

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048329.D
 Acq On : 23 Oct 2025 16:28
 Operator : JC/MD
 Sample : Q3414-12 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12

Quant Time: Oct 24 05:48:31 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)

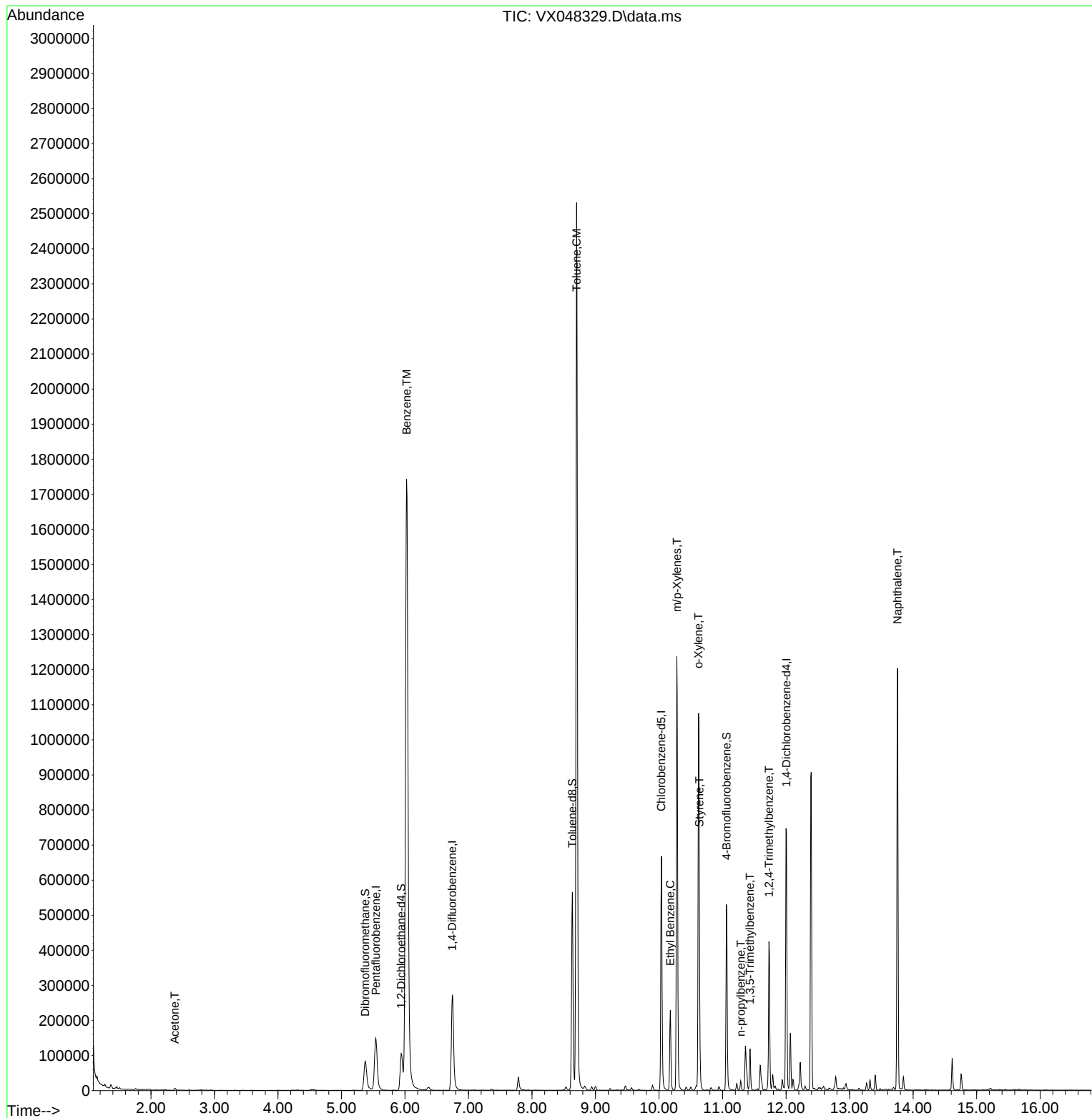
Internal Standards						
1) Pentafluorobenzene	5.544	168	147820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	290262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	299097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	118198	57.030	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	114.060%	
35) Dibromofluoromethane	5.373	113	81882	41.321	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	82.640%	
50) Toluene-d8	8.635	98	337513	48.593	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	97.180%	
62) 4-Bromofluorobenzene	11.061	95	146715	55.524	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	111.040%	
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	7630	10.731	ug/l	93
40) Benzene	6.025	78	2253128	275.537	ug/l	99
52) Toluene	8.702	92	965954	185.944	ug/l	99
67) Ethyl Benzene	10.177	91	133575	11.660	ug/l	97
68) m/p-Xylenes	10.281	106	281686	66.183	ug/l	100
69) o-Xylene	10.622	106	226759	55.185	ug/l	100
70) Styrene	10.634	104	50262	7.184	ug/l #	28
78) n-propylbenzene	11.287	91	16159	1.237	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	51188	5.484	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	179052	19.221	ug/l	96
95) Naphthalene	13.756	128	700394	78.092	ug/l	100

