

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032508.D
 Acq On : 19 Nov 2025 17:16
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 20 01:21:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

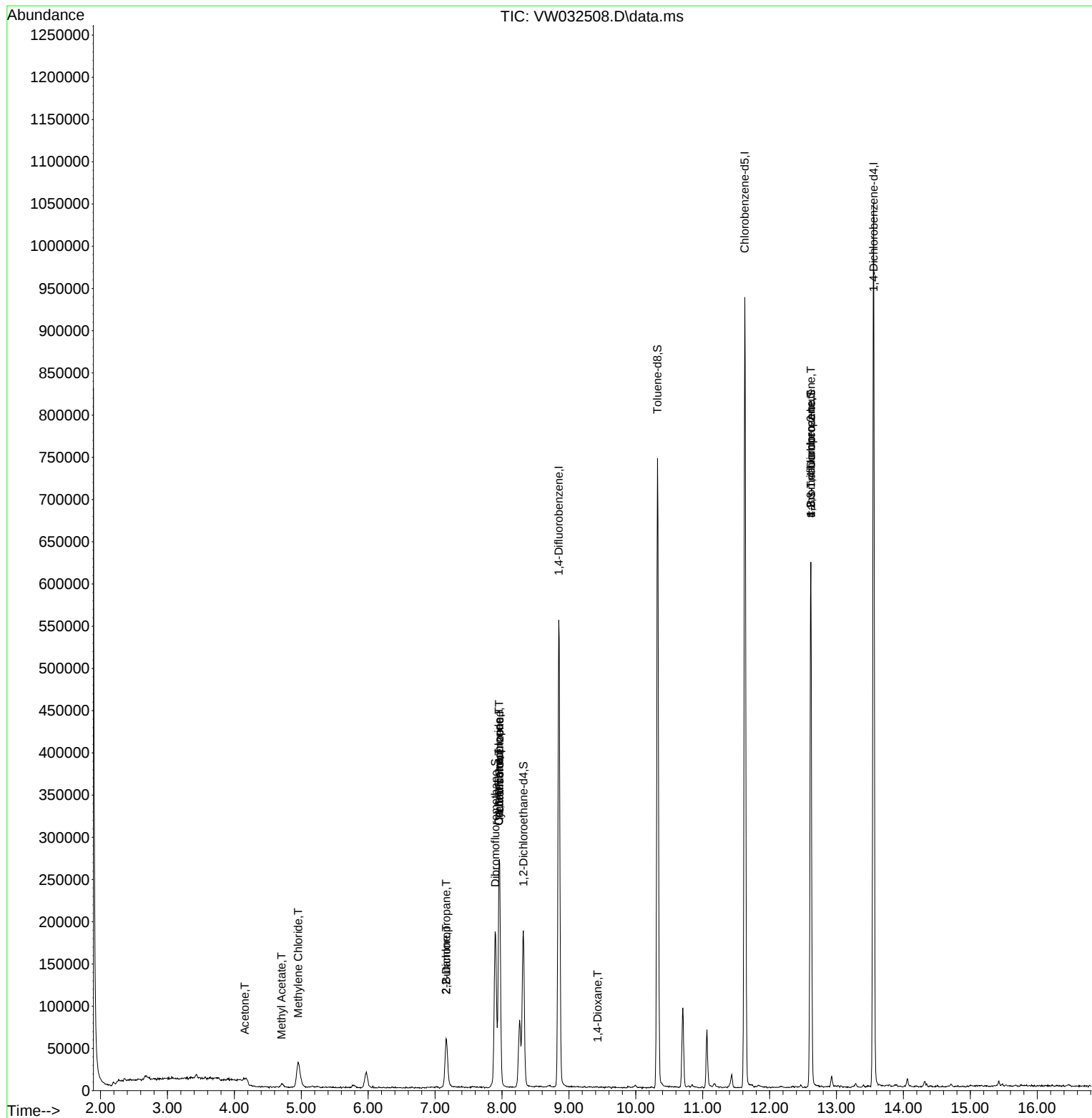
Internal Standards						
1) Pentafluorobenzene	7.965	168	197872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	468601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	510233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	269194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	150983	59.185	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 118.360%			
35) Dibromofluoromethane	7.898	113	142236	50.697	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.400%			
50) Toluene-d8	10.325	98	488365	45.373	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.740%			
62) 4-Bromofluorobenzene	12.617	95	227164	55.870	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.740%			
Target Compounds					Qvalue	
16) Acetone	4.155	43	1514	1.984	ug/l #	85
18) Methyl Acetate	4.704	43	9354	4.949	ug/l	98
20) Methylene Chloride	4.954	84	25951	9.508	ug/l	92
25) 2-Butanone	7.167	43	3605	3.206	ug/l	93
26) 2,2-Dichloropropane	7.167	77	4352	1.712	ug/l #	51
31) Cyclohexane	7.953	56	4797	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17451	4.222	ug/l #	51
38) Carbon Tetrachloride	7.953	117	21318	5.804	ug/l #	16
49) 1,4-Dioxane	9.428	88	52	1.916	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	111567	30.226	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	111567	69.231	ug/l #	11

