

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032625.D
 Acq On : 11 Dec 2025 12:27
 Operator : SY/MD
 Sample : Q3814-07
 Misc : 4.03g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8

Quant Time: Dec 12 00:42:33 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)

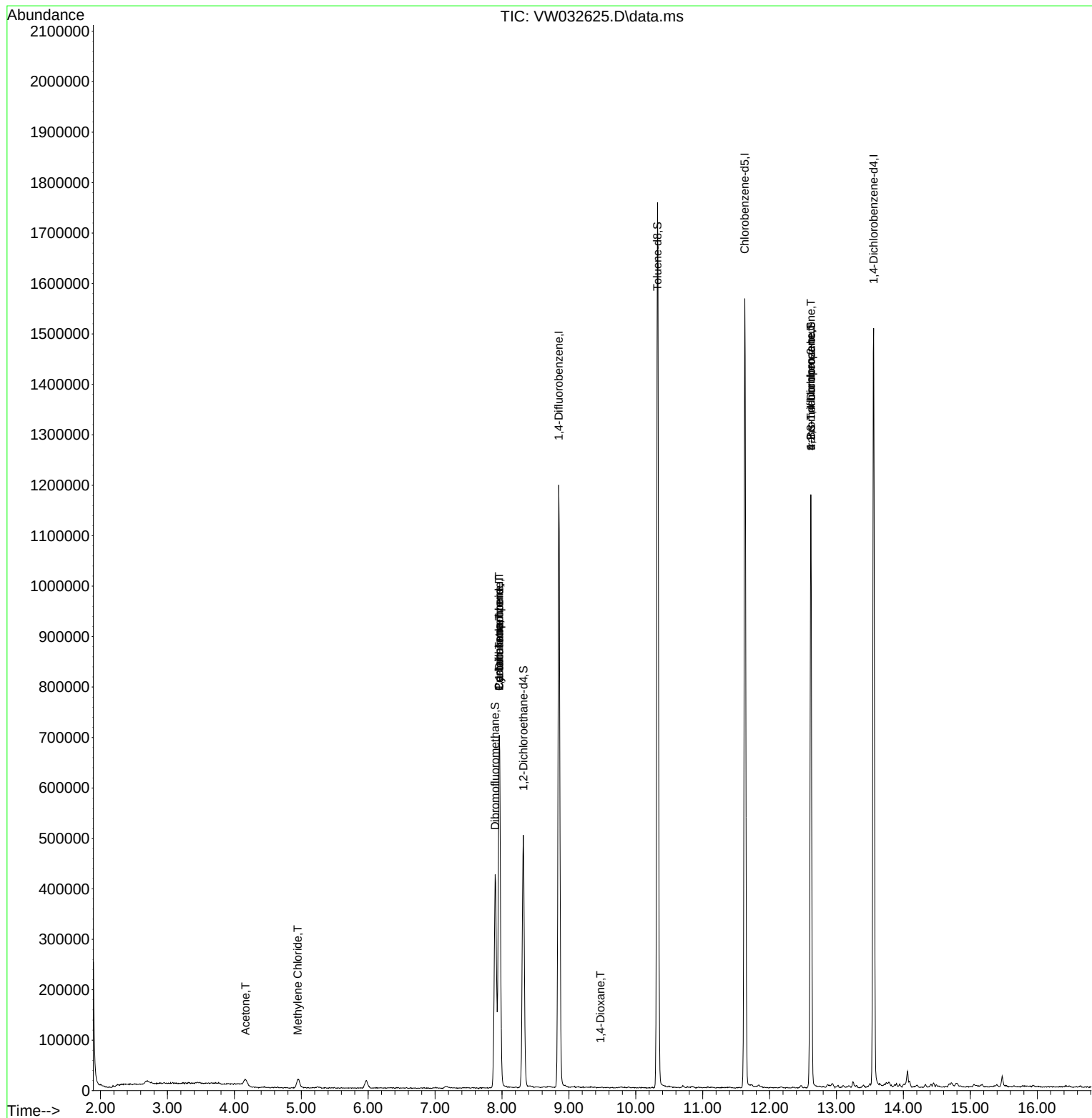
Internal Standards						
1) Pentafluorobenzene	7.959	168	489838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	950686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	835122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	383290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	403055	52.172	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 104.340%	
35) Dibromofluoromethane	7.898	113	307296	45.659	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 91.320%	
50) Toluene-d8	10.324	98	1143742	46.878	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 93.760%	
62) 4-Bromofluorobenzene	12.617	95	406578	45.389	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 90.780%	
Target Compounds						Qvalue
16) Acetone	4.167	43	19257	7.504	ug/l	97
20) Methylene Chloride	4.947	84	14542	1.856	ug/l	93
31) Cyclohexane	7.959	56	13196	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	46144	4.714	ug/l #	50
38) Carbon Tetrachloride	7.959	117	55163	6.093	ug/l #	17
49) 1,4-Dioxane	9.471	88	74	1.253	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.812	63	198	Below Cal		94
76) 1,2,3-Trichloropropane	12.617	75	209557	40.744	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	209557	86.977	ug/l #	7
95) Naphthalene	15.354	128	1910	Below Cal	#	91

