

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032631.D
 Acq On : 11 Dec 2025 14:38
 Operator : SY/MD
 Sample : Q3826-03
 Misc : 3.49g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-14

Quant Time: Dec 12 00:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	416091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	858178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	742100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	309671	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	427561	64.302	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	128.600%
35) Dibromofluoromethane	7.898	113	354489	57.434	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	114.860%
50) Toluene-d8	10.325	98	1246228	56.585	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	113.160%
62) 4-Bromofluorobenzene	12.617	95	425969	52.680	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.360%

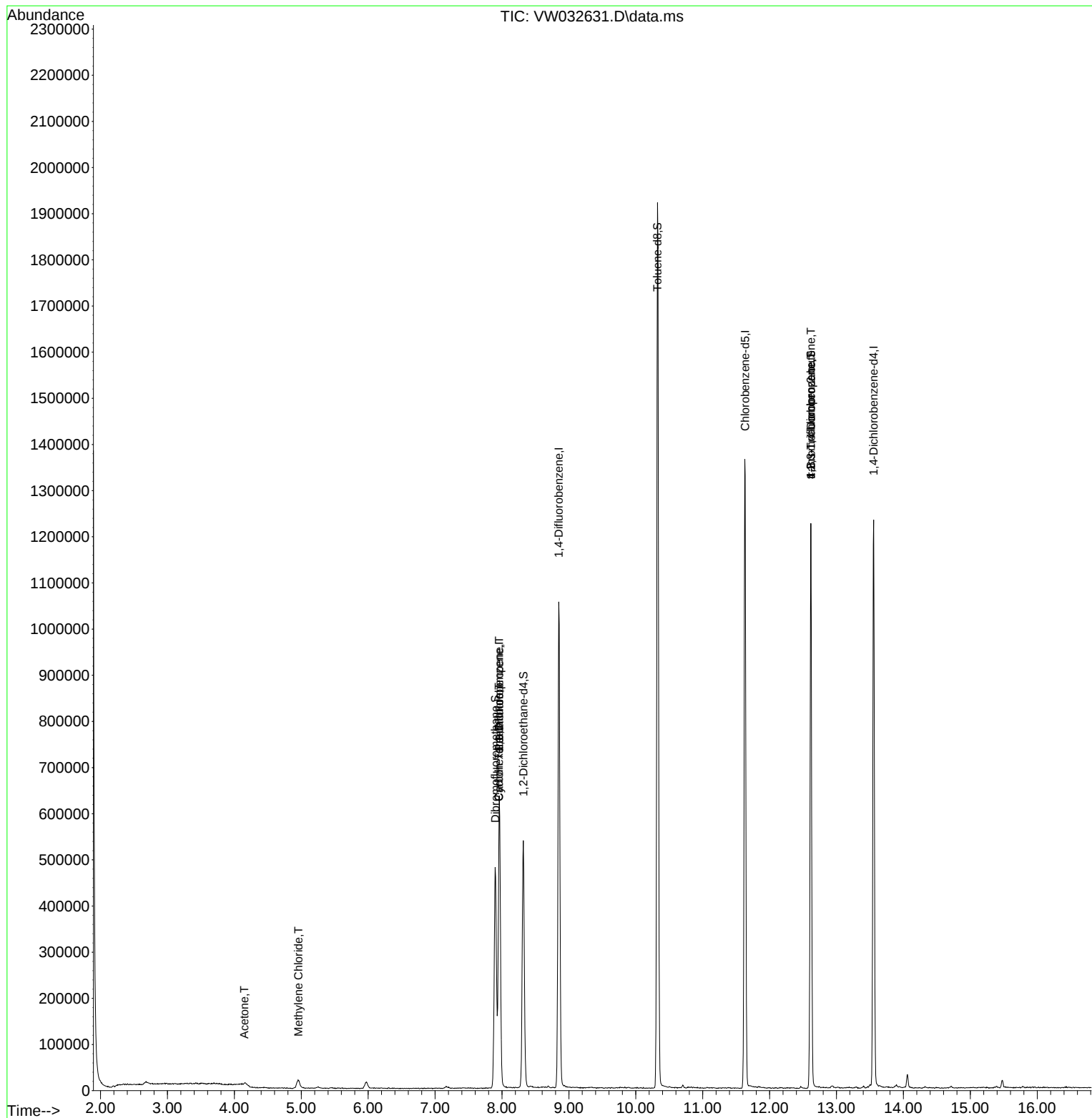
Target Compounds					Qvalue	
16) Acetone	4.149	43	4879	2.238	ug/l #	88
20) Methylene Chloride	4.960	84	15159	2.278	ug/l	89
31) Cyclohexane	7.953	56	12145	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	41400	4.686	ug/l #	51
38) Carbon Tetrachloride	7.953	117	48306	5.911	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.934	63	125	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.617	75	220265	53.007	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	220265	103.955	ug/l #	7
95) Naphthalene	15.366	128	633	Below Cal	#	85