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

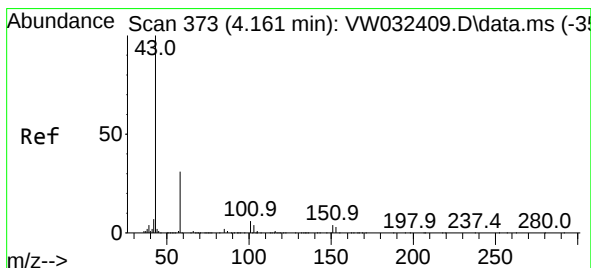
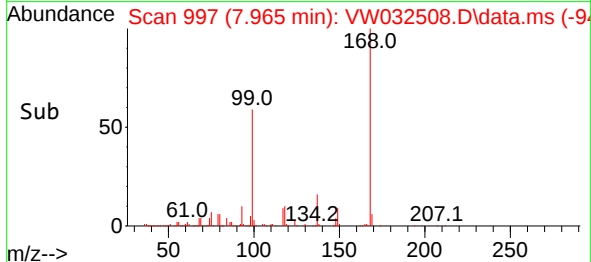
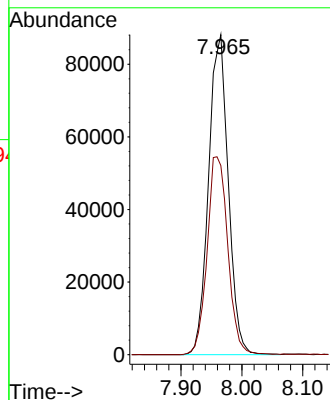
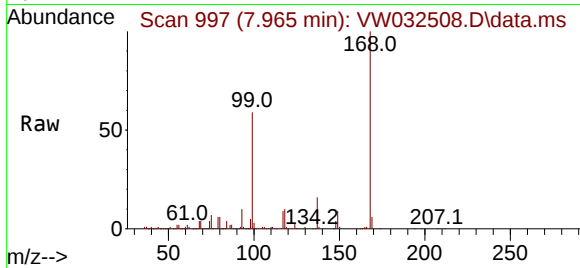




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

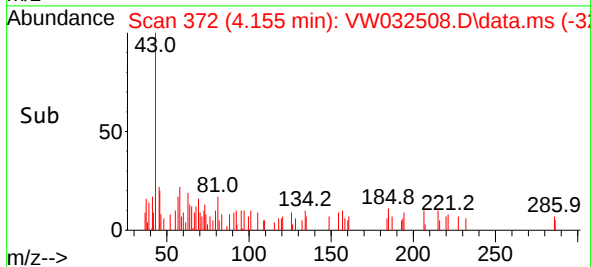
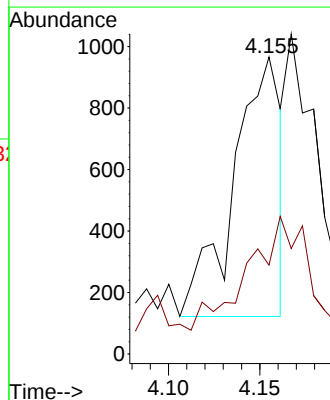
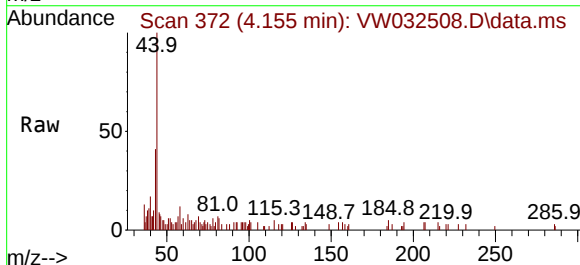
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

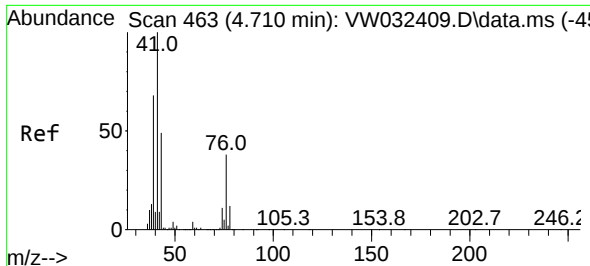
Tgt Ion:168 Resp: 197872
Ion Ratio Lower Upper
168 100
99 59.1 45.4 68.2



#16
Acetone
Concen: 1.984 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 22.7 24.8 37.2#

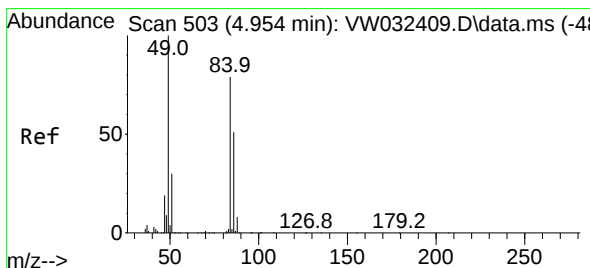
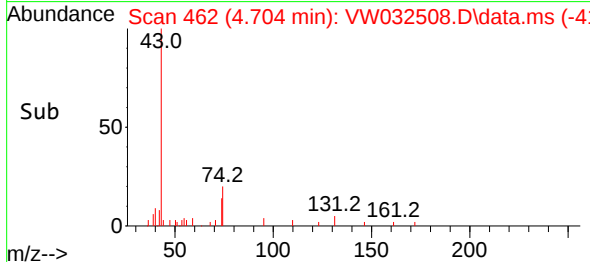
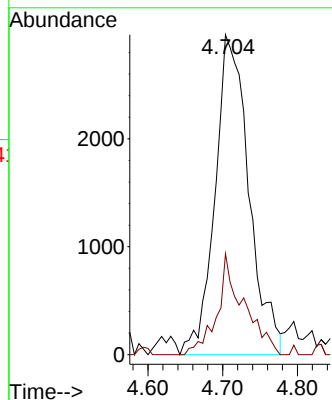
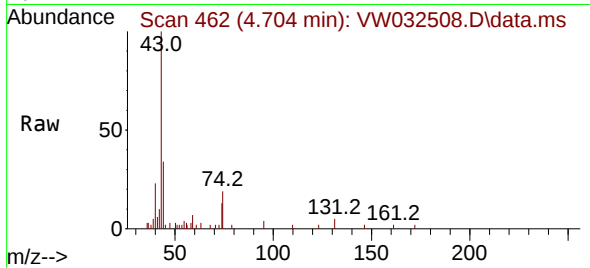




#18
Methyl Acetate
Concen: 4.949 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

