

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048907.D
 Acq On : 16 Dec 2025 22:39
 Operator : JC/MD
 Sample : Q3849-09DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-121125DL

Quant Time: Dec 17 03:31:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:22:16 2025
 Response via : Initial Calibration

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

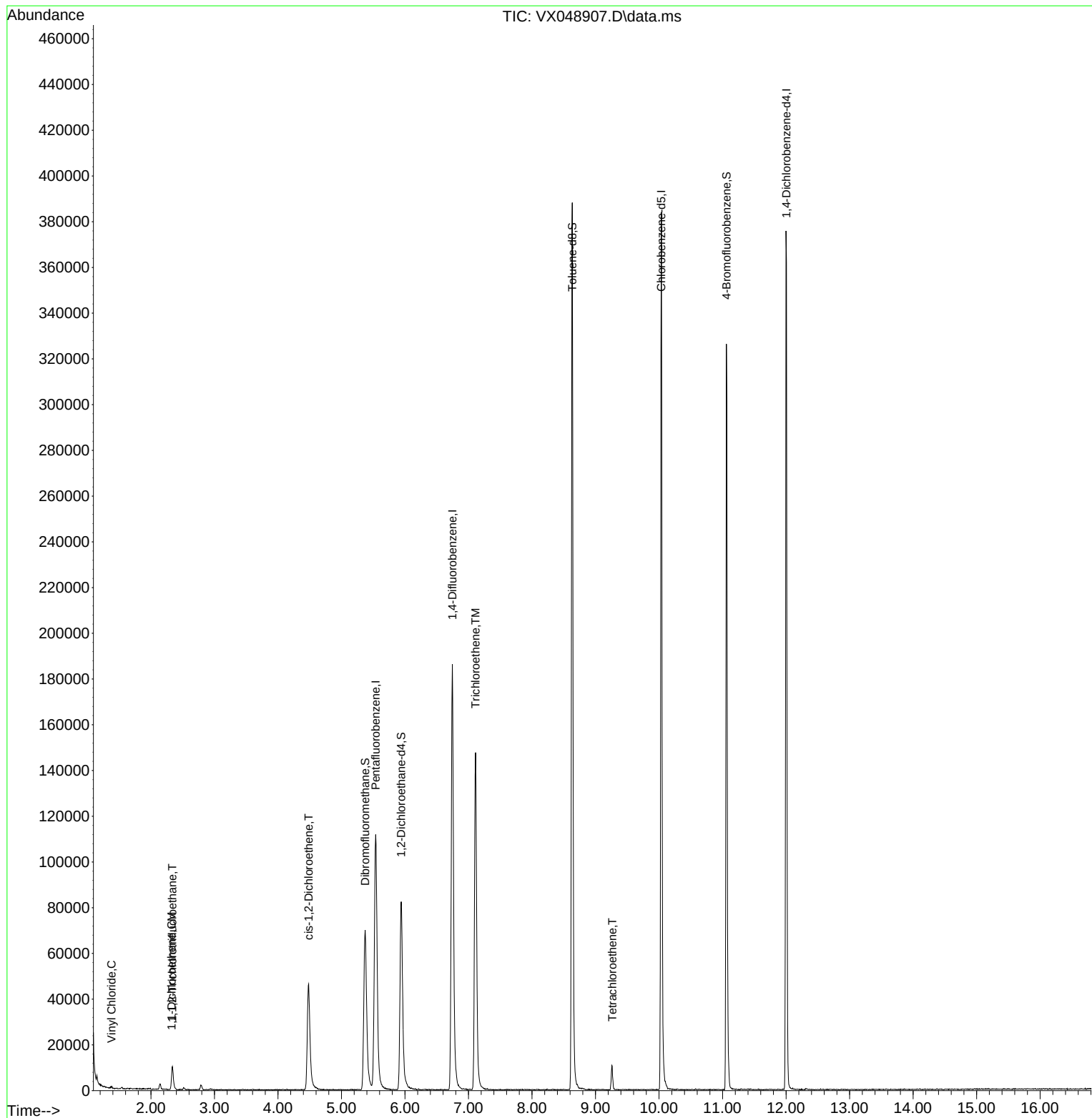
Internal Standards						
1) Pentafluorobenzene	5.538	168	114460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	197510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	175255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	81087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	89038	46.538	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.080%
35) Dibromofluoromethane	5.373	113	69807	47.551	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.100%
50) Toluene-d8	8.635	98	245585	46.857	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.720%
62) 4-Bromofluorobenzene	11.061	95	86865	46.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.320%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	475	0.318	ug/l #	84
9) 1,1,2-Trichlorotrifluo...	2.337	101	4384	3.604	ug/l	98
12) 1,1-Dichloroethene	2.325	96	399	0.334	ug/l #	56
27) cis-1,2-Dichloroethene	4.483	96	32266	18.765	ug/l	98
44) Trichloroethene	7.110	130	61767	40.556	ug/l	95
64) Tetrachloroethene	9.262	164	2178	1.932	ug/l	88

