

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111225\
 Data File : VW032443.D
 Acq On : 12 Nov 2025 16:43
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 14 05:20:36 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)

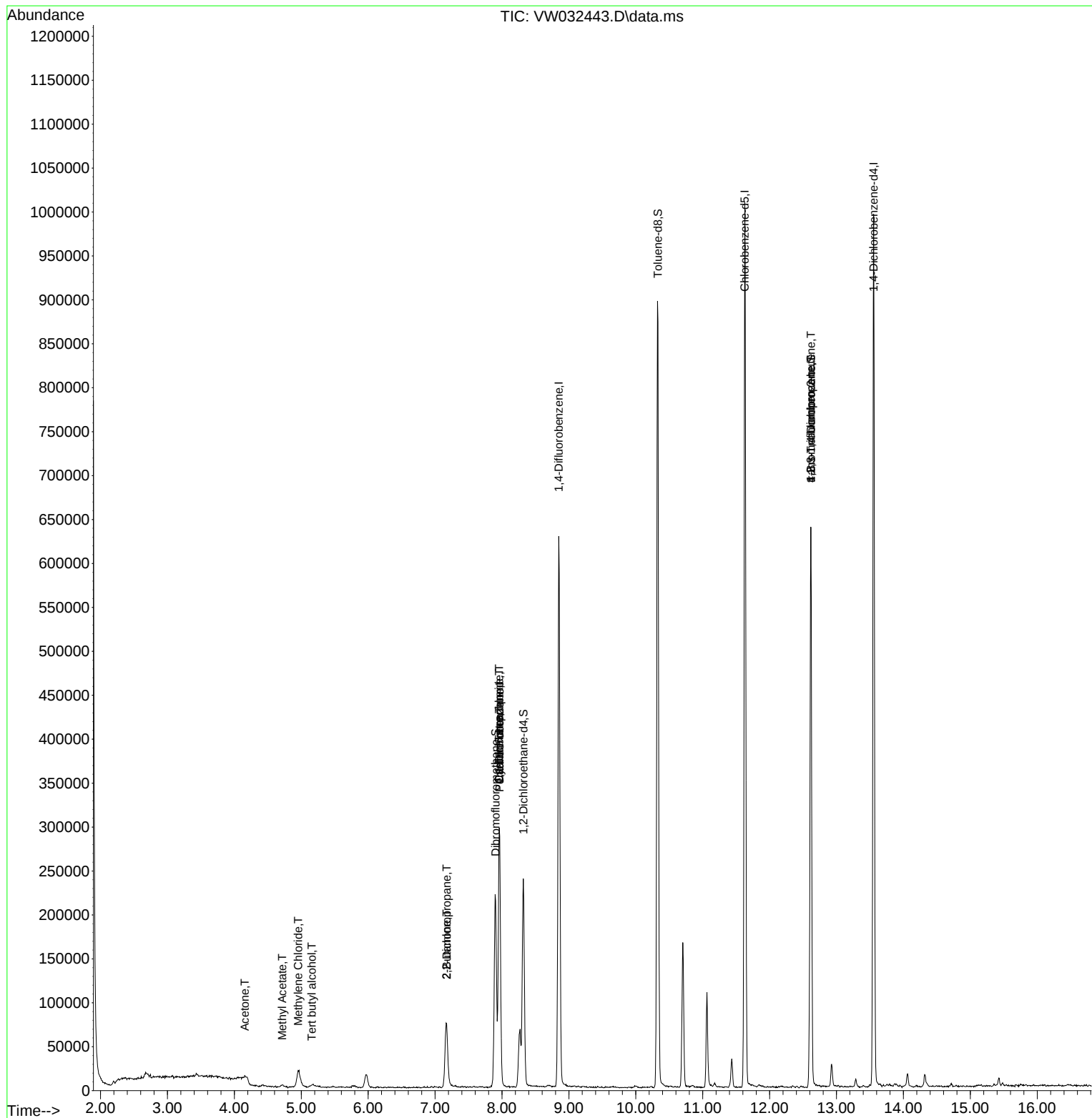
Internal Standards						
1) Pentafluorobenzene	7.965	168	209172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	524938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	551681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	187789	69.636	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 139.280%		
35) Dibromofluoromethane	7.904	113	162953	51.847	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 103.700%		
50) Toluene-d8	10.331	98	596127	49.441	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 98.880%		
62) 4-Bromofluorobenzene	12.617	95	231056	50.728	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.460%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.155	59	1569	6.729	ug/l #	81
16) Acetone	4.155	43	1647	2.041	ug/l #	86
18) Methyl Acetate	4.716	43	4198	2.101	ug/l	97
20) Methylene Chloride	4.954	84	16513	5.723	ug/l	96
25) 2-Butanone	7.173	43	4500	3.786	ug/l #	78
26) 2,2-Dichloropropane	7.173	77	5213	1.939	ug/l #	51
31) Cyclohexane	7.959	56	6161	1.381	ug/l #	11
36) 1,1-Dichloropropene	7.959	75	19302	4.168	ug/l #	52
38) Carbon Tetrachloride	7.959	117	23204	5.639	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	112807	32.606	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	112807	74.681	ug/l #	11

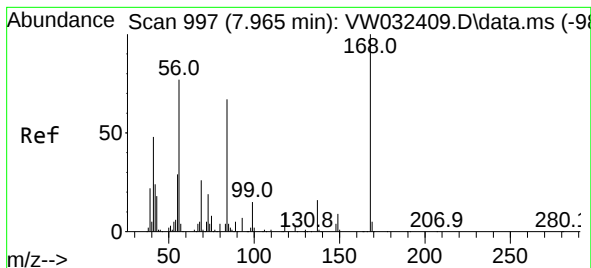
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

Lab File: VW032443.D

Acq: 12 Nov 2025 16:43

Instrument :

MSVOA_W

ClientSampleId :