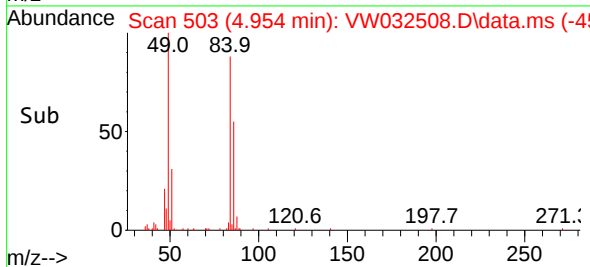
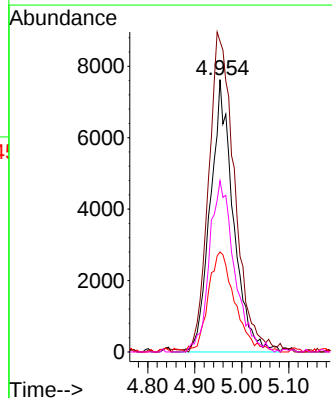
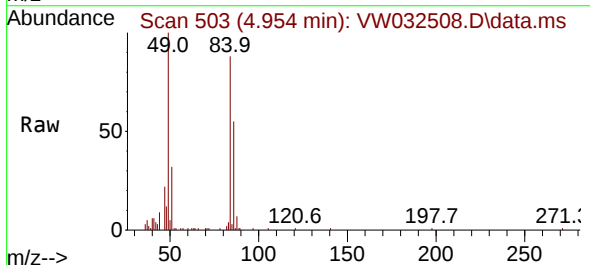
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

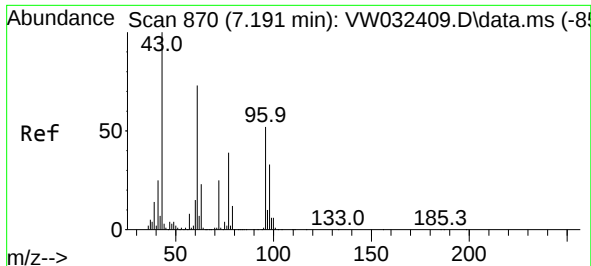
Tgt Ion: 43 Resp: 9354
Ion Ratio Lower Upper
43 100
74 24.8 18.9 28.3



#20
Methylene Chloride
Concen: 9.508 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion: 84 Resp: 25951
Ion Ratio Lower Upper
84 100
49 113.4 101.5 152.3
51 36.7 30.6 46.0
86 62.9 51.9 77.9





#25

2-Butanone

Concen: 3.206 ug/l

RT: 7.167 min Scan# 866

Delta R.T. -0.024 min

Lab File: VW032508.D

Acq: 19 Nov 2025 17:16

Instrument :

MSVOA_W

ClientSampleId :

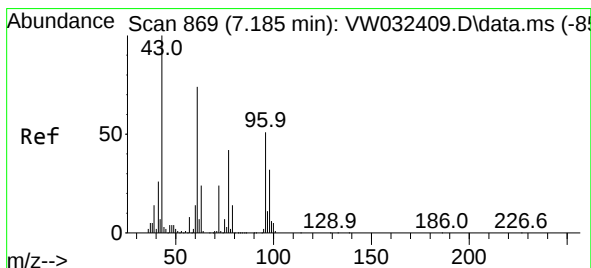
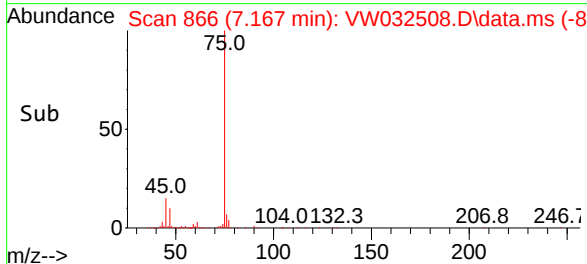
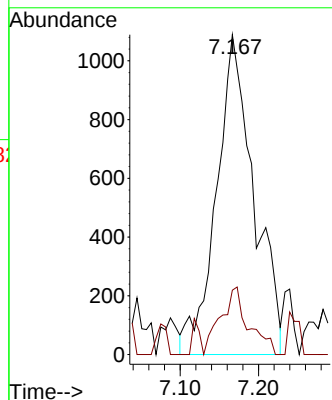
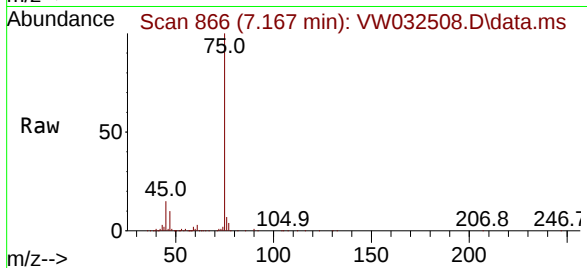
VIBLK

