

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032624.D
 Acq On : 11 Dec 2025 12:05
 Operator : SY/MD
 Sample : Q3814-05
 Misc : 4.73g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-7

Quant Time: Dec 12 00:42:15 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	7.965	168	512391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	1013277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	886574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	382359	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	289632	36.912	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	73.820%
35) Dibromofluoromethane	7.898	113	226284	32.563	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	65.120%#
50) Toluene-d8	10.325	98	809769	31.140	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	62.280%#
62) 4-Bromofluorobenzene	12.617	95	272970	28.591	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	57.180%

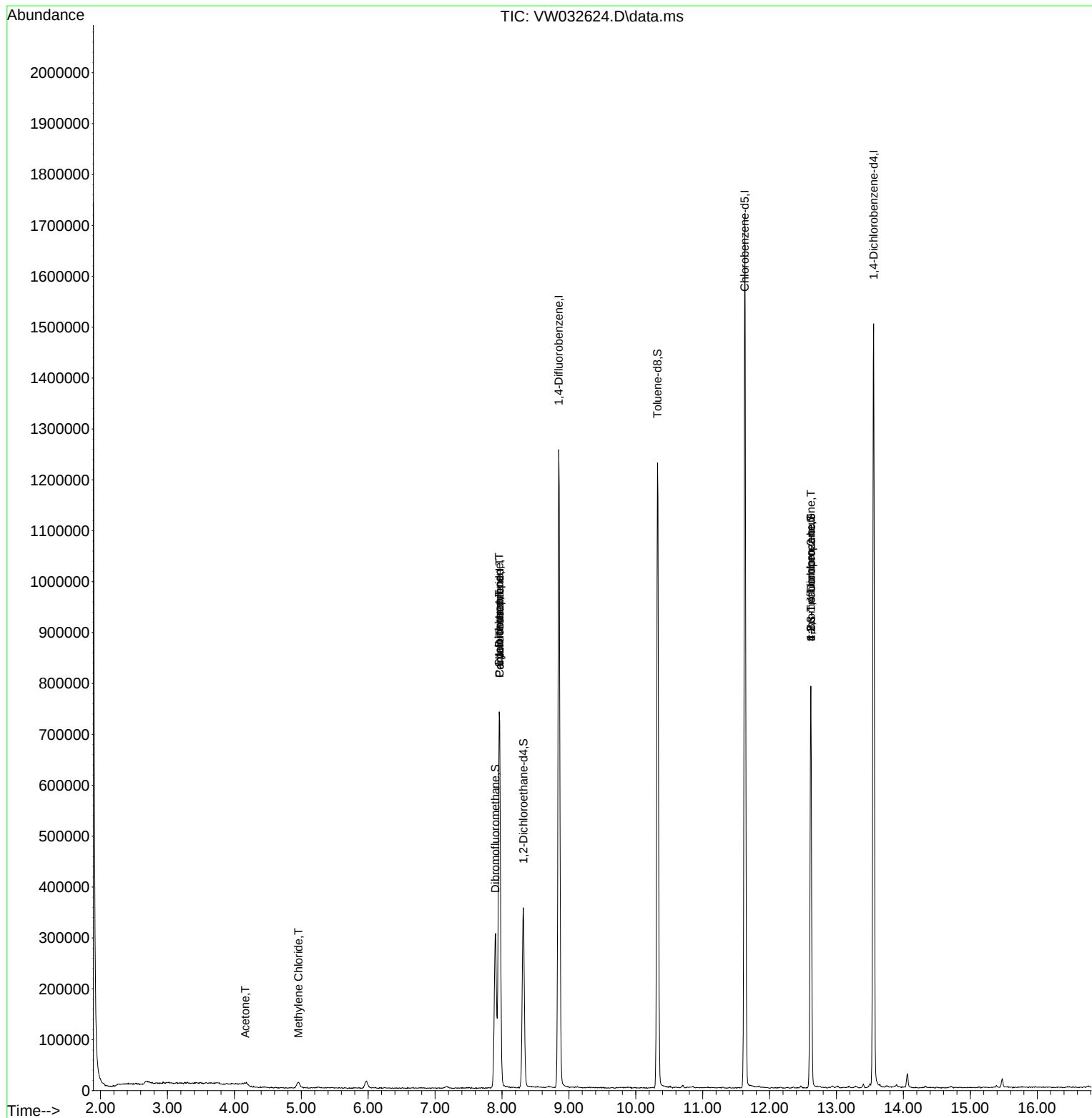
Target Compounds						Qvalue
16) Acetone	4.161	43	5730	2.135	ug/l	96
20) Methylene Chloride	4.960	84	8986	1.097	ug/l	95
31) Cyclohexane	7.959	56	13394	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	49743	4.768	ug/l #	51
38) Carbon Tetrachloride	7.965	117	58223	6.034	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.977	63	78	Below Cal		96
76) 1,2,3-Trichloropropane	12.617	75	138927	27.077	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	138927	64.926	ug/l #	7
95) Naphthalene	15.360	128	1017	Below Cal	#	95

