

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032546.D
 Acq On : 26 Nov 2025 16:04
 Operator : SY/MD
 Sample : Q3719-07
 Misc : 3.36g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:29:31 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)

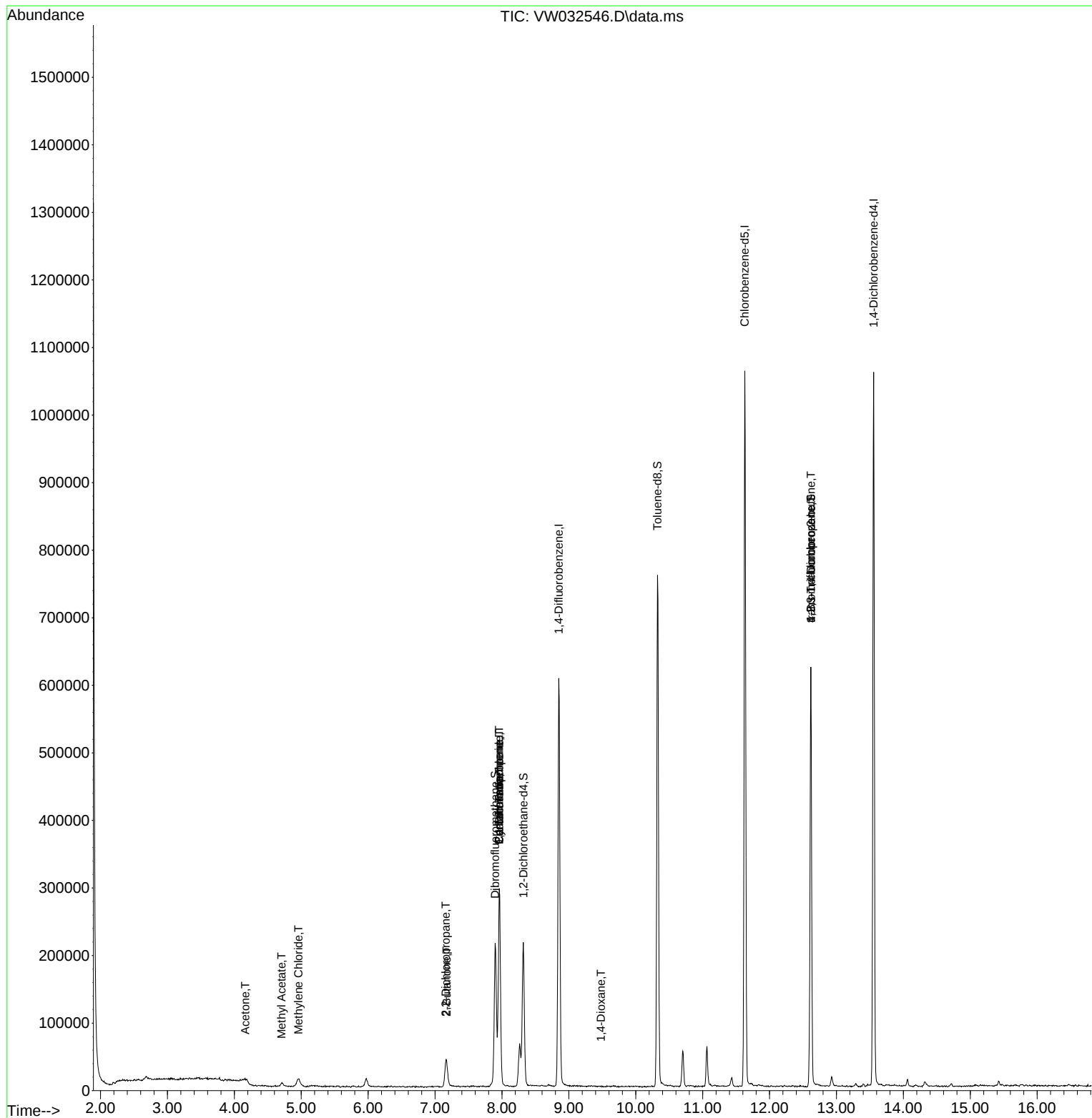
Internal Standards						
1) Pentafluorobenzene	7.959	168	200349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	492902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	550426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	245674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169930	65.788	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 131.580%		
35) Dibromofluoromethane	7.898	113	154613	52.391	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 104.780%		
50) Toluene-d8	10.325	98	495162	43.736	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 87.480%		
62) 4-Bromofluorobenzene	12.617	95	216969	50.732	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 101.460%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	2640	3.416	ug/l #	71
18) Methyl Acetate	4.704	43	10384	5.426	ug/l	95
20) Methylene Chloride	4.960	84	10879	3.937	ug/l #	85
25) 2-Butanone	7.173	43	2819	2.476	ug/l	91
26) 2,2-Dichloropropane	7.161	77	3368	1.308	ug/l #	54
31) Cyclohexane	7.959	56	5769	1.350	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20004	4.601	ug/l #	50
38) Carbon Tetrachloride	7.959	117	22538	5.834	ug/l #	17
49) 1,4-Dioxane	9.477	88	52	1.822	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	110632	32.842	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	110632	75.223	ug/l #	11