Tgt Ion: 43 Resp: 3605

Ion Ratio Lower Upper

43 100

72 21.4 20.0 30.0



#26

2,2-Dichloropropane

Concen: 1.712 ug/l

RT: 7.167 min Scan# 866

Delta R.T. -0.018 min

Lab File: VW032508.D

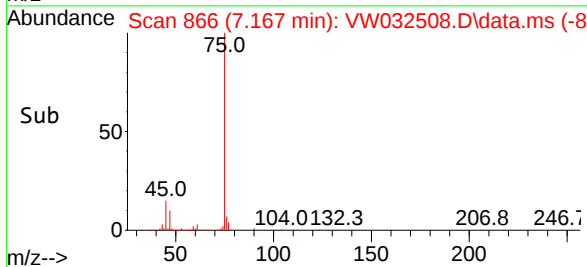
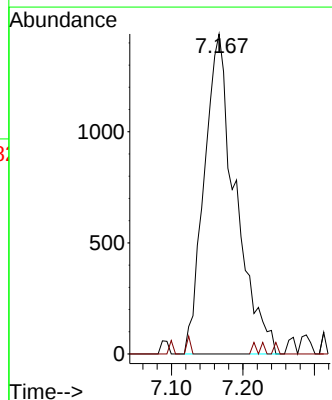
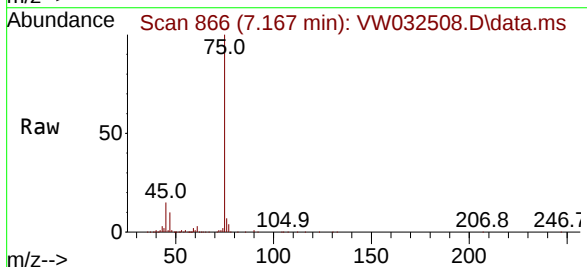
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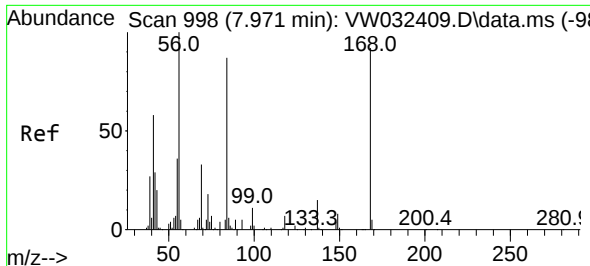
Tgt Ion: 77 Resp: 4352

Ion Ratio Lower Upper

77 100

97 0.0 12.3 36.8#

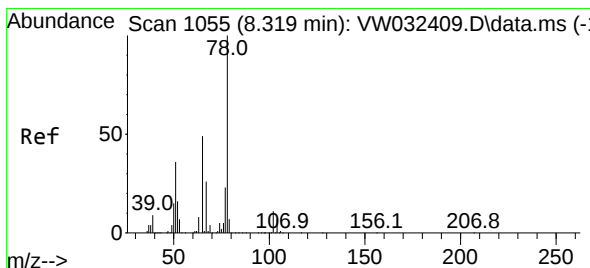
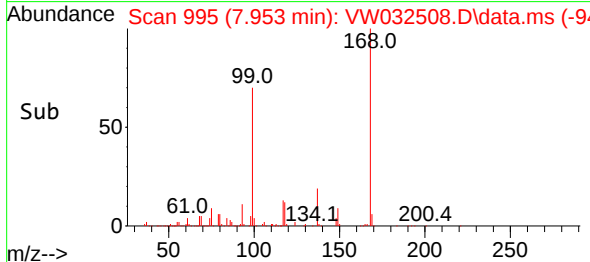
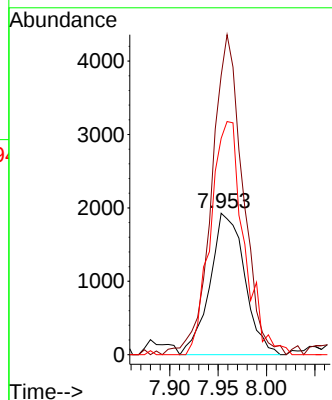
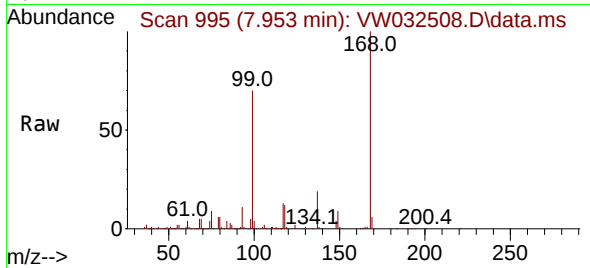




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

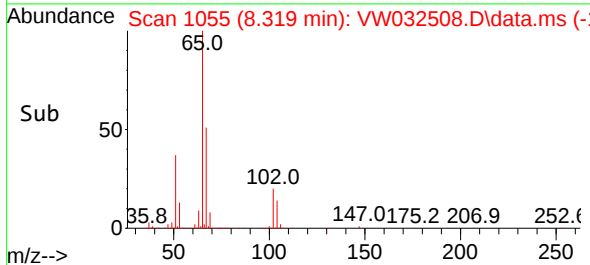
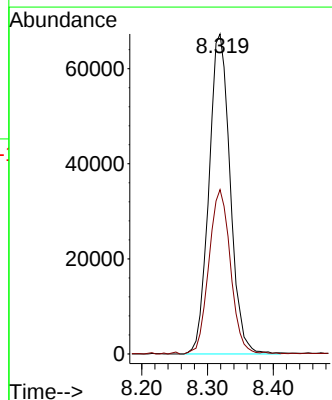
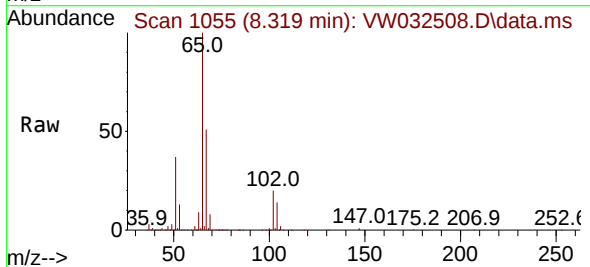
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

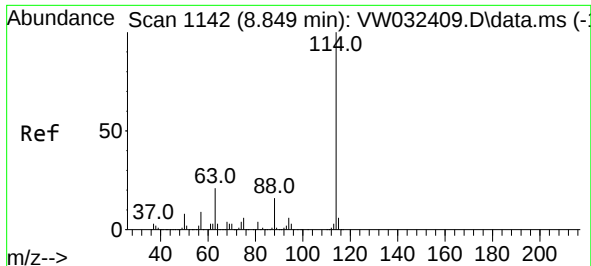
Tgt Ion: 56 Resp: 4797
Ion Ratio Lower Upper
56 100
69 192.6 26.5 39.7#
84 152.9 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 59.185 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion: 65 Resp: 150983
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8