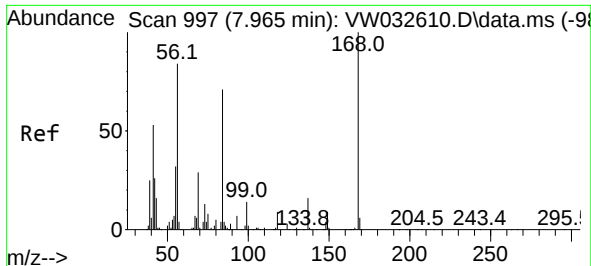
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 12 00:42:15 2025
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Quant Title : SW846 8260
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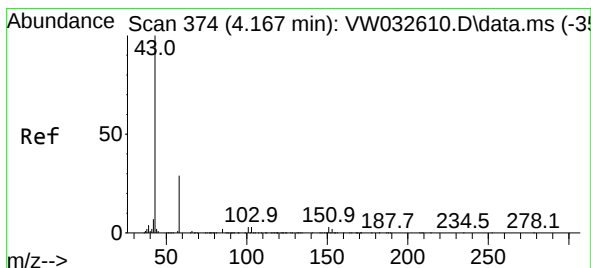
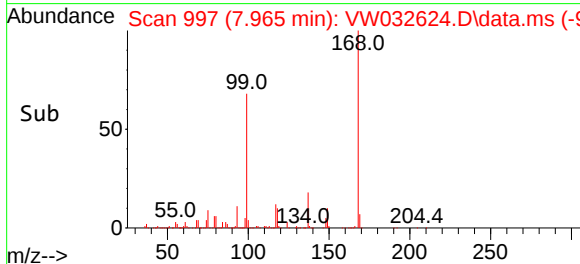
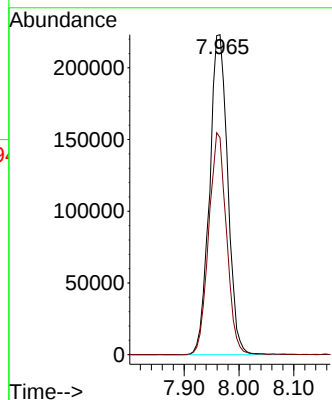
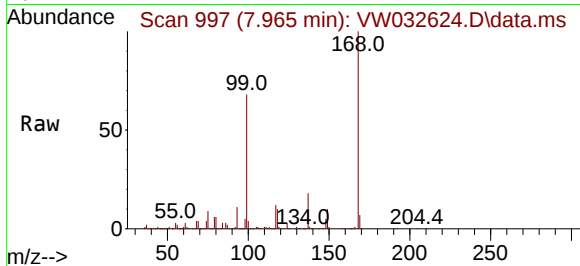




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

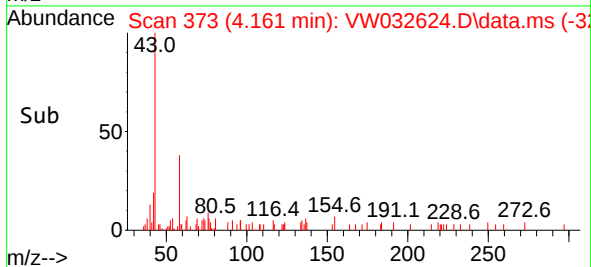
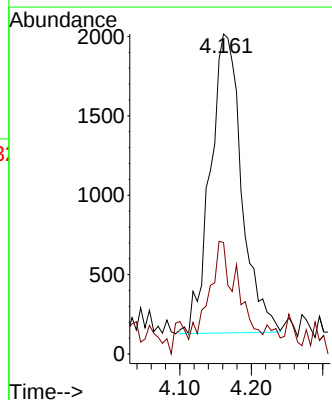
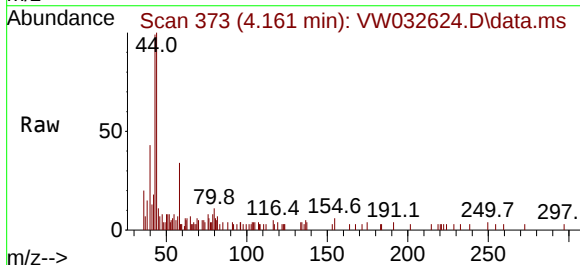
Instrument :
MSVOA_W
ClientSampleId :
TP-7