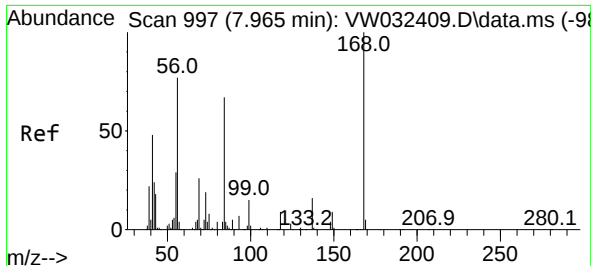
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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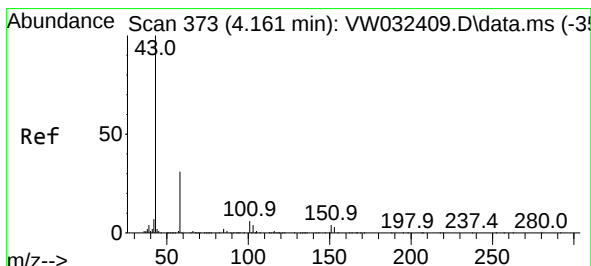
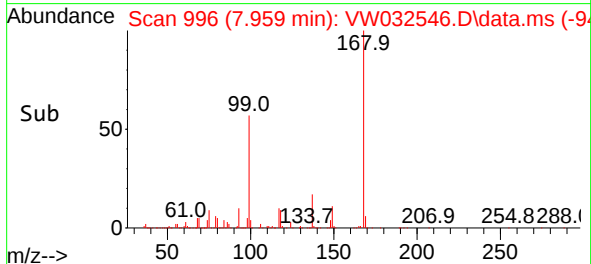
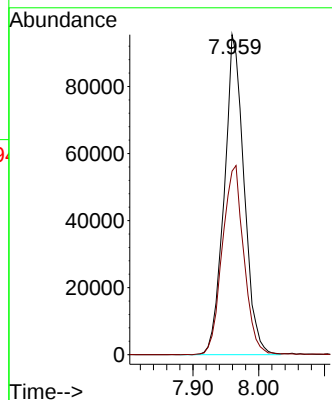
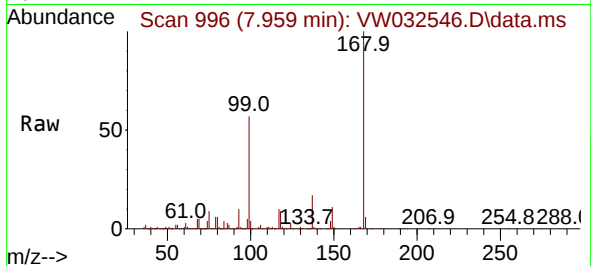