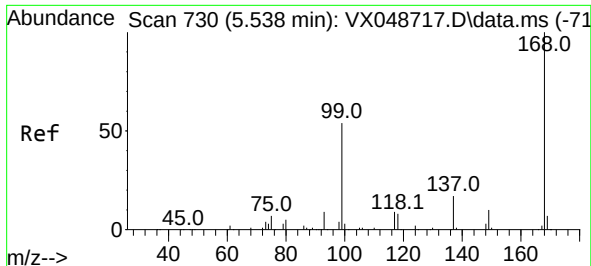
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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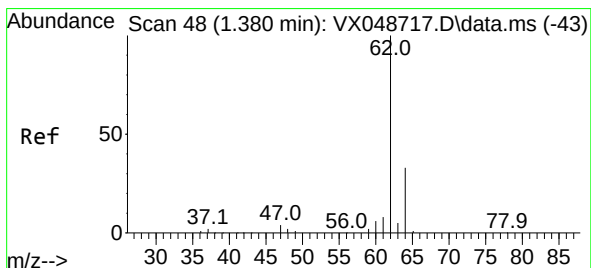
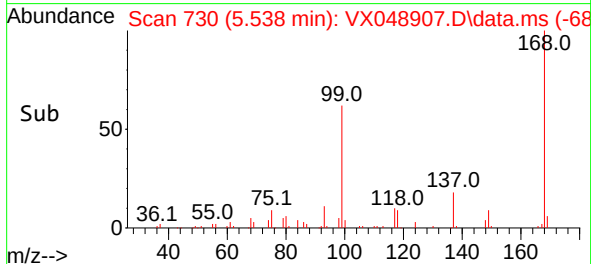
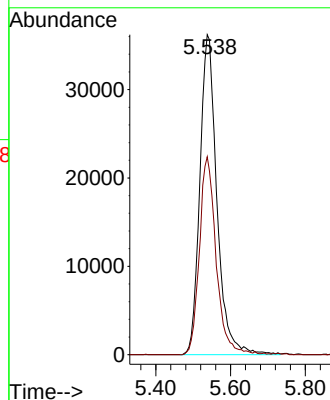
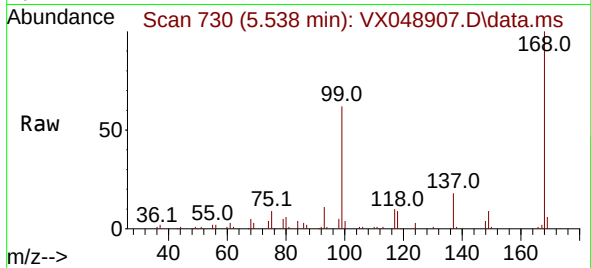




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

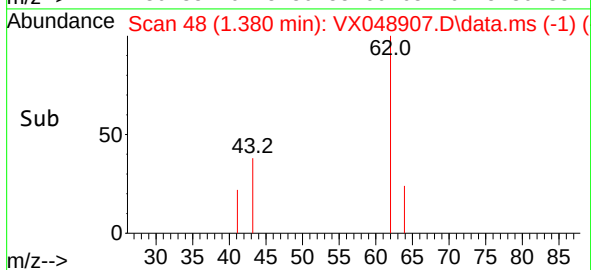
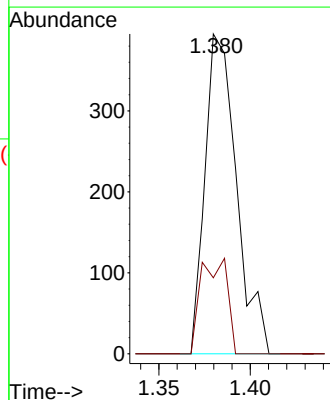
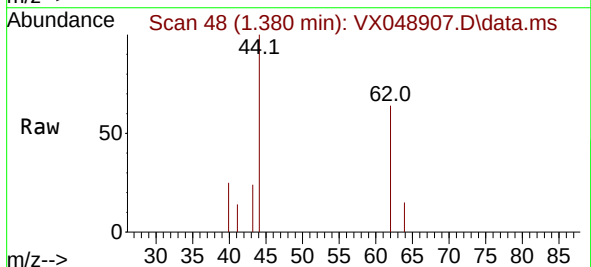
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-121125DL