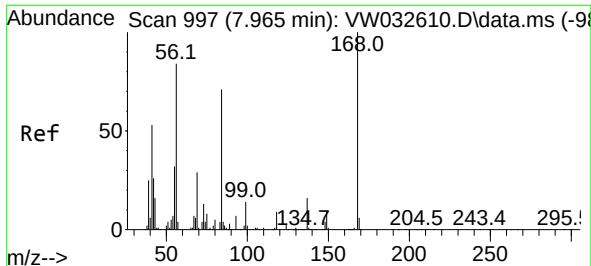
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/MD
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Misc : 4.03g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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Quant Time: Dec 12 00:42:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

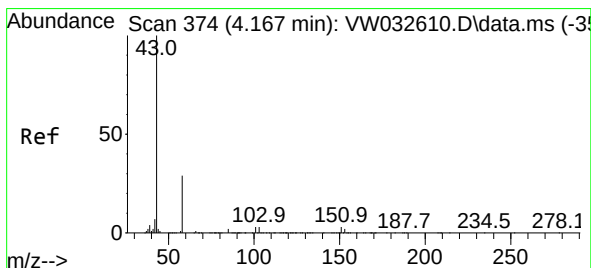
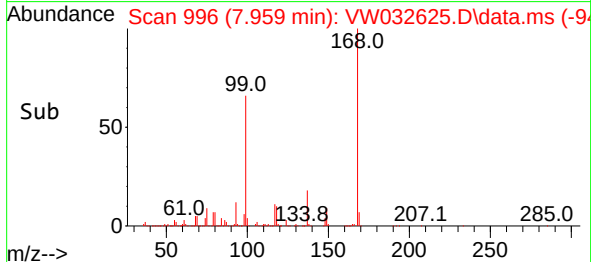
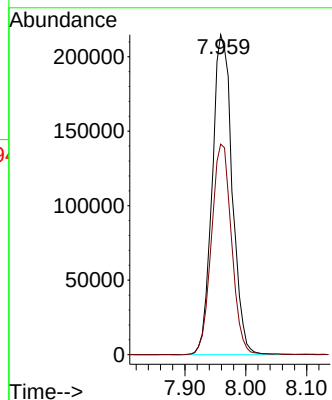
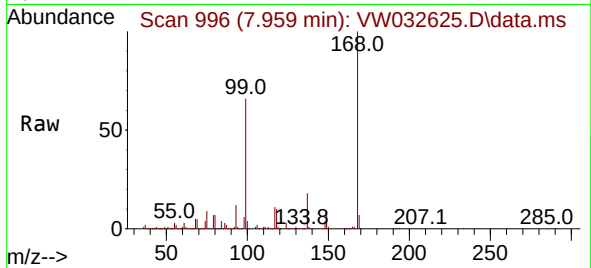




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

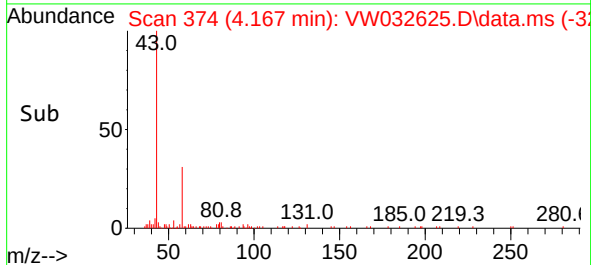
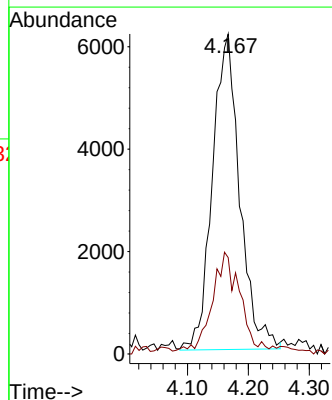
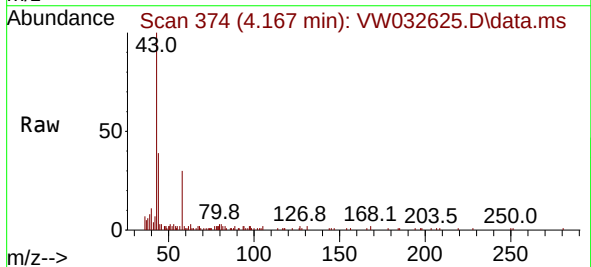
Instrument :
MSVOA_W
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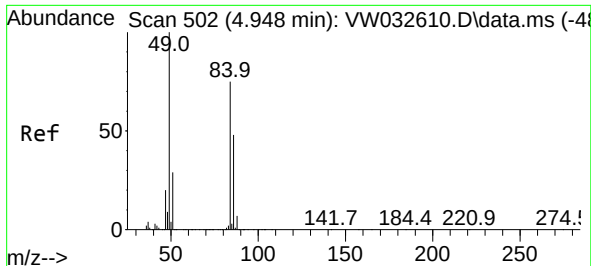
Tgt Ion:168 Resp: 489838
Ion Ratio Lower Upper
168 100
99 65.8 47.8 71.8