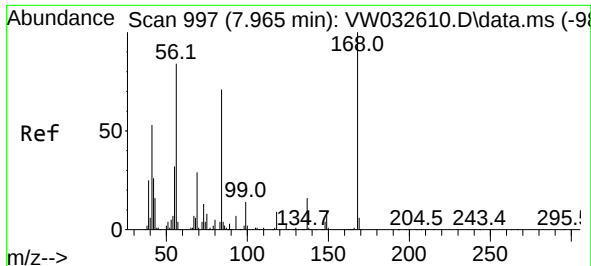
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 12 00:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 01:56:28 2025
Response via : Initial Calibration

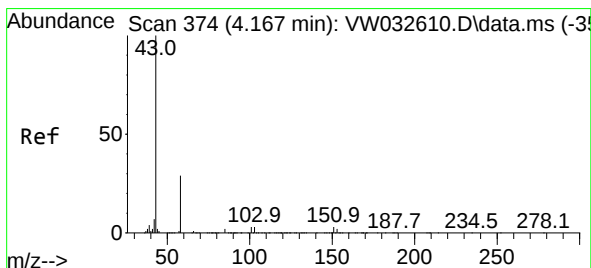
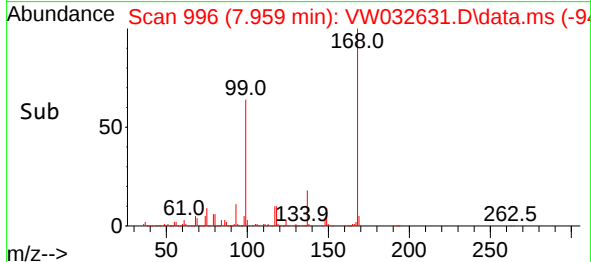
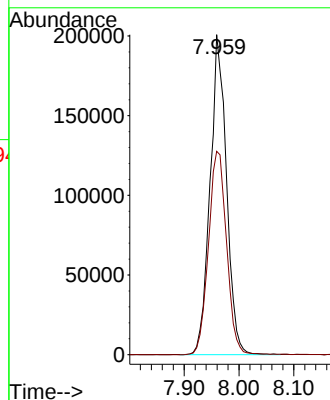
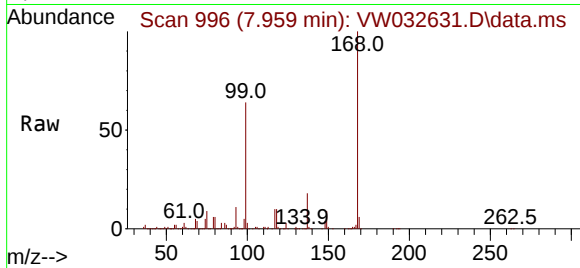




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

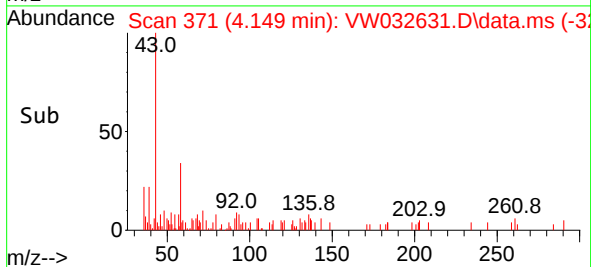
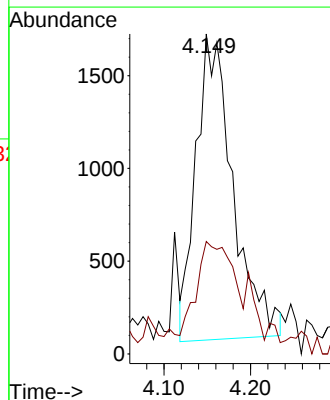
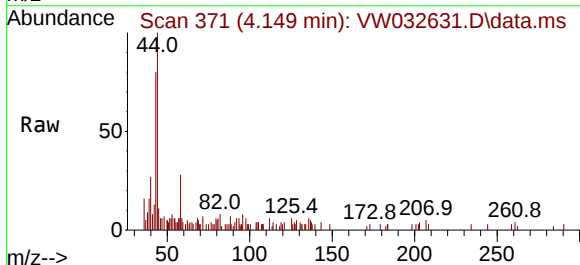
Instrument :
MSVOA_W
ClientSampleId :
TP-14

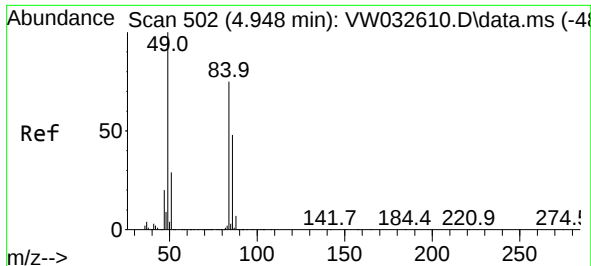
Tgt Ion:168 Resp: 416091
Ion Ratio Lower Upper
168 100
99 63.6 47.8 71.8



