

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032629.D
 Acq On : 11 Dec 2025 13:54
 Operator : SY/MD
 Sample : Q3814-15
 Misc : 4.06g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4

Quant Time: Dec 12 00:43:48 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)

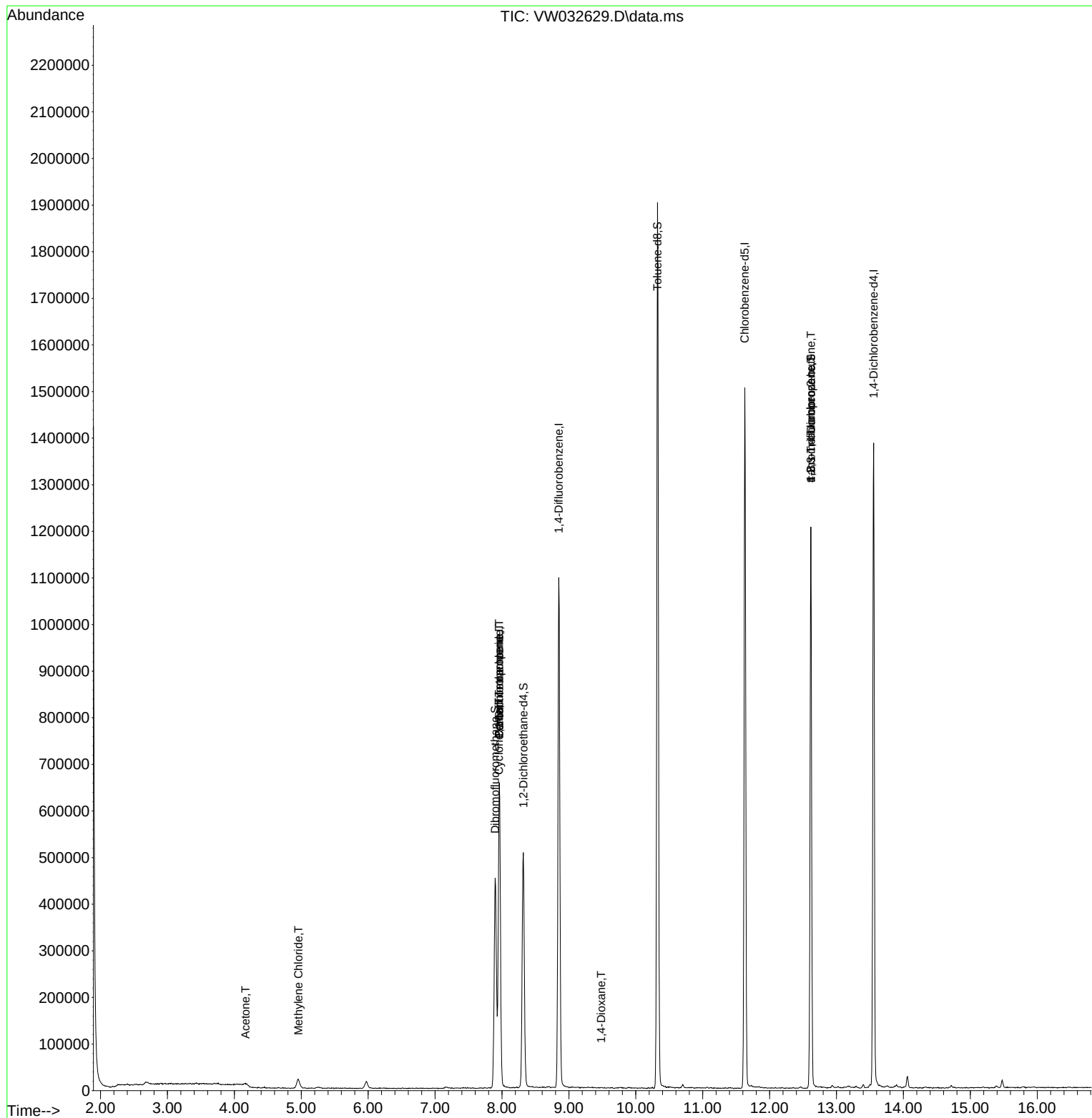
Internal Standards						
1) Pentafluorobenzene	7.959	168	446893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	891925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	788965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	345758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	417019	58.708	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 117.420%			
35) Dibromofluoromethane	7.898	113	333297	52.271	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.540%			
50) Toluene-d8	10.325	98	1201993	52.511	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.617	95	415273	49.414	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 98.820%			
Target Compounds					Qvalue	
16) Acetone	4.167	43	5838	2.494	ug/l	98
20) Methylene Chloride	4.960	84	15579	2.180	ug/l	92
31) Cyclohexane	7.953	56	12234	1.137	ug/l #	3
36) 1,1-Dichloropropene	7.959	75	42718	4.652	ug/l #	43
38) Carbon Tetrachloride	7.959	117	50392	5.933	ug/l #	17
49) 1,4-Dioxane	9.483	88	72	1.300	ug/l #	39
58) 2-Chloroethyl Vinyl ether	9.971	63	167	Below Cal		95
76) 1,2,3-Trichloropropane	12.617	75	214550	46.242	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	214550	94.851	ug/l #	7
95) Naphthalene	15.373	128	950	Below Cal	#	89