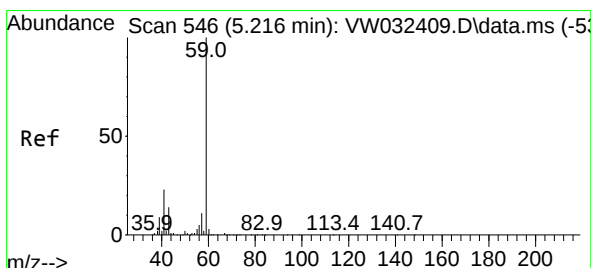
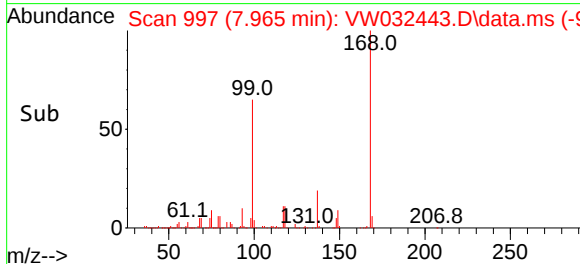
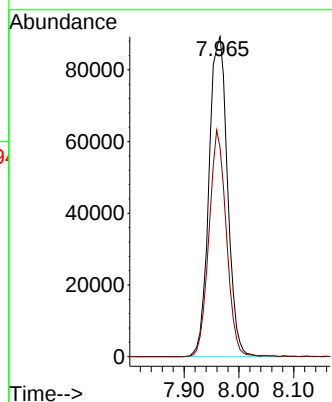
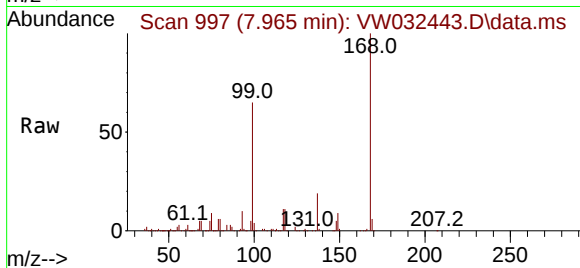
VIBLK

Tgt Ion:168 Resp: 209172

Ion Ratio Lower Upper

168 100

99 65.4 45.4 68.2



#11

Tert butyl alcohol

Concen: 6.729 ug/l

RT: 5.155 min Scan# 536

Delta R.T. -0.061 min

Lab File: VW032443.D

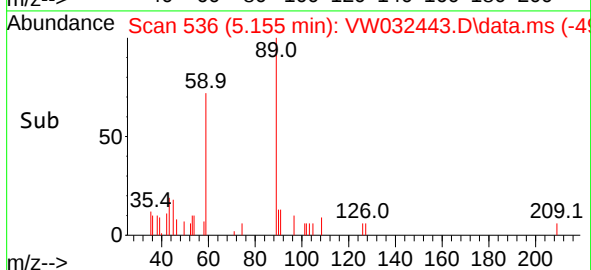
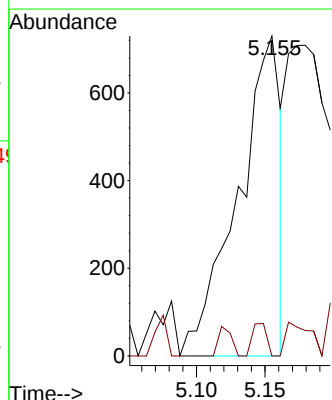
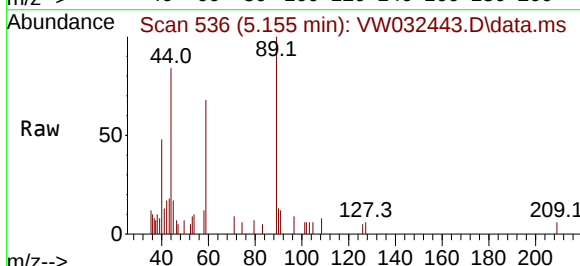
Acq: 12 Nov 2025 16:43

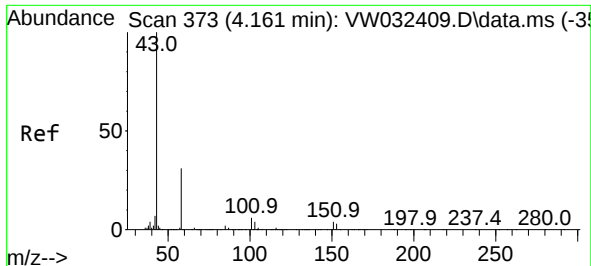
Tgt Ion: 59 Resp: 1569

Ion Ratio Lower Upper

59 100

57 3.4 8.6 12.8#

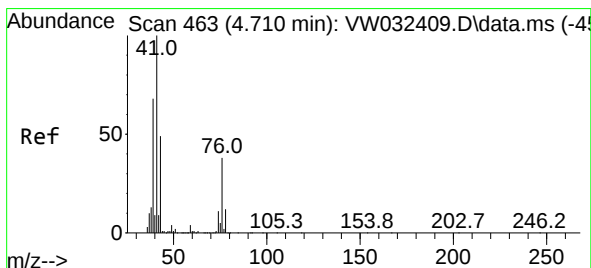
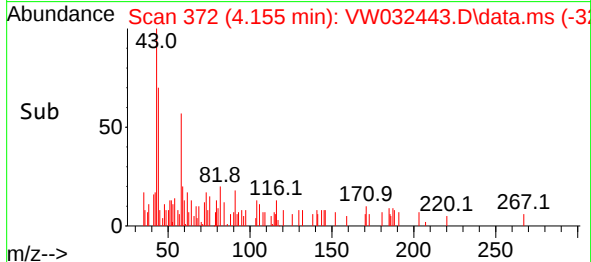
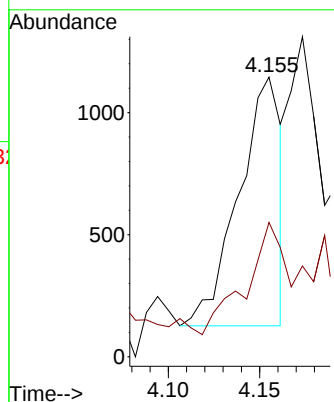
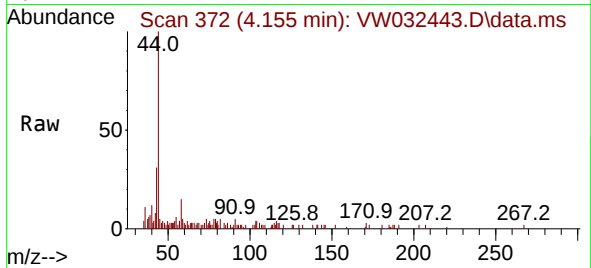