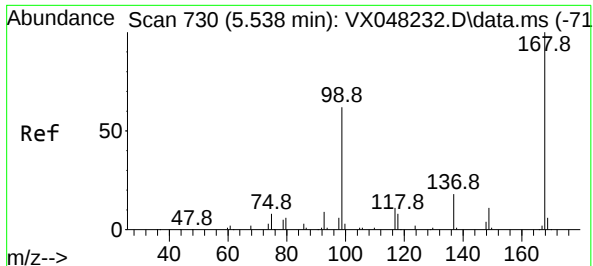
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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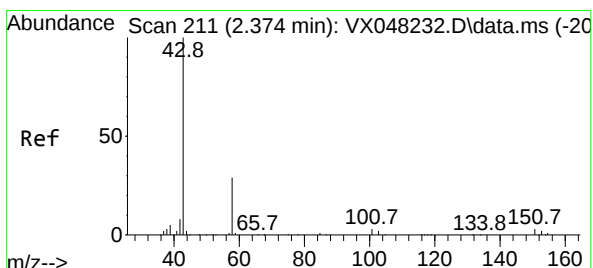
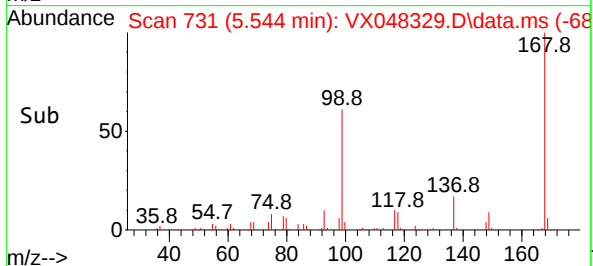
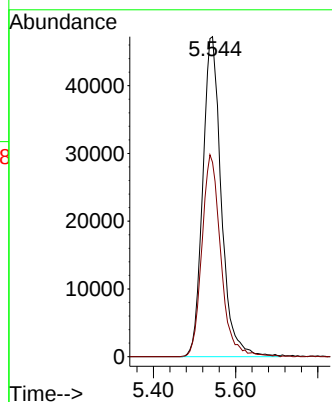
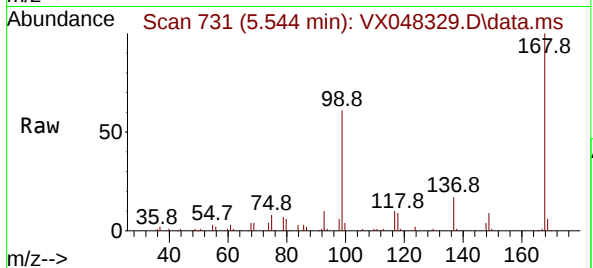




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

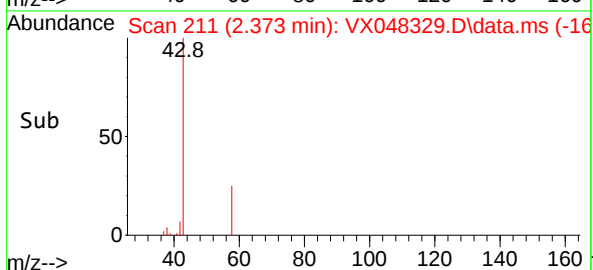
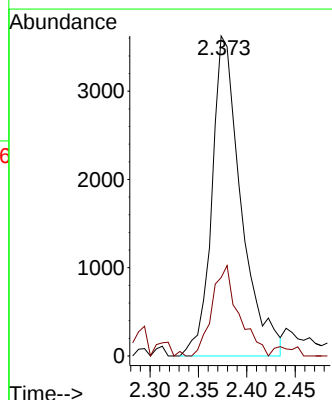
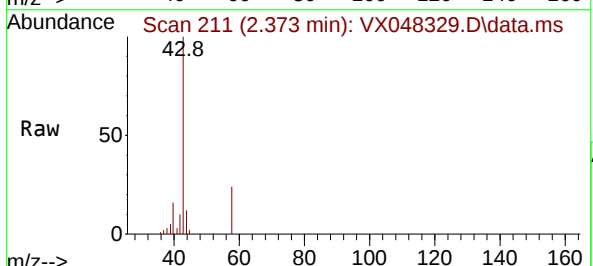
Instrument :
MSVOA_X
ClientSampleId :
SB-12

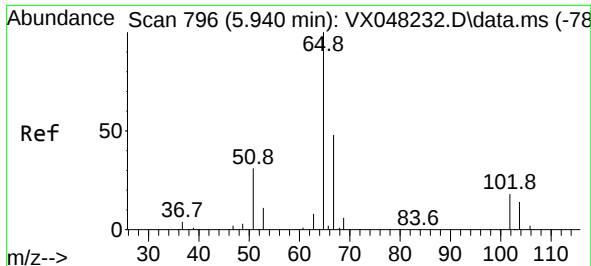
Tgt Ion:168 Resp: 147820
Ion Ratio Lower Upper
168 100
99 60.8 46.4 69.6



#16
Acetone
Concen: 10.731 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

Tgt Ion: 43 Resp: 7630
Ion Ratio Lower Upper
43 100
58 25.7 23.4 35.2

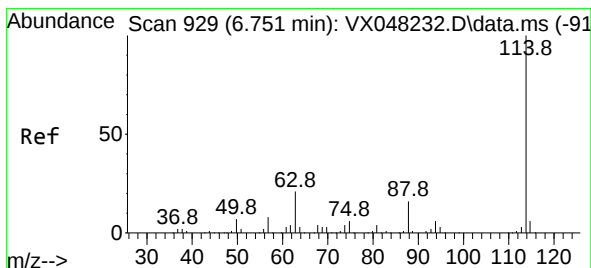
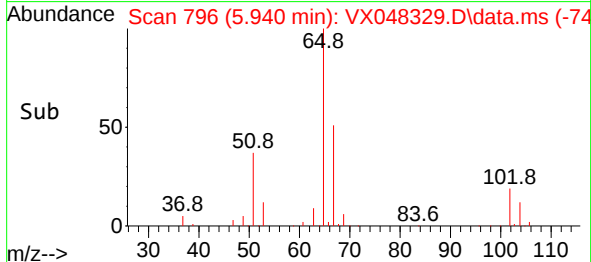
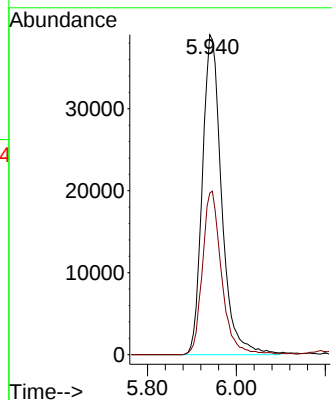
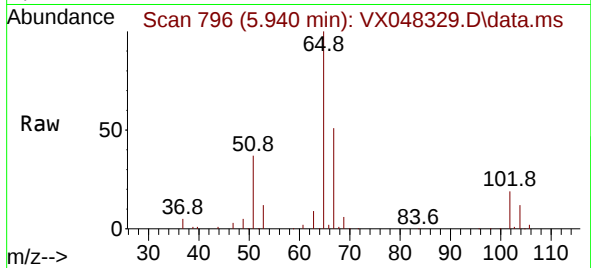




