

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047645.D
 Acq On : 18 Sep 2025 16:45
 Operator : JC/MD
 Sample : Q3095-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178S-20250910

Quant Time: Sep 19 01:33:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

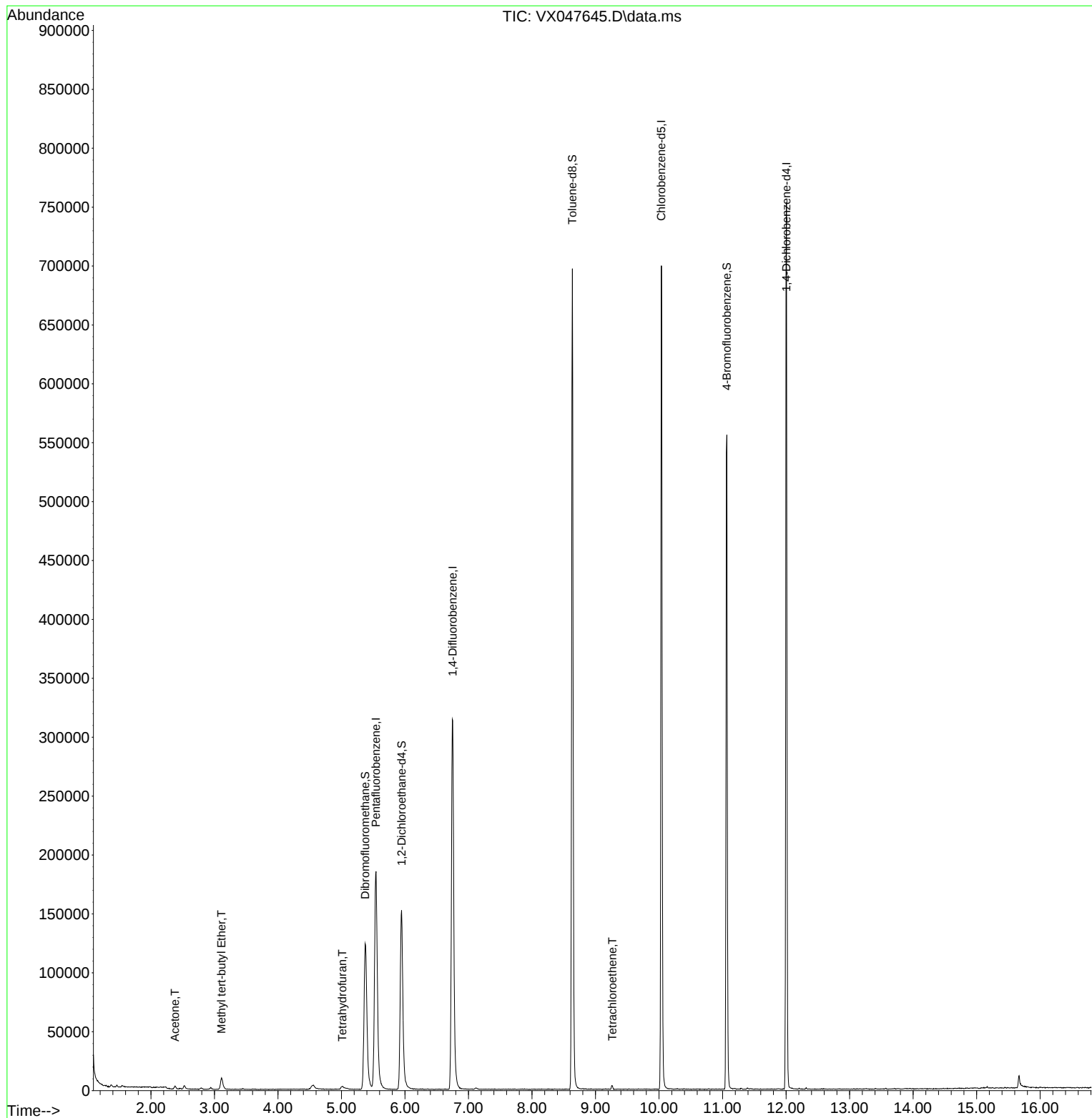
Internal Standards						
1) Pentafluorobenzene	5.544	168	186001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	348431	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	318544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	165011	55.734	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.460%
35) Dibromofluoromethane	5.373	113	120040	51.370	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.740%
50) Toluene-d8	8.635	98	421961	52.186	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.380%
62) 4-Bromofluorobenzene	11.067	95	164626	53.647	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.300%
Target Compounds						
						Qvalue
16) Acetone	2.380	43	3198	2.484	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	11733	1.454	ug/l #	85
29) Tetrahydrofuran	5.013	42	2826	2.926	ug/l #	81
64) Tetrachloroethene	9.263	164	537	0.259	ug/l #	75

