

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048325.D
 Acq On : 23 Oct 2025 15:06
 Operator : JC/MD
 Sample : Q3414-08 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-8

Quant Time: Oct 24 05:46:31 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	139853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	281333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	287161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149554	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111203	56.712	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.420%
35) Dibromofluoromethane	5.379	113	77453	40.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	80.660%
50) Toluene-d8	8.634	98	321532	47.761	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.520%
62) 4-Bromofluorobenzene	11.061	95	143205	55.916	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.840%

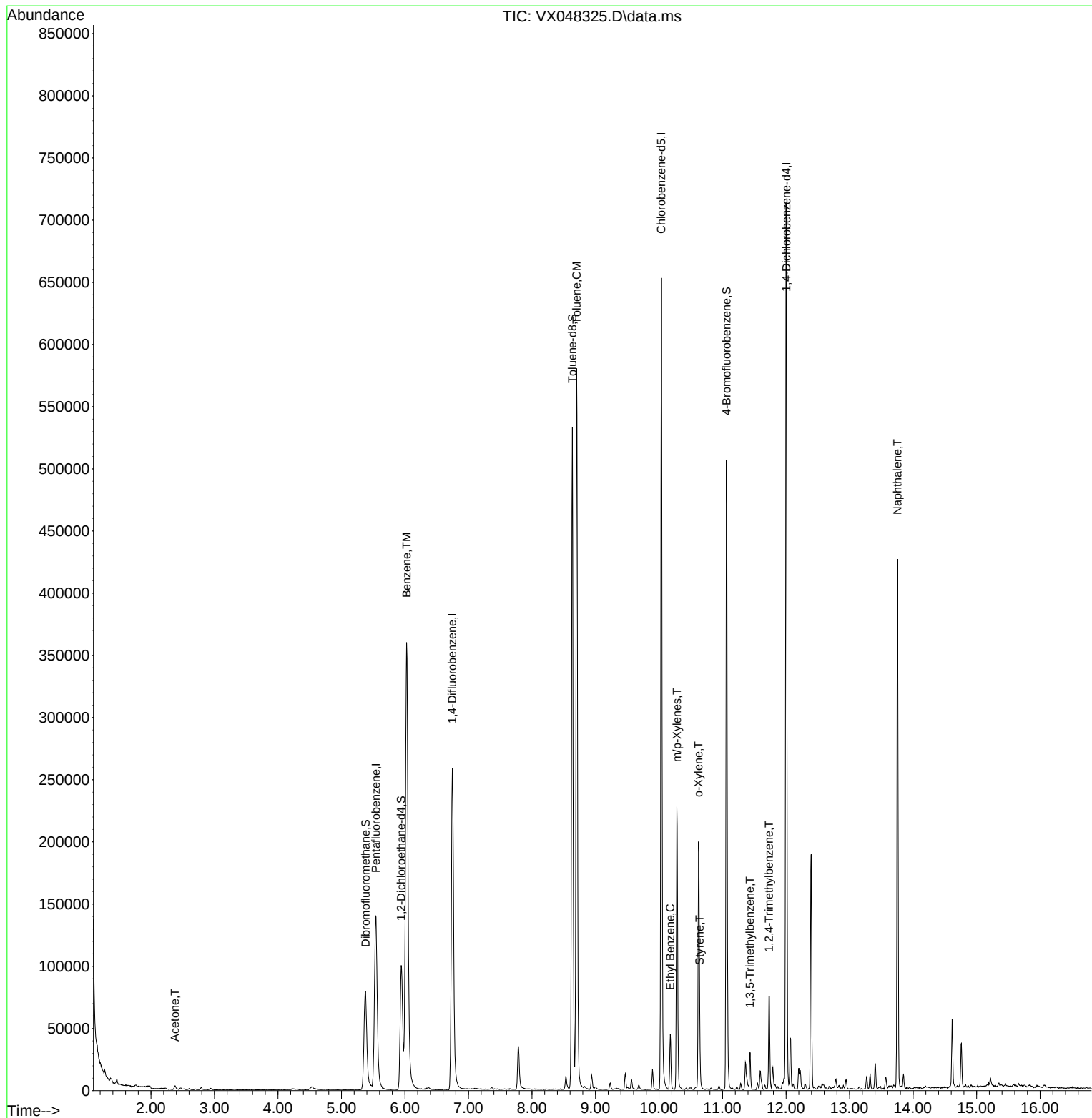
Target Compounds					Qvalue	
16) Acetone	2.379	43	4643	6.902	ug/l	# 89
40) Benzene	6.025	78	461201	58.191	ug/l	98
52) Toluene	8.701	92	225923	44.870	ug/l	99
67) Ethyl Benzene	10.177	91	26415	2.402	ug/l	97
68) m/p-Xylenes	10.280	106	53035	12.979	ug/l	100
69) o-Xylene	10.622	106	43061	10.915	ug/l	97
70) Styrene	10.640	104	11274	1.678	ug/l	# 41
80) 1,3,5-Trimethylbenzene	11.433	105	12335	1.365	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	33229	3.683	ug/l	94
95) Naphthalene	13.755	128	245937	28.315	ug/l	100

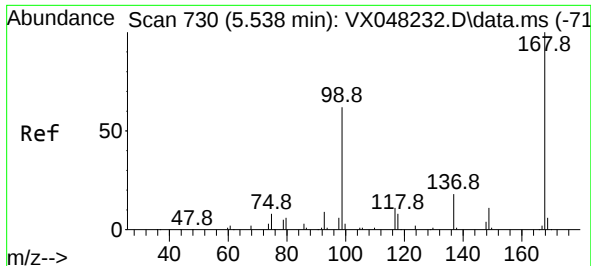
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