#16
Acetone
Concen: 2.238 ug/l
RT: 4.149 min Scan# 371
Delta R.T. -0.018 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

Tgt Ion: 43 Resp: 4879
Ion Ratio Lower Upper
43 100
58 36.3 23.9 35.9#

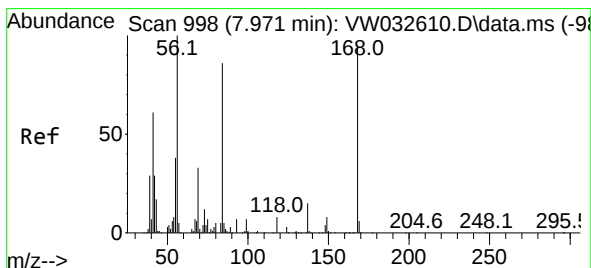
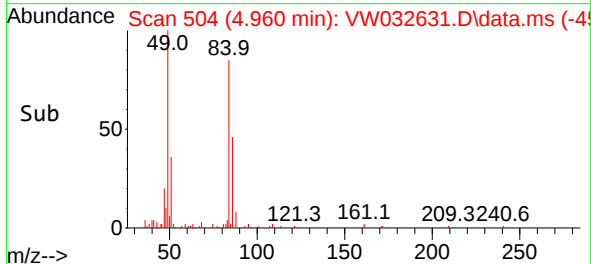
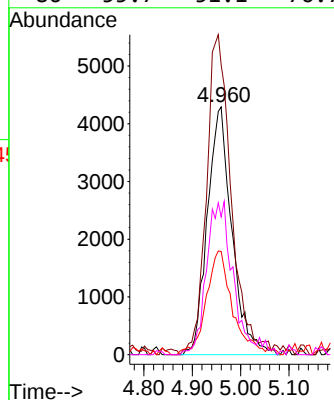
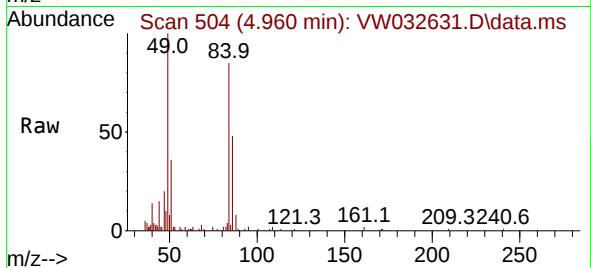




#20
Methylene Chloride
Concen: 2.278 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.012 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

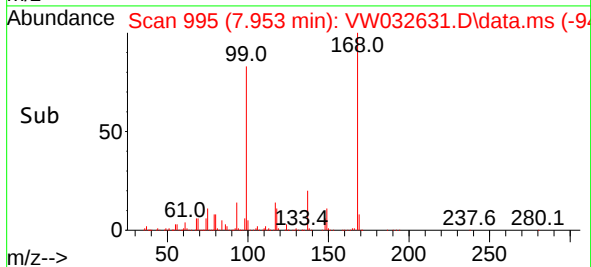
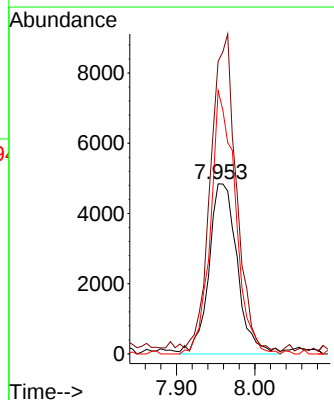
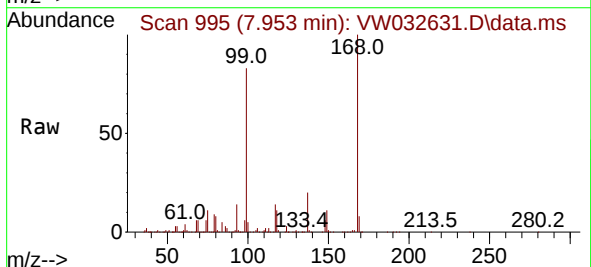
Instrument :
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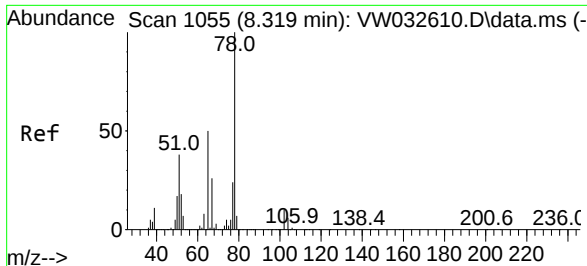
Tgt Ion:	84	Resp:	15159
Ion	Ratio	Lower	Upper
84	100		
49	117.0	106.9	160.3
51	41.7	31.4	47.2
86	55.7	51.1	76.7