#16
Acetone
Concen: 7.504 ug/l
RT: 4.167 min Scan# 374
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion: 43 Resp: 19257
Ion Ratio Lower Upper
43 100
58 28.2 23.9 35.9

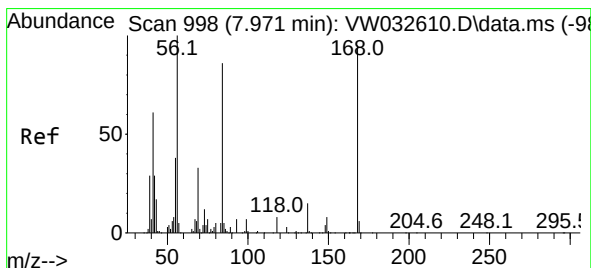
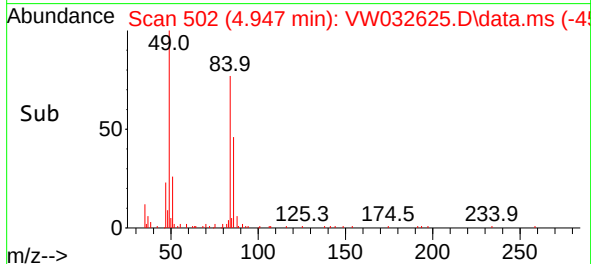
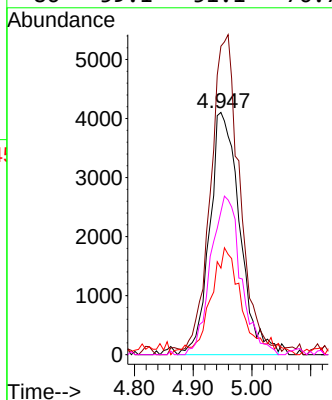
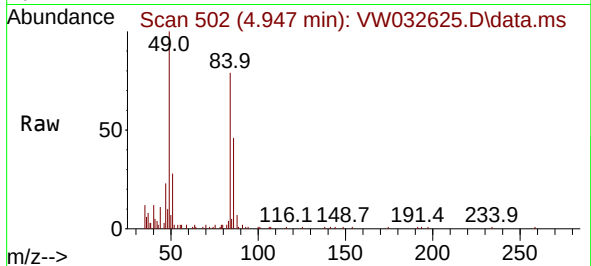




#20
Methylene Chloride
Concen: 1.856 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

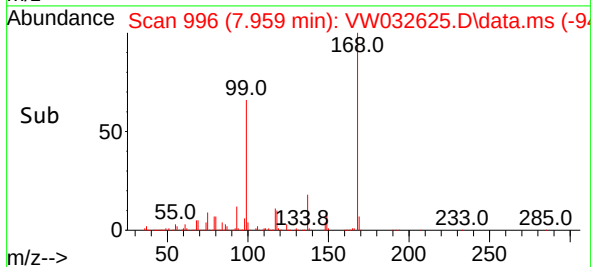
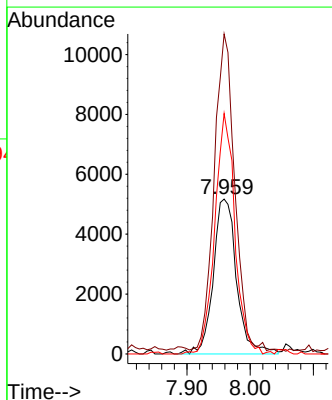
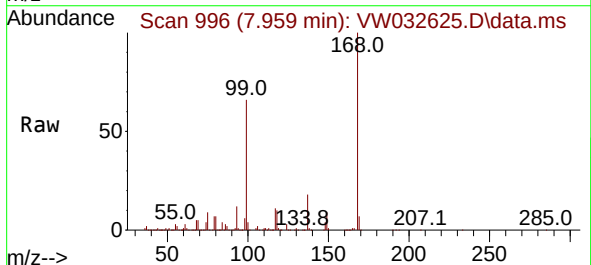
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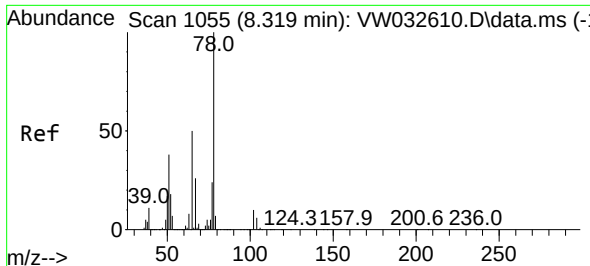
Tgt Ion:	84	Resp:	14542
Ion	Ratio	Lower	Upper
84	100		
49	125.0	106.9	160.3
51	33.7	31.4	47.2
86	59.1	51.1	76.7



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.013 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion:	56	Resp:	13196
Ion	Ratio	Lower	Upper
56	100		
69	203.8	26.2	39.2#
84	155.3	68.9	103.3#