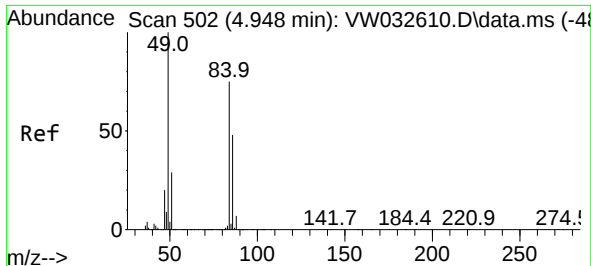
Tgt Ion:168 Resp: 512391
Ion Ratio Lower Upper
168 100
99 67.9 47.8 71.8



#16
Acetone
Concen: 2.135 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

Tgt Ion: 43 Resp: 5730
Ion Ratio Lower Upper
43 100
58 32.2 23.9 35.9

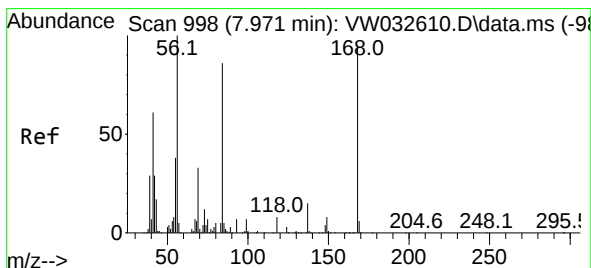
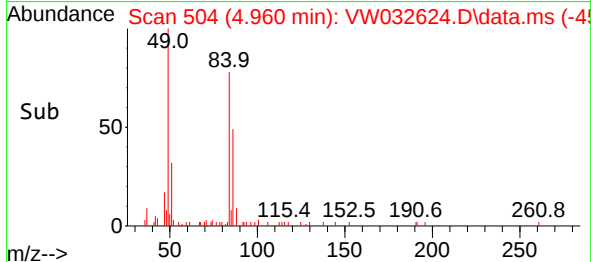
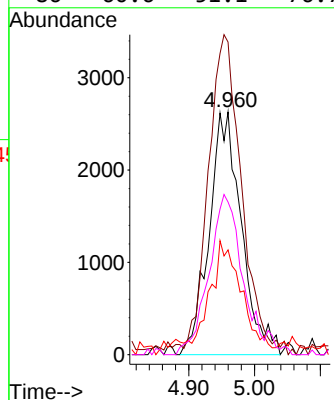
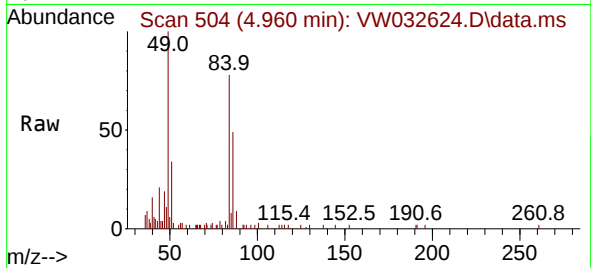




#20
Methylene Chloride
Concen: 1.097 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.012 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

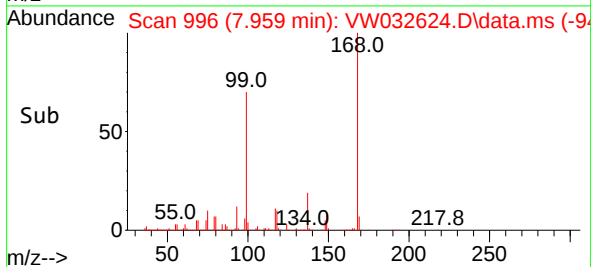
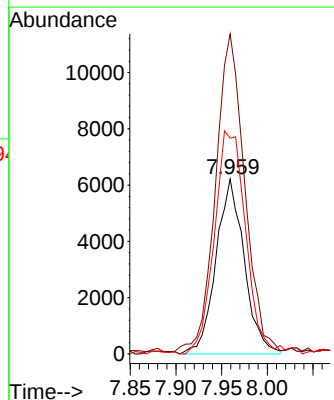
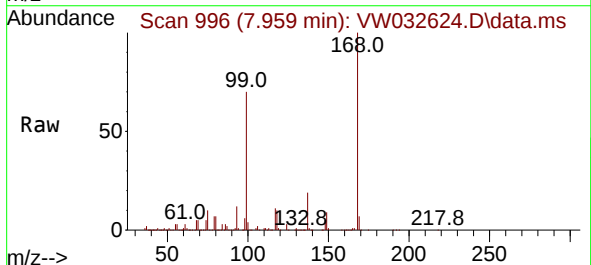
Instrument :
MSVOA_W
ClientSampleId :
TP-7

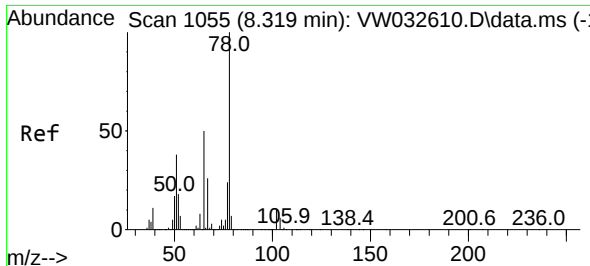
Tgt Ion:	84	Resp:	8986
Ion	Ratio	Lower	Upper
84	100		
49	125.7	106.9	160.3
51	38.6	31.4	47.2
86	60.6	51.1	76.7