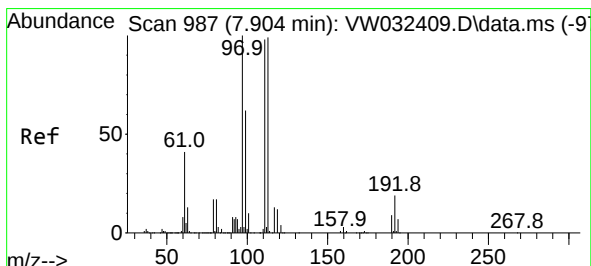
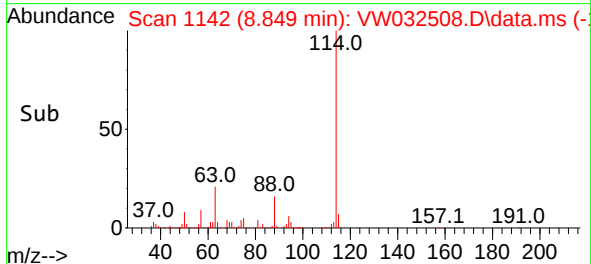
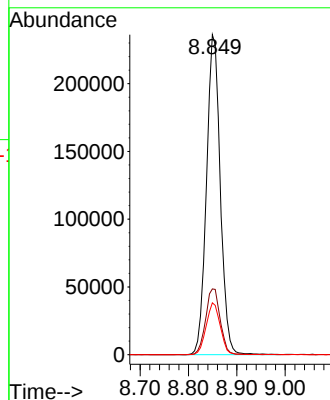
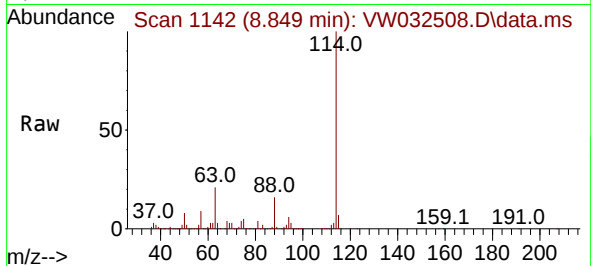




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

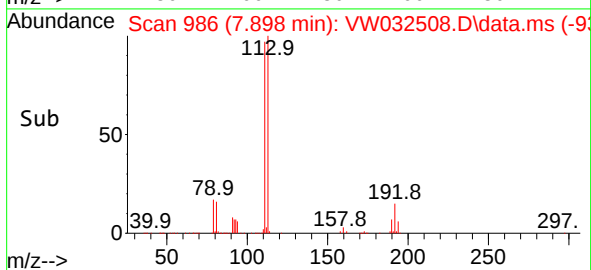
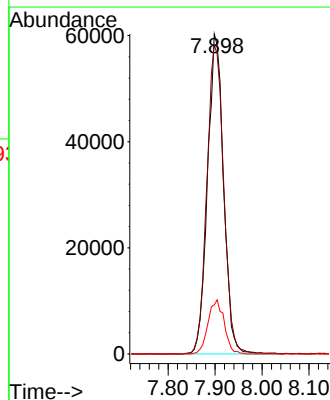
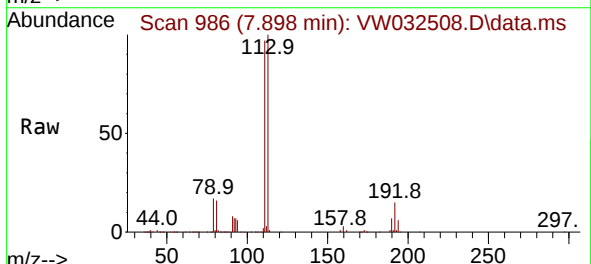
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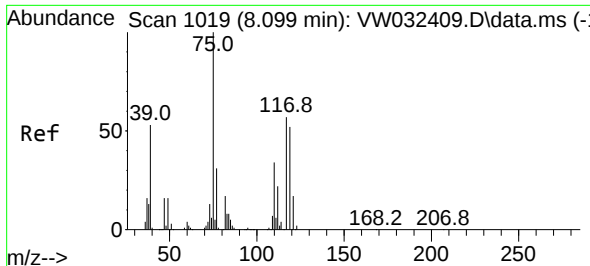
Tgt Ion:	114	Resp:	468601
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.8
88	16.2	0.0	32.6



#35
Dibromofluoromethane
Concen: 50.697 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion:	113	Resp:	142236
Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	17.0	13.4	20.2

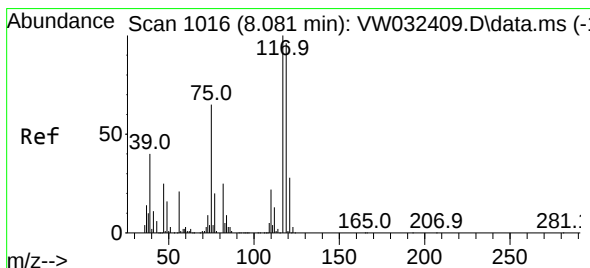
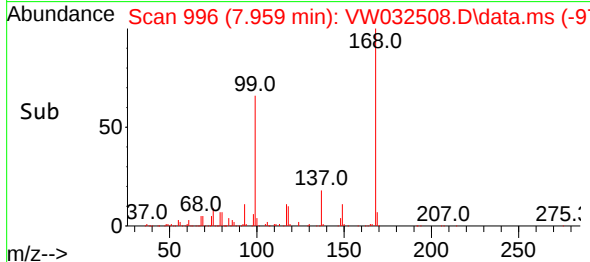
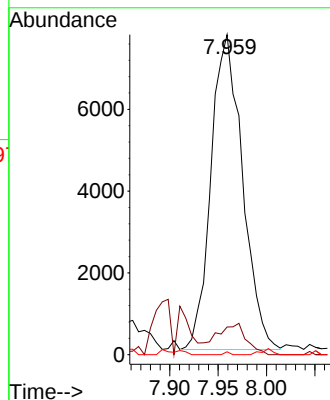
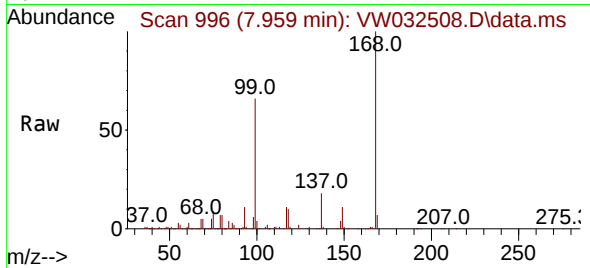