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

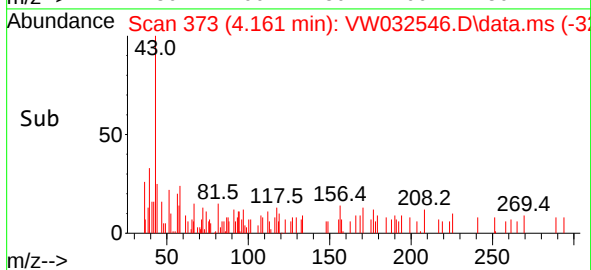
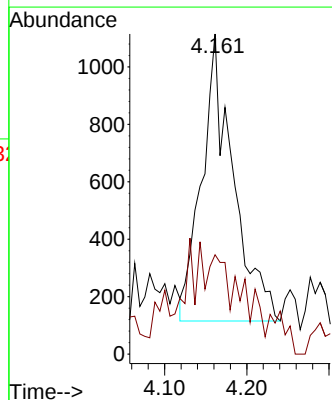
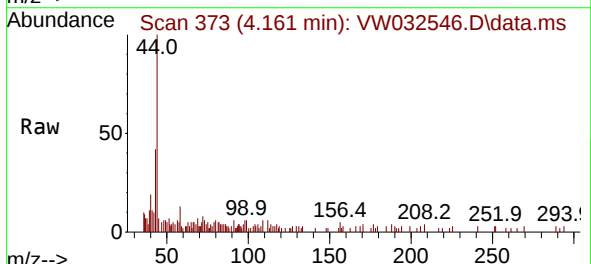
Instrument :
MSVOA_W
ClientSampleId :

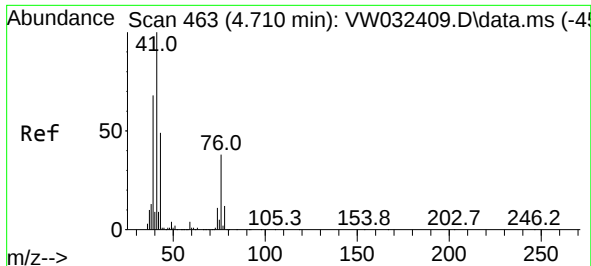
Tgt Ion:168 Resp: 200349
Ion Ratio Lower Upper
168 100
99 57.4 45.4 68.2



#16
Acetone
Concen: 3.416 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
58 15.2 24.8 37.2#

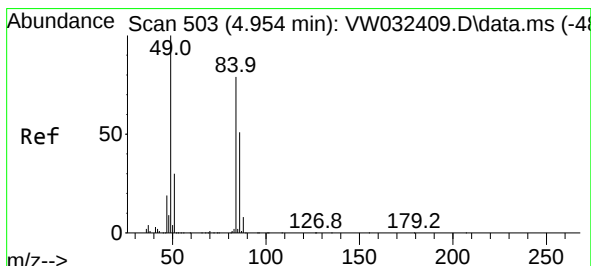
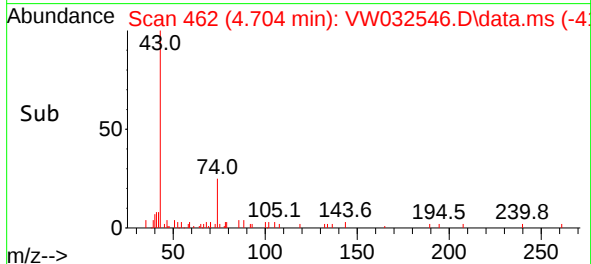
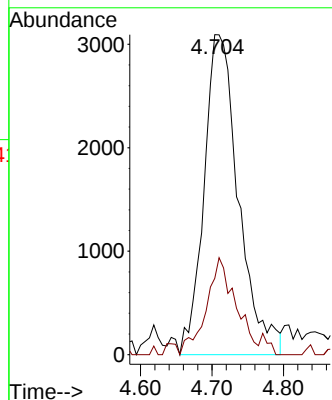
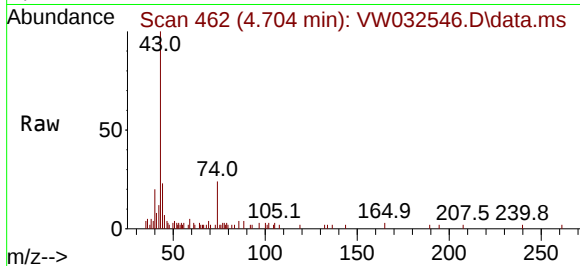




#18
Methyl Acetate
Concen: 5.426 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