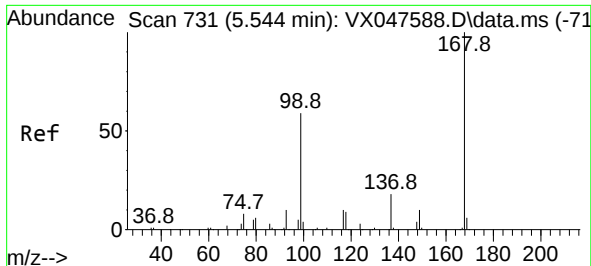
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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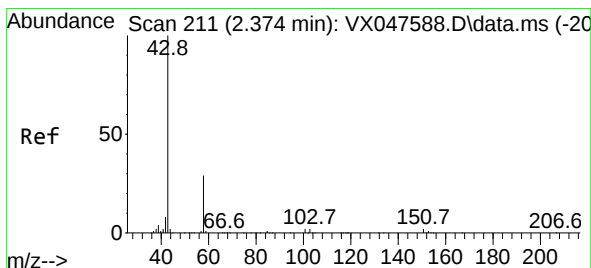
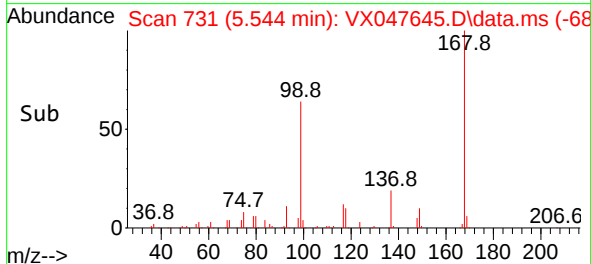
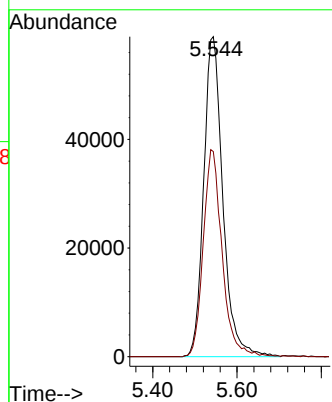
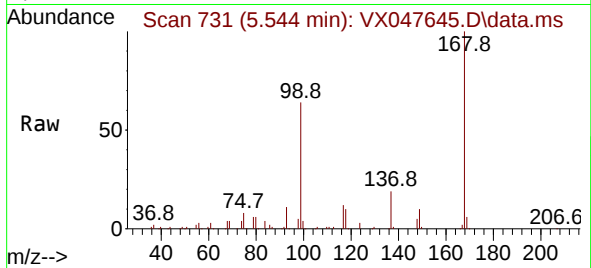




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

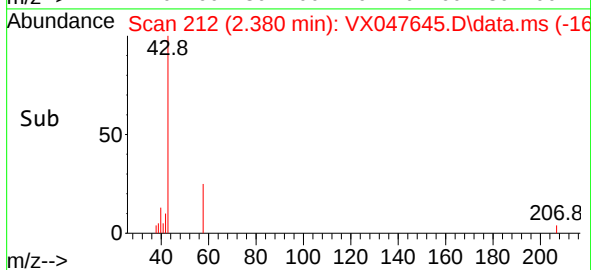
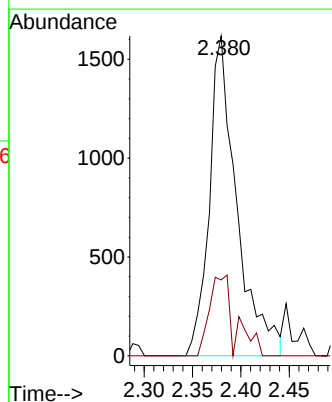
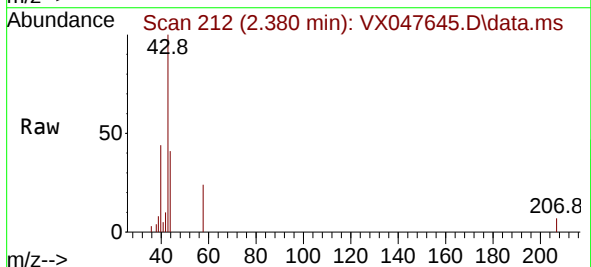
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