#36
 1,1-Dichloropropene
 Concen: 4.222 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032508.D
 Acq: 19 Nov 2025 17:16

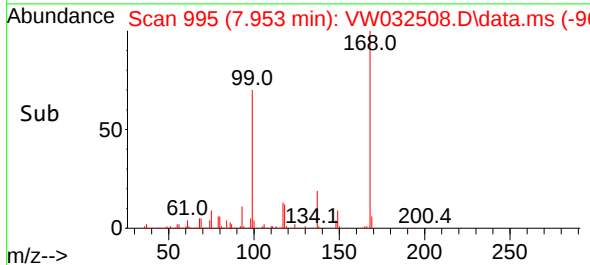
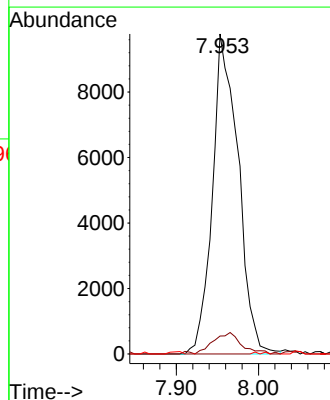
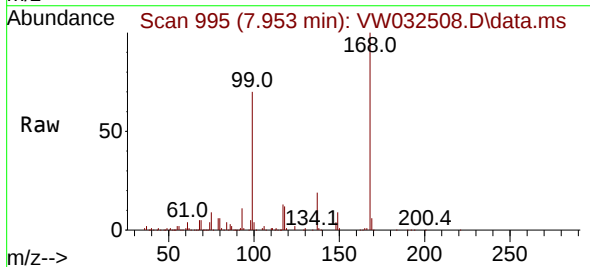
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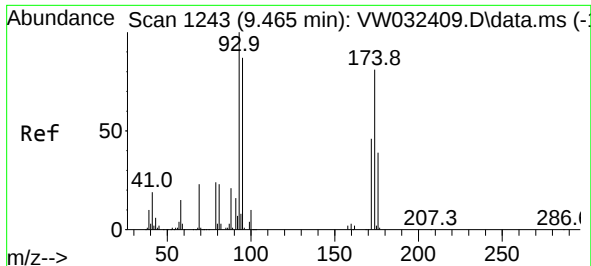
Tgt Ion: 75 Resp: 17451
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.2 51.5#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.804 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.128 min
 Lab File: VW032508.D
 Acq: 19 Nov 2025 17:16

Tgt Ion: 117 Resp: 21318
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.0 115.4#
 121 0.0 22.0 33.0#





#49

1,4-Dioxane

Concen: 1.916 ug/l

RT: 9.428 min Scan# 1237

Delta R.T. -0.037 min

Lab File: VW032508.D

Acq: 19 Nov 2025 17:16

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

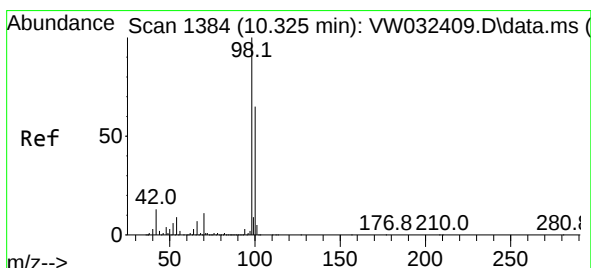
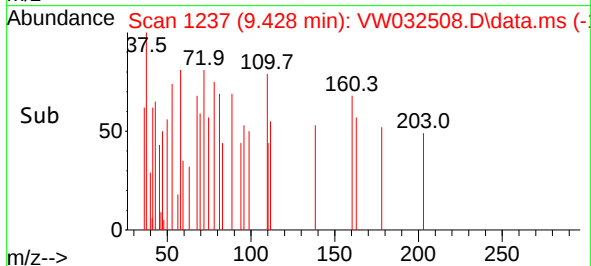
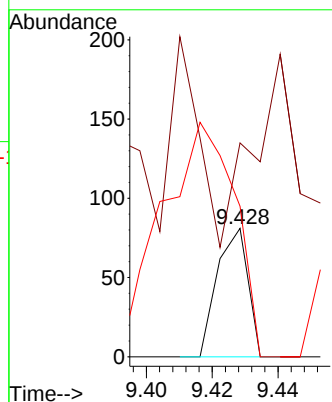
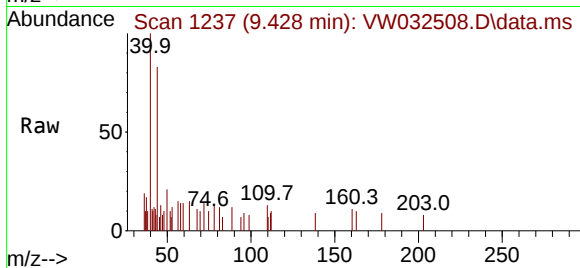
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 561.5 0.0 0.0#