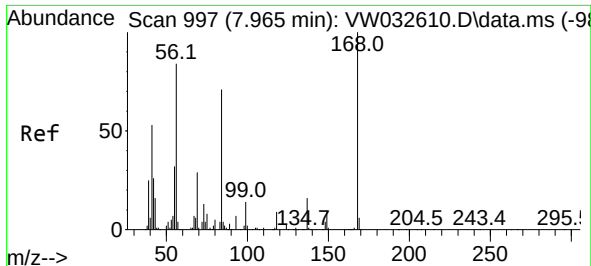
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
Data File : VW032629.D
Acq On : 11 Dec 2025 13:54
Operator : SY/MD
Sample : Q3814-15
Misc : 4.06g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4

Quant Time: Dec 12 00:43:48 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

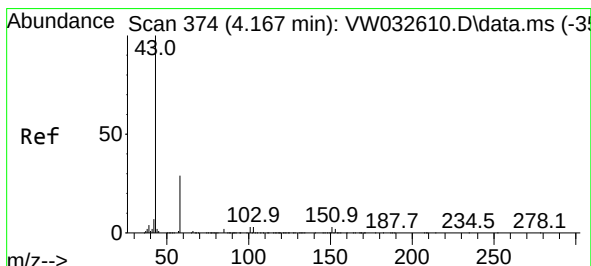
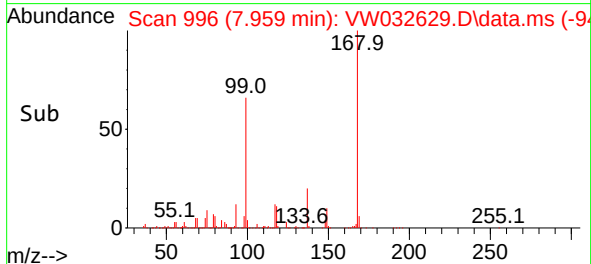
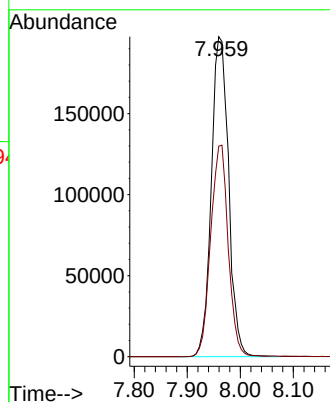
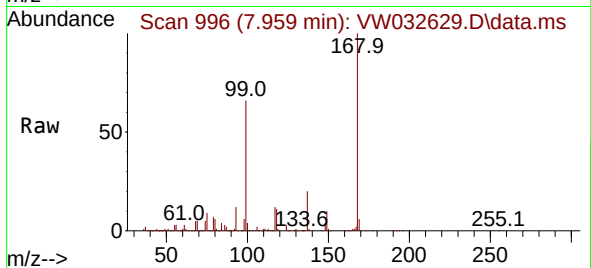




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

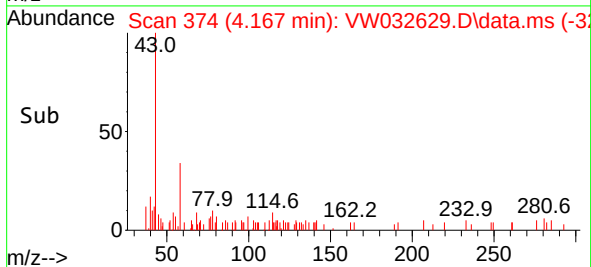
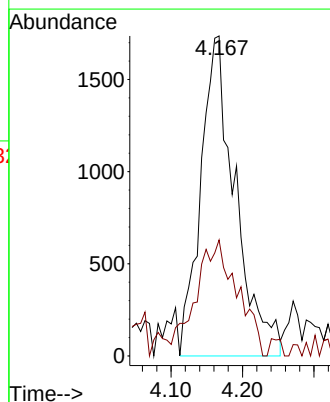
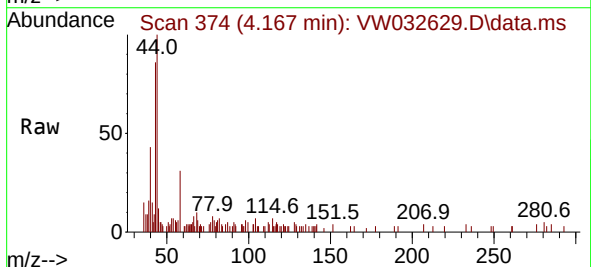
Instrument :
MSVOA_W
ClientSampleId :
TP-4

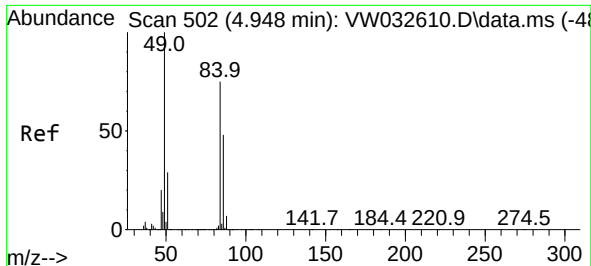
Tgt Ion:168 Resp: 446893
Ion Ratio Lower Upper
168 100
99 65.7 47.8 71.8