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

Tgt Ion:	56	Resp:	13394
Ion	Ratio	Lower	Upper
56	100		
69	181.2	26.2	39.2#
84	122.5	68.9	103.3#

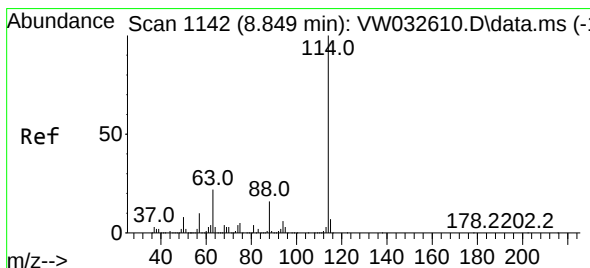
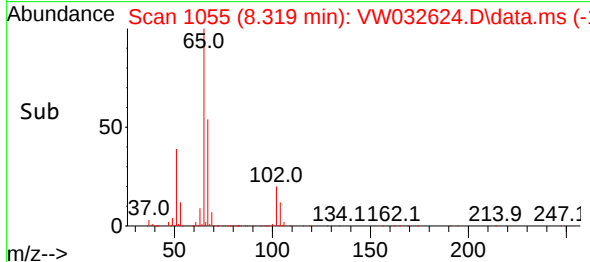
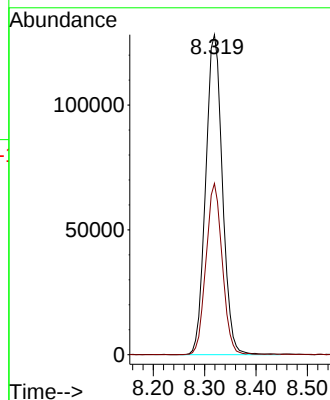
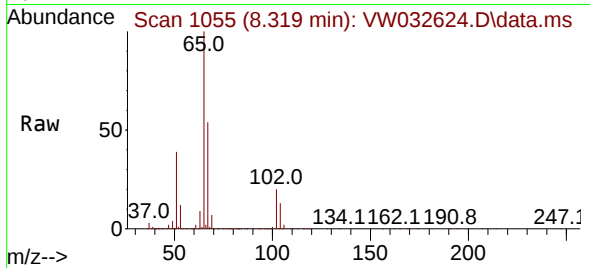




#33
 1,2-Dichloroethane-d4
 Concen: 36.912 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032624.D
 Acq: 11 Dec 2025 12:05

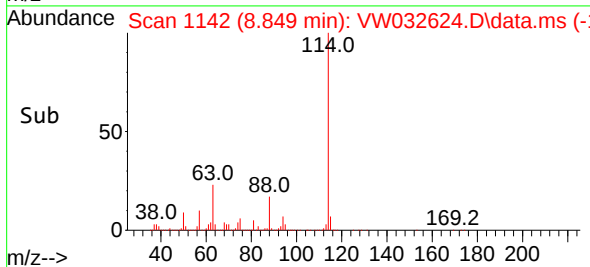
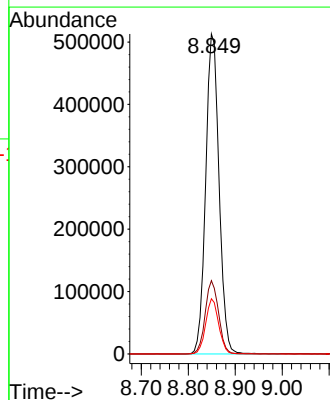
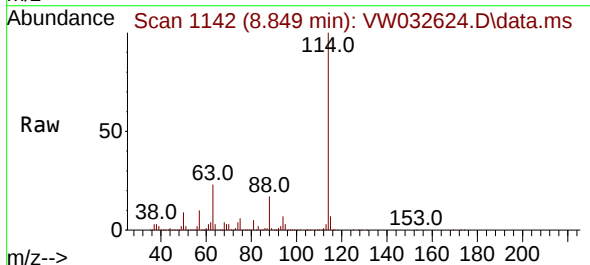
Instrument :
 MSVOA_W
 ClientSampleId :
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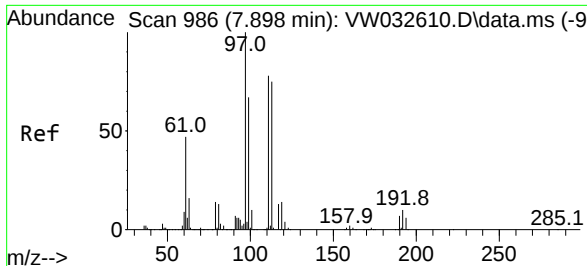
Tgt Ion: 65 Resp: 289632
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032624.D
 Acq: 11 Dec 2025 12:05