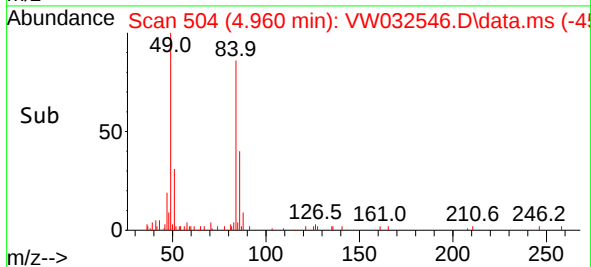
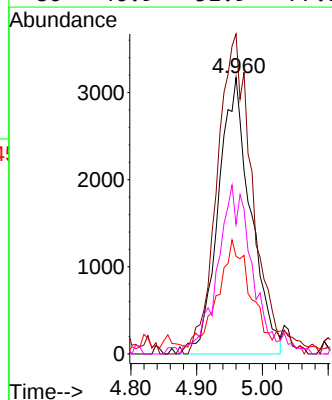
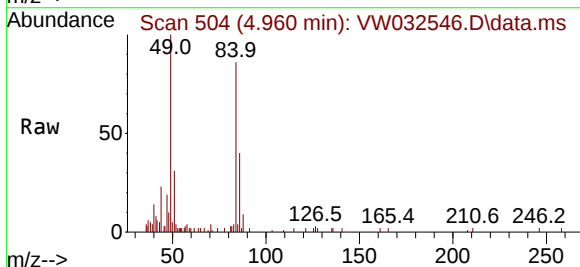
Instrument :
MSVOA_W
ClientSampleId :

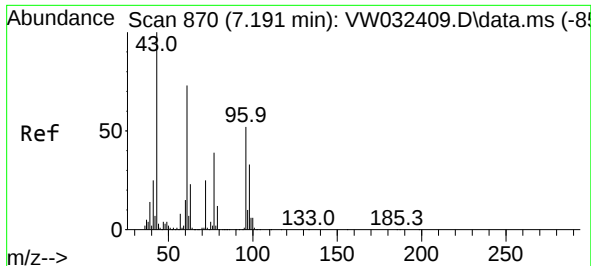
Tgt Ion: 43 Resp: 10384
Ion Ratio Lower Upper
43 100
74 25.9 18.9 28.3



#20
Methylene Chloride
Concen: 3.937 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 84 Resp: 10879
Ion Ratio Lower Upper
84 100
49 113.1 101.5 152.3
51 32.0 30.6 46.0
86 46.9 51.9 77.9#

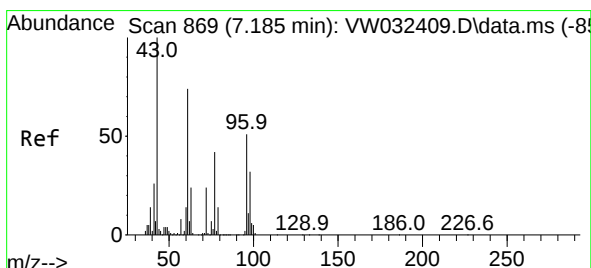
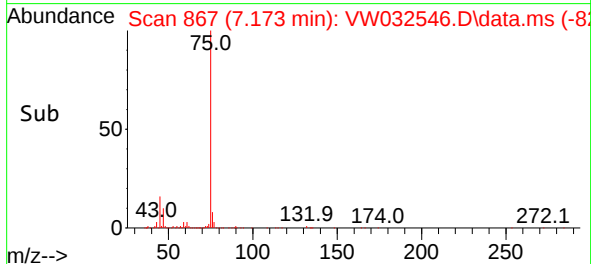
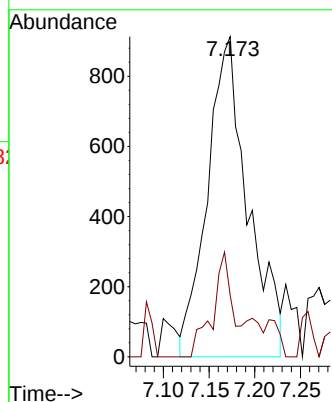
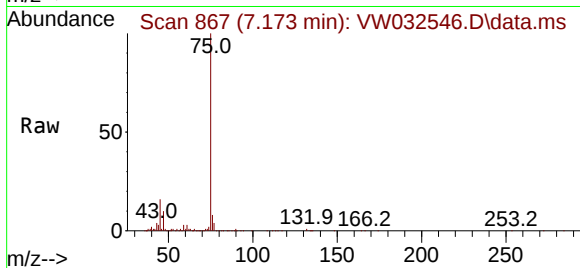