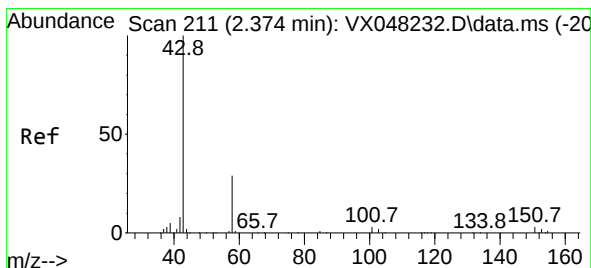
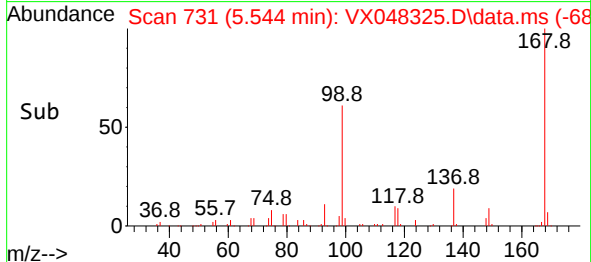
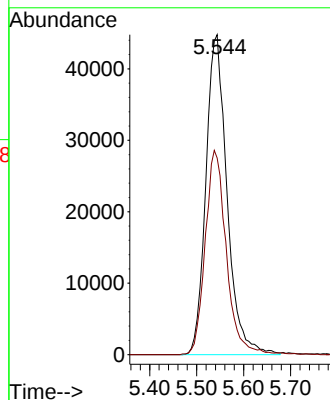
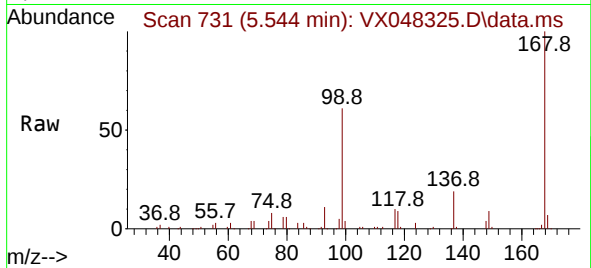




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

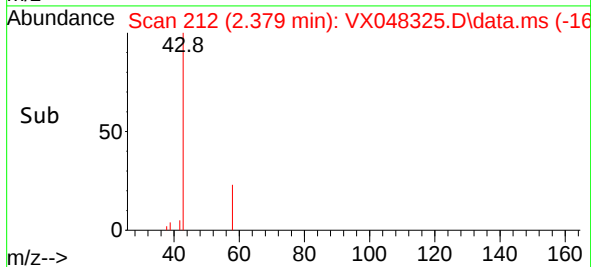
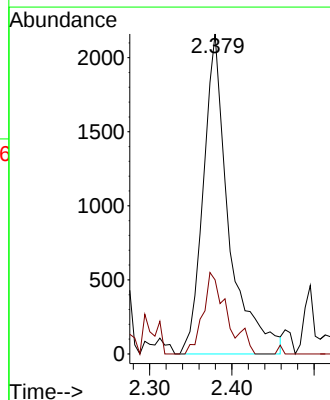
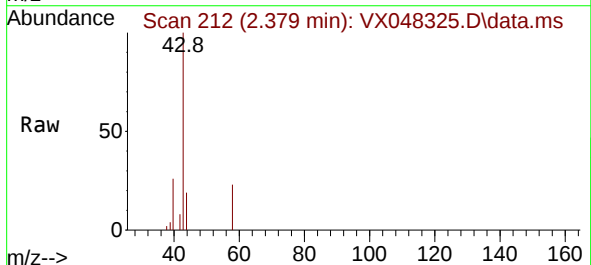
Instrument :
MSVOA_X
ClientSampleId :
SB-8

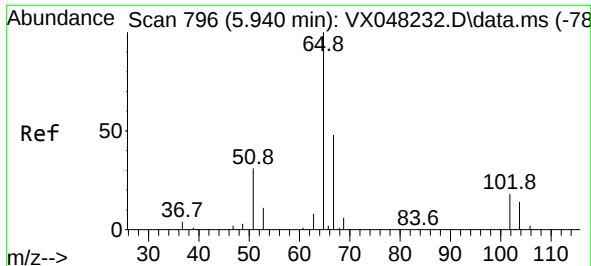
Tgt Ion:168 Resp: 139853
Ion Ratio Lower Upper
168 100
99 61.5 46.4 69.6