Tgt Ion: 114 Resp: 1013277
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.6
 88 17.2 0.0 31.8

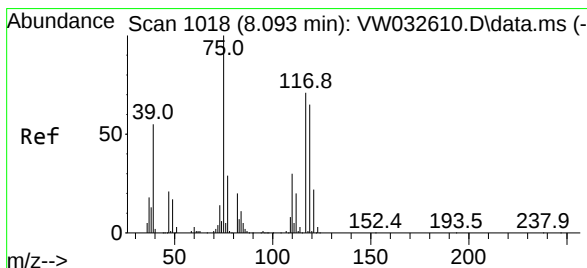
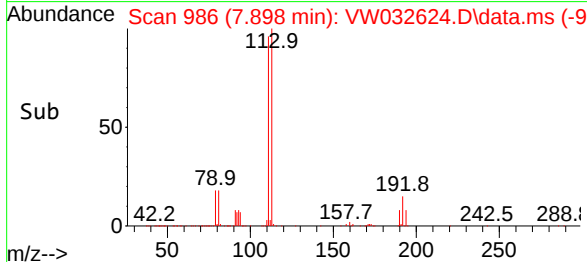
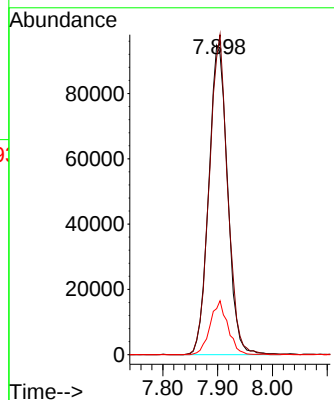
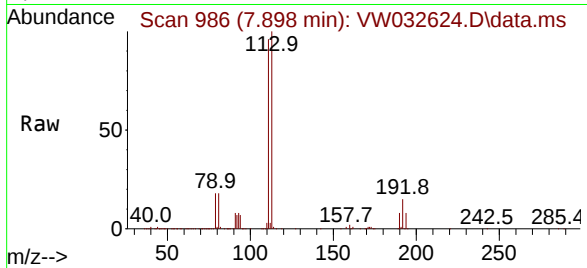




#35
Dibromofluoromethane
Concen: 32.563 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

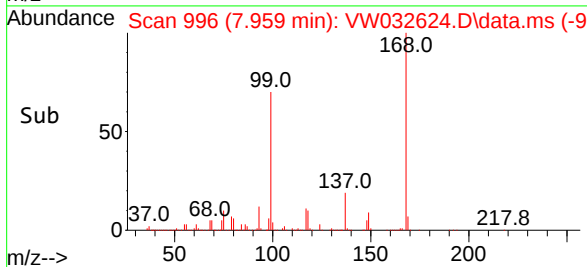
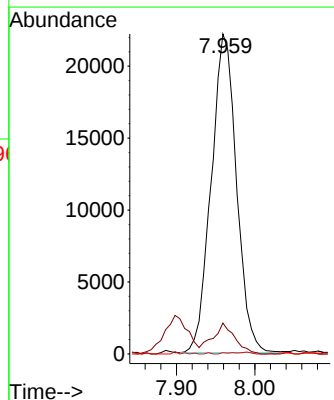
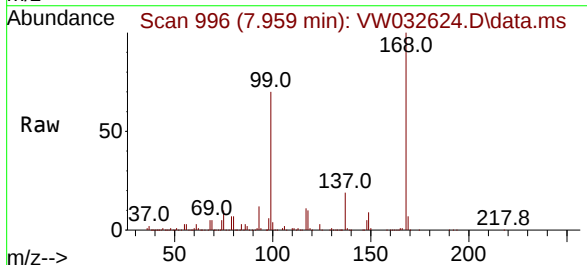
Instrument :
MSVOA_W
ClientSampleId :
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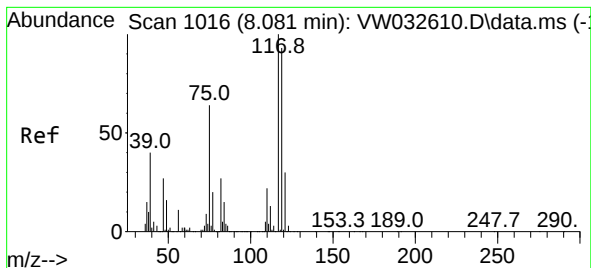
Tgt Ion:113 Resp: 226284
Ion Ratio Lower Upper
113 100
111 101.0 85.2 127.8
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.768 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

Tgt Ion: 75 Resp: 49743
Ion Ratio Lower Upper
75 100
110 8.6 16.3 48.9#
77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.034 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032624.D

Acq: 11 Dec 2025 12:05

Instrument :