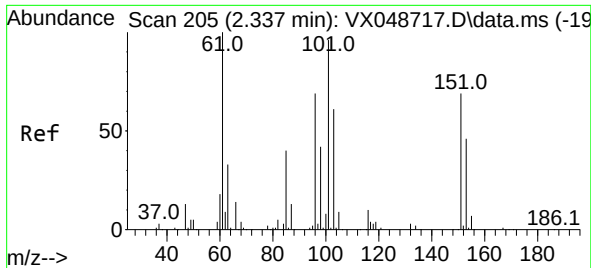
Tgt Ion:168 Resp: 114460
Ion Ratio Lower Upper
168 100
99 61.9 44.2 66.4



#4
Vinyl Chloride
Concen: 0.318 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

Tgt Ion: 62 Resp: 475
Ion Ratio Lower Upper
62 100
64 23.8 26.0 39.0#

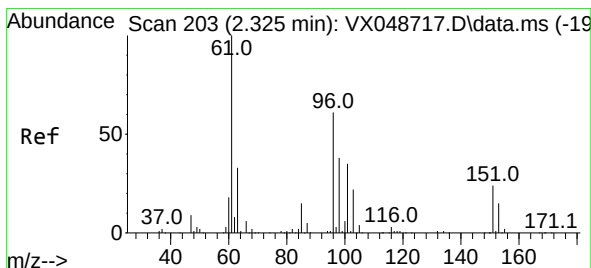
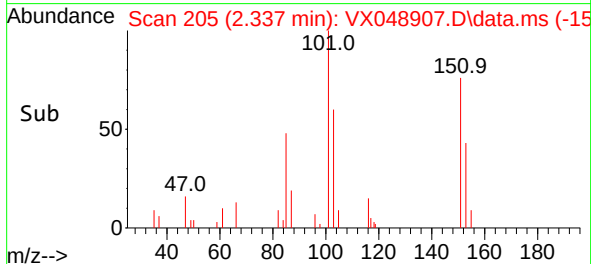
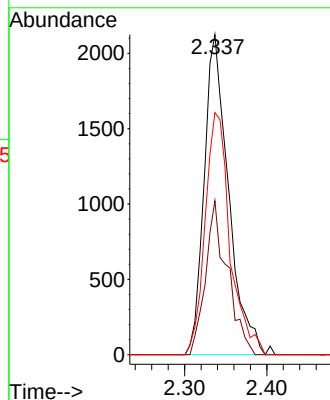
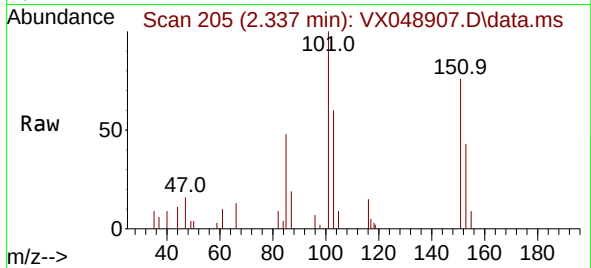




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.604 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX048907.D
 Acq: 16 Dec 2025 22:39

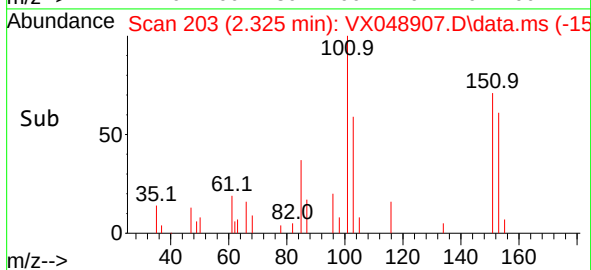
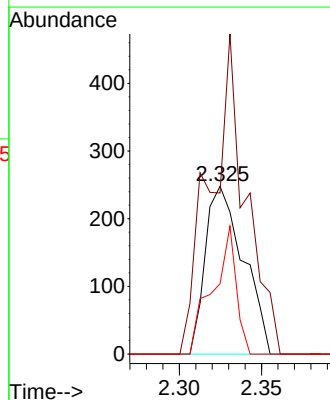
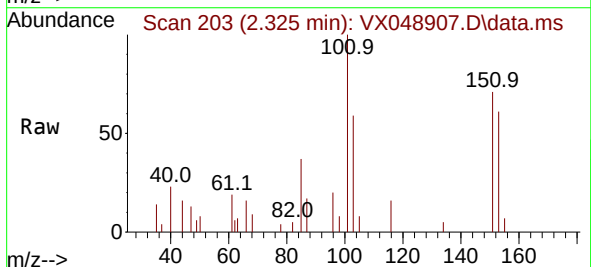
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-121125DL