#16
Acetone
Concen: 6.902 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

Tgt Ion: 43 Resp: 4643
Ion Ratio Lower Upper
43 100
58 23.1 23.4 35.2#

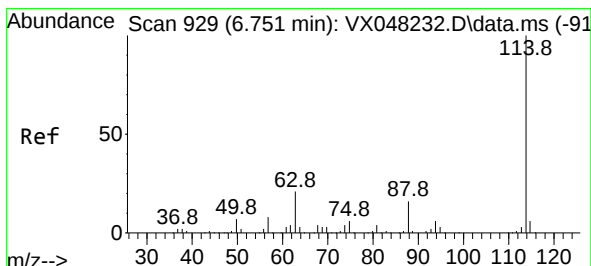
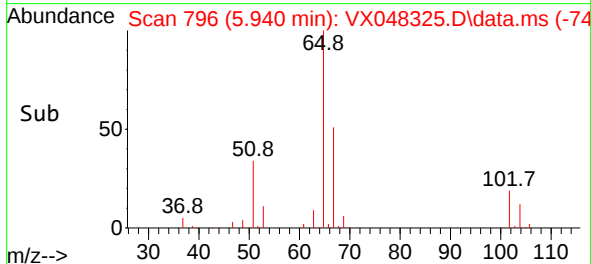
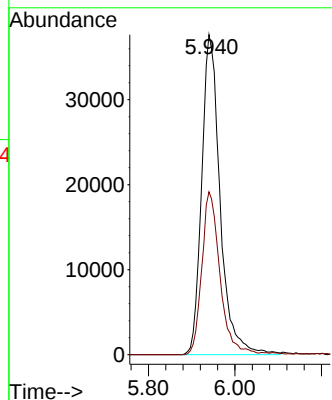
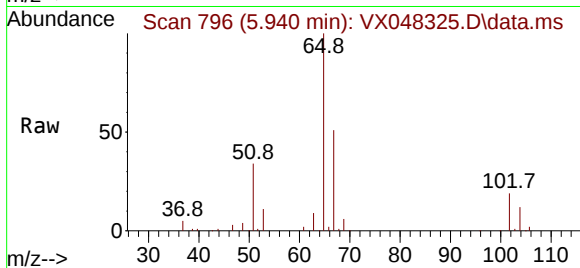




#33
 1,2-Dichloroethane-d4
 Concen: 56.712 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048325.D
 Acq: 23 Oct 2025 15:06

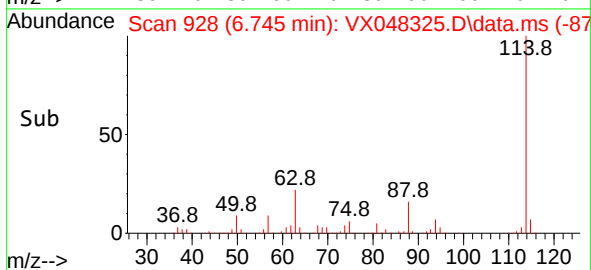
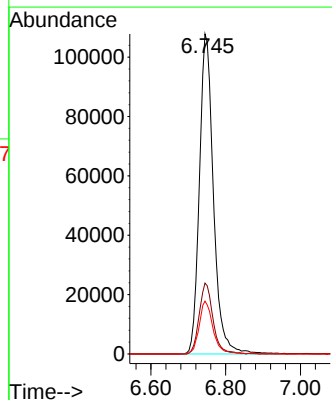
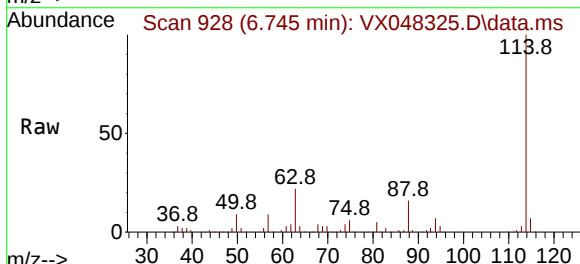
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-8

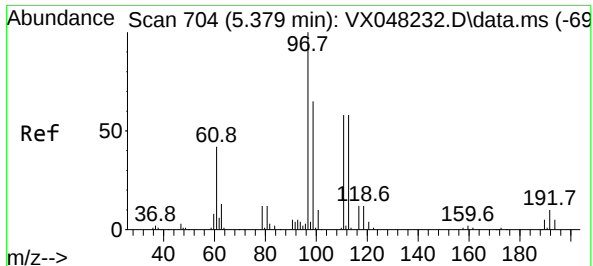
Tgt Ion: 65 Resp: 111203
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048325.D
 Acq: 23 Oct 2025 15:06

Tgt Ion: 114 Resp: 281333
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.5 0.0 33.6

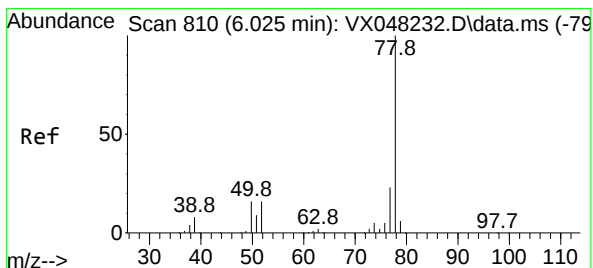
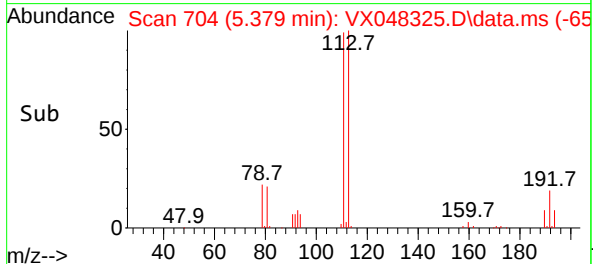
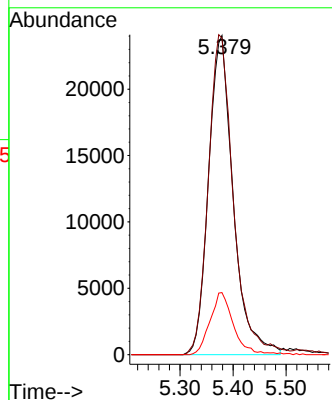
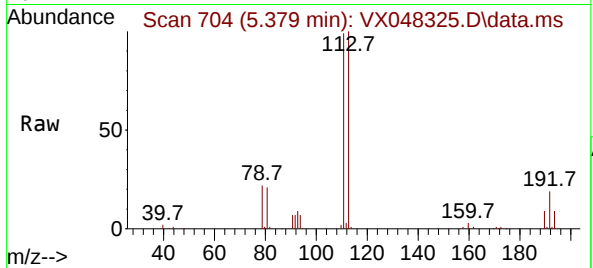




#35
Dibromofluoromethane
Concen: 40.327 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