MSVOA_W

ClientSampleId :

TP-7

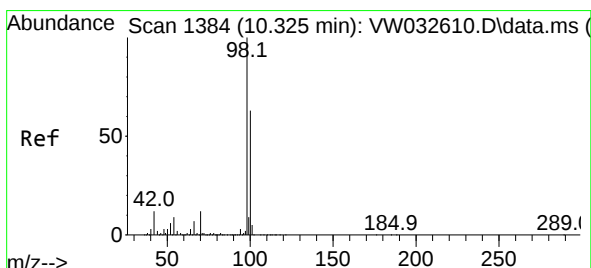
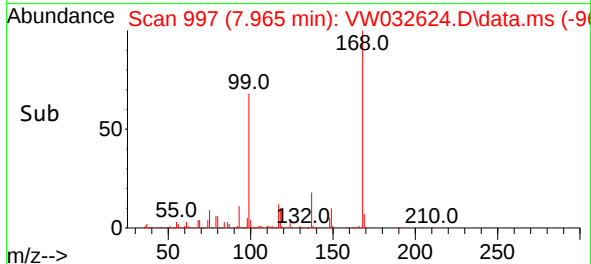
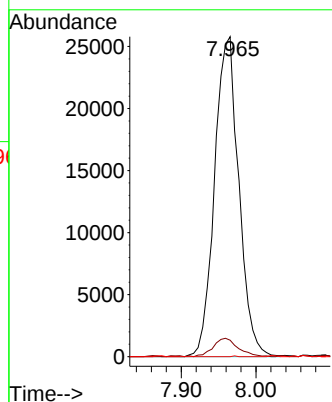
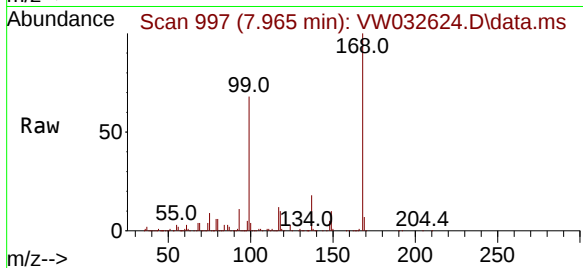
Tgt Ion:117 Resp: 58223

Ion Ratio Lower Upper

117 100

119 4.9 74.3 111.5#

121 0.0 23.6 35.4#



#50

Toluene-d8

Concen: 31.140 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032624.D

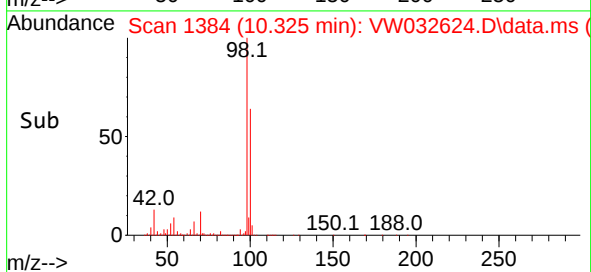
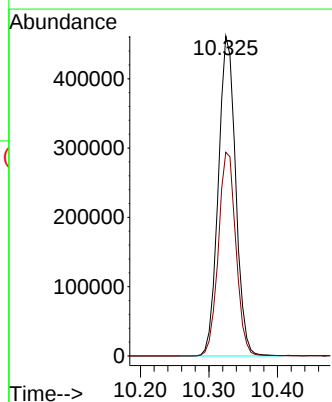
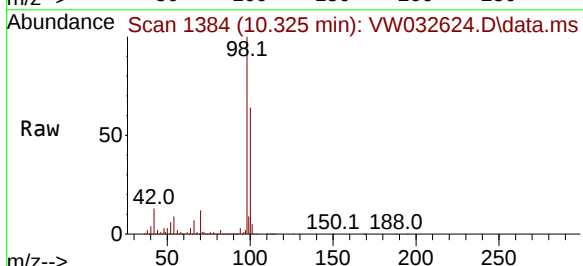
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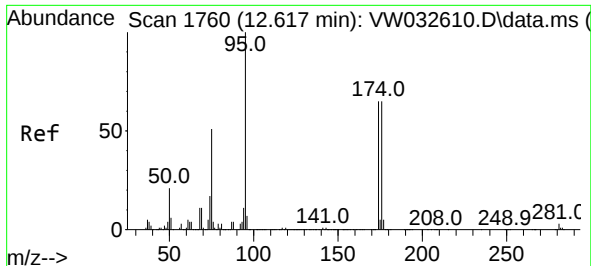
Tgt Ion: 98 Resp: 809769