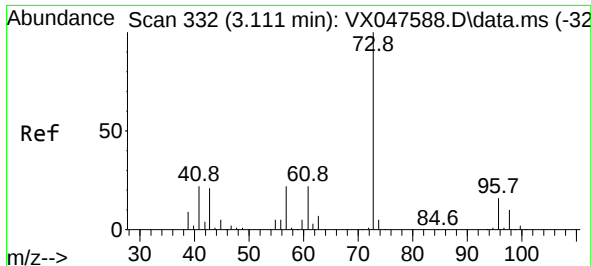
Tgt Ion:168 Resp: 186001
Ion Ratio Lower Upper
168 100
99 64.1 48.8 73.2



#16
Acetone
Concen: 2.484 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
58 23.7 23.4 35.0





#19

Methyl tert-butyl Ether

Concen: 1.454 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

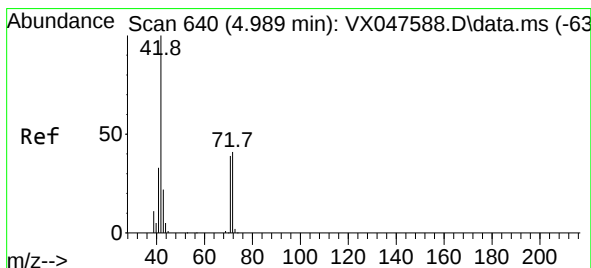
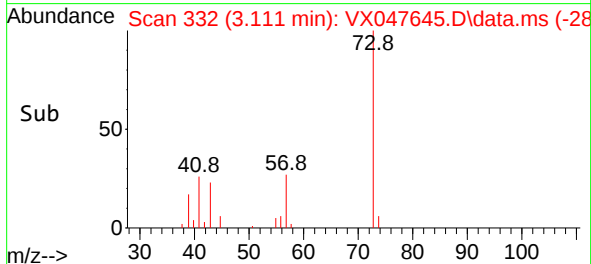
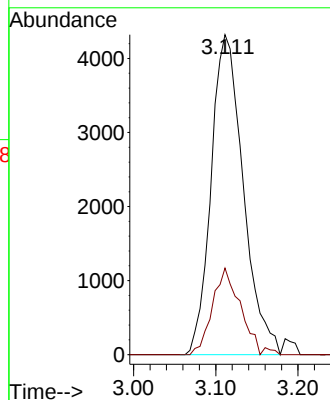
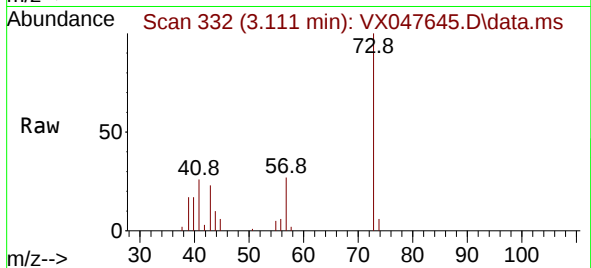
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Tgt Ion: 73 Resp: 11733

Ion Ratio Lower Upper

73 100

57 28.7 17.4 26.2#



#29

Tetrahydrofuran

Concen: 2.926 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

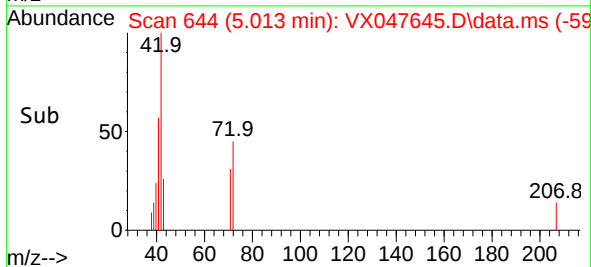
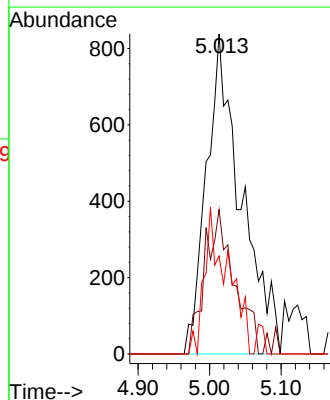
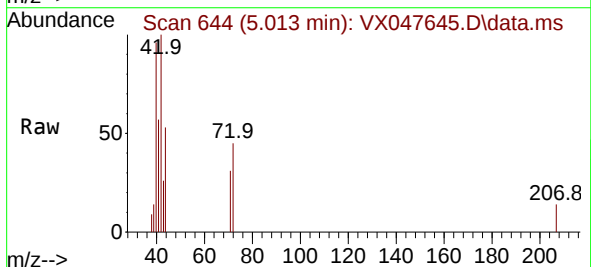
Tgt Ion: 42 Resp: 2826