#16
Acetone
Concen: 2.494 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion: 43 Resp: 5838
Ion Ratio Lower Upper
43 100
58 31.0 23.9 35.9



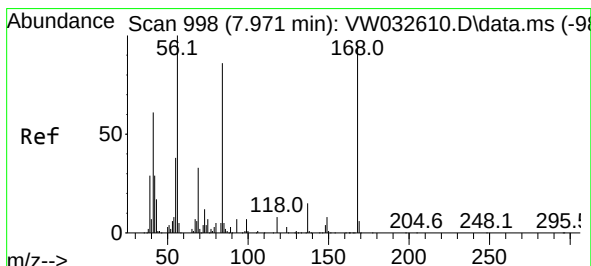
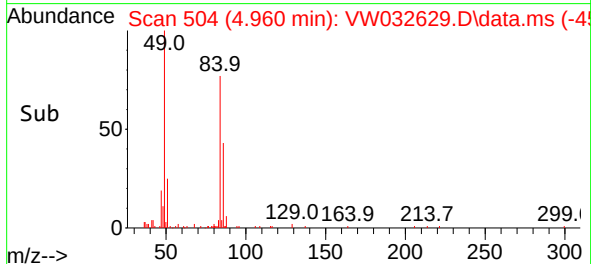
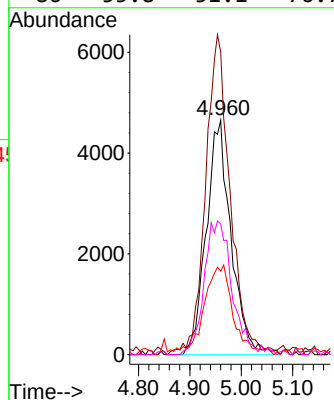
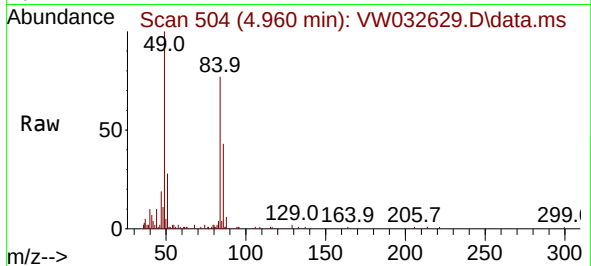


#20
Methylene Chloride
Concen: 2.180 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.012 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Instrument :
MSVOA_W
ClientSampleId :
TP-4

Tgt Ion: 84 Resp: 15579

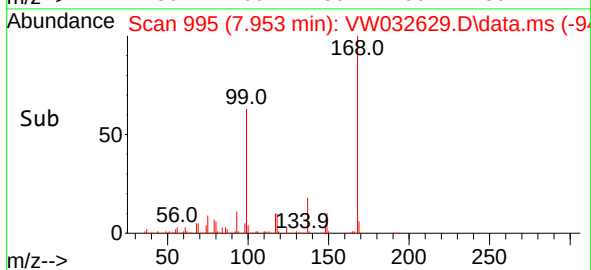
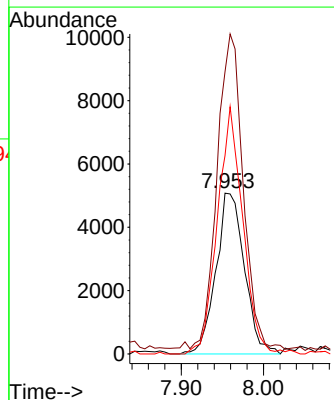
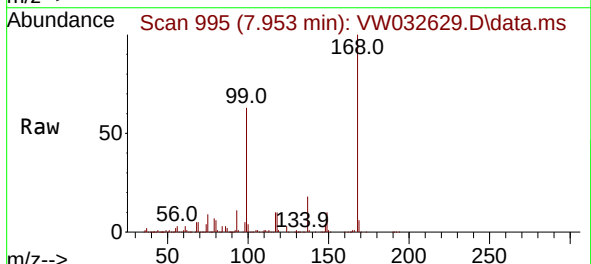
Ion	Ratio	Lower	Upper
84	100		
49	126.9	106.9	160.3
51	33.8	31.4	47.2
86	55.8	51.1	76.7

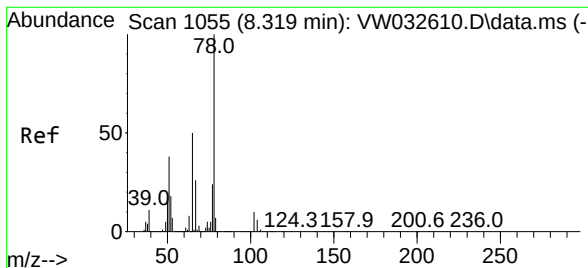


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion: 56 Resp: 12234

Ion	Ratio	Lower	Upper
56	100		
69	170.4	26.2	39.2#
84	123.2	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 58.708 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032629.D

Acq: 11 Dec 2025 13:54

Instrument :