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2

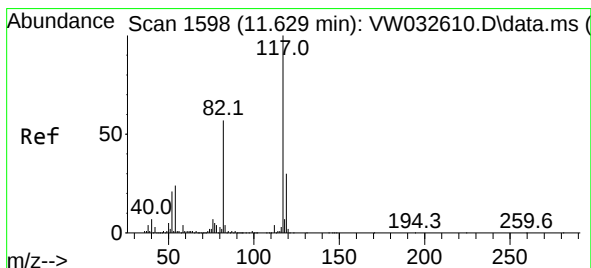
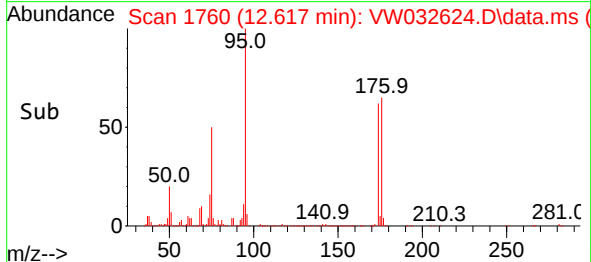
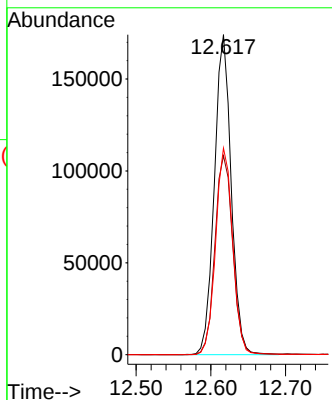
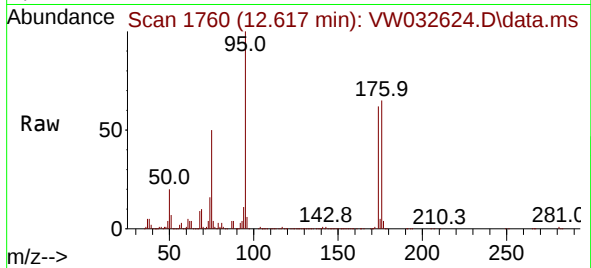




#62
4-Bromofluorobenzene
Concen: 28.591 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

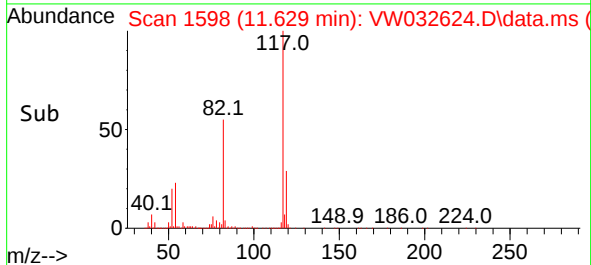
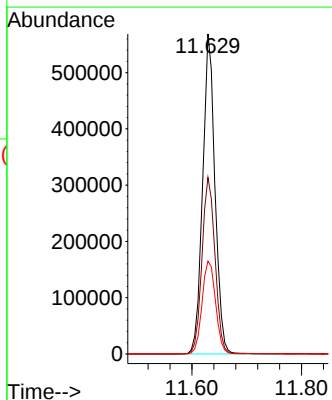
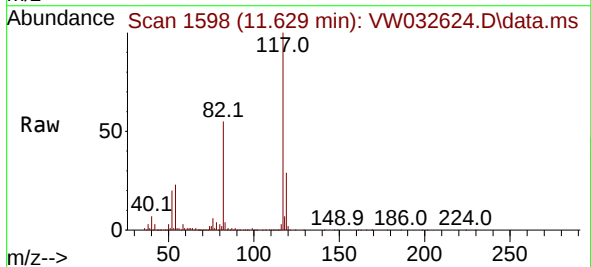
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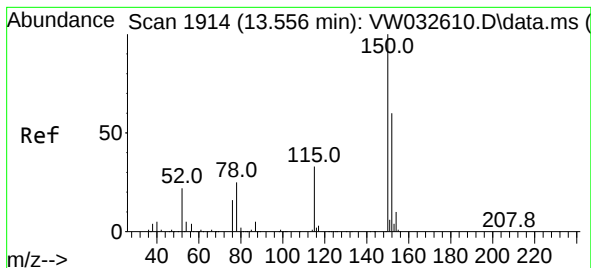
Tgt Ion: 95 Resp: 272970
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.0
176 65.5 0.0 123.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

Tgt Ion: 117 Resp: 886574
Ion Ratio Lower Upper
117 100
82 55.2 45.5 68.3
119 29.0 23.8 35.8