#16
Acetone
Concen: 2.041 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

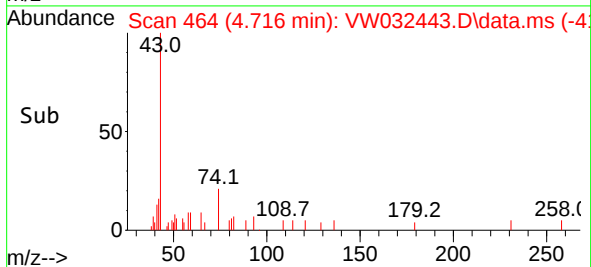
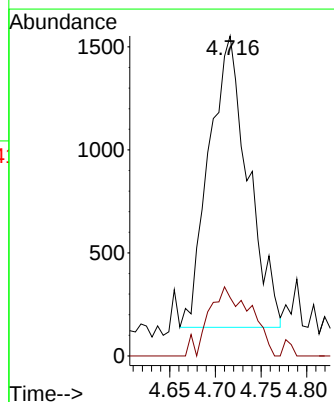
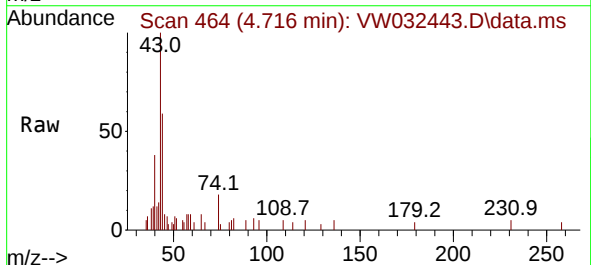
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

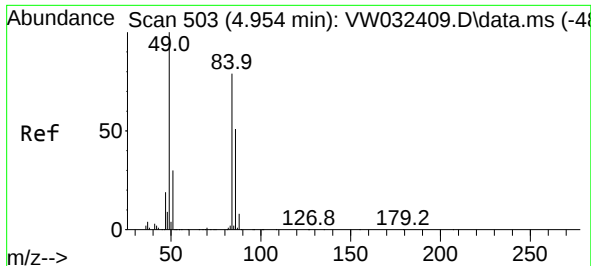
Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 38.7 24.8 37.2#



#18
Methyl Acetate
Concen: 2.101 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion: 43 Resp: 4198
Ion Ratio Lower Upper
43 100
74 25.3 18.9 28.3

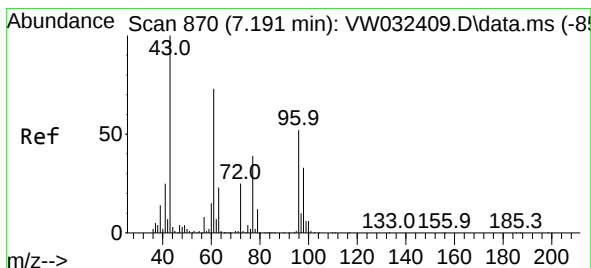
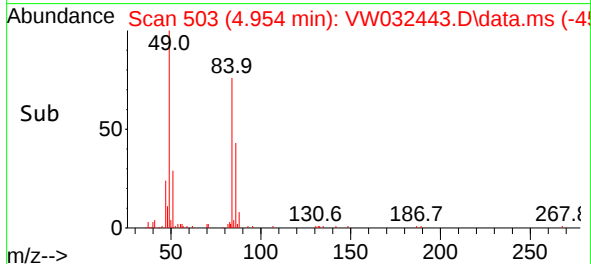
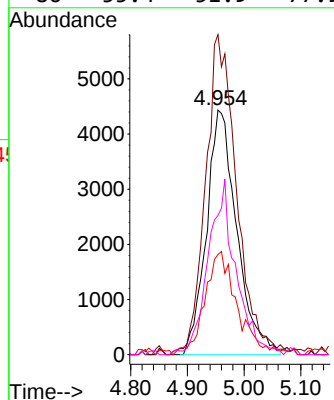
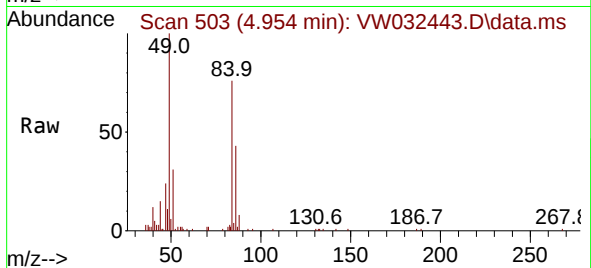




#20
Methylene Chloride
Concen: 5.723 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