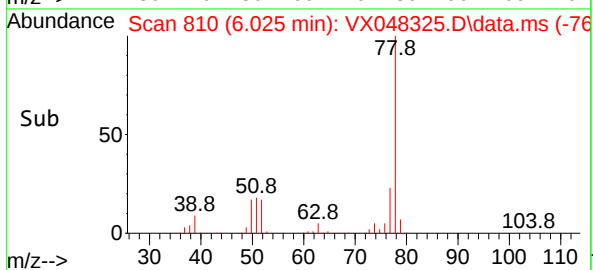
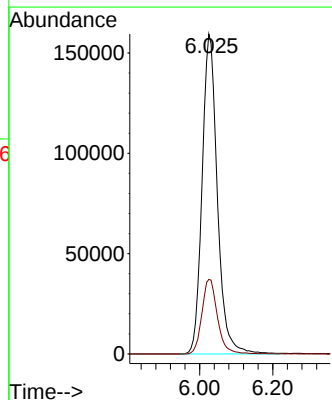
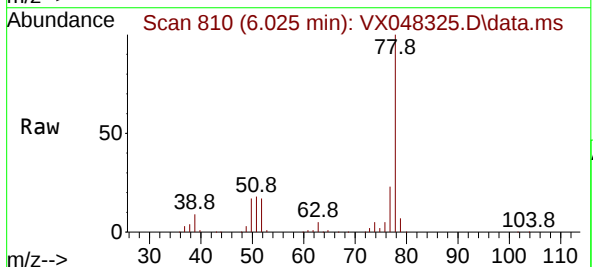
Instrument :
MSVOA_X
ClientSampleId :
SB-8

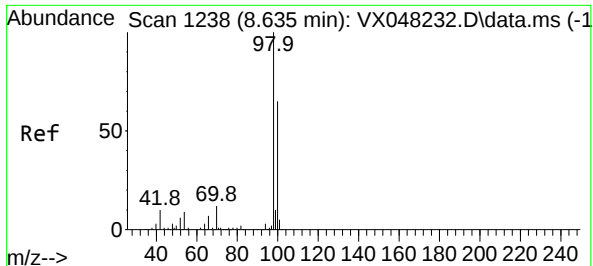
Tgt Ion:113 Resp: 77453
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 18.7 15.1 22.7



#40
Benzene
Concen: 58.191 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

Tgt Ion: 78 Resp: 461201
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

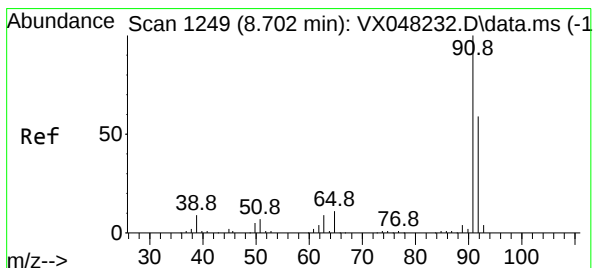
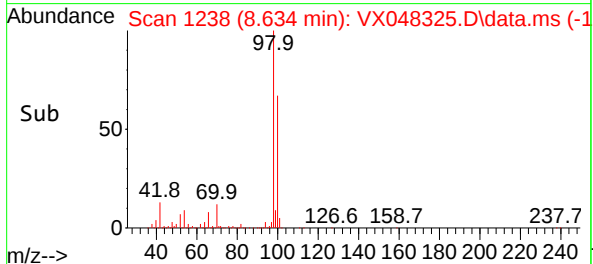
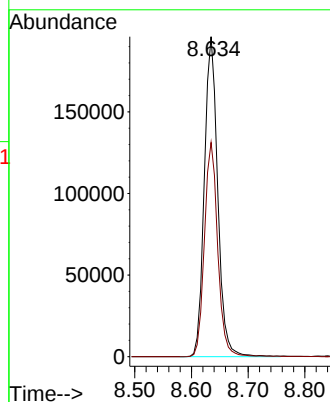
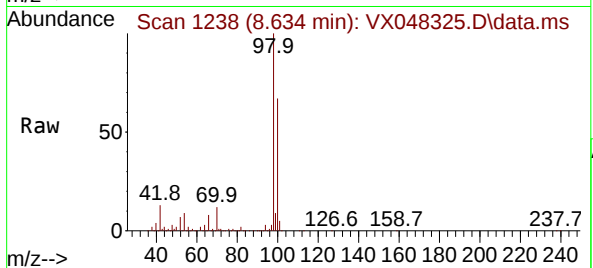




#50
Toluene-d8
Concen: 47.761 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

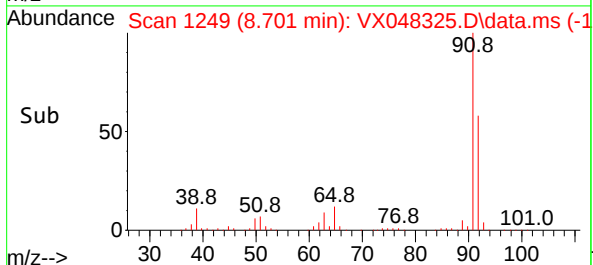
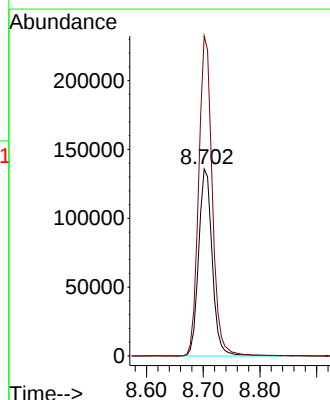
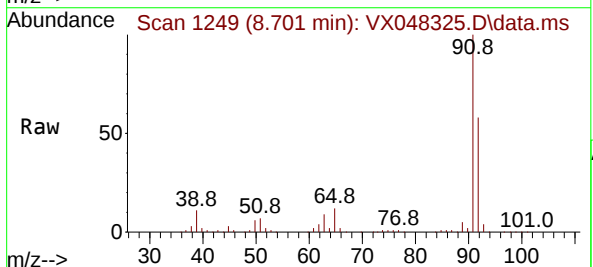
Instrument :
MSVOA_X
ClientSampleId :
SB-8