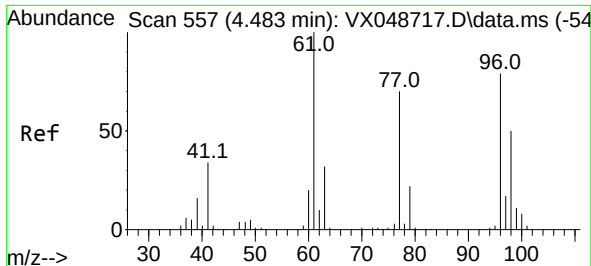
Tgt Ion:101 Resp: 4384
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.2 51.2
 151 77.2 60.2 90.4



#12
 1,1-Dichloroethene
 Concen: 0.334 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX048907.D
 Acq: 16 Dec 2025 22:39

Tgt Ion: 96 Resp: 399
 Ion Ratio Lower Upper
 96 100
 61 96.0 130.7 196.1#
 98 41.9 49.8 74.8#





#27

cis-1,2-Dichloroethene

Concen: 18.765 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX048907.D

Acq: 16 Dec 2025 22:39

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-71.5-121125DL

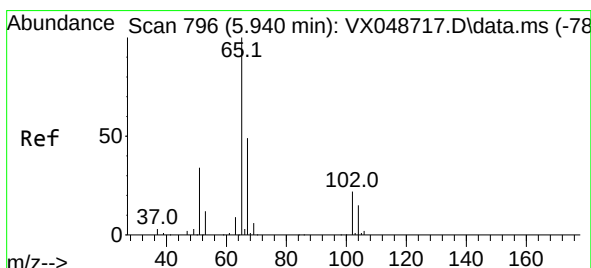
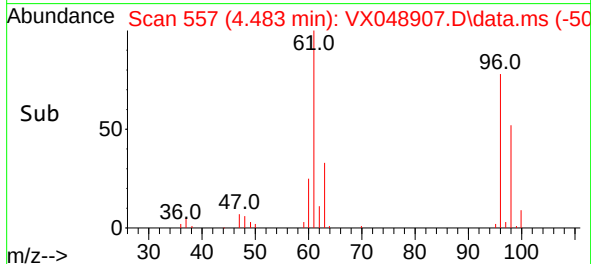
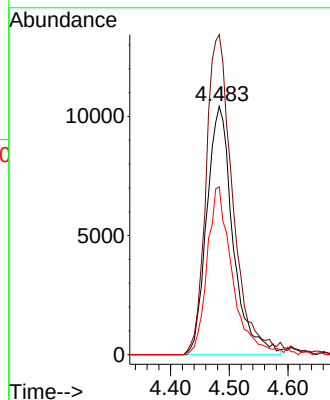
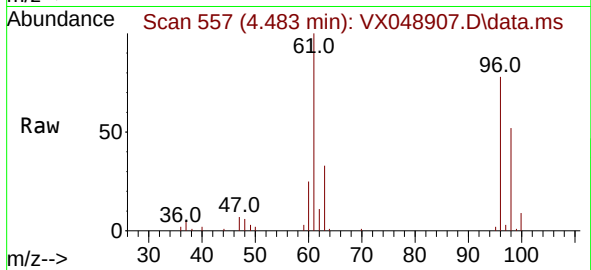
Tgt Ion: 96 Resp: 32266