#33
 1,2-Dichloroethane-d4
 Concen: 57.030 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048329.D
 Acq: 23 Oct 2025 16:28

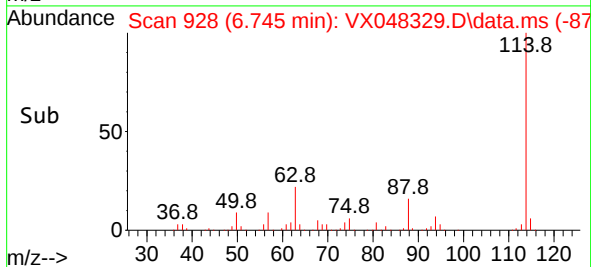
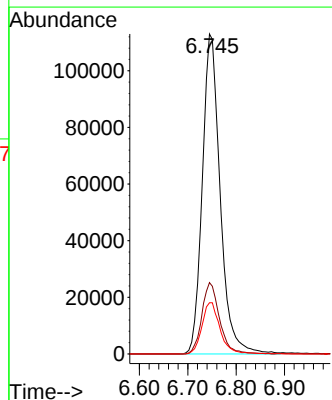
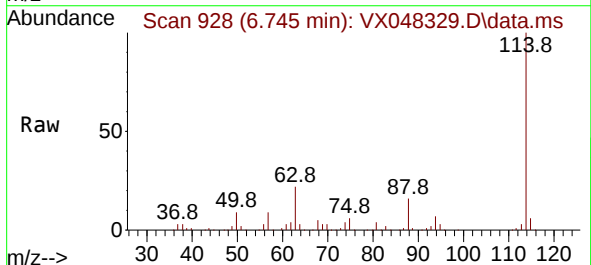
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12

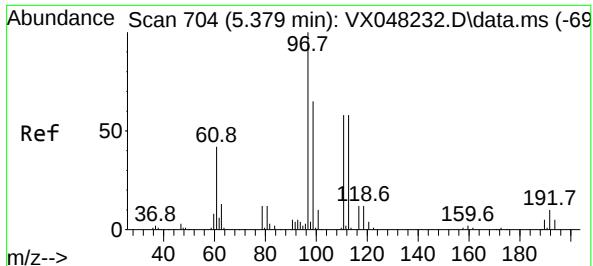
Tgt Ion: 65 Resp: 118198
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048329.D
 Acq: 23 Oct 2025 16:28

Tgt Ion: 114 Resp: 290262
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 16.0 0.0 33.6

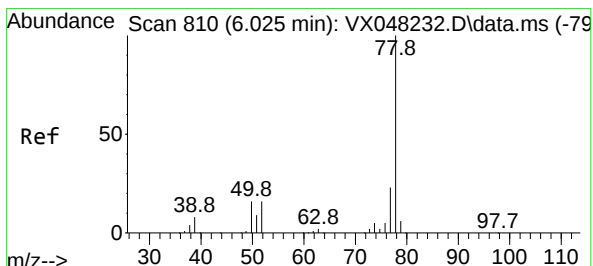
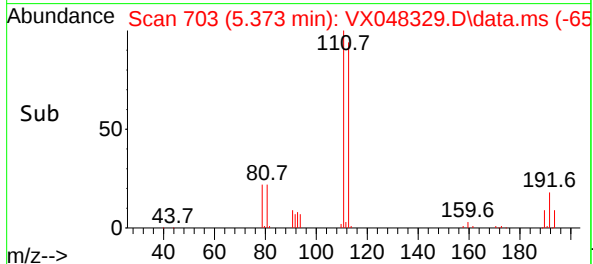
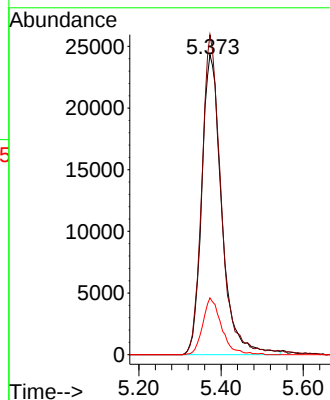
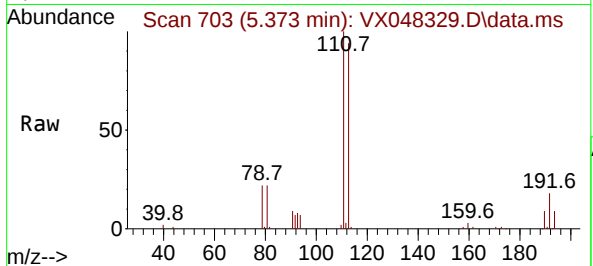




#35
Dibromofluoromethane
Concen: 41.321 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

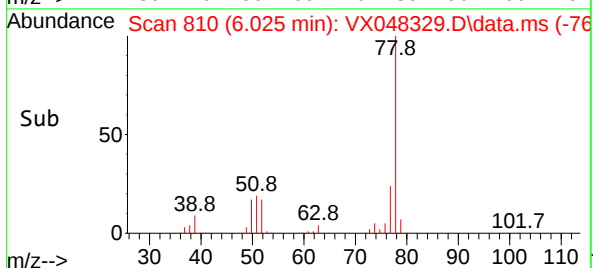
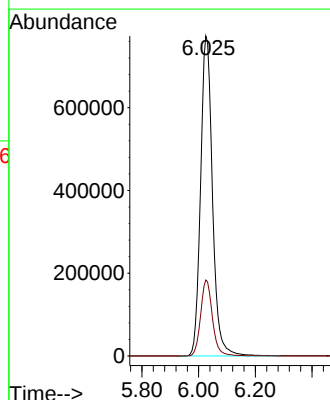
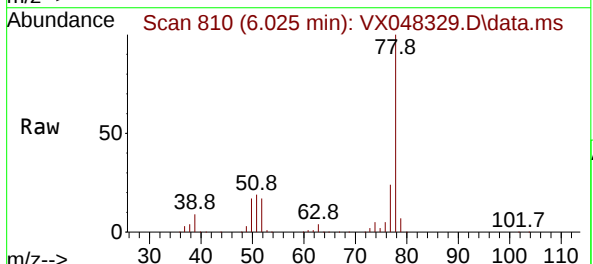
Instrument :
MSVOA_X
ClientSampleId :
SB-12