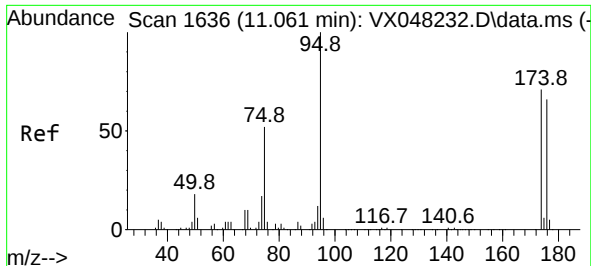
Tgt Ion: 98 Resp: 321532
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#52
Toluene
Concen: 44.870 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

Tgt Ion: 92 Resp: 225923
Ion Ratio Lower Upper
92 100
91 171.2 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 55.916 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048325.D

Acq: 23 Oct 2025 15:06

Instrument :

MSVOA_X

ClientSampleId :

SB-8

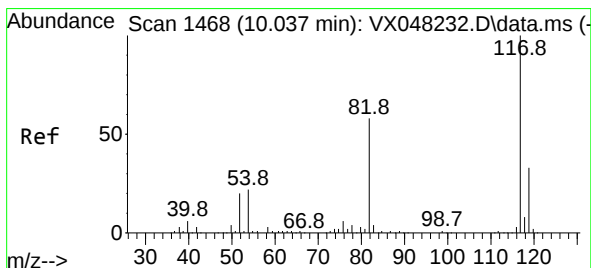
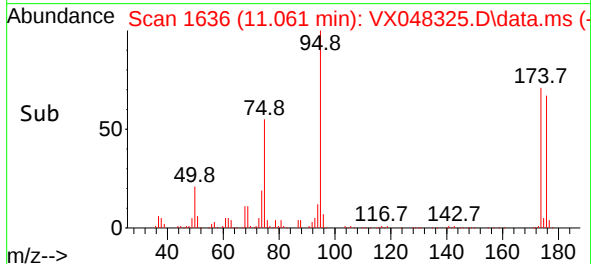
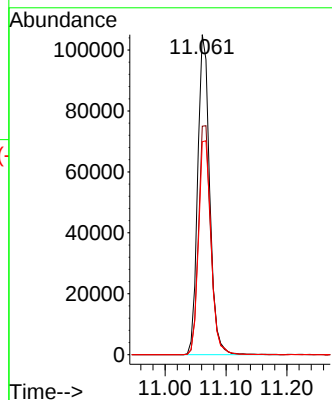
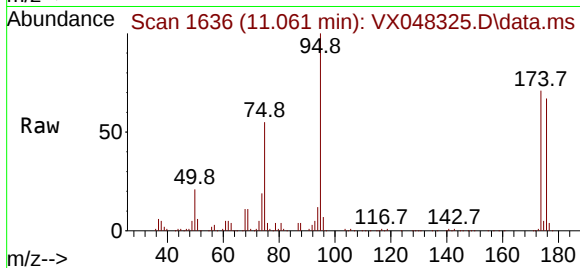
Tgt Ion: 95 Resp: 143205

Ion Ratio Lower Upper

95 100

174 73.1 0.0 147.8

176 70.2 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: VX048325.D

Acq: 23 Oct 2025 15:06

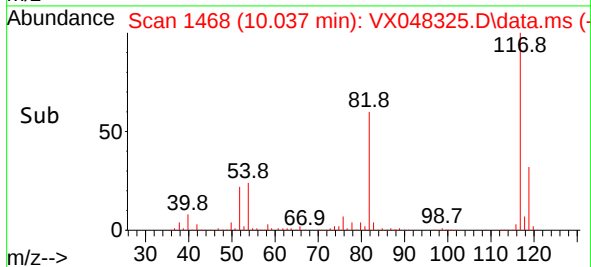
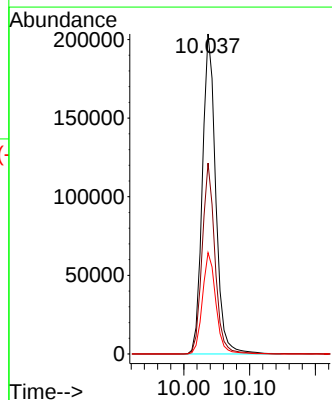
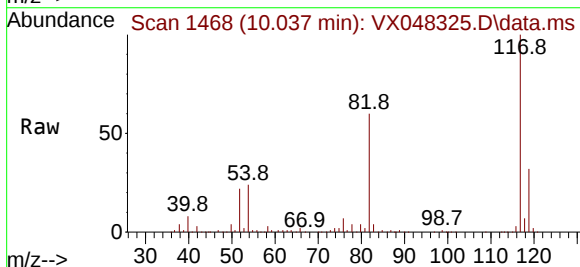
Tgt Ion: 117 Resp: 287161