58 0.0 63.0 94.4#



#50

Toluene-d8

Concen: 45.373 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032508.D

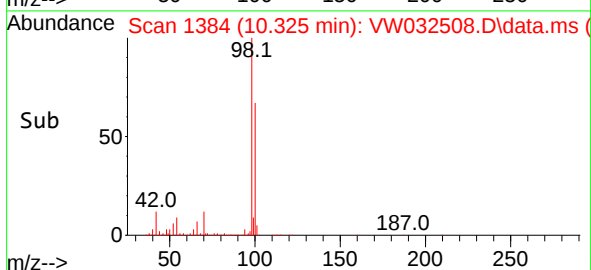
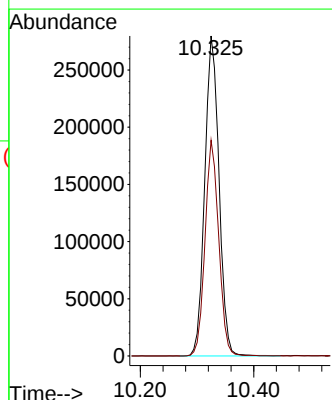
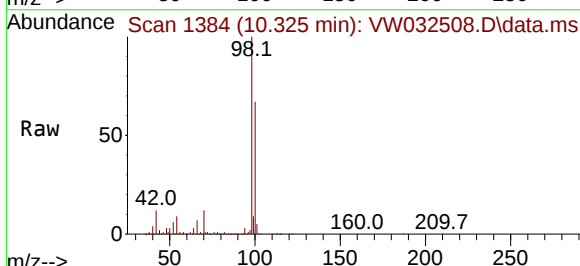
Acq: 19 Nov 2025 17:16

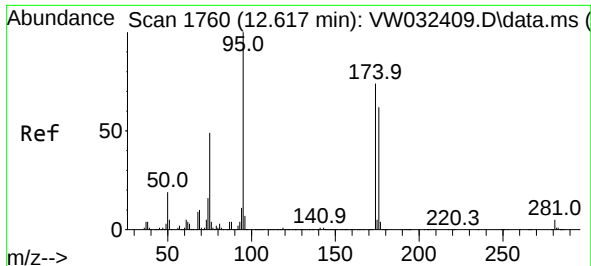
Tgt Ion: 98 Resp: 488365

Ion Ratio Lower Upper

98 100

100 64.8 53.3 79.9

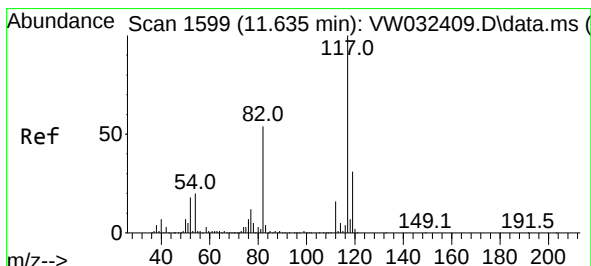
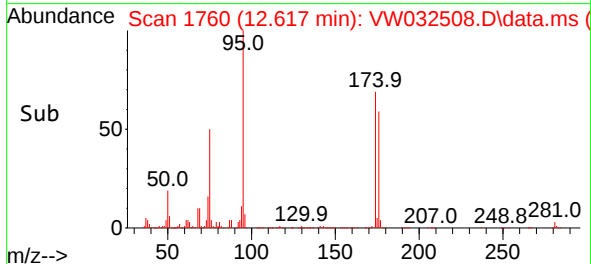
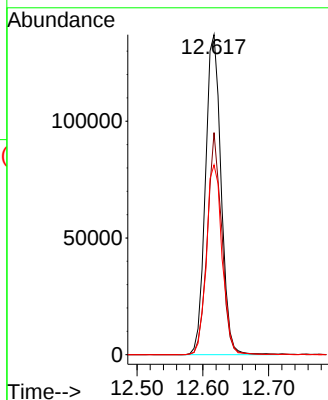
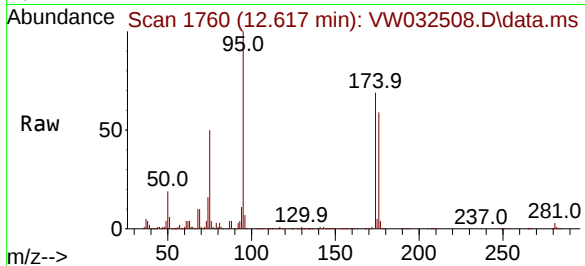




#62
4-Bromofluorobenzene
Concen: 55.870 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

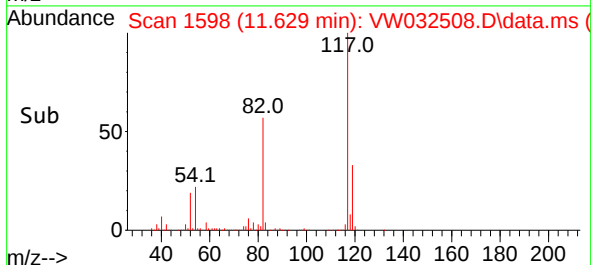
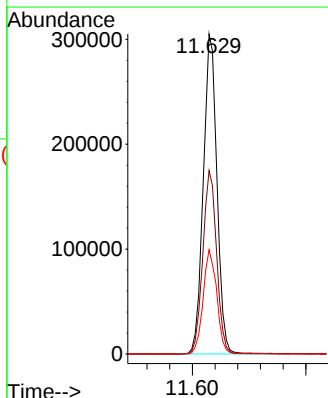
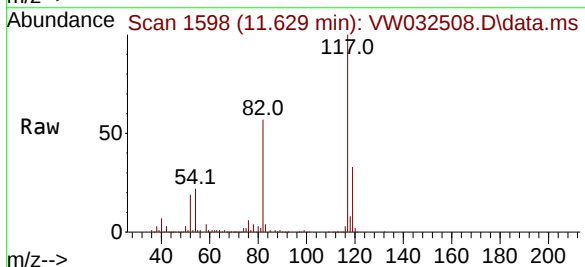
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