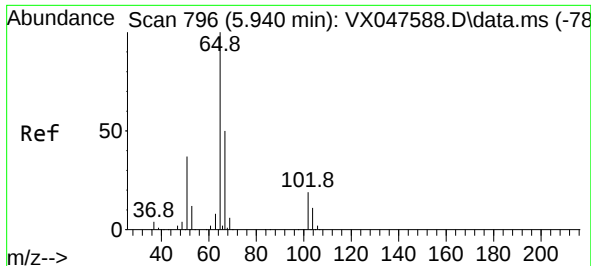
Ion Ratio Lower Upper

42 100

72 38.4 34.2 51.2

71 19.6 31.9 47.9#





#33

1,2-Dichloroethane-d4

Concen: 55.734 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

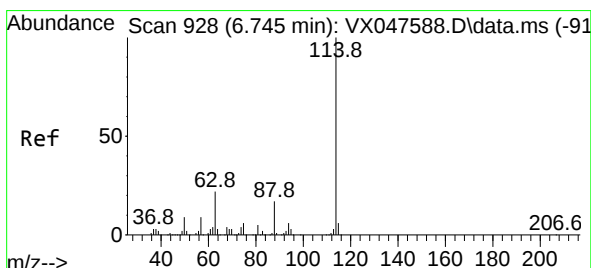
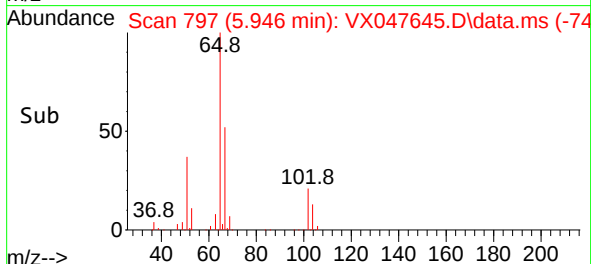
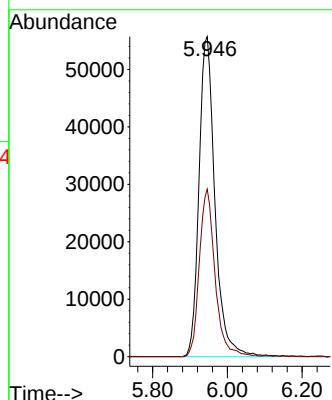
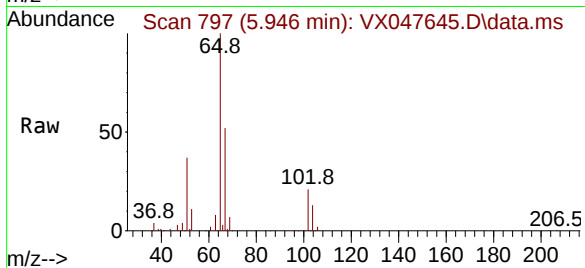
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Tgt Ion: 65 Resp: 165011