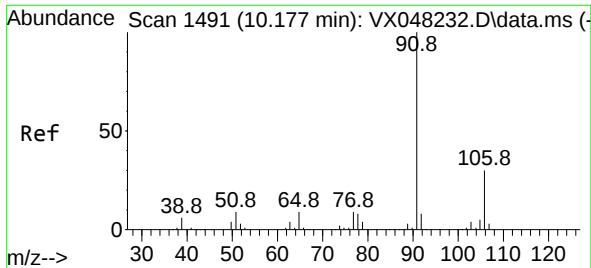
Ion Ratio Lower Upper

117 100

82 59.7 46.5 69.7

119 31.6 25.9 38.9

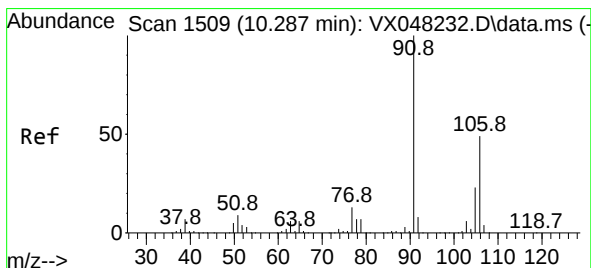
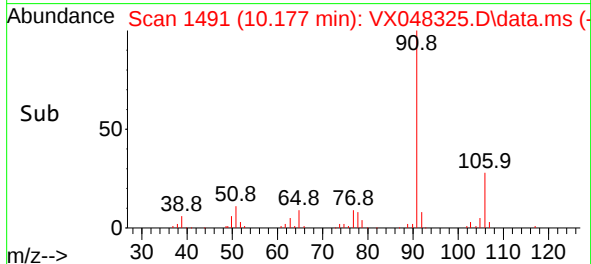
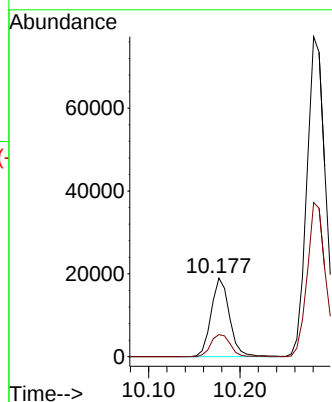
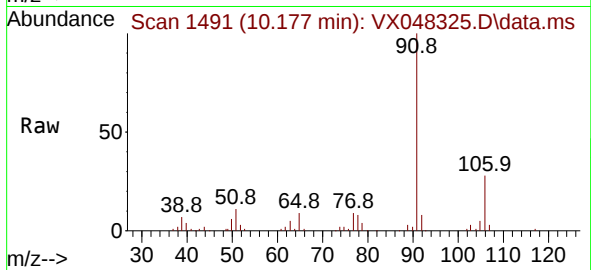




#67
Ethyl Benzene
Concen: 2.402 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

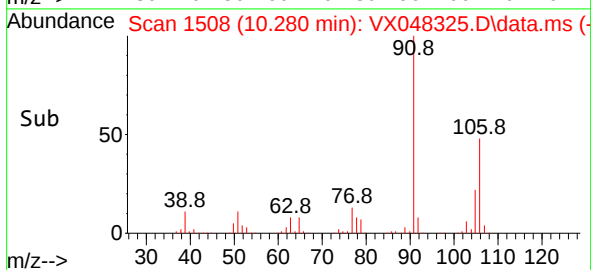
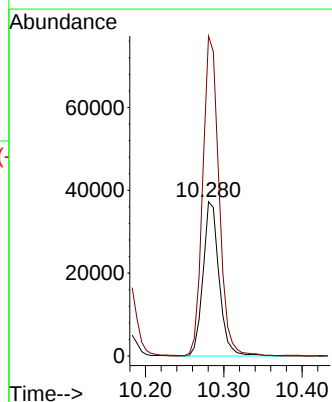
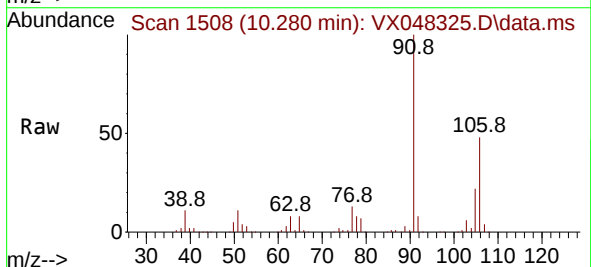
Instrument :
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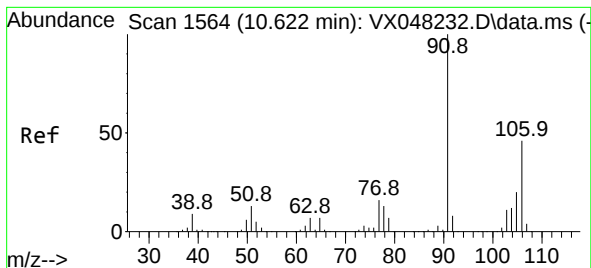
Tgt Ion: 91 Resp: 26415
Ion Ratio Lower Upper
91 100
106 28.0 23.8 35.6



#68
m/p-Xylenes
Concen: 12.979 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

Tgt Ion:106 Resp: 53035
Ion Ratio Lower Upper
106 100
91 209.3 167.9 251.9





#69

o-Xylene

Concen: 10.915 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. -0.000 min

Lab File: VX048325.D

Acq: 23 Oct 2025 15:06

Instrument :

MSVOA_X

ClientSampleId :