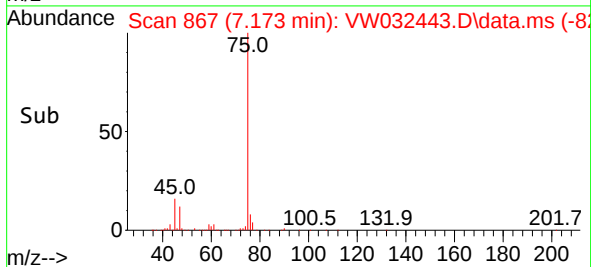
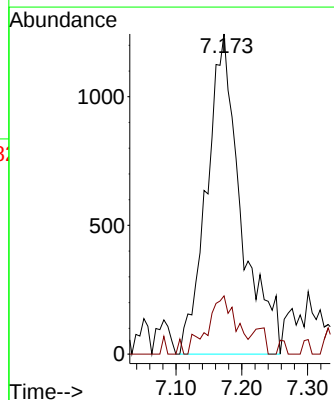
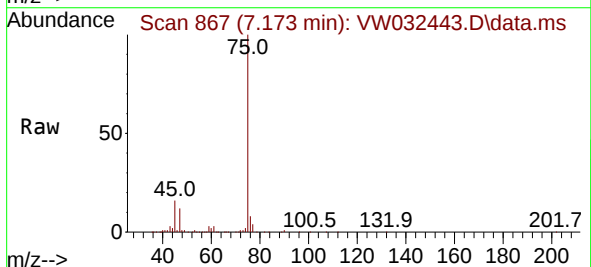
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

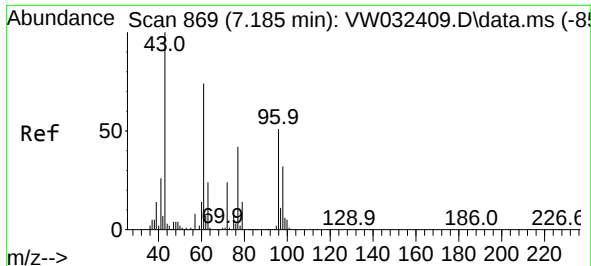
Tgt Ion:	84	Resp:	16513
Ion	Ratio	Lower	Upper
84	100		
49	128.2	101.5	152.3
51	39.4	30.6	46.0
86	55.4	51.9	77.9



#25
2-Butanone
Concen: 3.786 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion:	43	Resp:	4500
Ion	Ratio	Lower	Upper
43	100		
72	13.8	20.0	30.0#

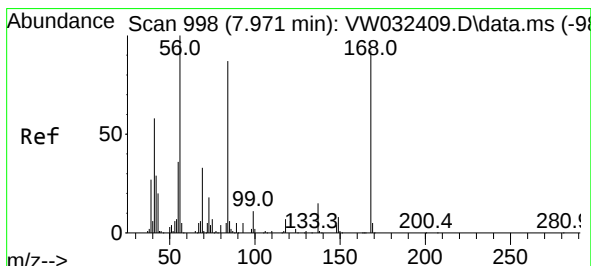
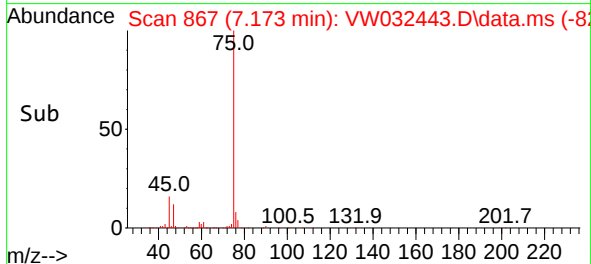
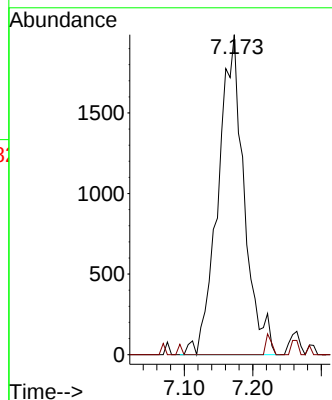
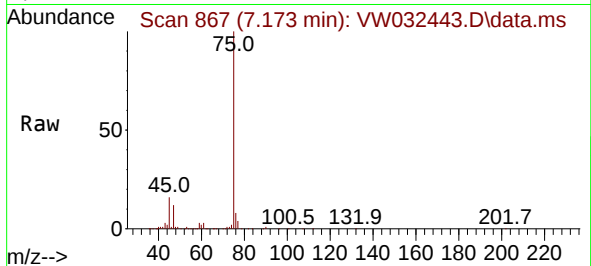




#26
2,2-Dichloropropane
Concen: 1.939 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.012 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

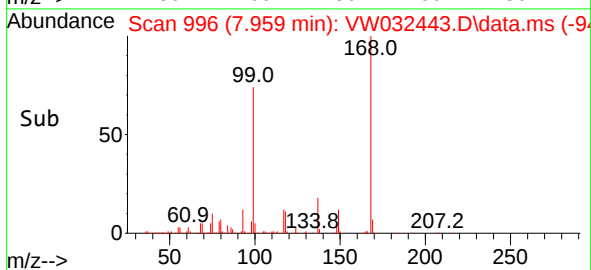
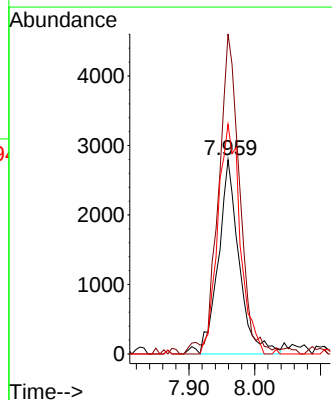
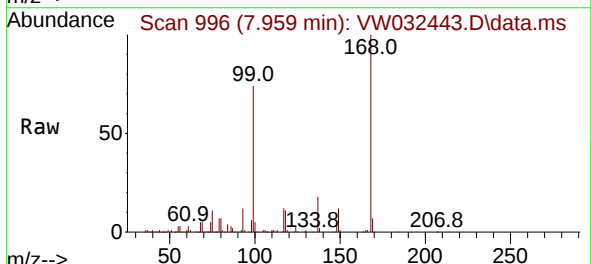
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