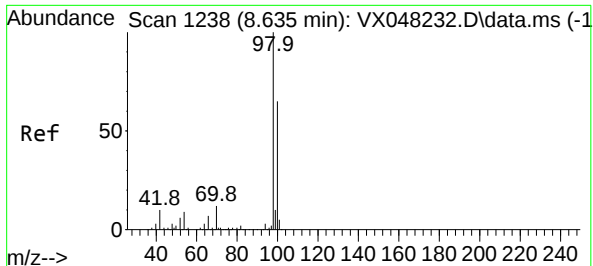
Tgt Ion:113 Resp: 81882
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 17.9 15.1 22.7



#40
Benzene
Concen: 275.537 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

Tgt Ion: 78 Resp: 2253128
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9

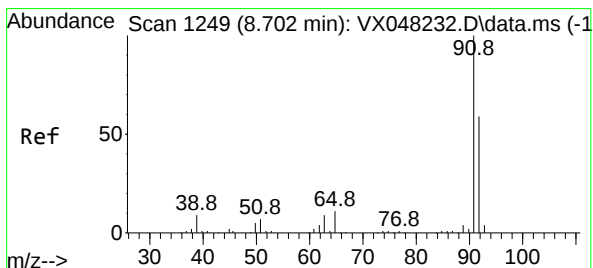
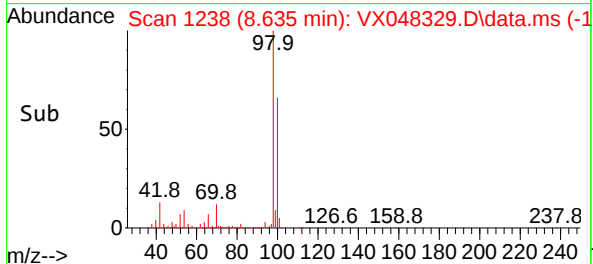
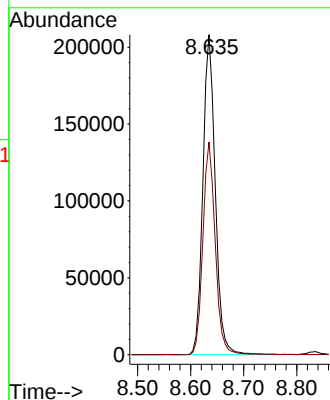
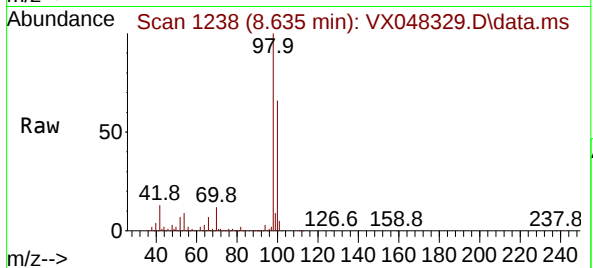




#50
Toluene-d8
Concen: 48.593 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

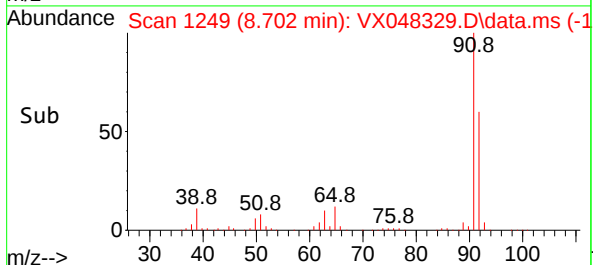
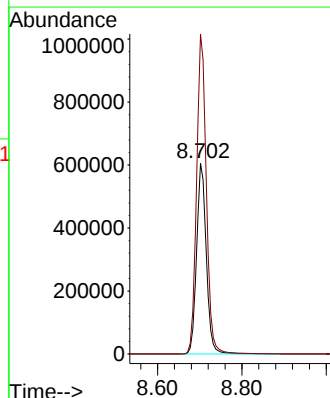
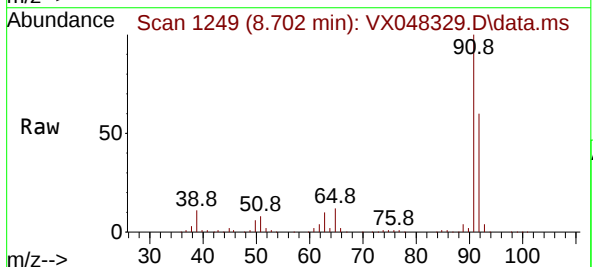
Instrument :
MSVOA_X
ClientSampleId :
SB-12

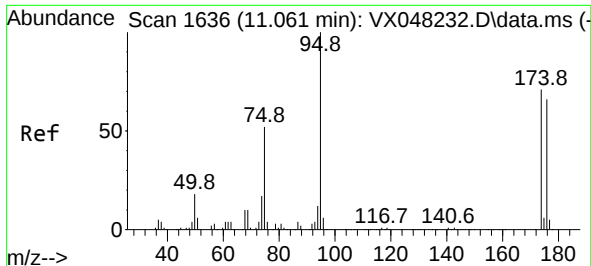
Tgt Ion: 98 Resp: 337513
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#52
Toluene
Concen: 185.944 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

Tgt Ion: 92 Resp: 965954
Ion Ratio Lower Upper
92 100
91 169.4 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 55.524 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048329.D