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

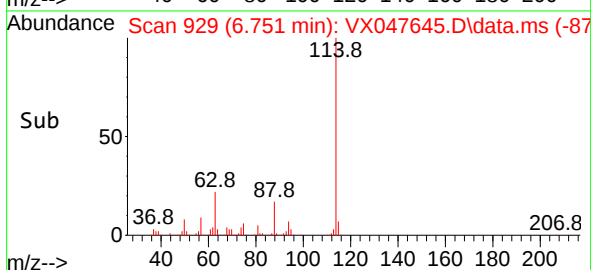
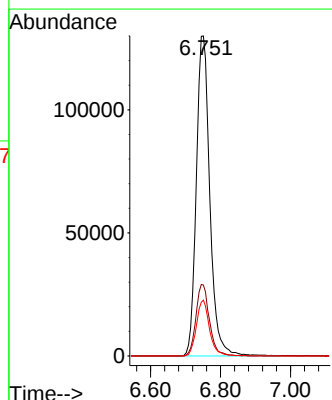
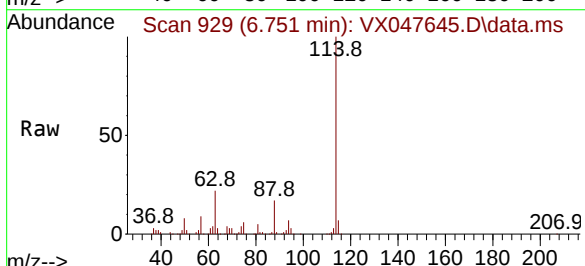
Tgt Ion: 114 Resp: 348431

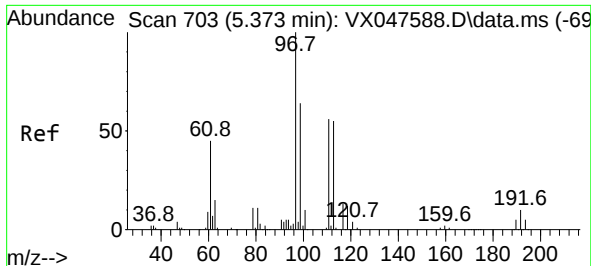
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.0

88 17.5 0.0 34.2

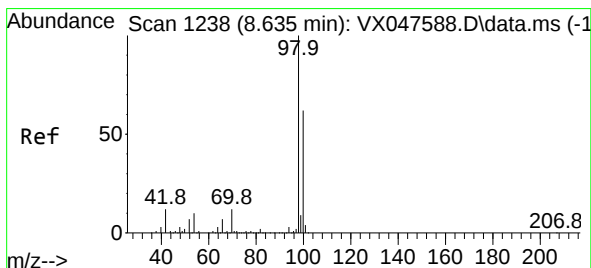
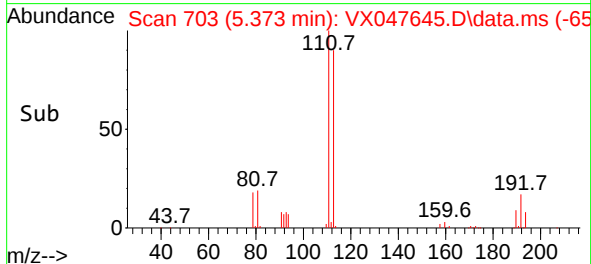
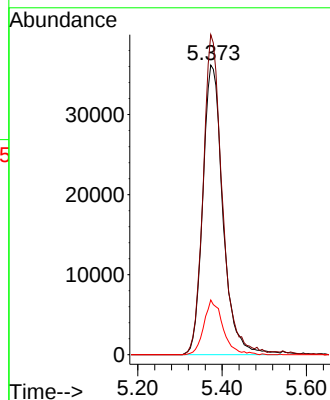
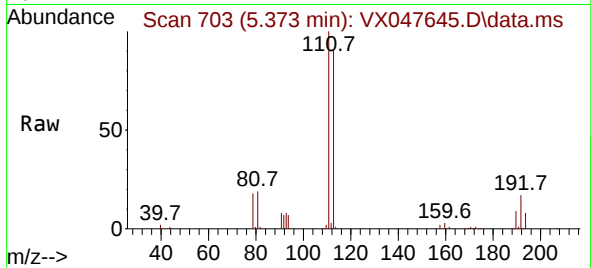




#35
Dibromofluoromethane
Concen: 51.370 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