Ion Ratio Lower Upper

96 100

61 132.0 0.0 271.0

98 64.8 0.0 130.2



#33

1,2-Dichloroethane-d4

Concen: 46.538 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048907.D

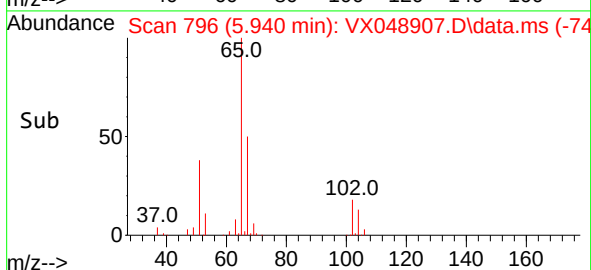
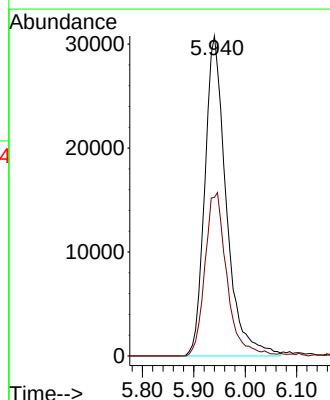
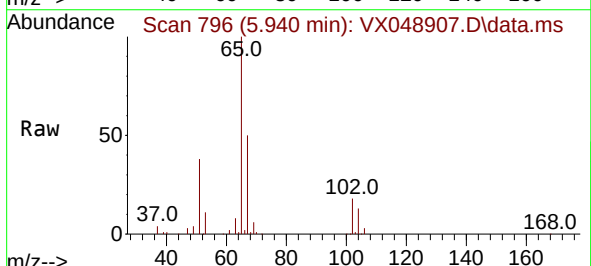
Acq: 16 Dec 2025 22:39

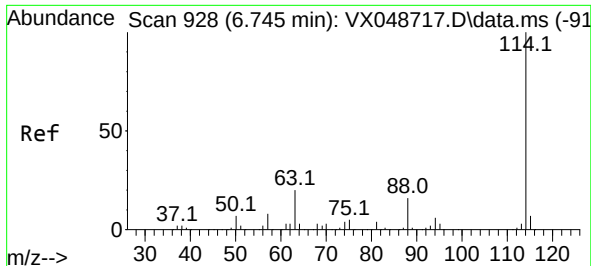
Tgt Ion: 65 Resp: 89038

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.4

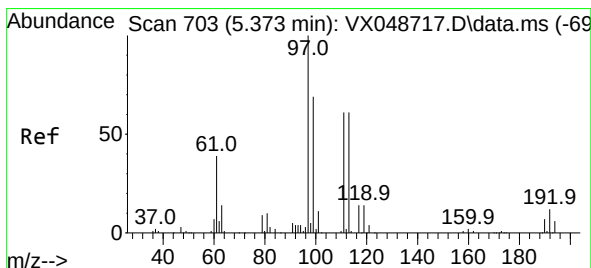
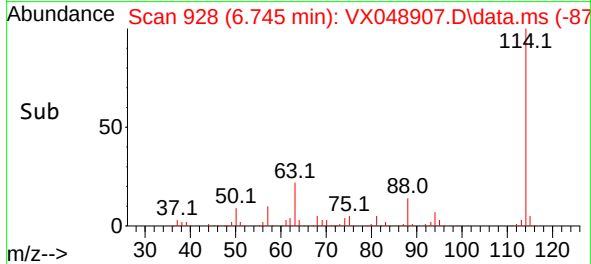
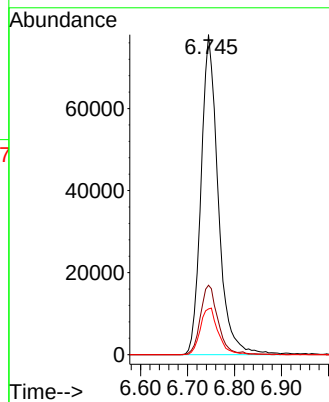
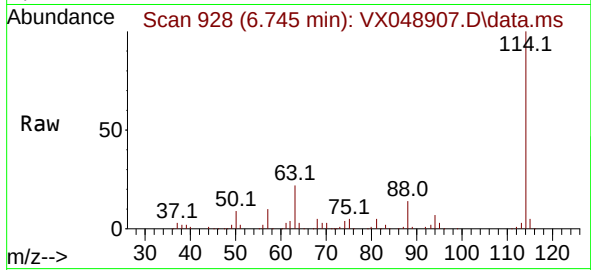