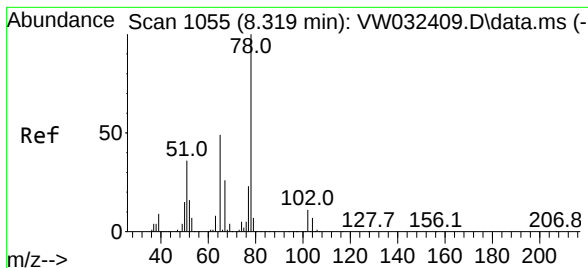
Tgt Ion: 77 Resp: 5213
Ion Ratio Lower Upper
77 100
97 0.0 12.3 36.8#



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion: 56 Resp: 6161
Ion Ratio Lower Upper
56 100
69 164.7 26.5 39.7#
84 118.2 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 69.636 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032443.D

Acq: 12 Nov 2025 16:43

Instrument :

MSVOA_W

ClientSampleId :

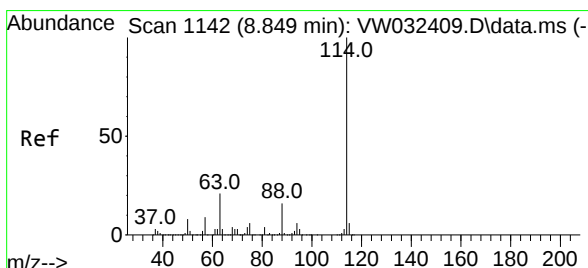
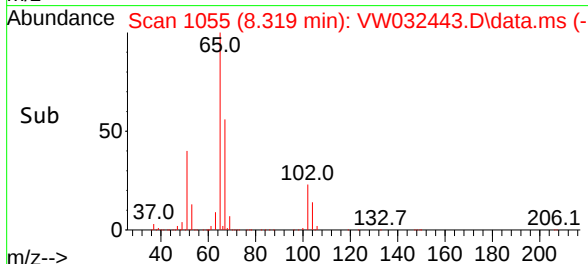
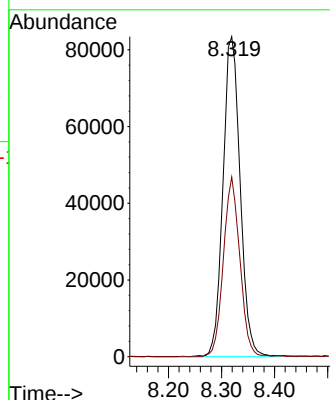
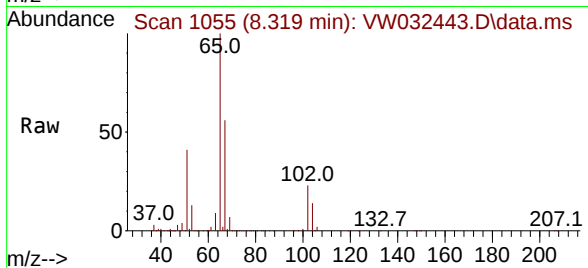
VIBLK

Tgt Ion: 65 Resp: 187789

Ion Ratio Lower Upper

65 100

67 53.8 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: VW032443.D

Acq: 12 Nov 2025 16:43

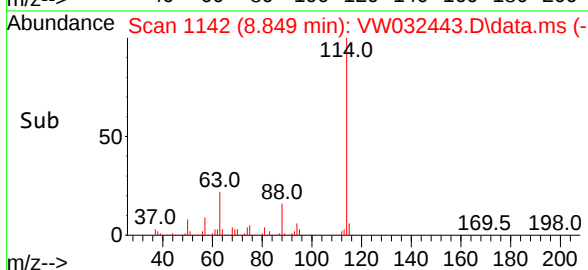
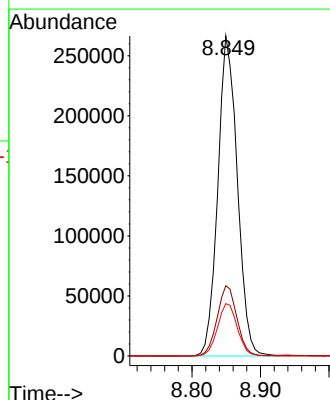
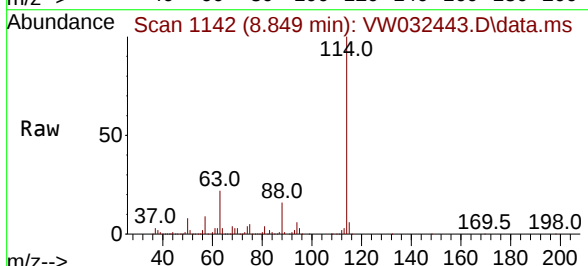
Tgt Ion: 114 Resp: 524938

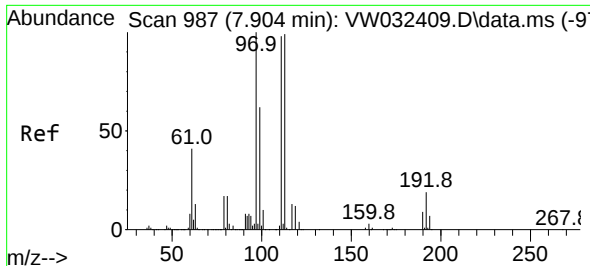
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 16.3 0.0 32.6