MSVOA_W

ClientSampleId :

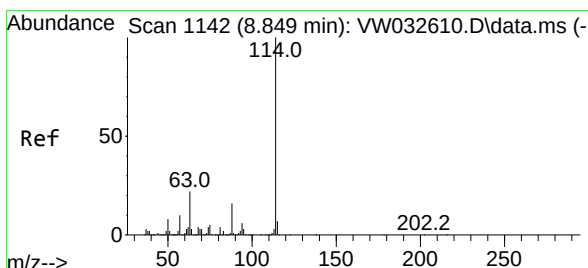
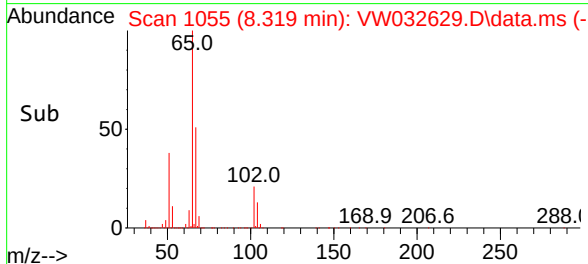
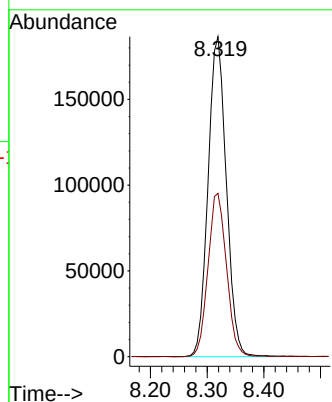
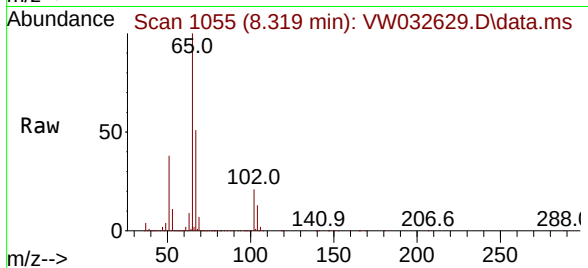
TP-4

Tgt Ion: 65 Resp: 417019

Ion Ratio Lower Upper

65 100

67 51.8 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: VW032629.D

Acq: 11 Dec 2025 13:54

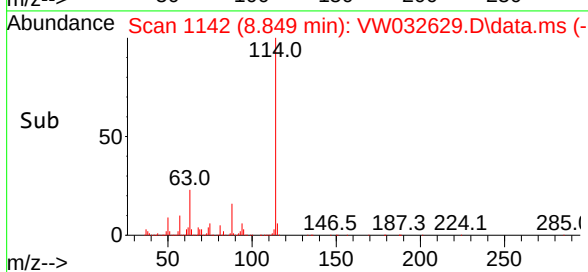
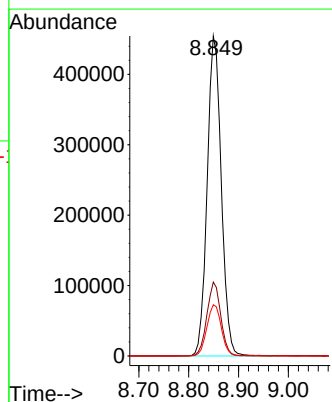
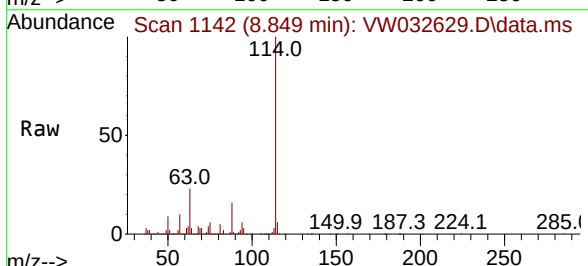
Tgt Ion: 114 Resp: 891925

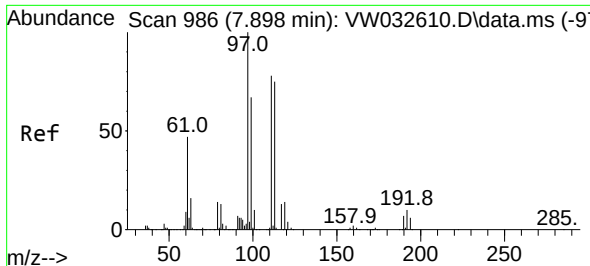
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 16.0 0.0 31.8