Acq: 23 Oct 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

SB-12

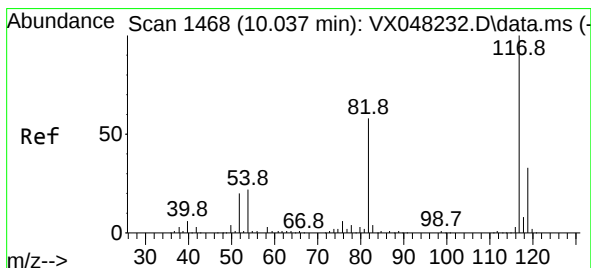
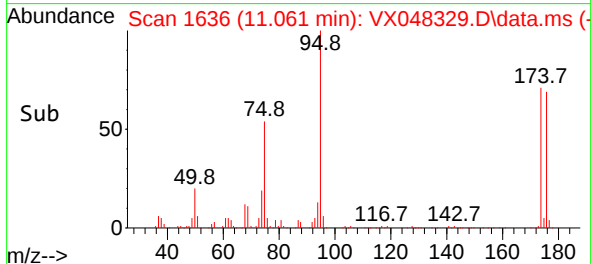
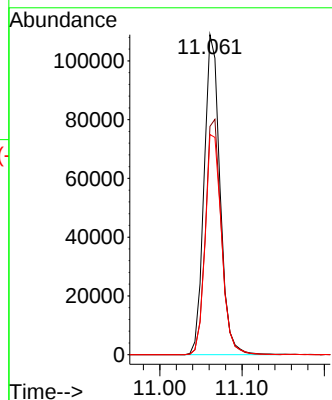
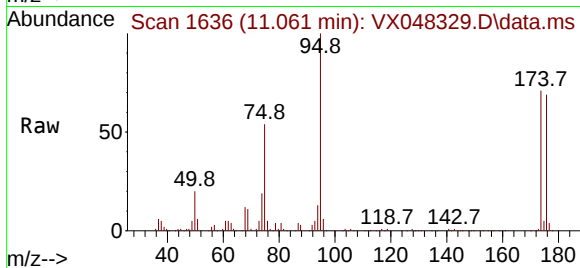
Tgt Ion: 95 Resp: 146715

Ion Ratio Lower Upper

95 100

174 73.7 0.0 147.8

176 70.9 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: VX048329.D

Acq: 23 Oct 2025 16:28

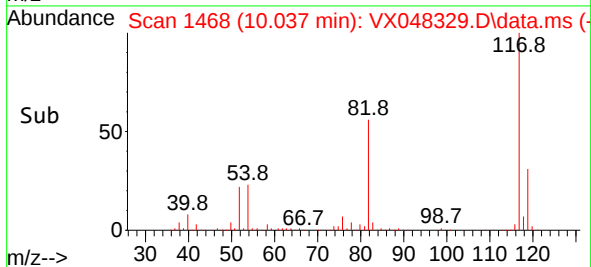
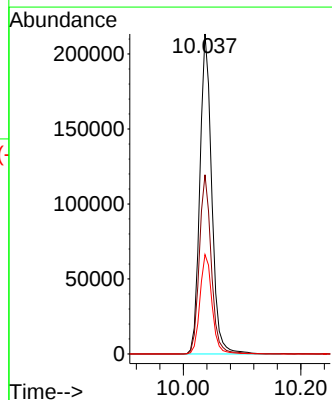
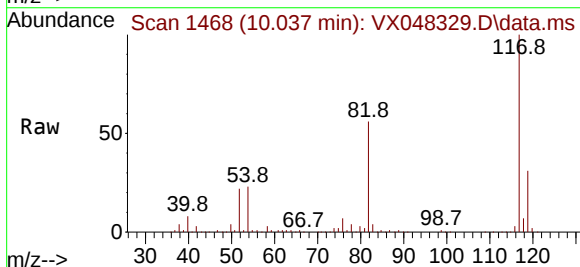
Tgt Ion: 117 Resp: 299097

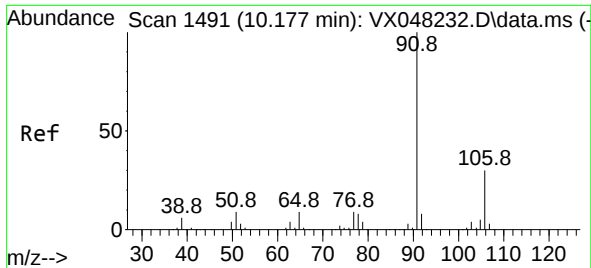
Ion Ratio Lower Upper

117 100

82 56.0 46.5 69.7

119 31.0 25.9 38.9





#67

Ethyl Benzene

Concen: 11.660 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048329.D

Acq: 23 Oct 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

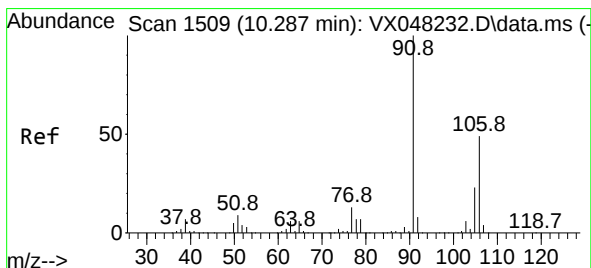
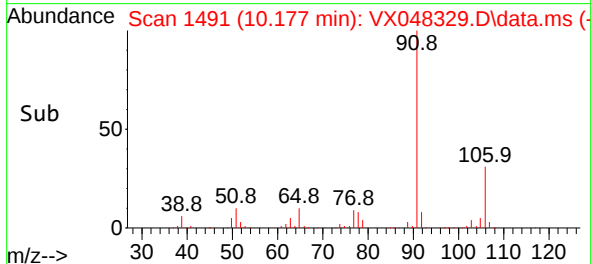
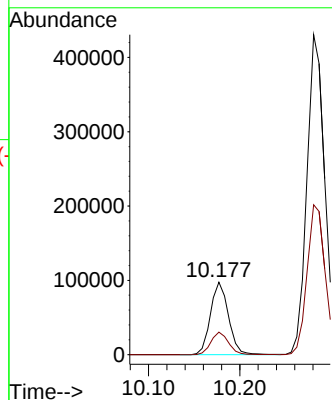
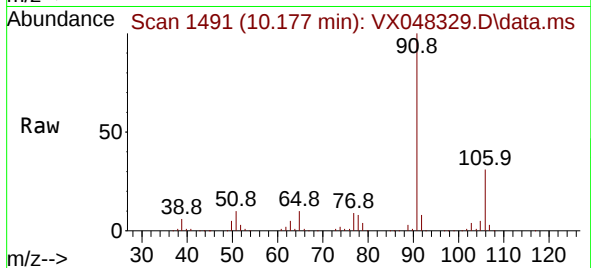
SB-12