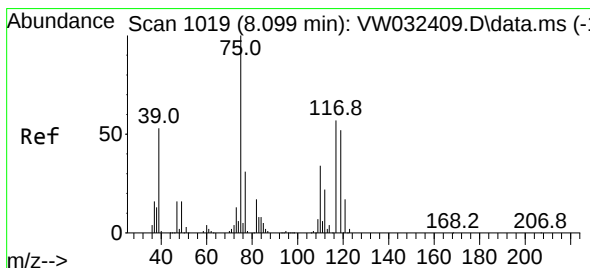
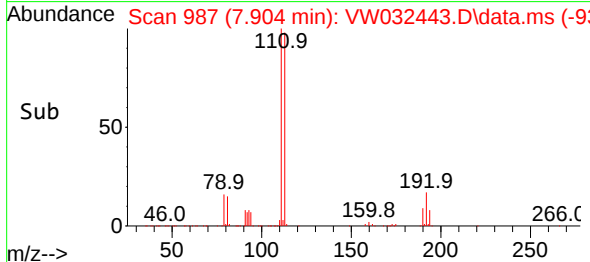
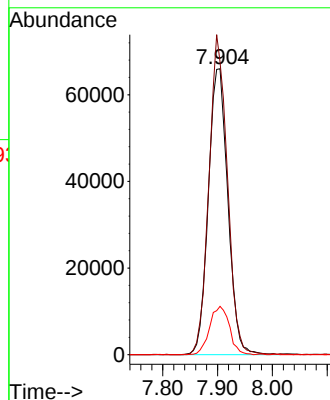
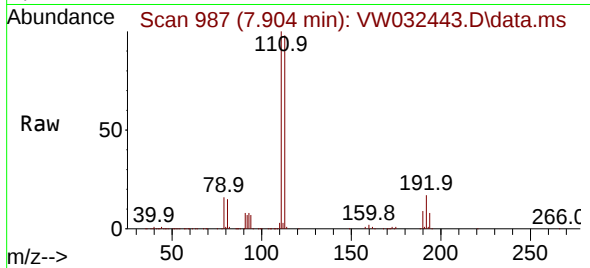




#35
Dibromofluoromethane
Concen: 51.847 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

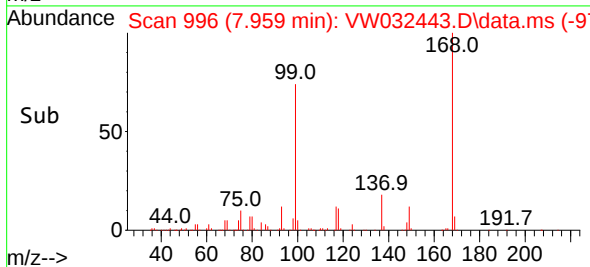
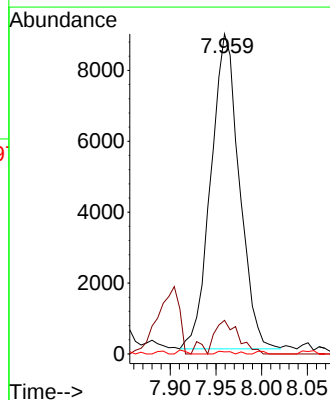
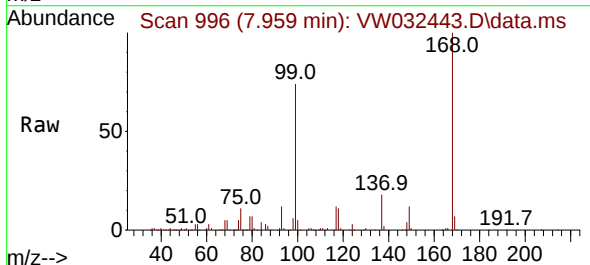
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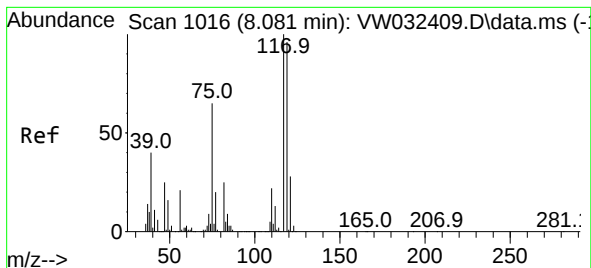
Tgt Ion:113 Resp: 162953
Ion Ratio Lower Upper
113 100
111 105.6 83.1 124.7
192 17.2 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.168 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion: 75 Resp: 19302
Ion Ratio Lower Upper
75 100
110 10.0 17.2 51.5#
77 0.5 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.639 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032443.D

Acq: 12 Nov 2025 16:43

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

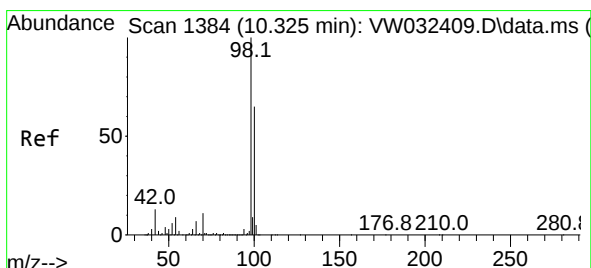
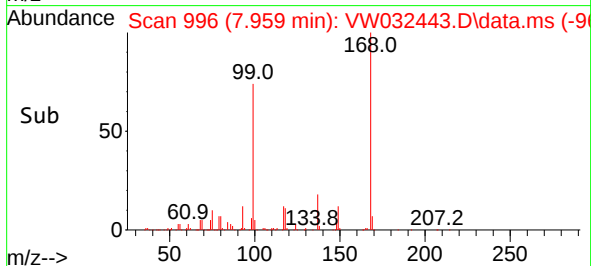
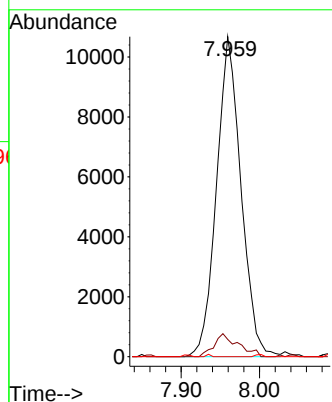
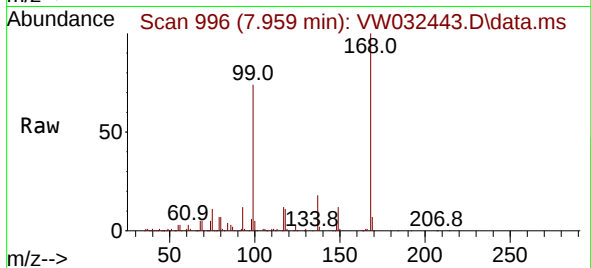
Tgt Ion:117 Resp: 23204