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

Tgt Ion:	56	Resp:	12145
Ion	Ratio	Lower	Upper
56	100		
69	173.0	26.2	39.2#
84	156.9	68.9	103.3#

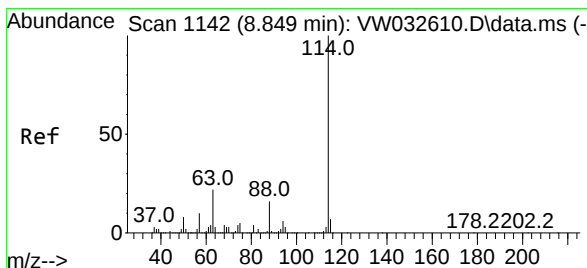
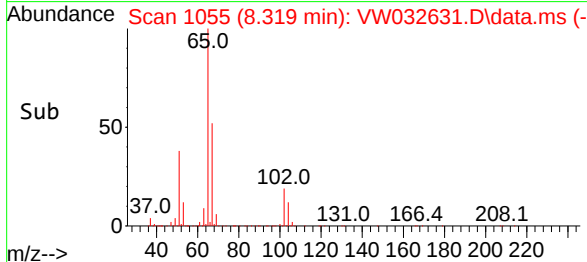
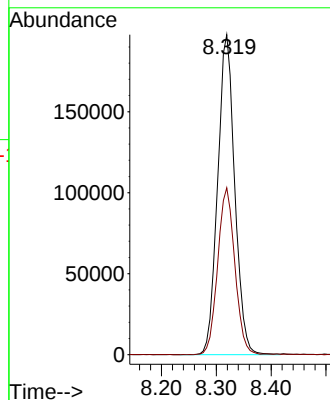
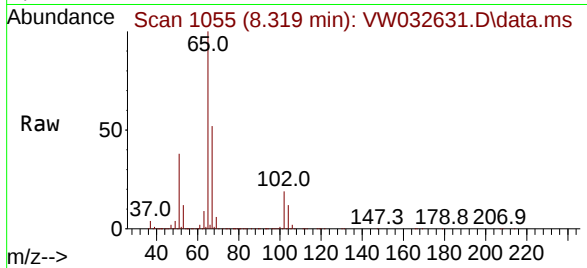




#33
 1,2-Dichloroethane-d4
 Concen: 64.302 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032631.D
 Acq: 11 Dec 2025 14:38

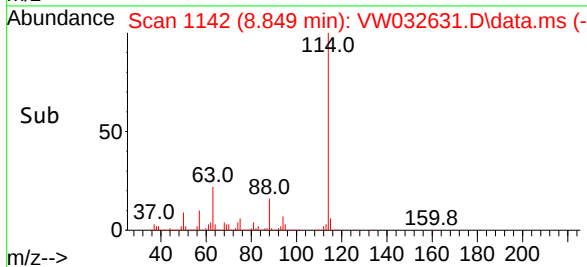
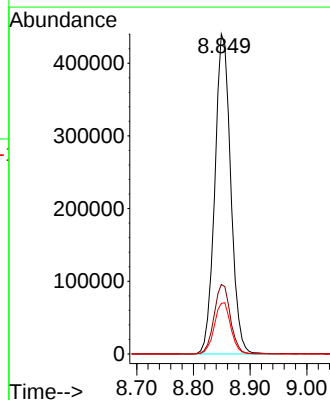
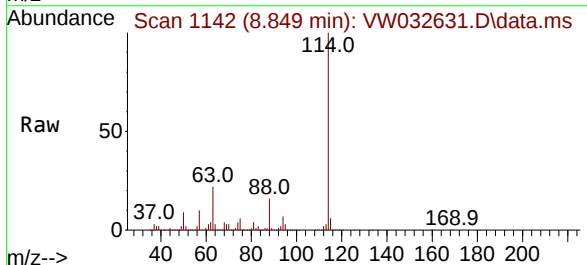
Instrument :
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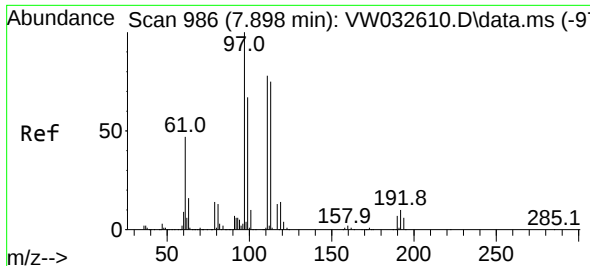
Tgt Ion: 65 Resp: 427561
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032631.D
 Acq: 11 Dec 2025 14:38

Tgt Ion: 114 Resp: 858178
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.6
 88 15.8 0.0 31.8