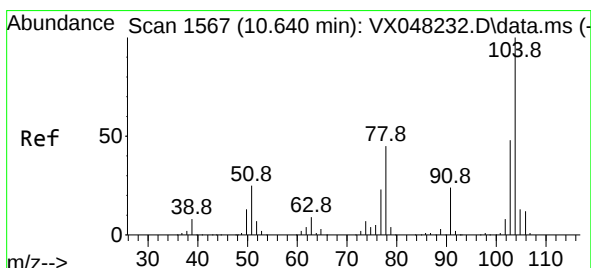
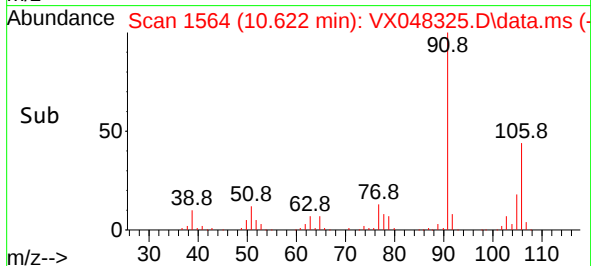
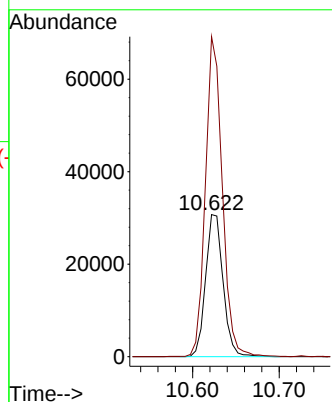
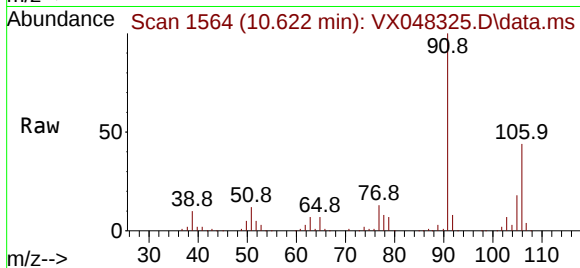
SB-8

Tgt Ion:106 Resp: 43061

Ion Ratio Lower Upper

106 100

91 217.8 111.3 333.9



#70

Styrene

Concen: 1.678 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX048325.D

Acq: 23 Oct 2025 15:06

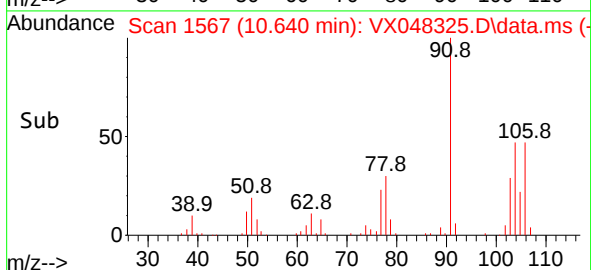
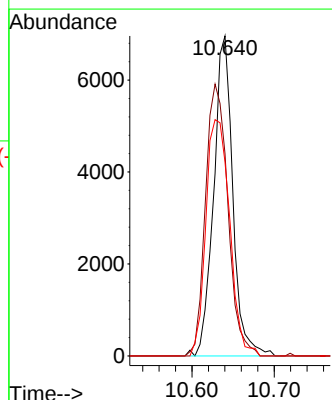
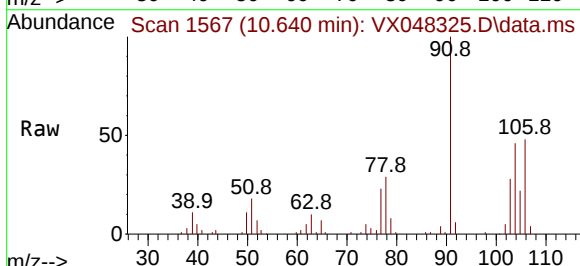
Tgt Ion:104 Resp: 11274

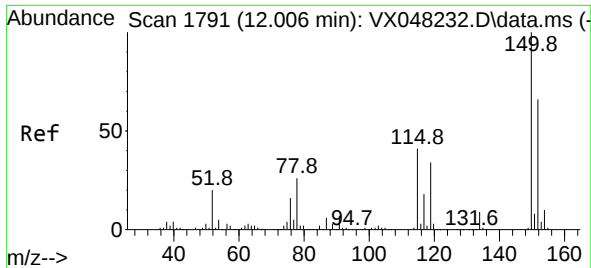
Ion Ratio Lower Upper

104 100

78 99.4 42.2 63.4#

103 91.6 43.0 64.4#

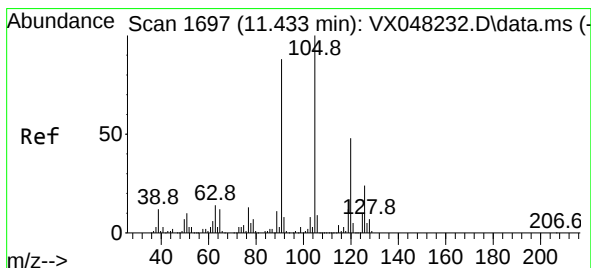
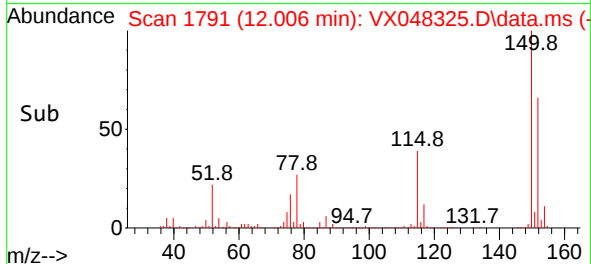
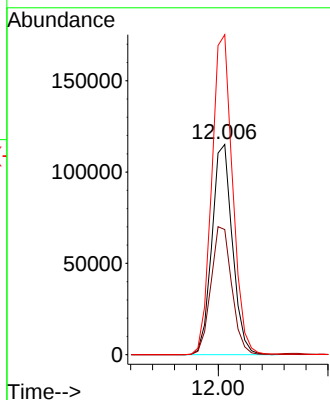
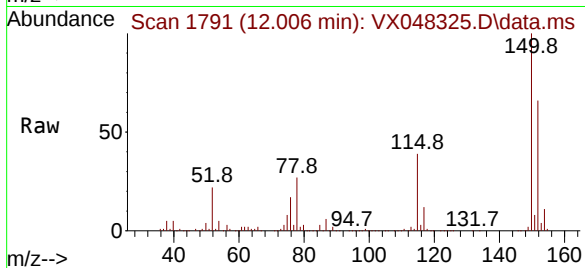