#25
2-Butanone
Concen: 2.476 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

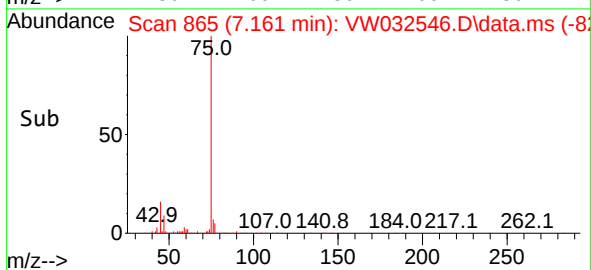
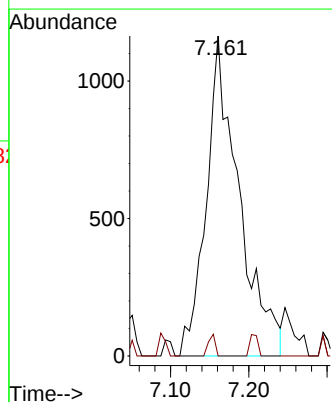
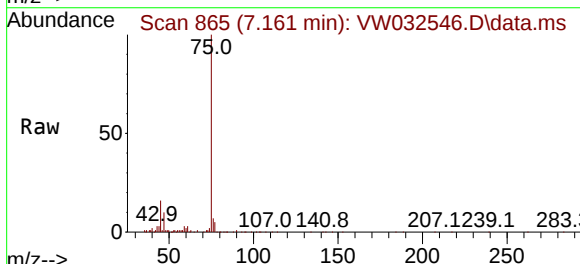
Instrument :
MSVOA_W
ClientSampleId :

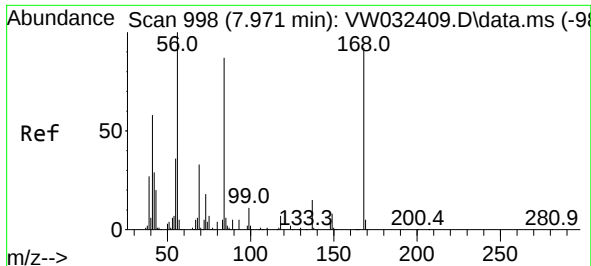
Tgt Ion: 43 Resp: 2819
Ion Ratio Lower Upper
43 100
72 20.7 20.0 30.0



#26
2,2-Dichloropropane
Concen: 1.308 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.024 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

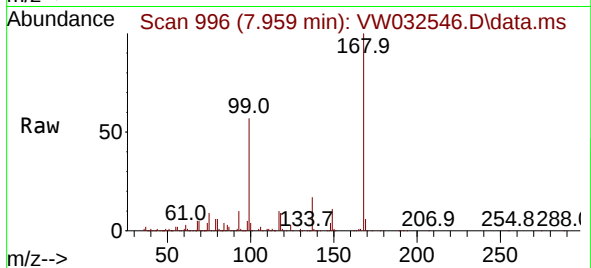
Tgt Ion: 77 Resp: 3368
Ion Ratio Lower Upper
77 100
97 1.4 12.3 36.8#