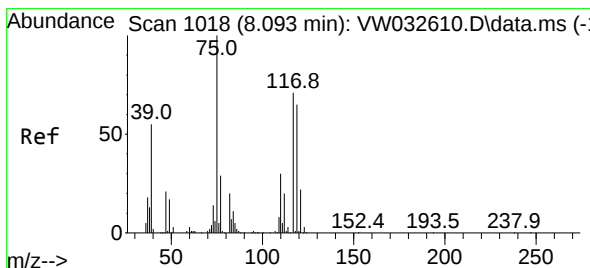
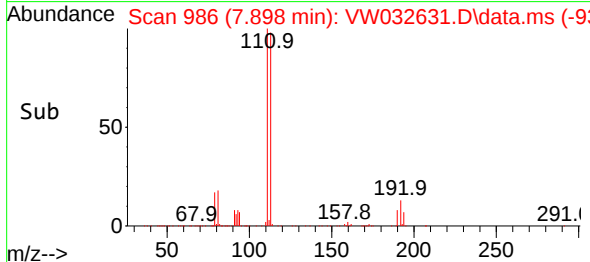
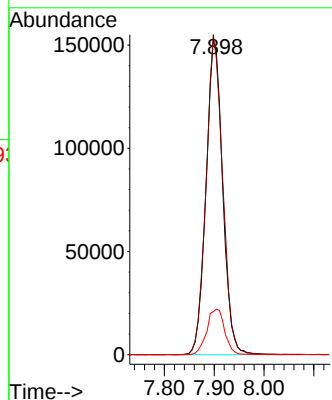
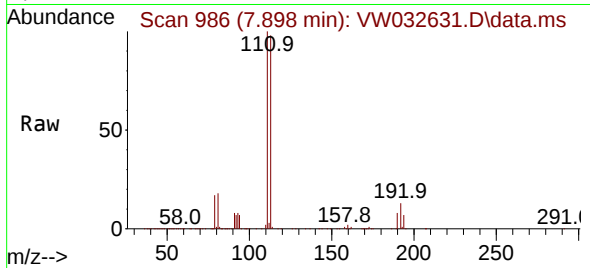




#35
 Dibromofluoromethane
 Concen: 57.434 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.000 min
 Lab File: VW032631.D
 Acq: 11 Dec 2025 14:38

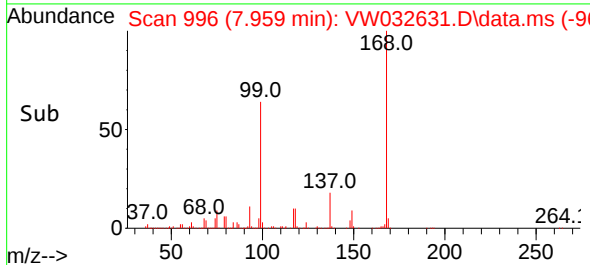
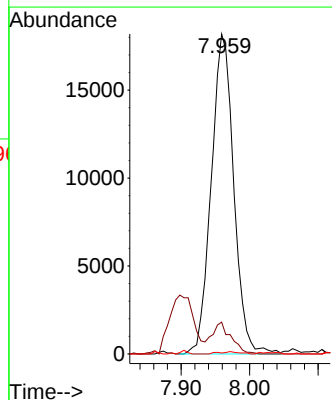
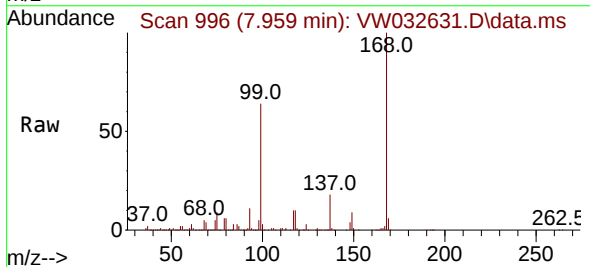
Instrument :
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 ClientSampleId :
 TP-14

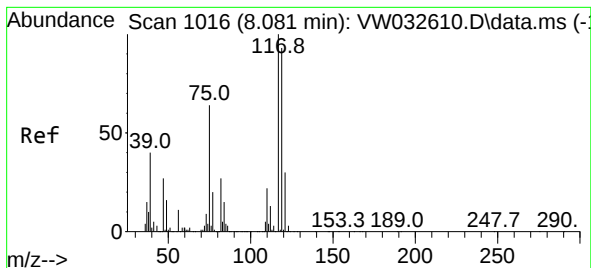
Tgt Ion:113 Resp: 354489
 Ion Ratio Lower Upper
 113 100
 111 101.3 85.2 127.8
 192 15.6 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.686 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032631.D
 Acq: 11 Dec 2025 14:38

Tgt Ion: 75 Resp: 41400
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.3 48.9#
 77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.911 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.128 min

Lab File: VW032631.D

Acq: 11 Dec 2025 14:38

Instrument :

MSVOA_W

ClientSampleId :