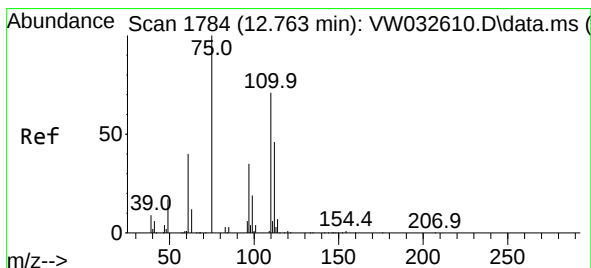
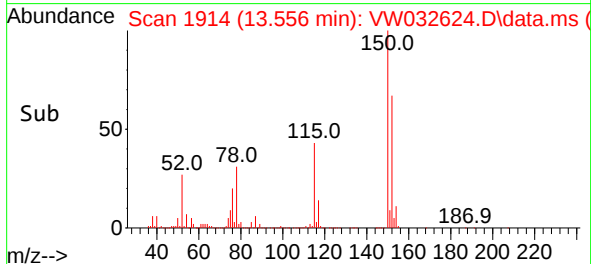
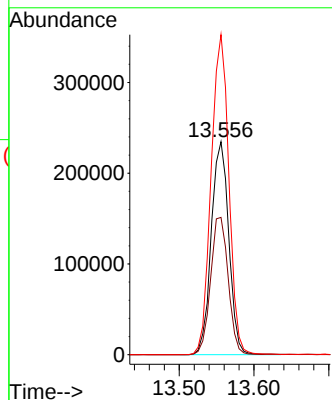
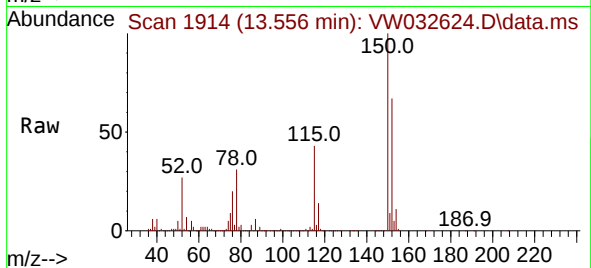




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

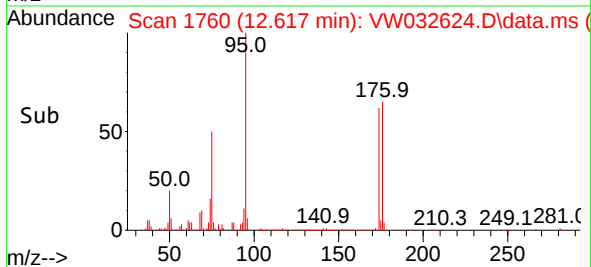
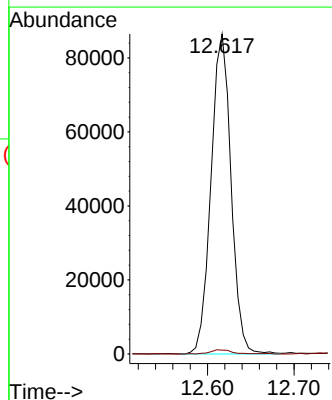
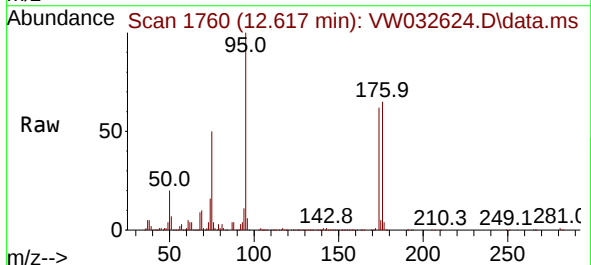
Instrument :
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ClientSampleId :
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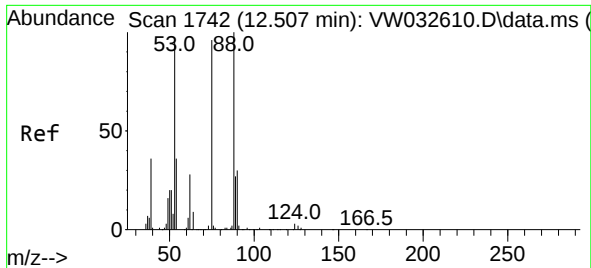
Tgt Ion:152 Resp: 382359
Ion Ratio Lower Upper
152 100
115 64.9 33.8 101.3
150 151.8 0.0 369.4



#76
1,2,3-Trichloropropane
Concen: 27.077 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

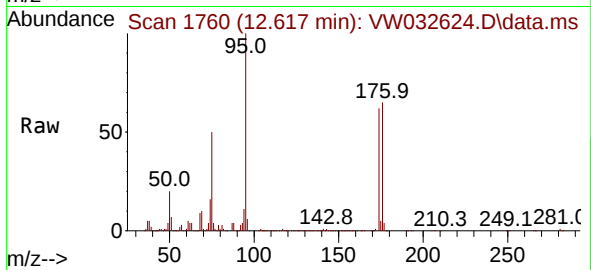
Tgt Ion: 75 Resp: 138927
Ion Ratio Lower Upper
75 100
77 1.5 154.0 462.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 64.926 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032624.D
Acq: 11 Dec 2025 12:05

Instrument :
MSVOA_W
ClientSampleId :
TP-7



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.6	86.1	129.1#
89	0.1	37.4	56.2#