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.4#

121 0.0 22.0 33.0#



#50

Toluene-d8

Concen: 49.441 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032443.D

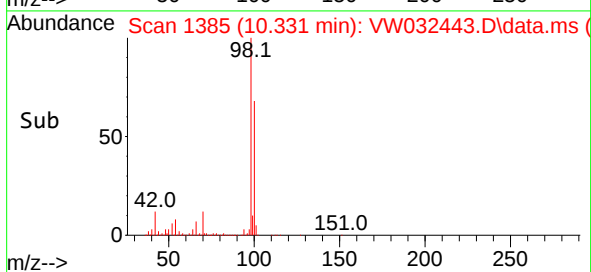
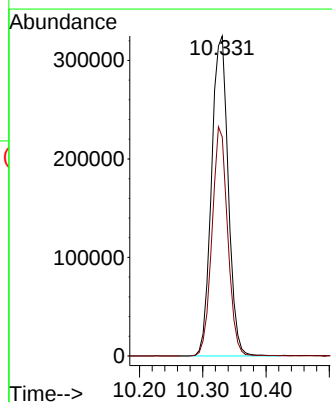
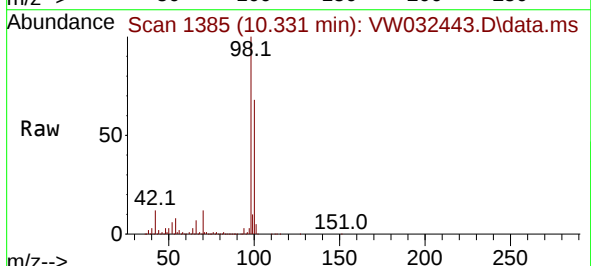
Acq: 12 Nov 2025 16:43

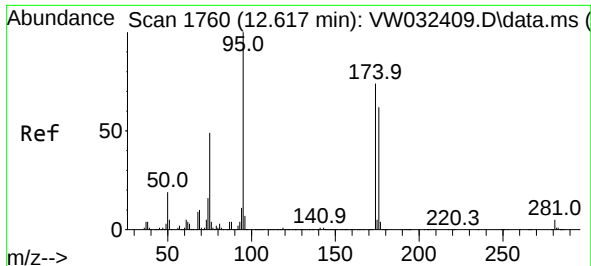
Tgt Ion: 98 Resp: 596127

Ion Ratio Lower Upper

98 100

100 67.3 53.3 79.9

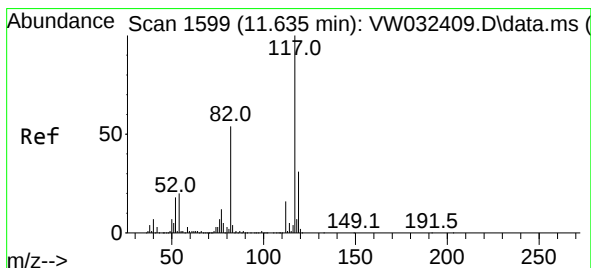
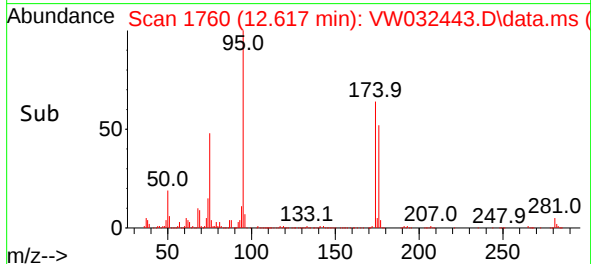
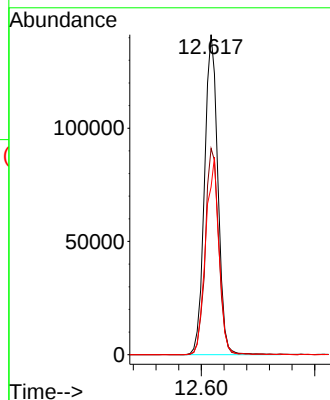
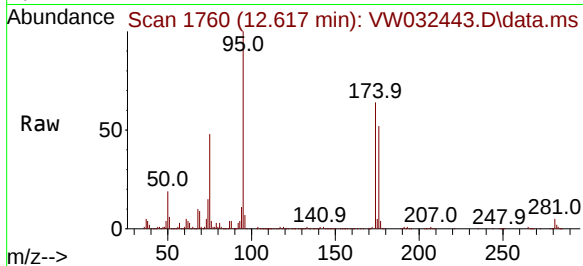




#62
4-Bromofluorobenzene
Concen: 50.728 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

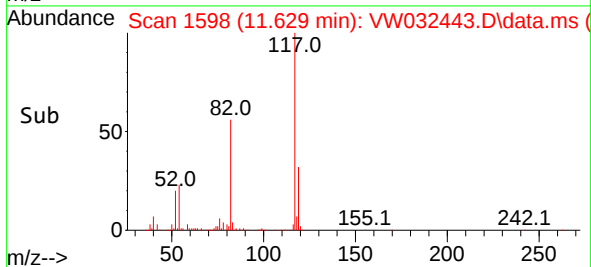
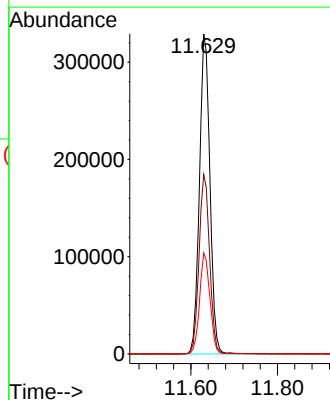
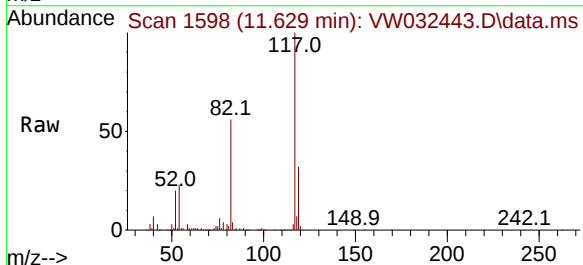
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