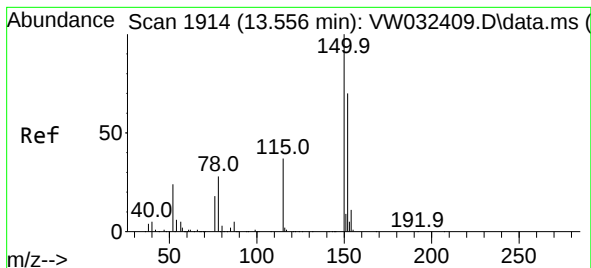
Tgt Ion: 95 Resp: 227164
Ion Ratio Lower Upper
95 100
174 64.0 0.0 135.4
176 60.0 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion: 117 Resp: 510233
Ion Ratio Lower Upper
117 100
82 57.3 43.0 64.4
119 32.6 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032508.D

Acq: 19 Nov 2025 17:16

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

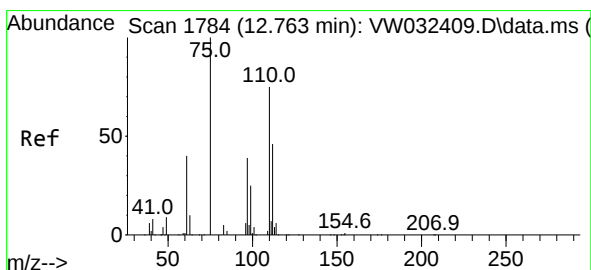
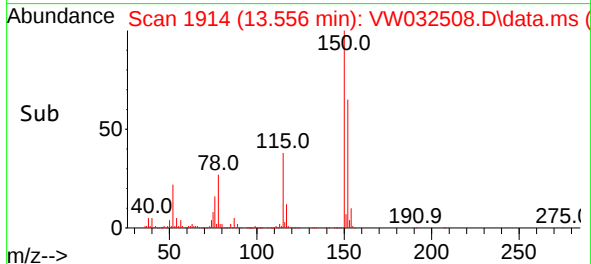
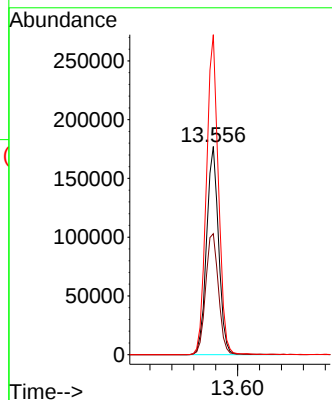
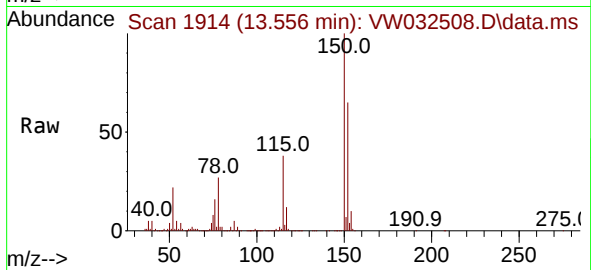
Tgt Ion:152 Resp: 269194

Ion Ratio Lower Upper

152 100

115 61.8 32.8 98.3

150 153.8 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 30.226 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032508.D

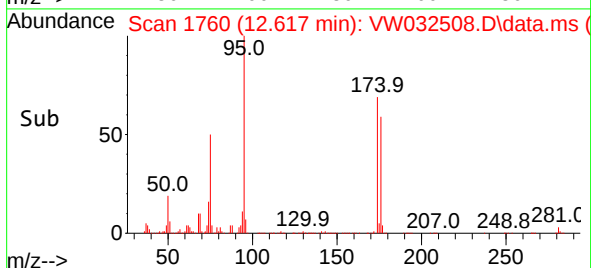
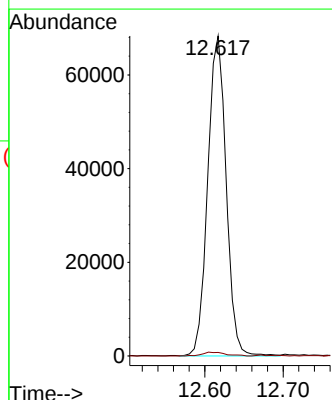
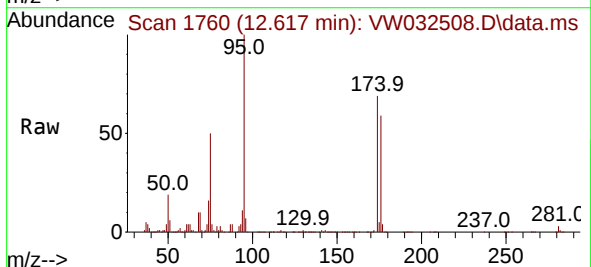
Acq: 19 Nov 2025 17:16

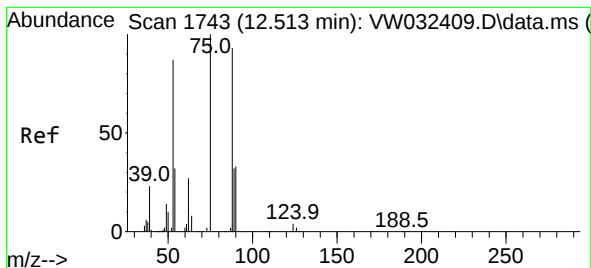
Tgt Ion: 75 Resp: 111567

Ion Ratio Lower Upper

75 100

77 1.5 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.231 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032508.D
 Acq: 19 Nov 2025 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 111567
 Ion Ratio Lower Upper
 75 100
 53 0.5 77.8 116.8#
 89 0.2 35.6 53.4#