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

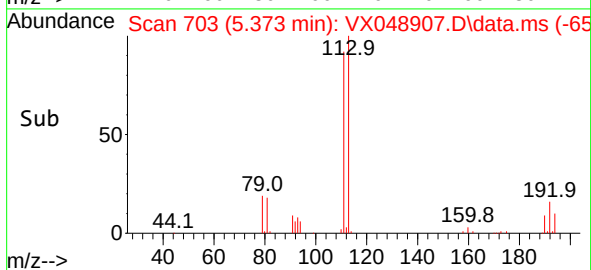
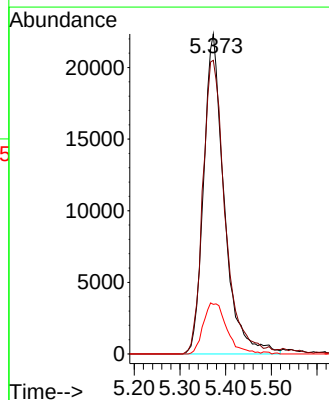
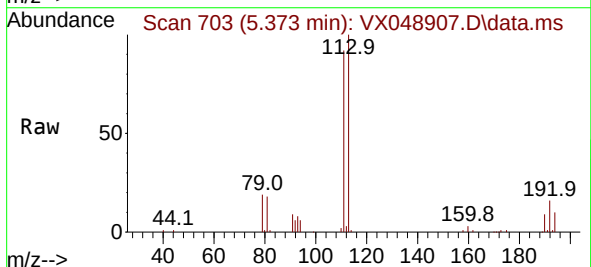
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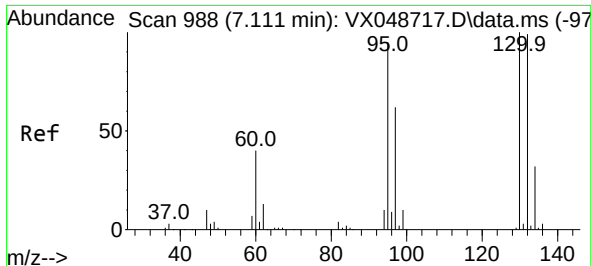
Tgt Ion:114 Resp: 197510
Ion Ratio Lower Upper
114 100
63 21.7 0.0 39.0
88 14.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.551 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

Tgt Ion:113 Resp: 69807
Ion Ratio Lower Upper
113 100
111 99.6 79.5 119.3
192 18.2 16.1 24.1

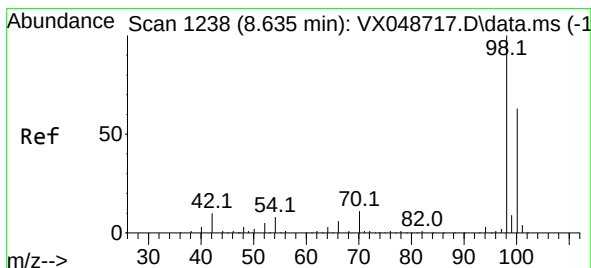
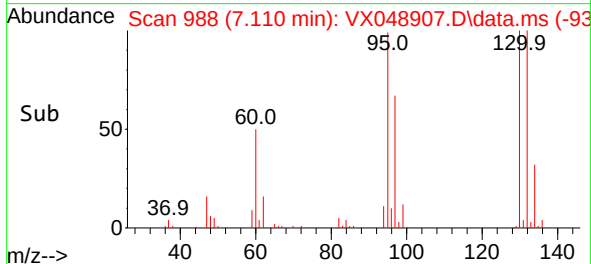
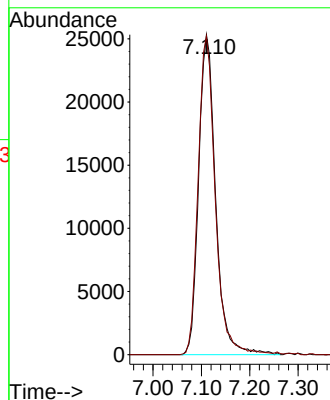
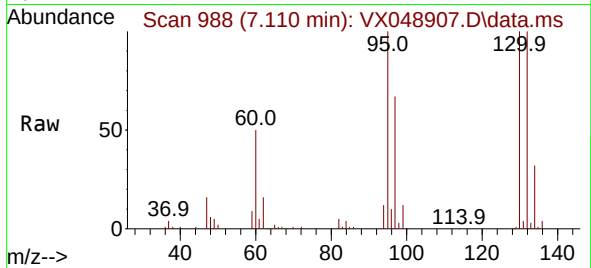




#44
Trichloroethene
Concen: 40.556 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