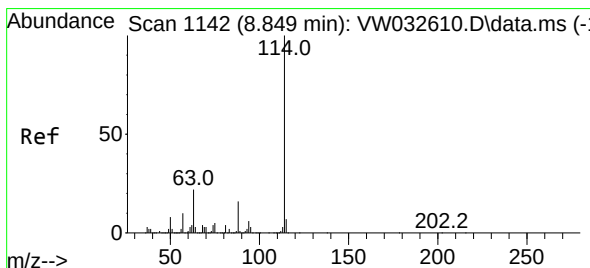
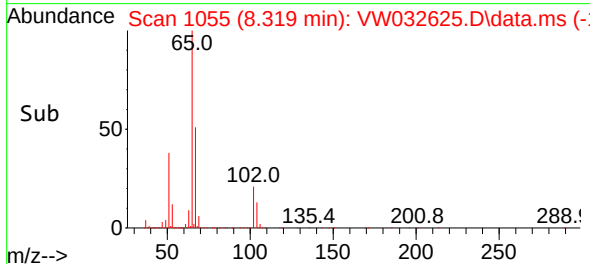
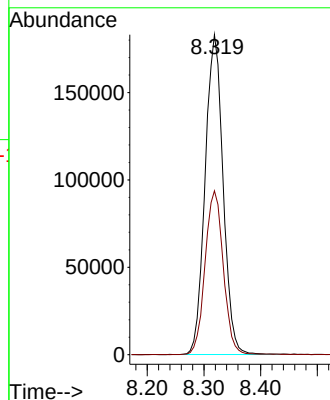
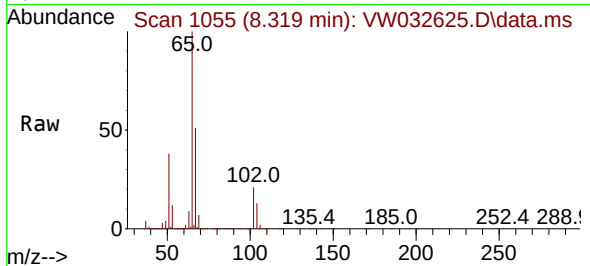




#33
 1,2-Dichloroethane-d4
 Concen: 52.172 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032625.D
 Acq: 11 Dec 2025 12:27

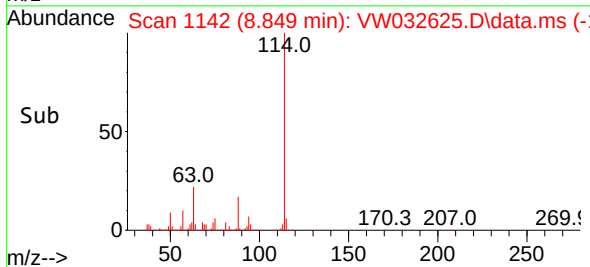
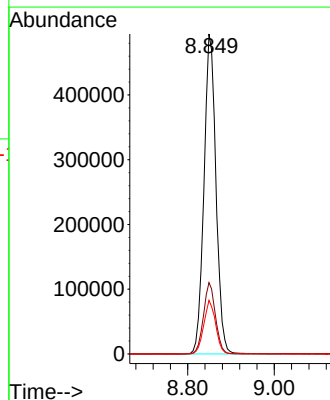
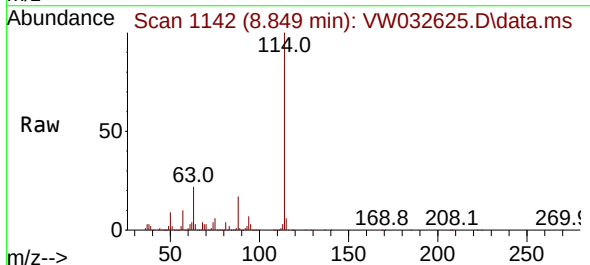
Instrument :
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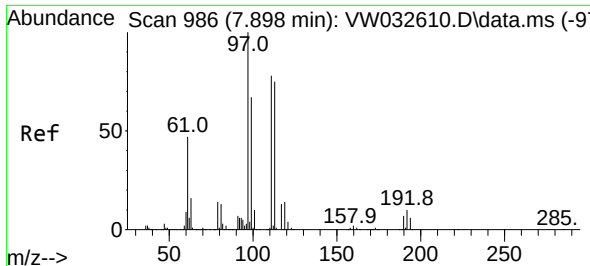
Tgt Ion: 65 Resp: 403055
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032625.D
 Acq: 11 Dec 2025 12:27

Tgt Ion: 114 Resp: 950686
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.6
 88 16.7 0.0 31.8