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX048325.D
 Acq: 23 Oct 2025 15:06

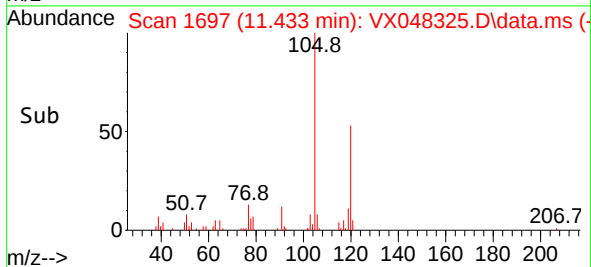
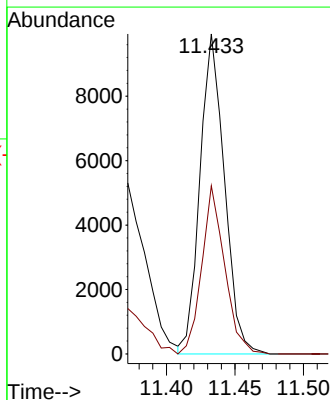
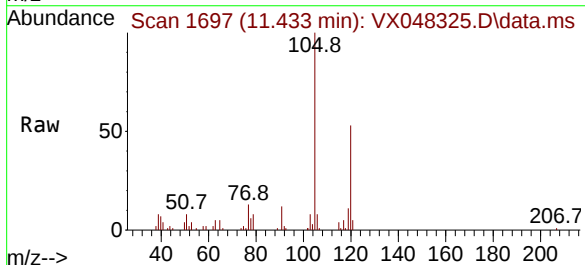
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-8

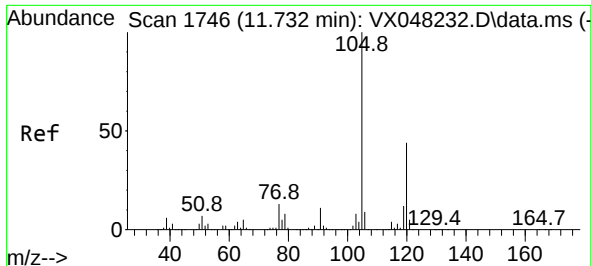
Tgt Ion:152 Resp: 149554
 Ion Ratio Lower Upper
 152 100
 115 61.9 43.1 129.4
 150 155.4 0.0 353.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.365 ug/l
 RT: 11.433 min Scan# 1697
 Delta R.T. -0.000 min
 Lab File: VX048325.D
 Acq: 23 Oct 2025 15:06

Tgt Ion:105 Resp: 12335
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.0 72.0

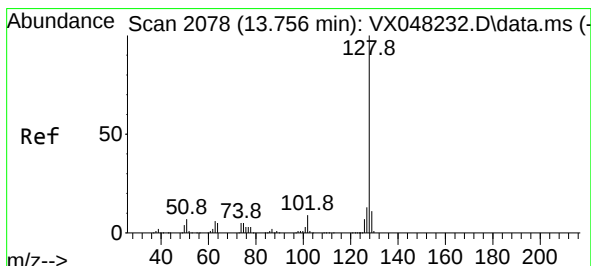
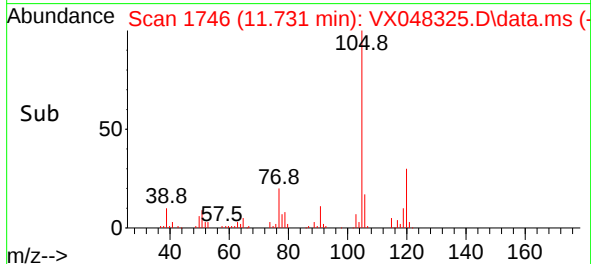
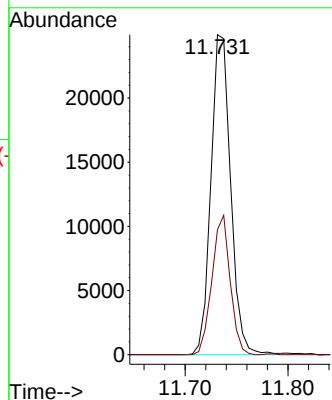
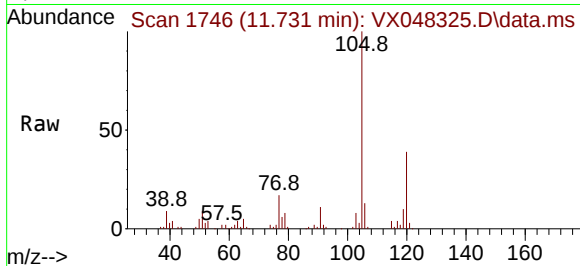




#84
1,2,4-Trimethylbenzene
Concen: 3.683 ug/l
RT: 11.731 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

Instrument :
MSVOA_X
ClientSampleId :
SB-8

Tgt Ion:105 Resp: 33229
Ion Ratio Lower Upper
105 100
120 40.1 22.1 66.5



#95
Naphthalene
Concen: 28.315 ug/l
RT: 13.755 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048325.D
Acq: 23 Oct 2025 15:06

Tgt Ion:128 Resp: 245937
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.7 8.6 12.8