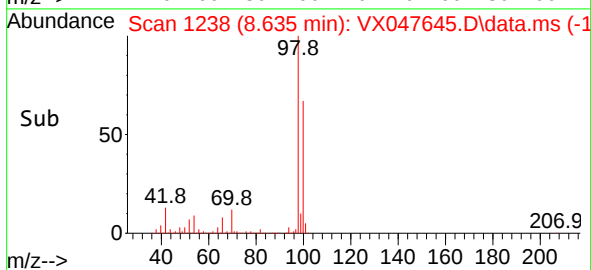
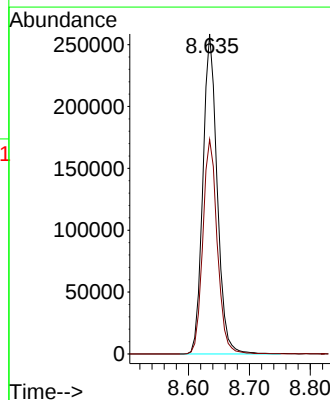
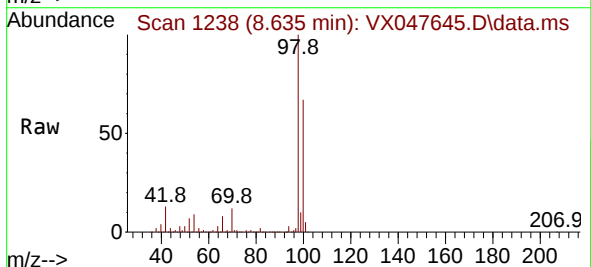
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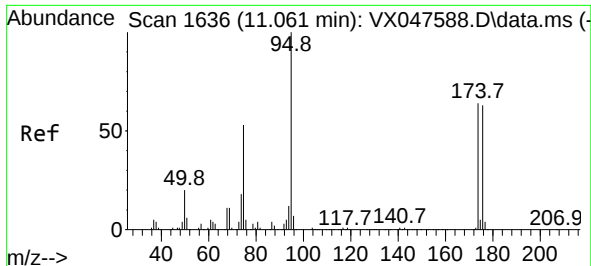
Tgt Ion:113 Resp: 120040
Ion Ratio Lower Upper
113 100
111 105.2 80.9 121.3
192 18.0 14.2 21.4



#50
Toluene-d8
Concen: 52.186 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 98 Resp: 421961
Ion Ratio Lower Upper
98 100
100 68.0 53.0 79.4

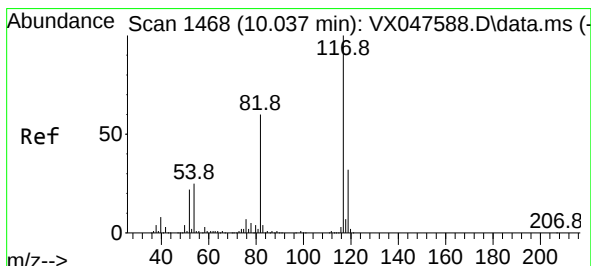
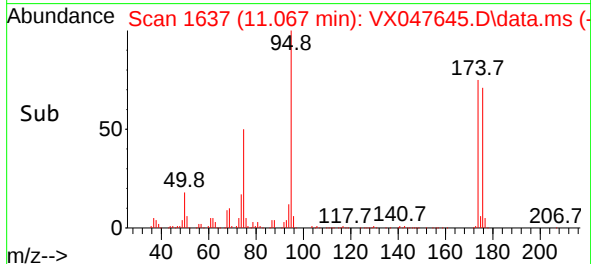
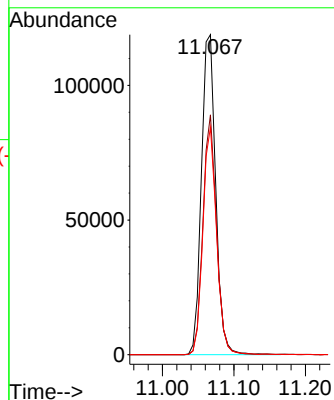
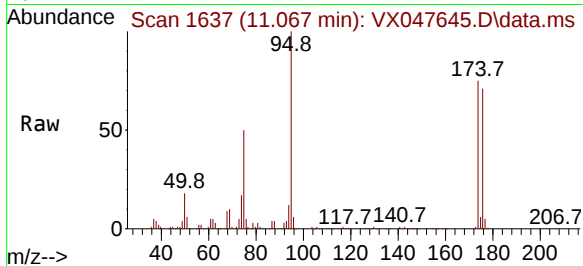




#62
4-Bromofluorobenzene
Concen: 53.647 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