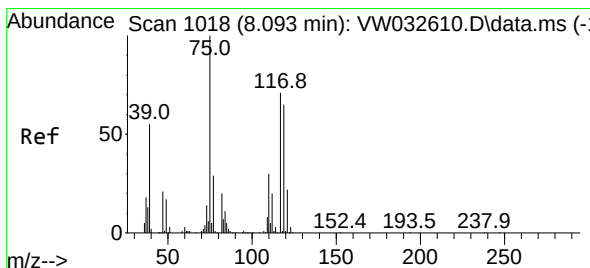
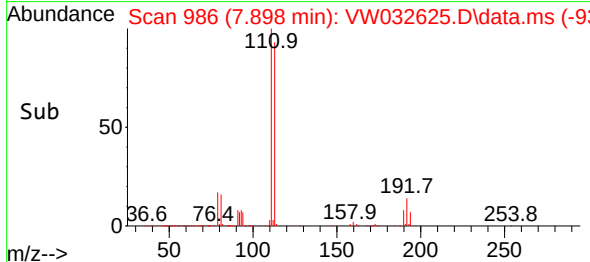
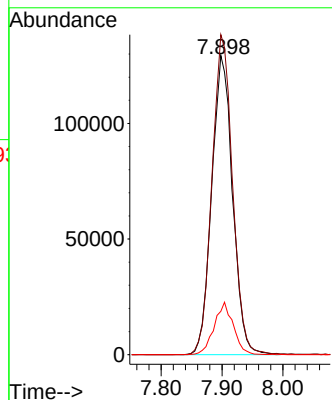
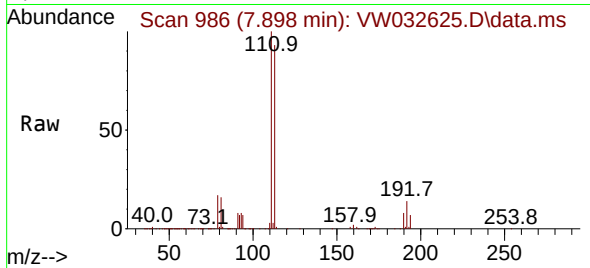




#35
Dibromofluoromethane
Concen: 45.659 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

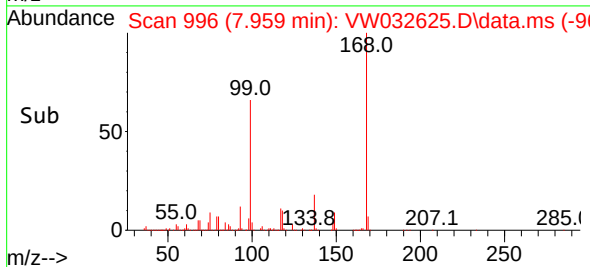
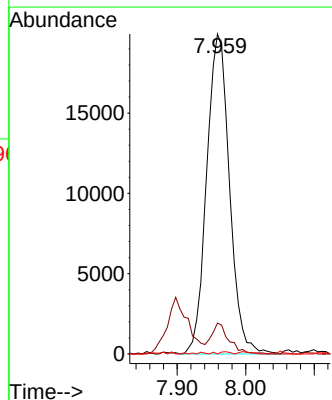
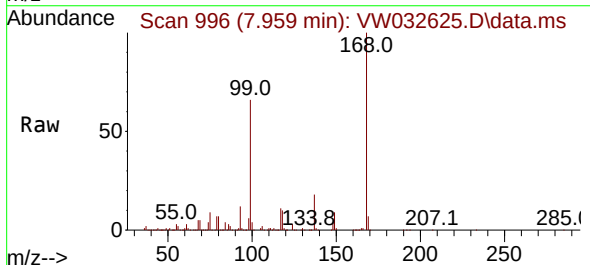
Instrument :
MSVOA_W
ClientSampleId :
TP-8

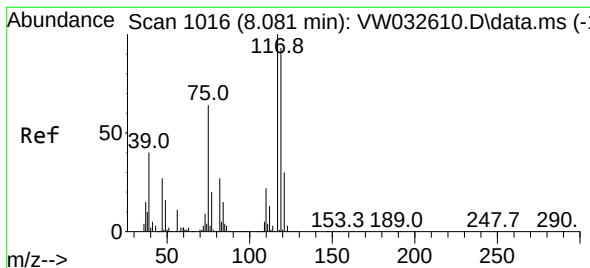
Tgt Ion:113 Resp: 307296
Ion Ratio Lower Upper
113 100
111 105.7 85.2 127.8
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion: 75 Resp: 46144
Ion Ratio Lower Upper
75 100
110 7.4 16.3 48.9#
77 0.4 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.093 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032625.D

Acq: 11 Dec 2025 12:27

Instrument :

MSVOA_W

ClientSampleId :