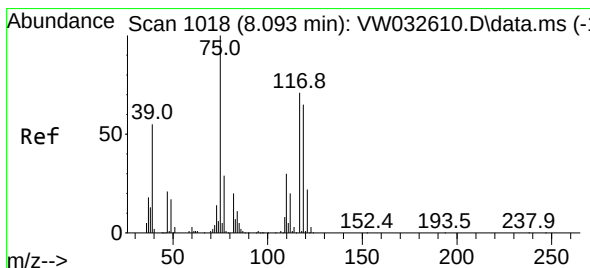
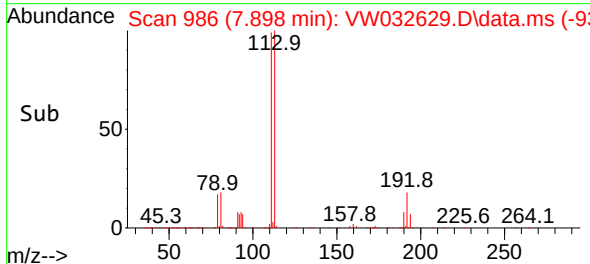
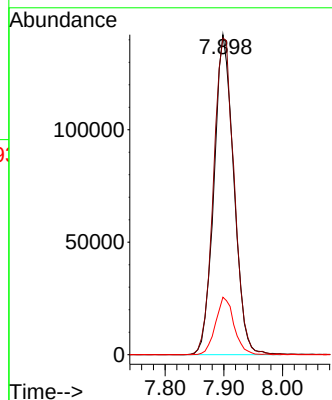
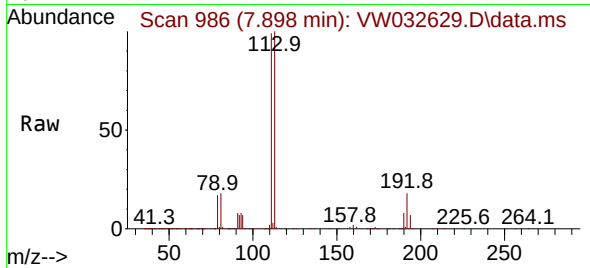




#35
 Dibromofluoromethane
 Concen: 52.271 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW032629.D
 Acq: 11 Dec 2025 13:54

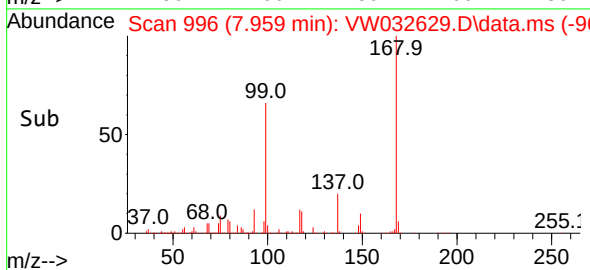
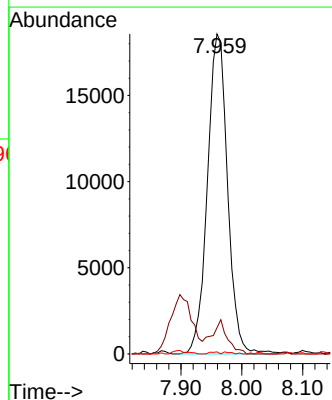
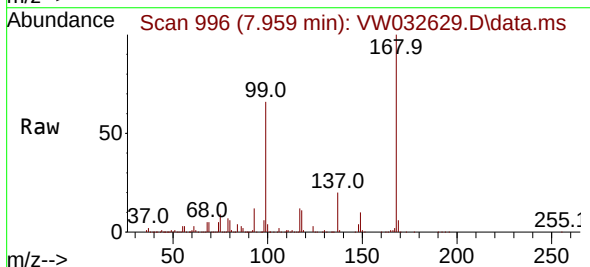
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4

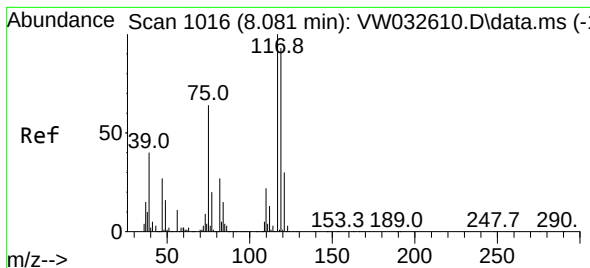
Tgt Ion:113 Resp: 333297
 Ion Ratio Lower Upper
 113 100
 111 103.1 85.2 127.8
 192 16.7 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.652 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032629.D
 Acq: 11 Dec 2025 13:54

Tgt Ion: 75 Resp: 42718
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.3 48.9#
 77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.933 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032629.D

Acq: 11 Dec 2025 13:54

Instrument :

MSVOA_W

ClientSampleId :