Tgt Ion: 91 Resp: 133575

Ion Ratio Lower Upper

91 100

106 31.2 23.8 35.6



#68

m/p-Xylenes

Concen: 66.183 ug/l

RT: 10.281 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048329.D

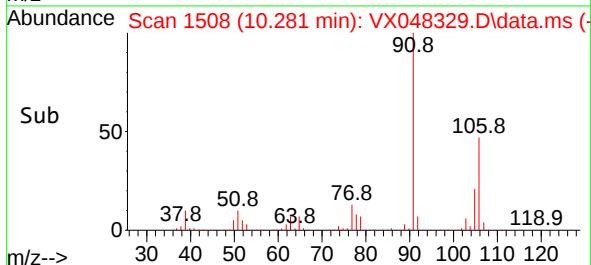
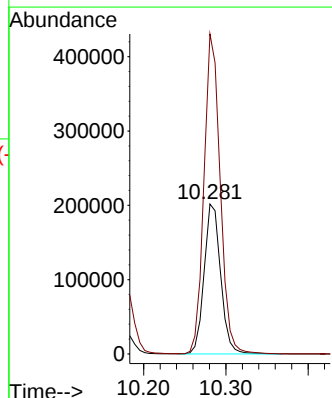
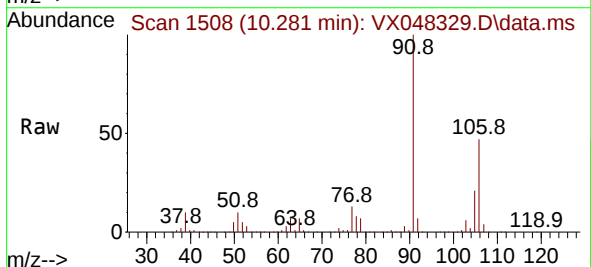
Acq: 23 Oct 2025 16:28

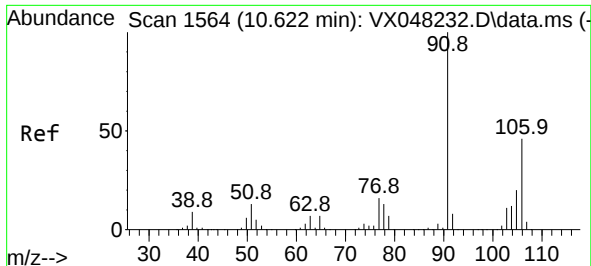
Tgt Ion:106 Resp: 281686

Ion Ratio Lower Upper

106 100

91 210.1 167.9 251.9

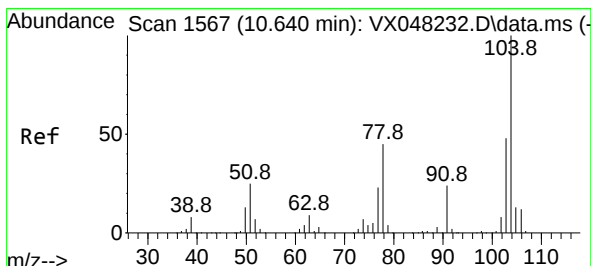
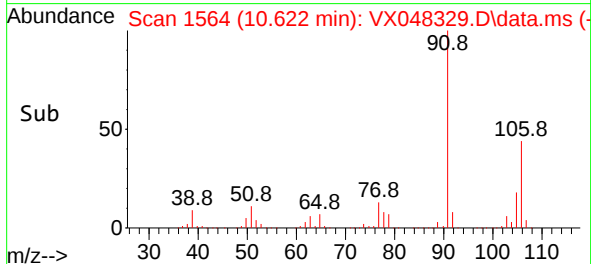
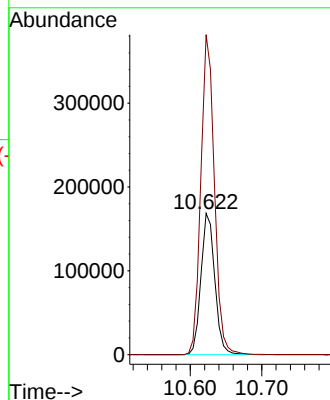
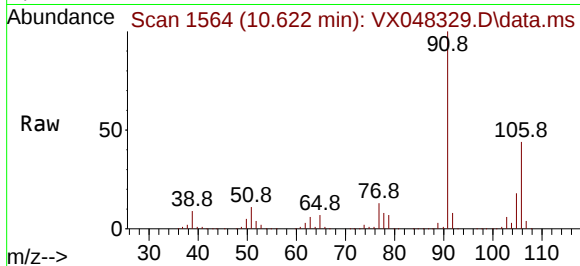




#69
o-Xylene
Concen: 55.185 ug/l
RT: 10.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