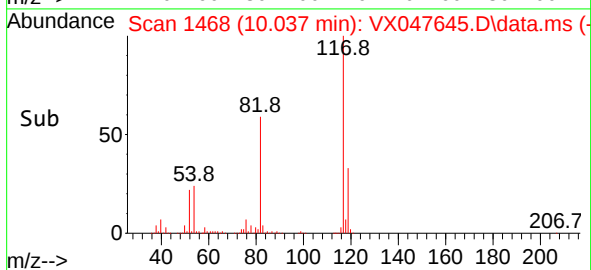
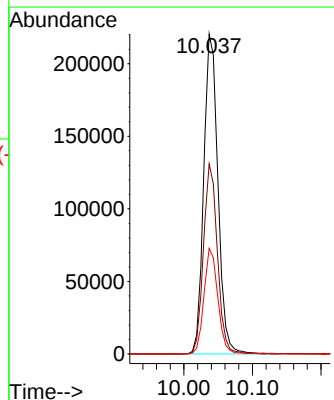
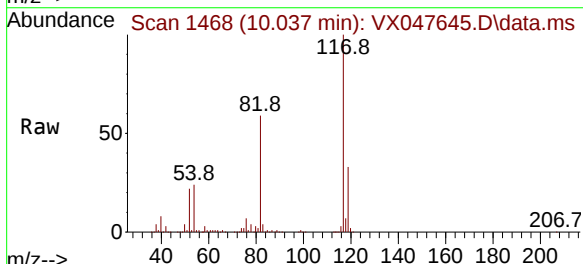
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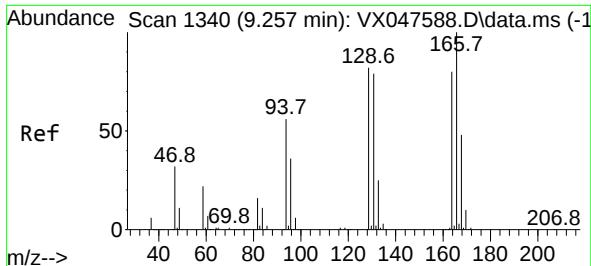
Tgt Ion: 95 Resp: 164626
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.6
176 68.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 117 Resp: 318544
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.6
119 33.0 25.2 37.8

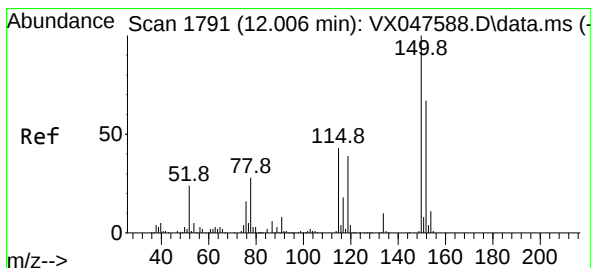
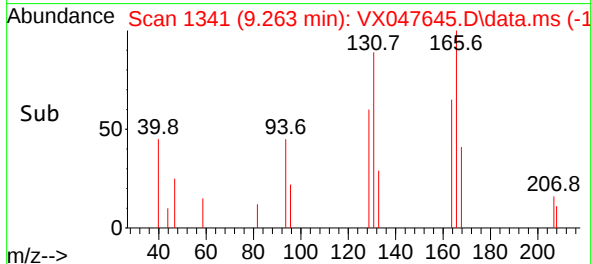
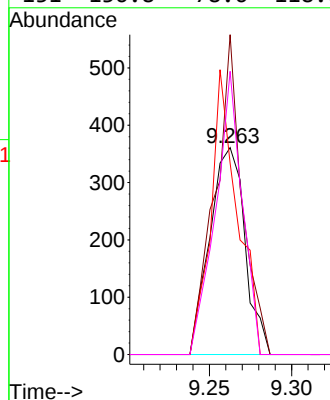
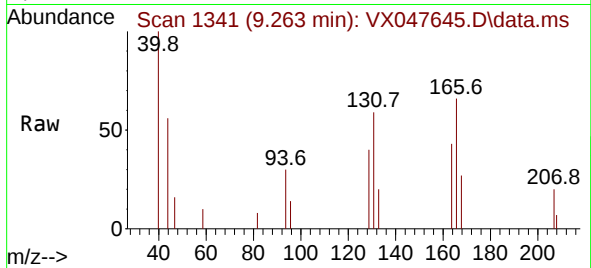




#64
Tetrachloroethene
Concen: 0.259 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Tgt Ion:164 Resp: 537
Ion Ratio Lower Upper
164 100
166 154.6 100.2 150.2#
129 92.5 81.8 122.6
131 136.8 78.6 118.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion:152 Resp: 154032
Ion Ratio Lower Upper
152 100
115 62.5 44.9 134.5
150 158.4 0.0 352.0