TP-14

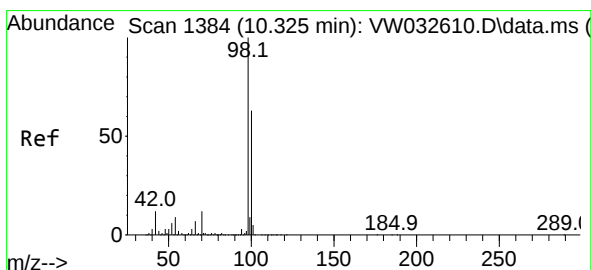
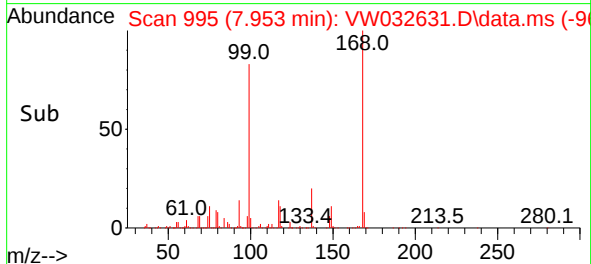
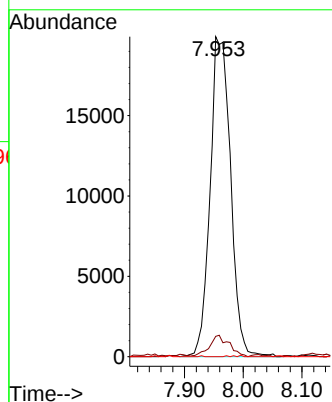
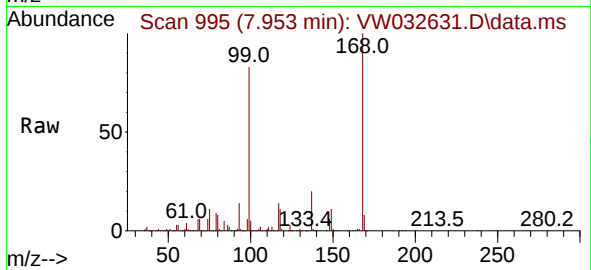
Tgt Ion:117 Resp: 48306

Ion Ratio Lower Upper

117 100

119 6.3 74.3 111.5#

121 0.0 23.6 35.4#



#50

Toluene-d8

Concen: 56.585 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032631.D

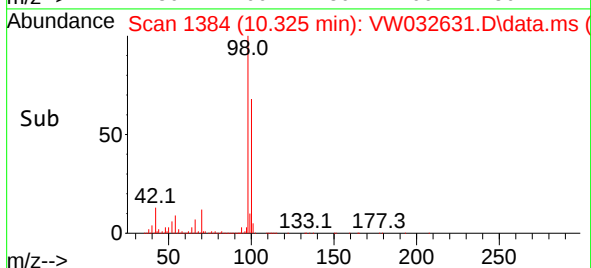
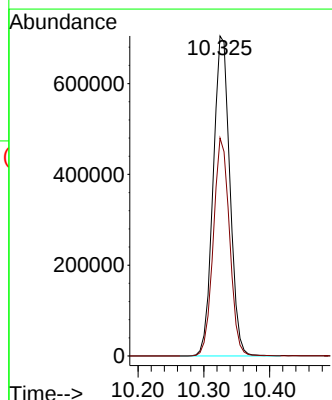
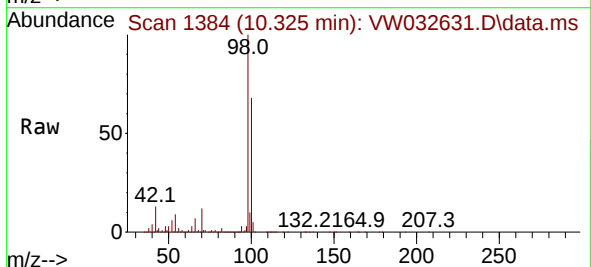
Acq: 11 Dec 2025 14:38