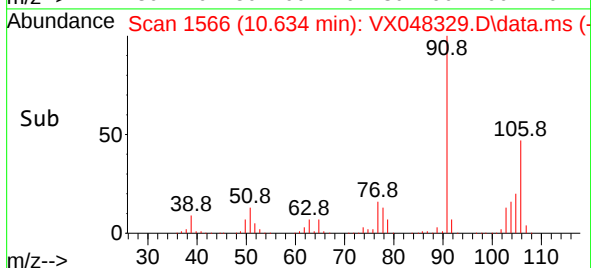
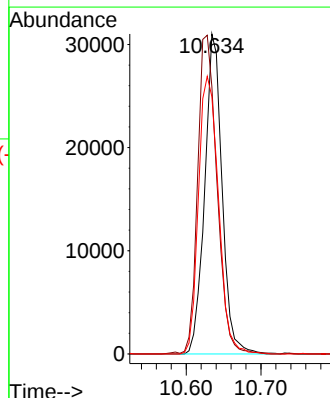
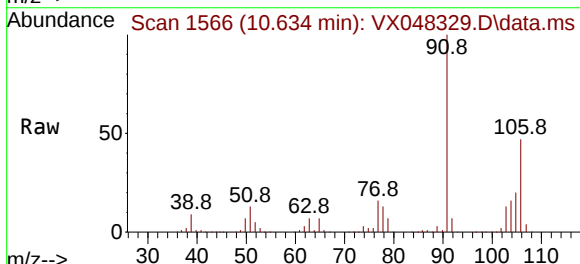
Instrument :
MSVOA_X
ClientSampleId :
SB-12

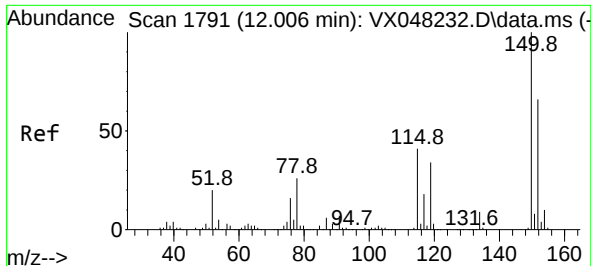
Tgt Ion:106 Resp: 226759
Ion Ratio Lower Upper
106 100
91 221.8 111.3 333.9



#70
Styrene
Concen: 7.184 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

Tgt Ion:104 Resp: 50262
Ion Ratio Lower Upper
104 100
78 109.9 42.2 63.4#
103 99.4 43.0 64.4#

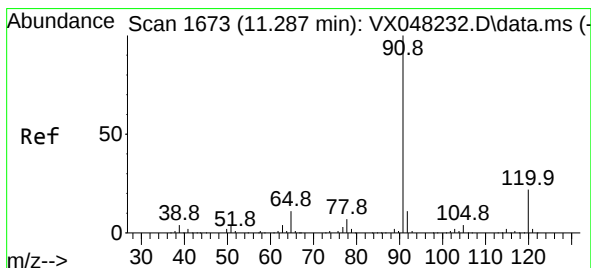
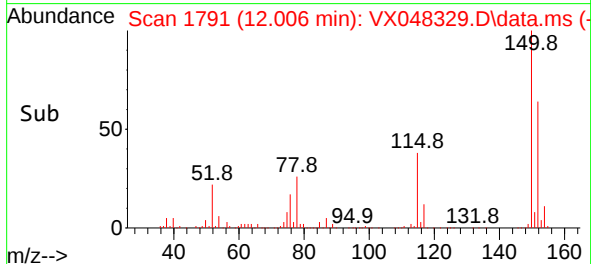
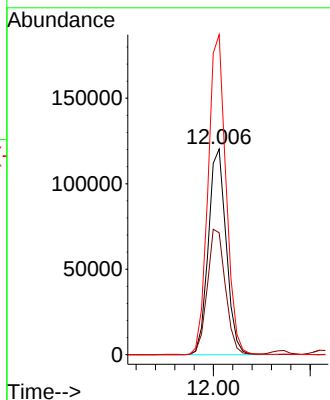
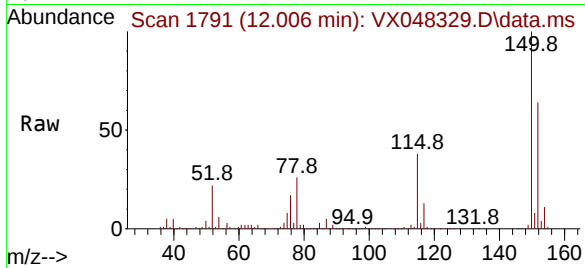




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

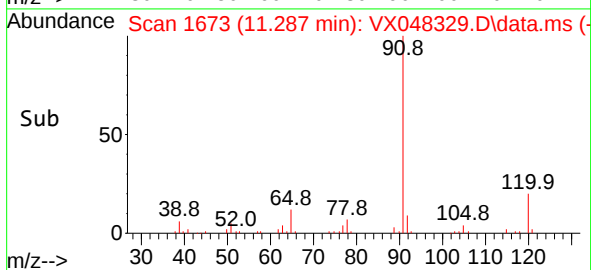
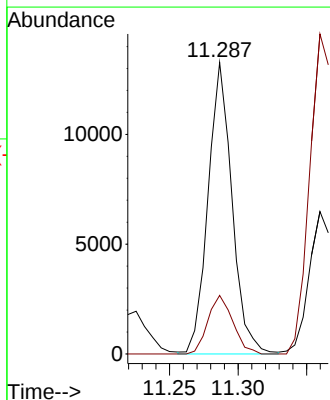
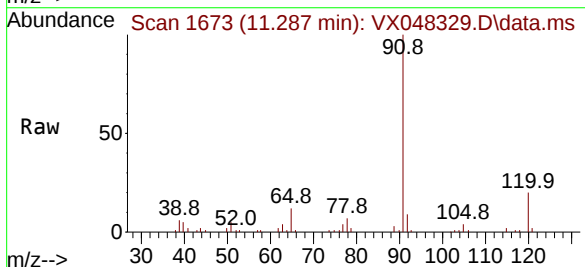
Instrument :
MSVOA_X
ClientSampleId :
SB-12