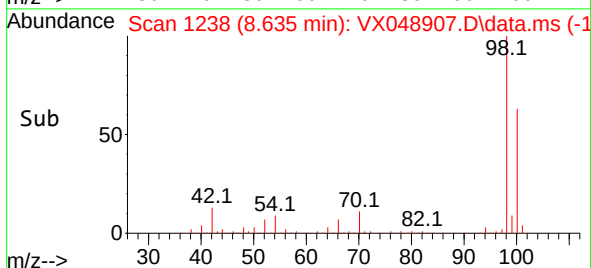
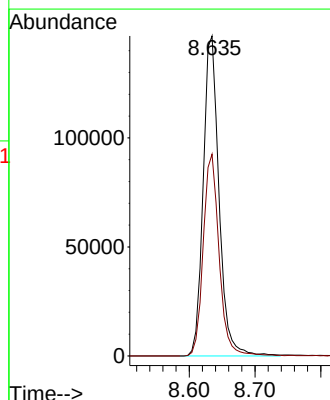
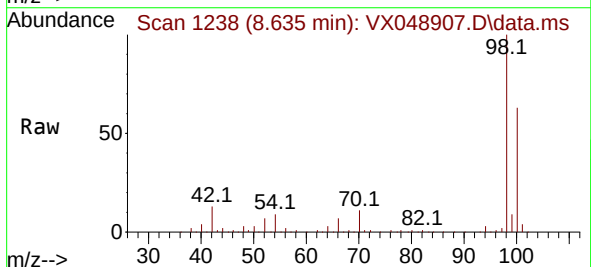
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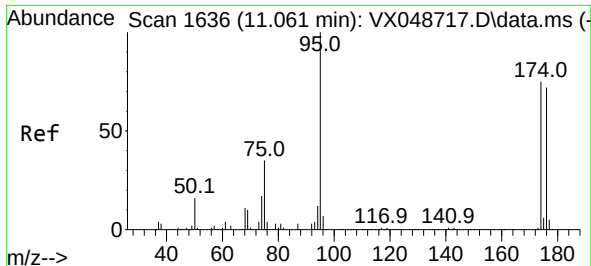
Tgt Ion:130 Resp: 61767
Ion Ratio Lower Upper
130 100
95 99.6 0.0 189.6



#50
Toluene-d8
Concen: 46.857 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

Tgt Ion: 98 Resp: 245585
Ion Ratio Lower Upper
98 100
100 63.2 53.4 80.0

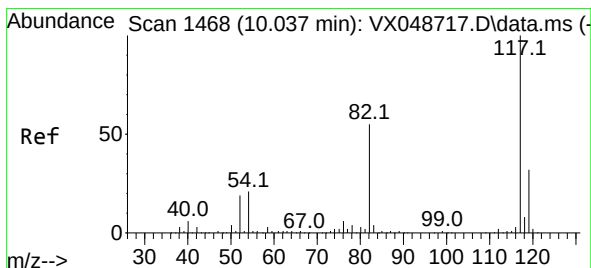
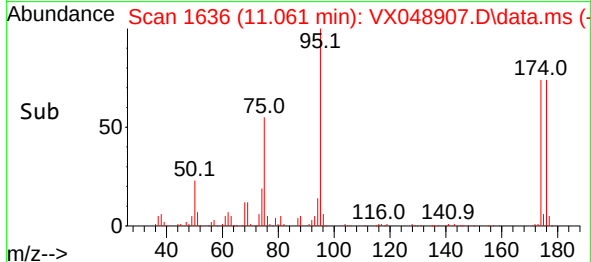
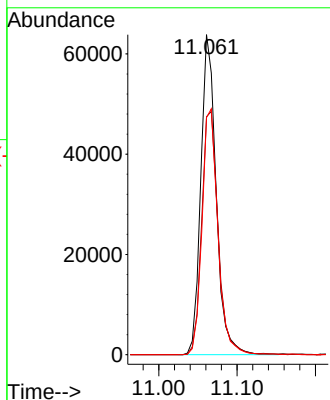
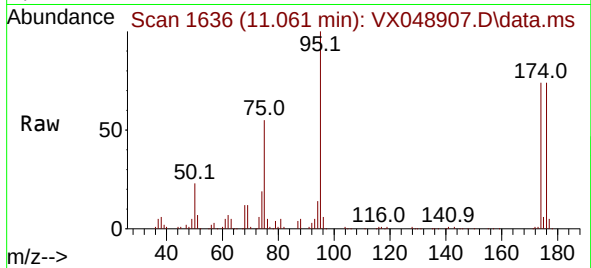




#62
4-Bromofluorobenzene
Concen: 46.163 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