TP-4

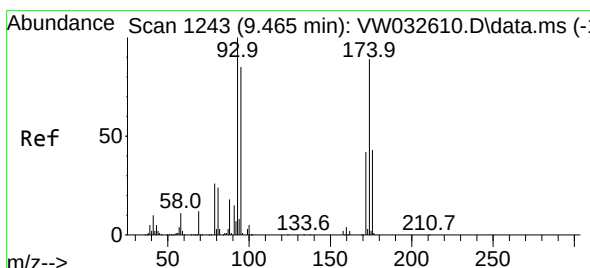
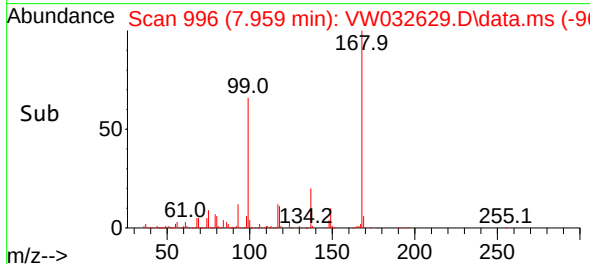
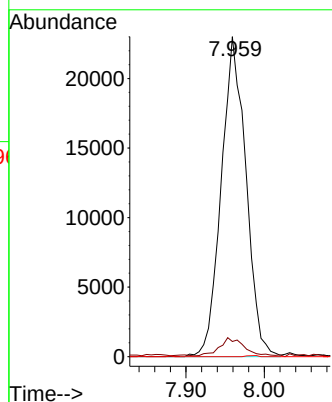
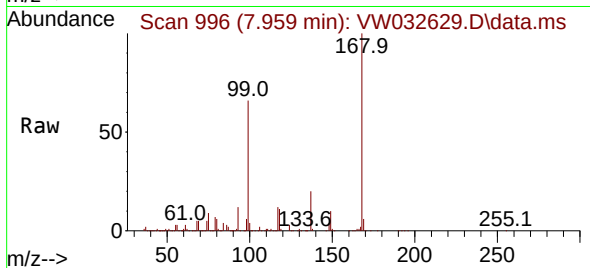
Tgt Ion:117 Resp: 50392

Ion Ratio Lower Upper

117 100

119 4.2 74.3 111.5#

121 0.0 23.6 35.4#



#49

1,4-Dioxane

Concen: 1.300 ug/l

RT: 9.483 min Scan# 1246

Delta R.T. 0.018 min

Lab File: VW032629.D

Acq: 11 Dec 2025 13:54

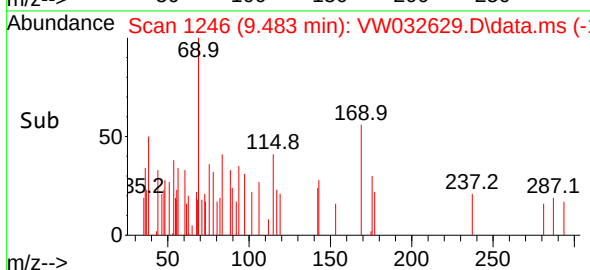
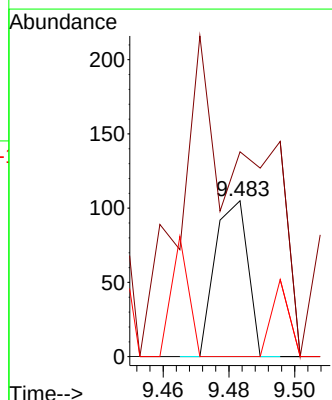
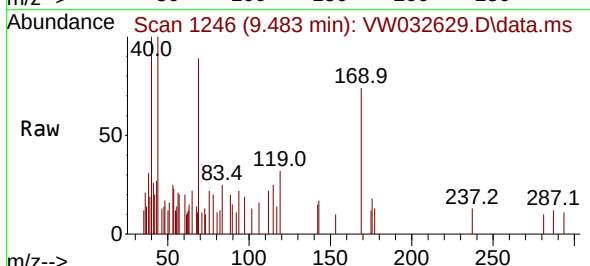
Tgt Ion: 88 Resp: 72

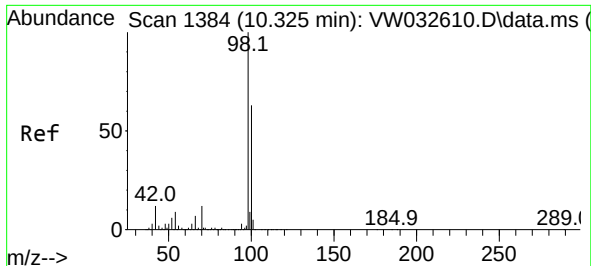
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 26.4 63.8 95.8#

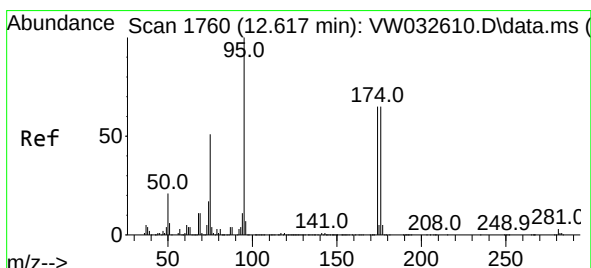
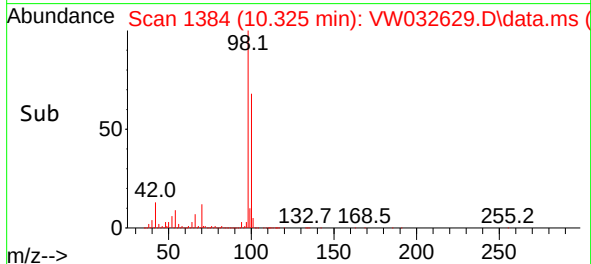
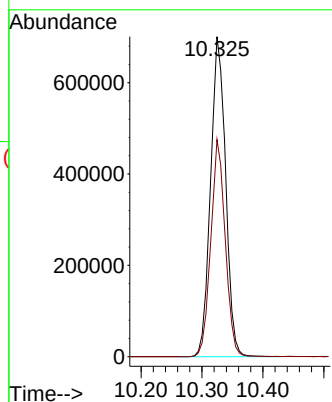
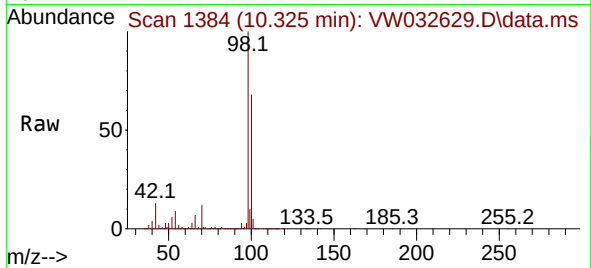