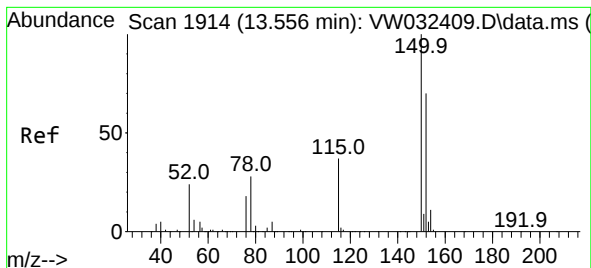
Tgt Ion: 95 Resp: 231056
Ion Ratio Lower Upper
95 100
174 64.8 0.0 135.4
176 61.7 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion: 117 Resp: 551681
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.4
119 31.6 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: VW032443.D

Acq: 12 Nov 2025 16:43

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

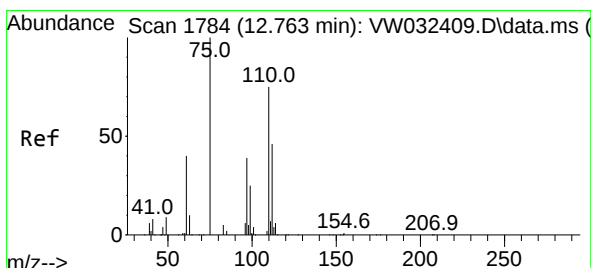
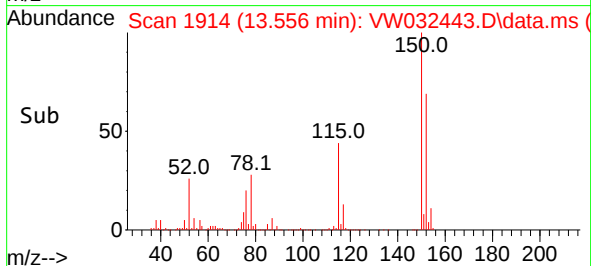
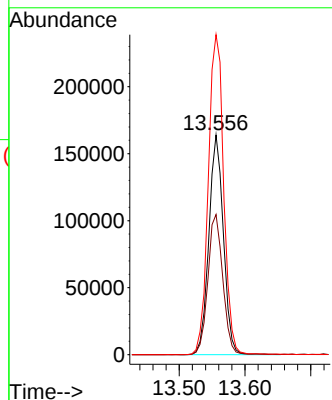
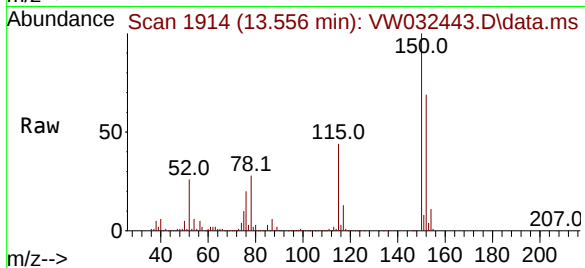
Tgt Ion:152 Resp: 252322

Ion Ratio Lower Upper

152 100

115 65.3 32.8 98.3

150 154.2 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 32.606 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032443.D

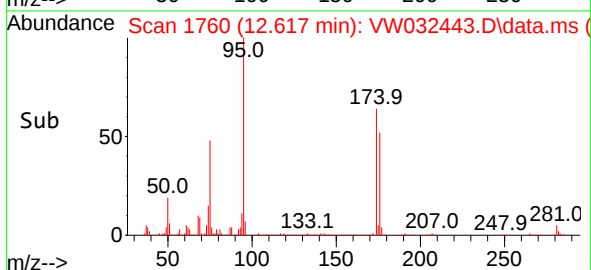
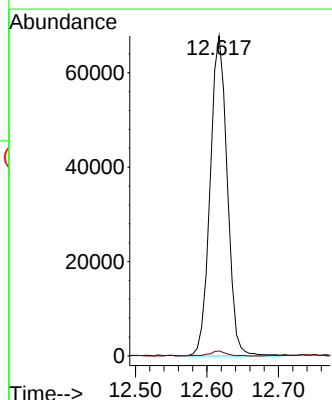
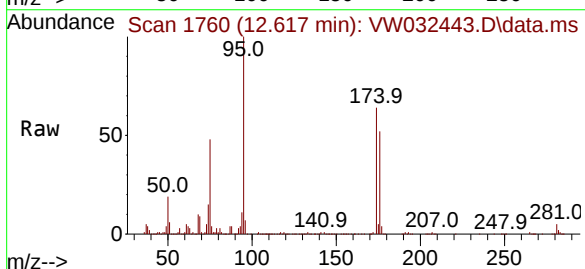
Acq: 12 Nov 2025 16:43

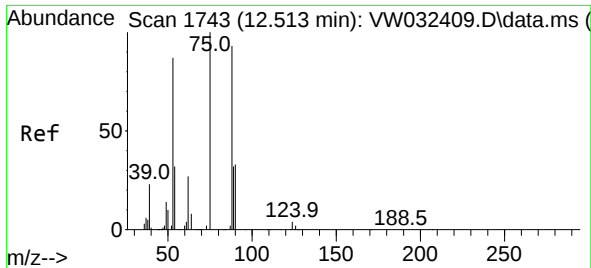
Tgt Ion: 75 Resp: 112807

Ion Ratio Lower Upper

75 100

77 1.5 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.681 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032443.D
 Acq: 12 Nov 2025 16:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 112807
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 35.6 53.4#