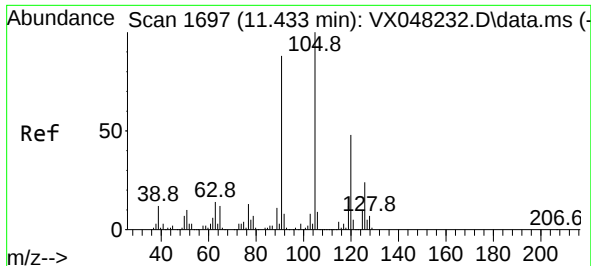
Tgt Ion:152 Resp: 154429
Ion Ratio Lower Upper
152 100
115 61.9 43.1 129.4
150 156.2 0.0 353.0



#78
n-propylbenzene
Concen: 1.237 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

Tgt Ion: 91 Resp: 16159
Ion Ratio Lower Upper
91 100
120 20.9 11.1 33.1

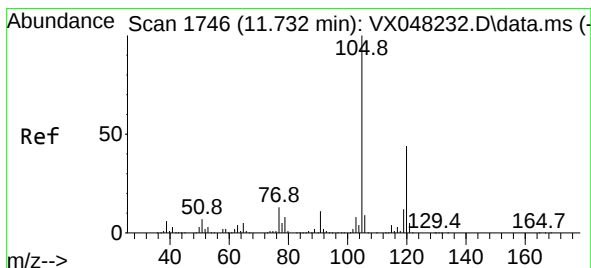
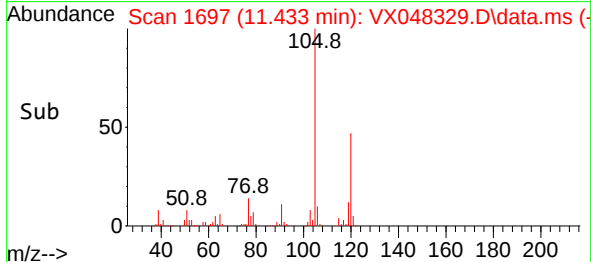
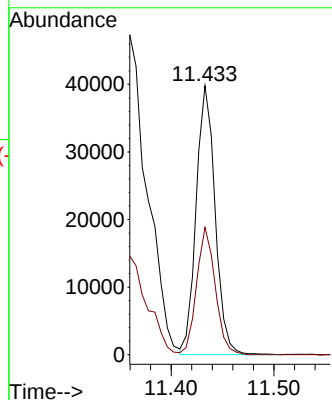
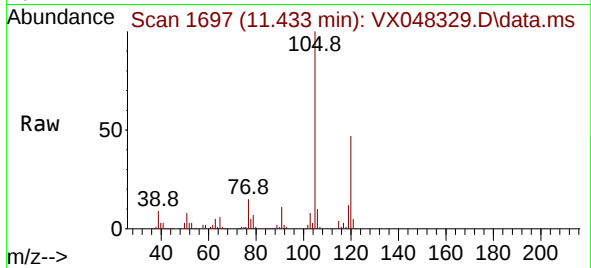




#80
1,3,5-Trimethylbenzene
Concen: 5.484 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

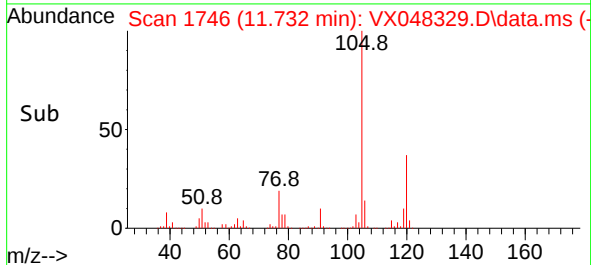
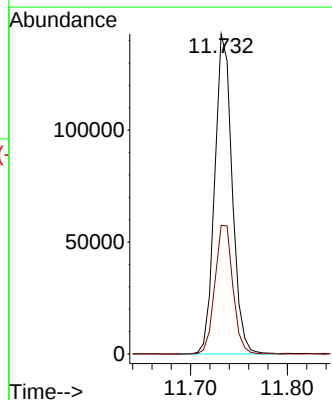
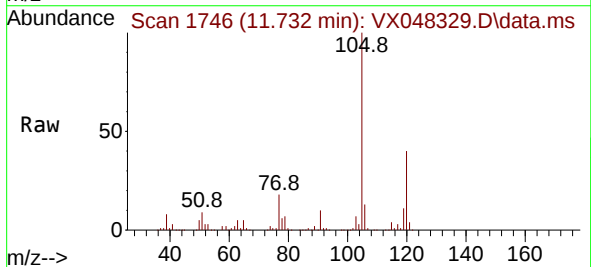
Instrument :
MSVOA_X
ClientSampleId :
SB-12

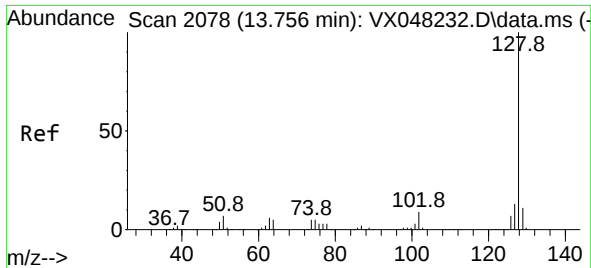
Tgt Ion:105 Resp: 51188
Ion Ratio Lower Upper
105 100
120 46.4 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 19.221 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048329.D
Acq: 23 Oct 2025 16:28

Tgt Ion:105 Resp: 179052
Ion Ratio Lower Upper
105 100
120 41.5 22.1 66.5





#95

Naphthalene

Concen: 78.092 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048329.D

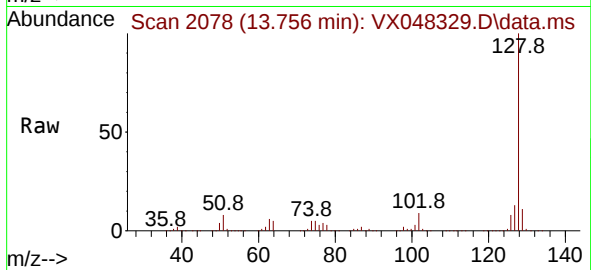
Acq: 23 Oct 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

SB-12



Tgt Ion:128 Resp: 700394

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.9 8.6 12.8