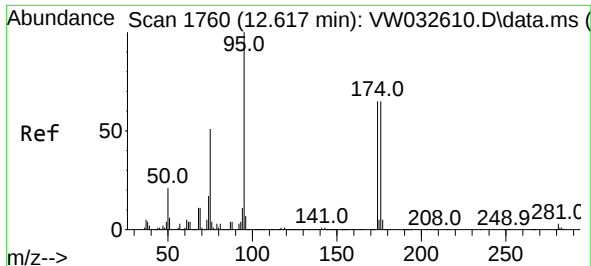
Tgt Ion: 98 Resp: 1246228

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2

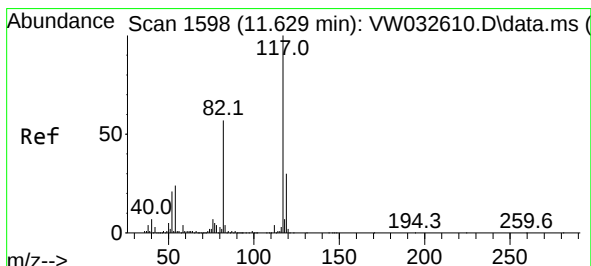
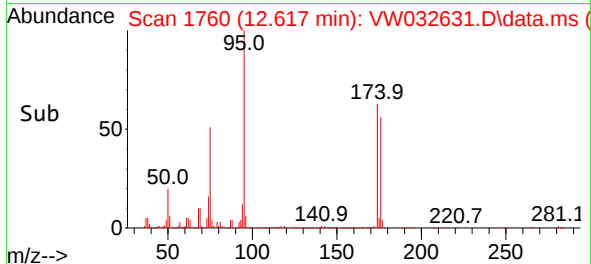
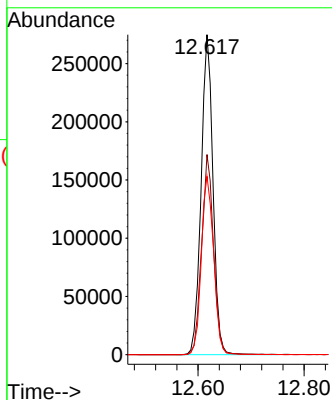
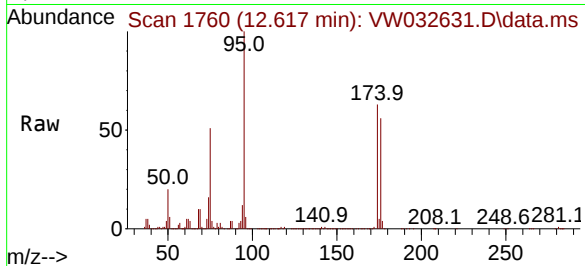




#62
4-Bromofluorobenzene
Concen: 52.680 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

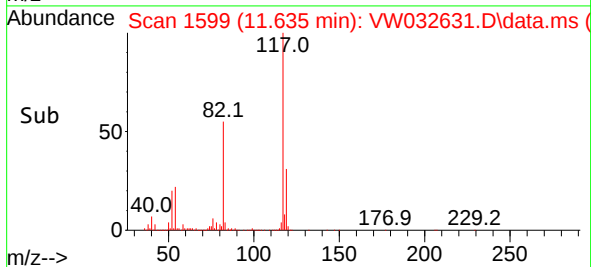
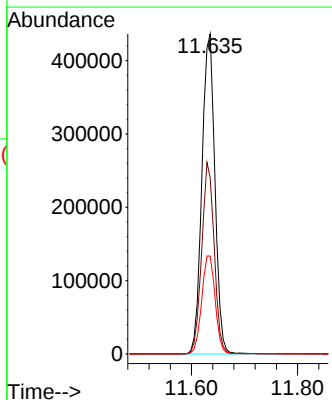
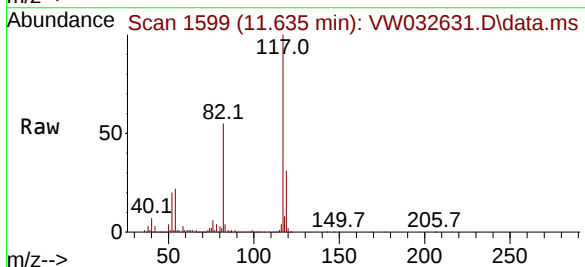
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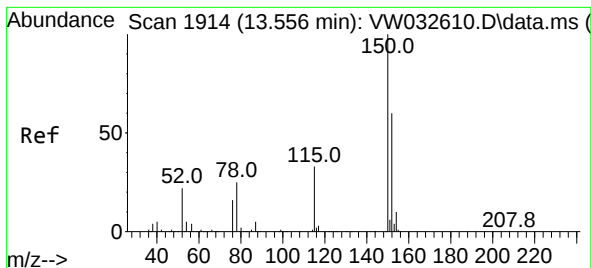
Tgt Ion: 95 Resp: 425969
Ion Ratio Lower Upper
95 100
174 63.2 0.0 135.0
176 58.1 0.0 123.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

Tgt Ion: 117 Resp: 742100
Ion Ratio Lower Upper
117 100
82 55.0 45.5 68.3
119 30.6 23.8 35.8