TP-8

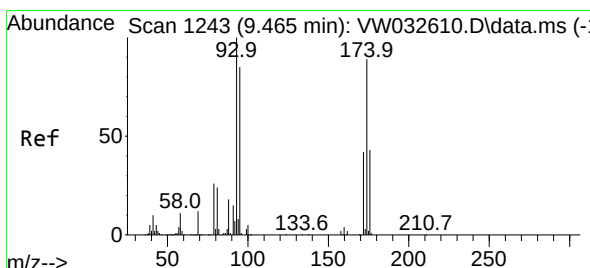
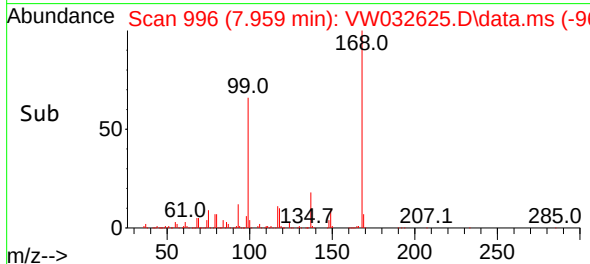
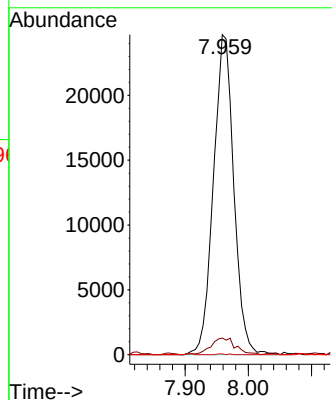
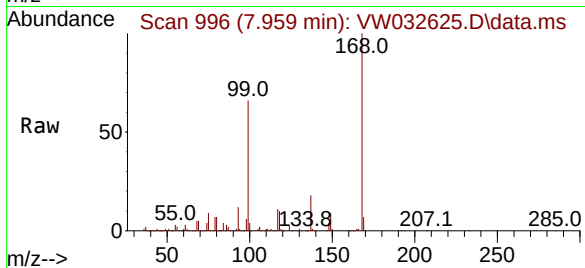
Tgt Ion:117 Resp: 55163

Ion Ratio Lower Upper

117 100

119 5.2 74.3 111.5#

121 0.2 23.6 35.4#



#49

1,4-Dioxane

Concen: 1.253 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032625.D

Acq: 11 Dec 2025 12:27

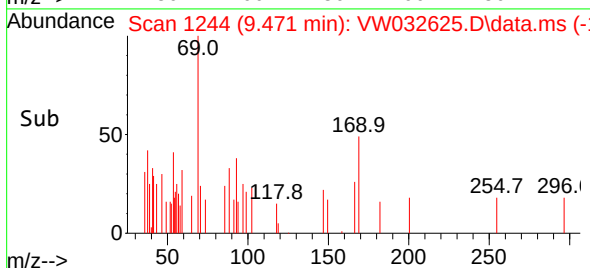
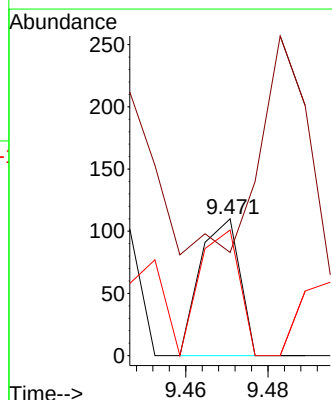
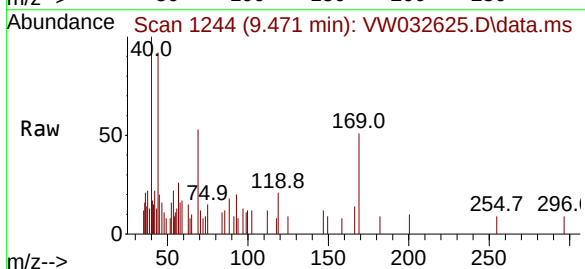
Tgt Ion: 88 Resp: 74

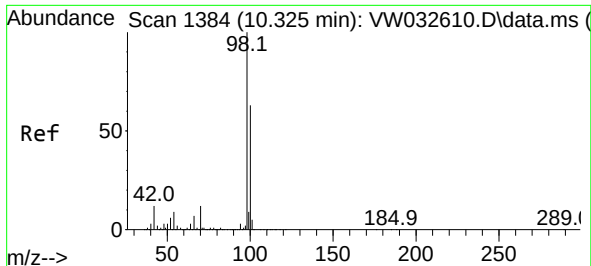
Ion Ratio Lower Upper

88 100

43 355.4 0.0 0.0#

58 91.9 63.8 95.8

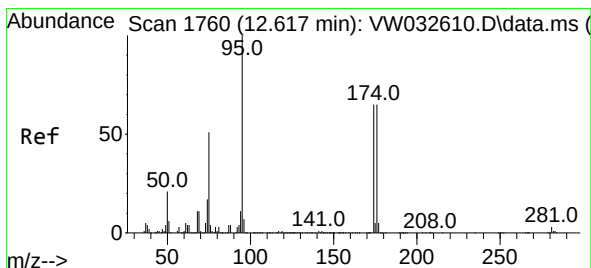
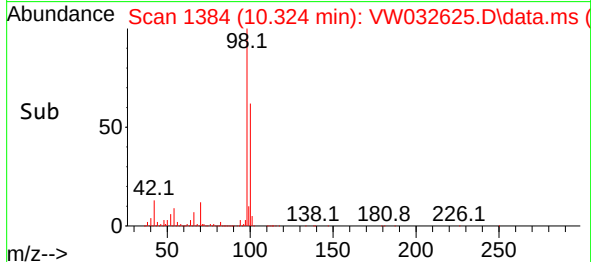
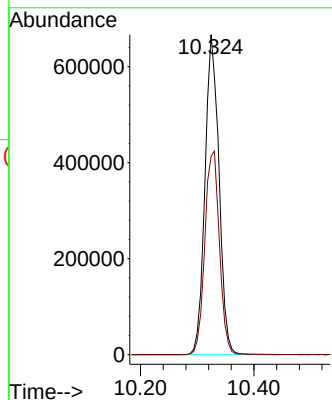
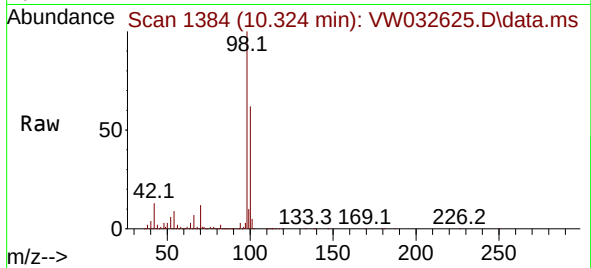