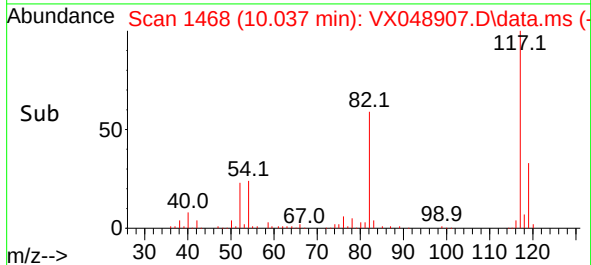
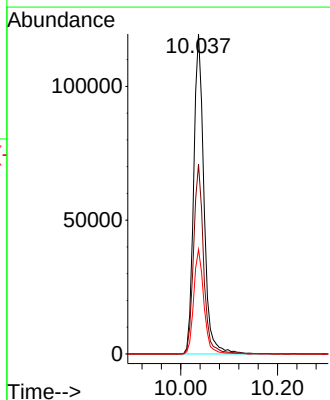
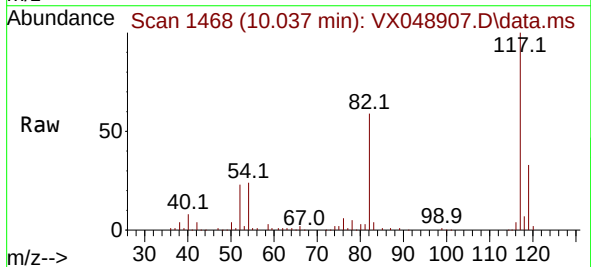
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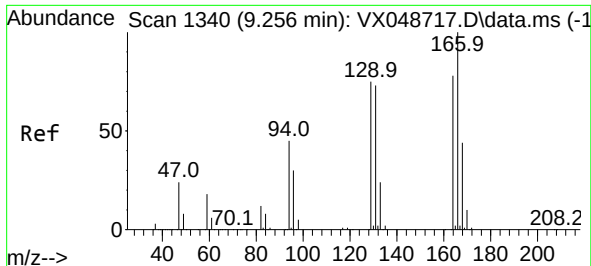
Tgt Ion: 95 Resp: 86865
Ion Ratio Lower Upper
95 100
174 81.5 0.0 157.8
176 79.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

Tgt Ion: 117 Resp: 175255
Ion Ratio Lower Upper
117 100
82 59.2 44.1 66.1
119 32.6 25.2 37.8



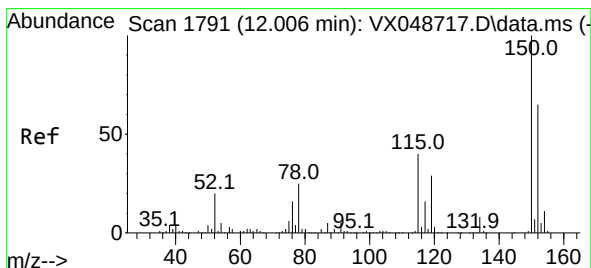
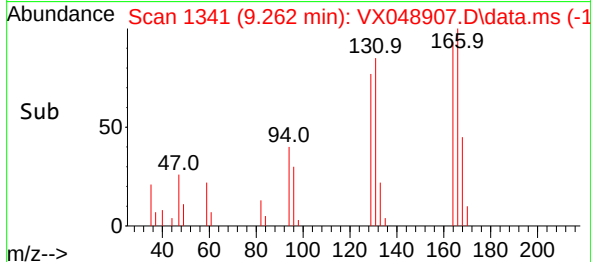
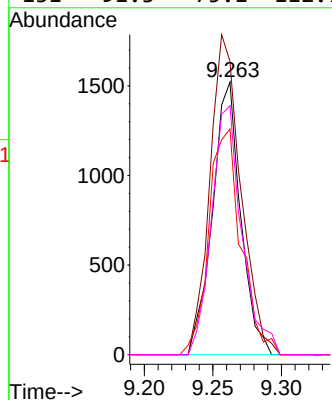
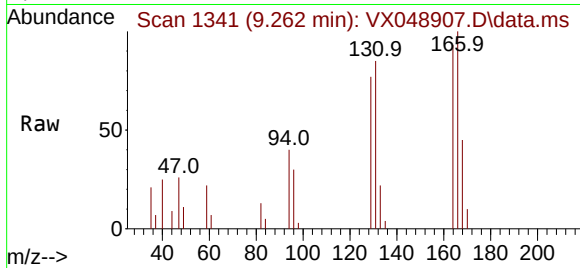


#64
Tetrachloroethene
Concen: 1.932 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

Instrument :
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Tgt Ion:164 Resp: 2178

Ion	Ratio	Lower	Upper
164	100		
166	107.6	103.1	154.7
129	82.8	76.9	115.3
131	91.3	75.1	112.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VX048907.D
Acq: 16 Dec 2025 22:39

Tgt Ion:152 Resp: 81087

Ion	Ratio	Lower	Upper
152	100		
115	58.8	42.1	126.4
150	157.7	0.0	347.8