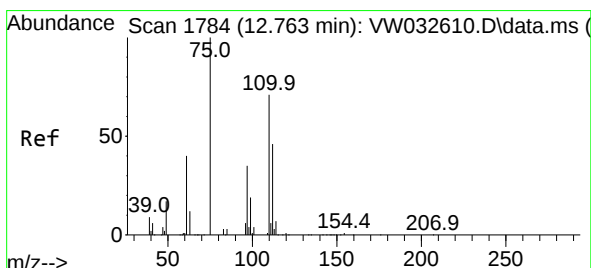
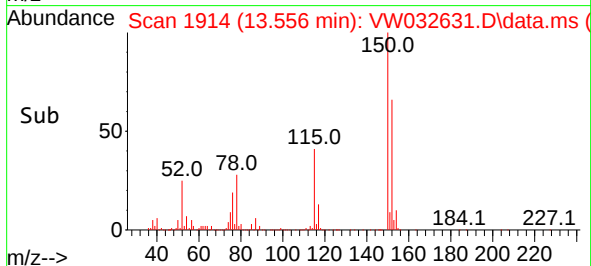
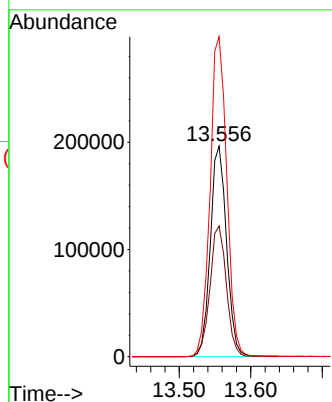
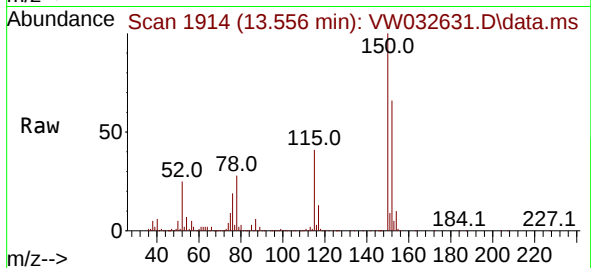




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032631.D
 Acq: 11 Dec 2025 14:38

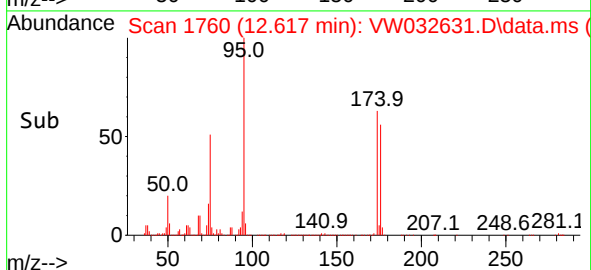
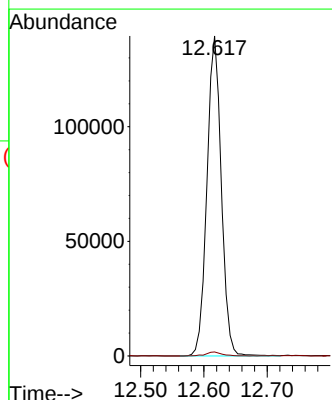
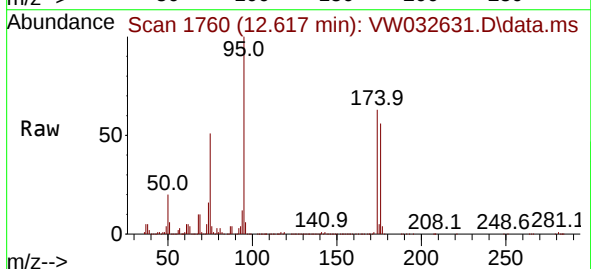
Instrument :
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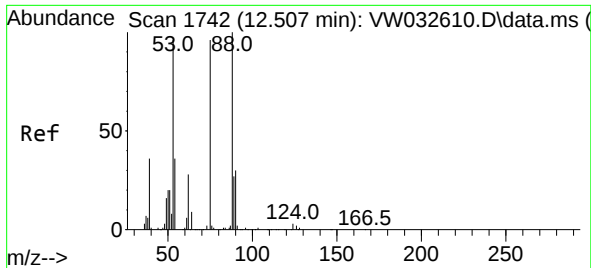
Tgt Ion:152 Resp: 309671
 Ion Ratio Lower Upper
 152 100
 115 63.1 33.8 101.3
 150 156.7 0.0 369.4



#76
 1,2,3-Trichloropropane
 Concen: 53.007 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032631.D
 Acq: 11 Dec 2025 14:38

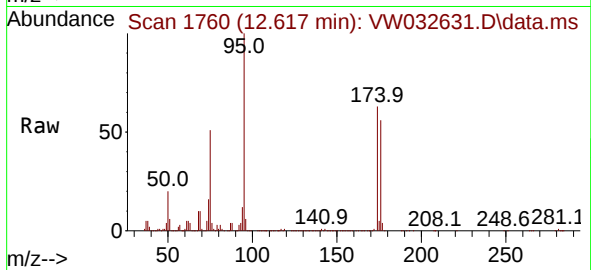
Tgt Ion: 75 Resp: 220265
 Ion Ratio Lower Upper
 75 100
 77 1.4 154.0 462.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 103.955 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032631.D
Acq: 11 Dec 2025 14:38

Instrument :
MSVOA_W
ClientSampleId :
TP-14



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	86.1	129.1#
89	0.1	37.4	56.2#