#50
Toluene-d8
Concen: 46.878 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

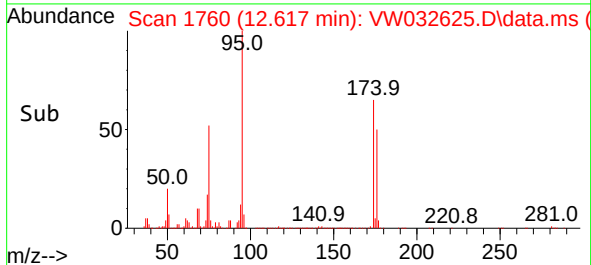
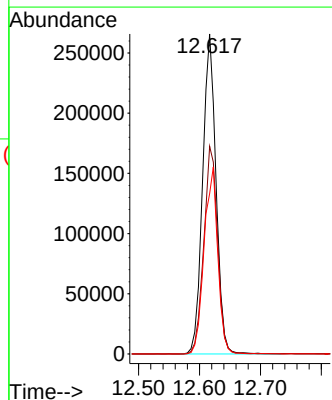
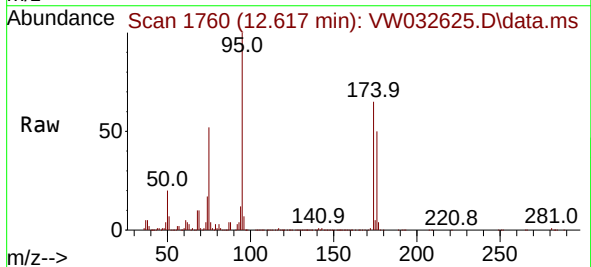
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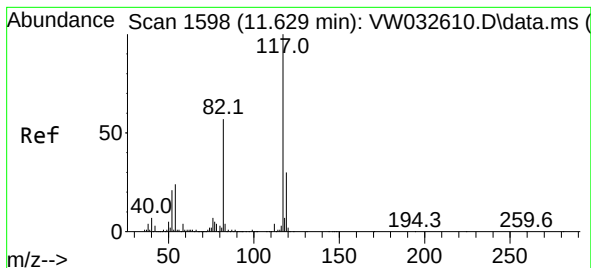
Tgt Ion: 98 Resp: 1143742
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.389 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion: 95 Resp: 406578
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.0
176 59.5 0.0 123.4

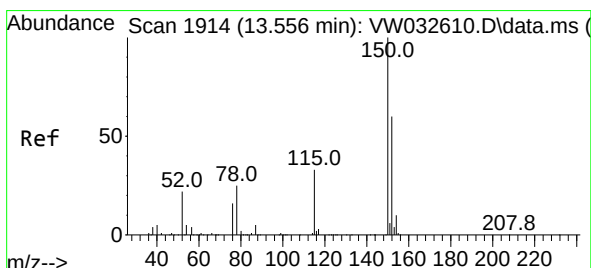
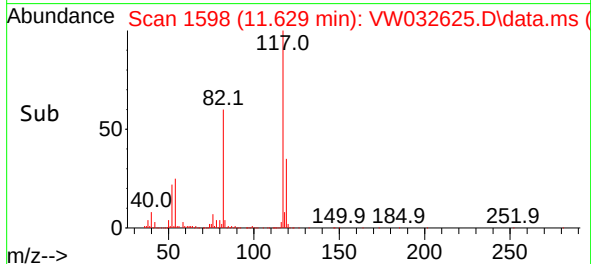
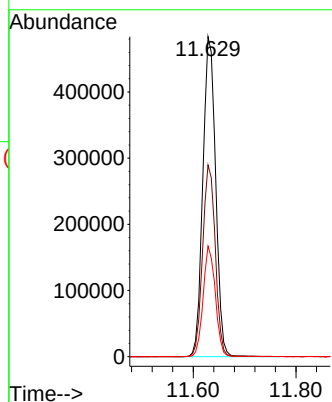
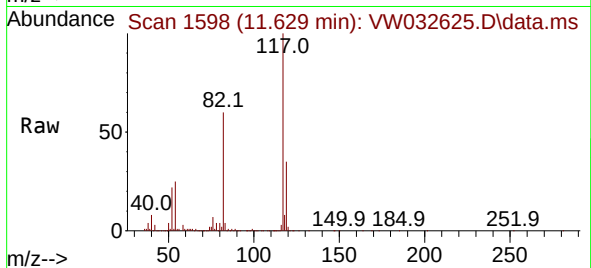




