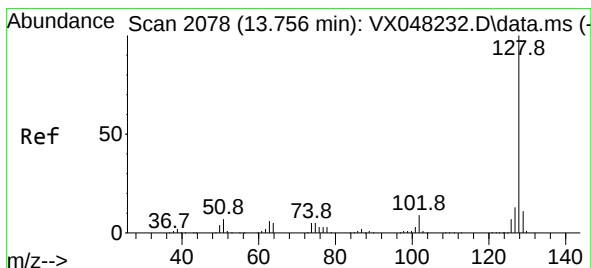
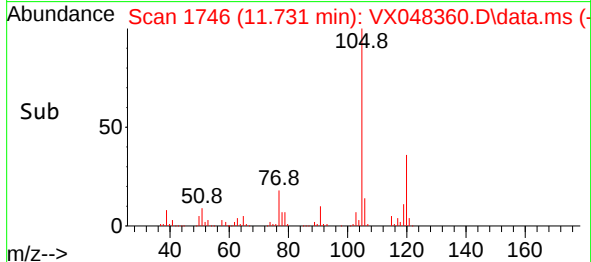
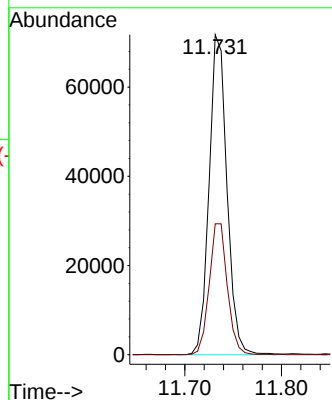
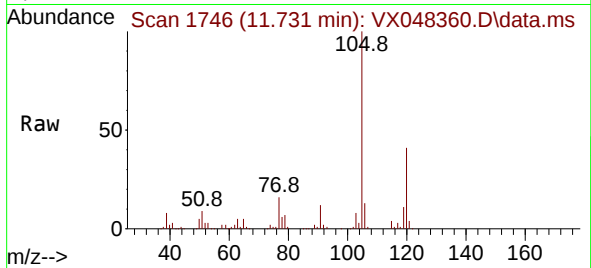




#84
1,2,4-Trimethylbenzene
Concen: 14.298 ug/l
RT: 11.731 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
SB-15

Tgt Ion:105 Resp: 92021
Ion Ratio Lower Upper
105 100
120 41.6 22.1 66.5



#95
Naphthalene
Concen: 100.498 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048360.D
Acq: 27 Oct 2025 11:15

Tgt Ion:128 Resp: 622739
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 12.8