#50
Toluene-d8
Concen: 52.511 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

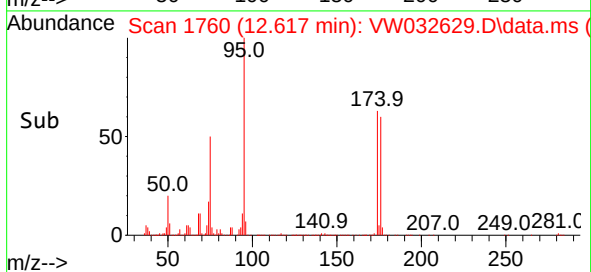
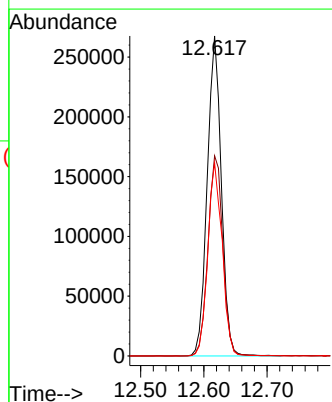
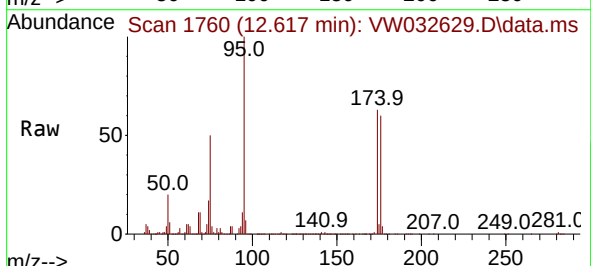
Instrument :
MSVOA_W
ClientSampleId :
TP-4

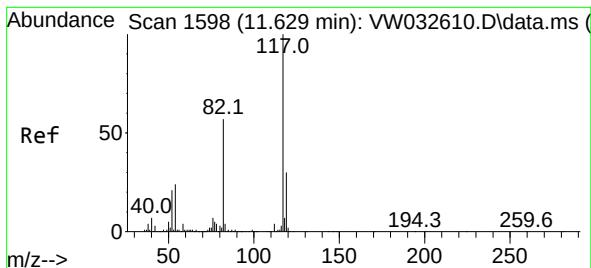
Tgt Ion: 98 Resp: 1201993
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.414 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion: 95 Resp: 415273
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.0
176 61.8 0.0 123.4

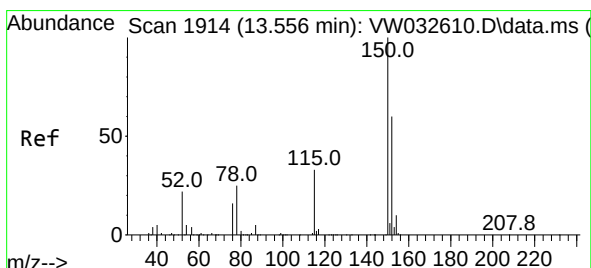
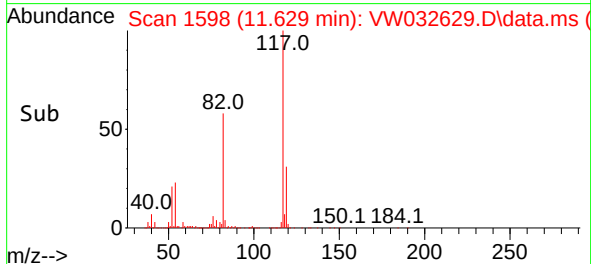
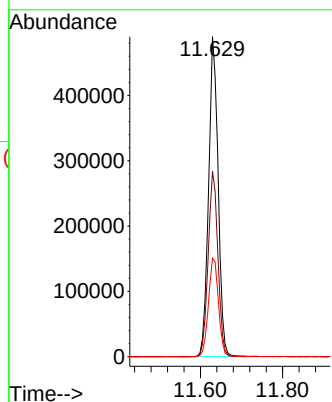
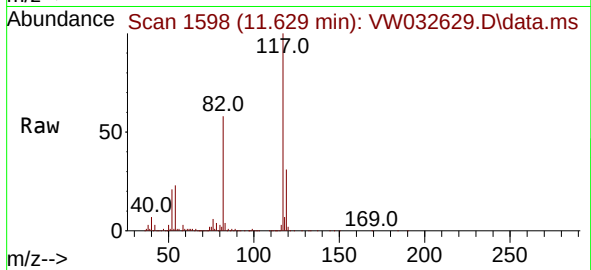