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

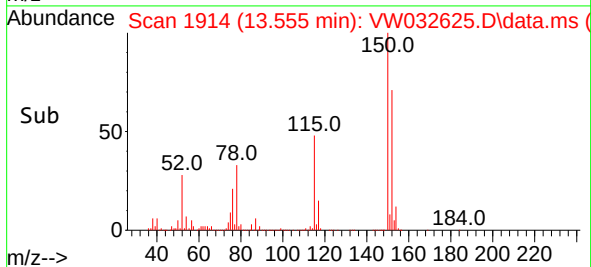
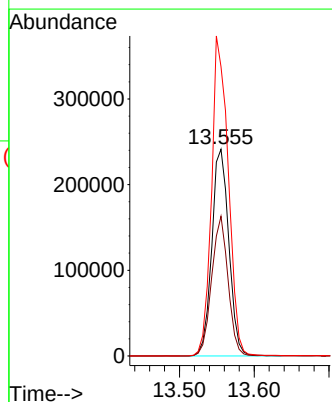
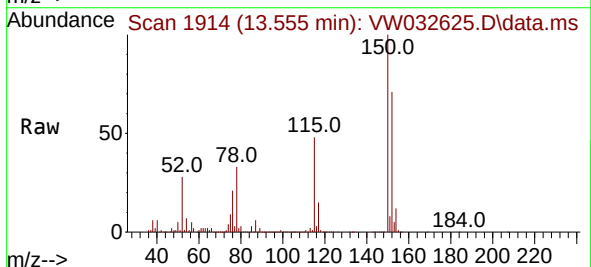
Instrument :
MSVOA_W
ClientSampleId :
TP-8

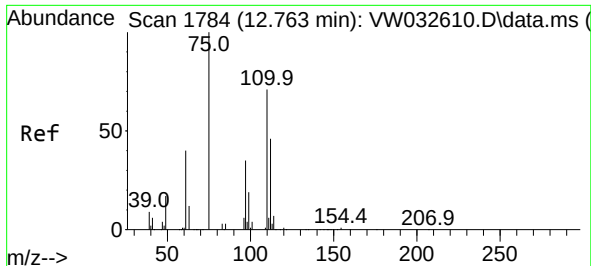
Tgt Ion:117 Resp: 835122
Ion Ratio Lower Upper
117 100
82 59.9 45.5 68.3
119 34.5 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion:152 Resp: 383290
Ion Ratio Lower Upper
152 100
115 65.0 33.8 101.3
150 151.9 0.0 369.4

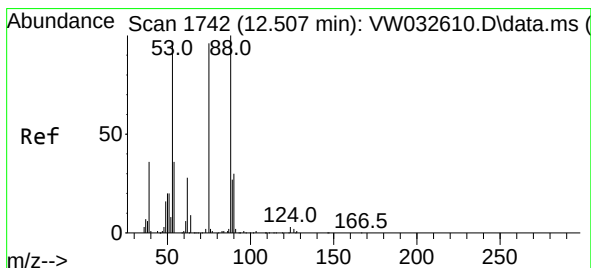
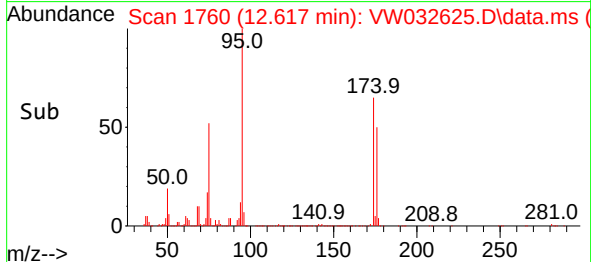
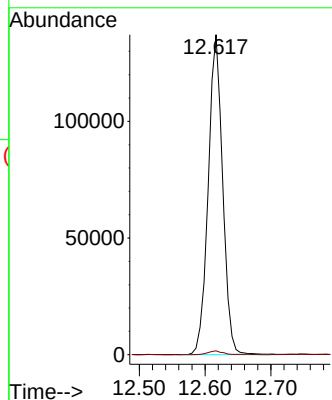
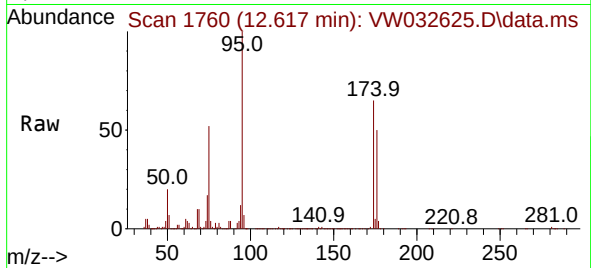




#76
1,2,3-Trichloropropane
Concen: 40.744 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Instrument :
MSVOA_W
ClientSampleId :
TP-8

Tgt Ion: 75 Resp: 209557
Ion Ratio Lower Upper
75 100
77 1.2 154.0 462.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.977 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.109 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion: 75 Resp: 209557
Ion Ratio Lower Upper
75 100
53 0.2 86.1 129.1#
89 0.0 37.4 56.2#