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

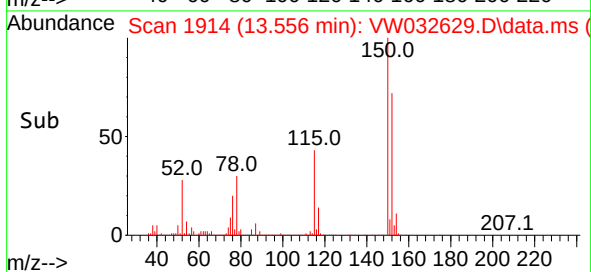
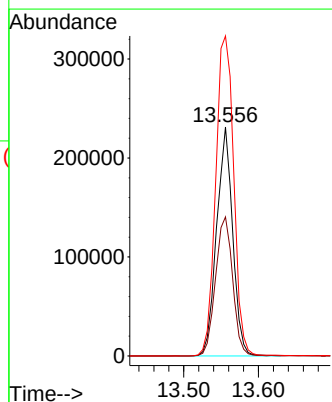
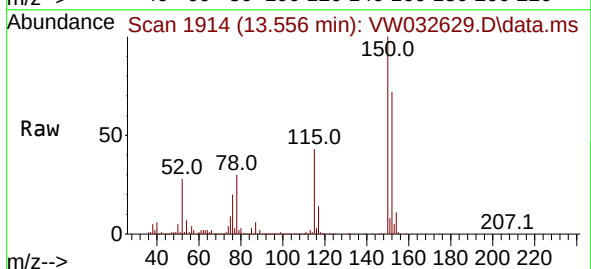
Instrument :
MSVOA_W
ClientSampleId :
TP-4

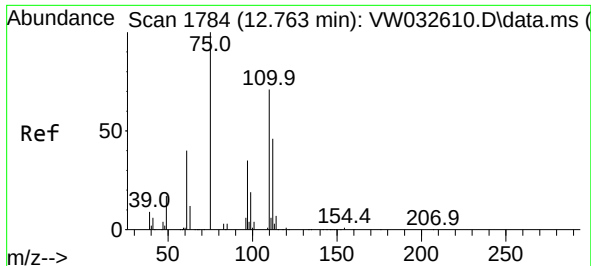
Tgt Ion:117 Resp: 788965
Ion Ratio Lower Upper
117 100
82 57.9 45.5 68.3
119 30.7 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion:152 Resp: 345758
Ion Ratio Lower Upper
152 100
115 64.9 33.8 101.3
150 157.0 0.0 369.4

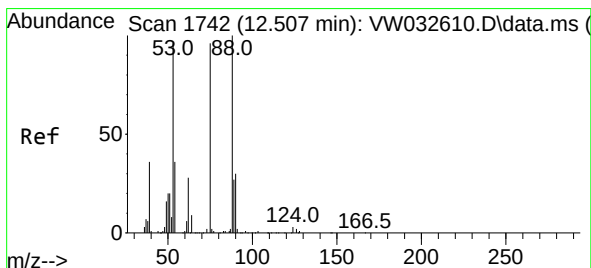
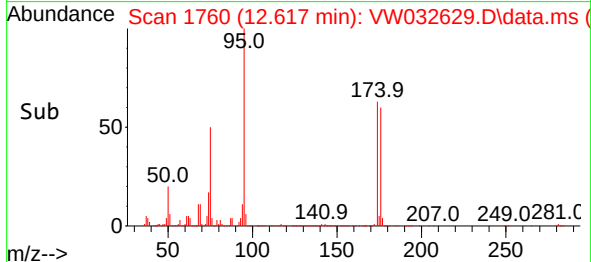
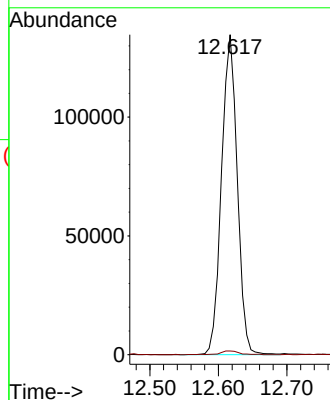
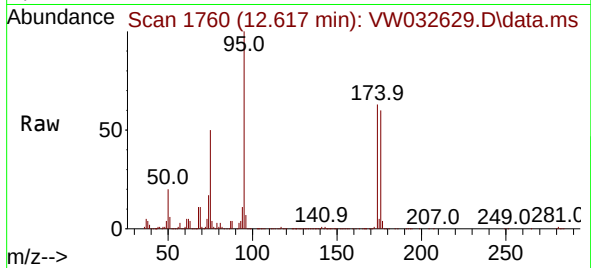




#76
1,2,3-Trichloropropane
Concen: 46.242 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Instrument :
MSVOA_W
ClientSampleId :
TP-4

Tgt Ion: 75 Resp: 214550
Ion Ratio Lower Upper
75 100
77 1.4 154.0 462.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.851 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion: 75 Resp: 214550
Ion Ratio Lower Upper
75 100
53 0.2 86.1 129.1#
89 0.0 37.4 56.2#