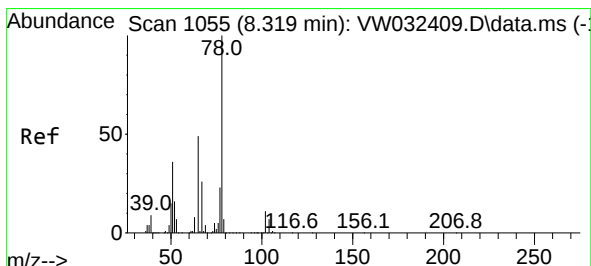
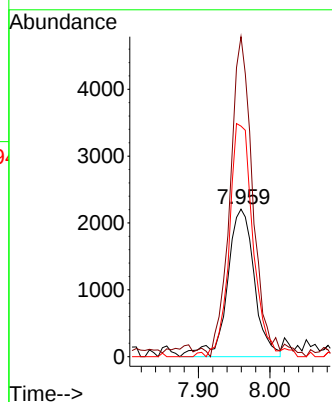
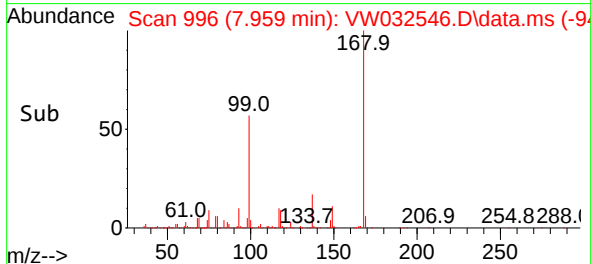


#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Instrument :
MSVOA_W
ClientSampleId :

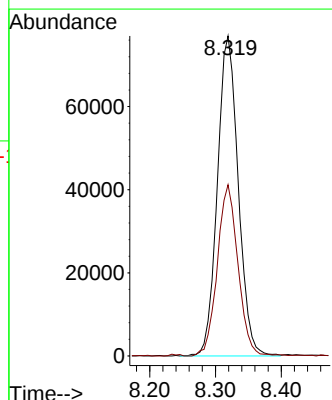
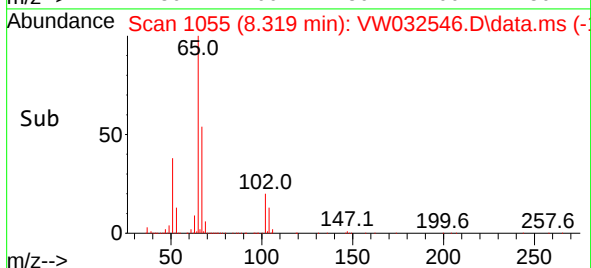
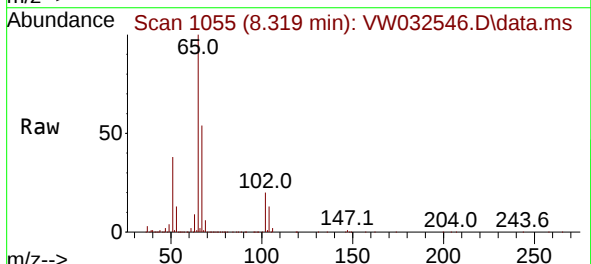


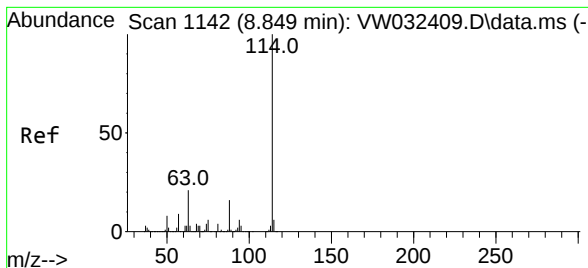
Tgt Ion: 56 Resp: 5769
Ion Ratio Lower Upper
56 100
69 212.8 26.5 39.7#
84 156.3 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 65.788 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 65 Resp: 169930
Ion Ratio Lower Upper
65 100
67 53.1 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: VW032546.D

Acq: 26 Nov 2025 16:04

Instrument :

MSVOA_W

ClientSampleId :

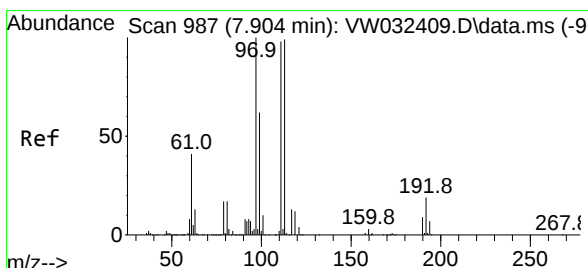
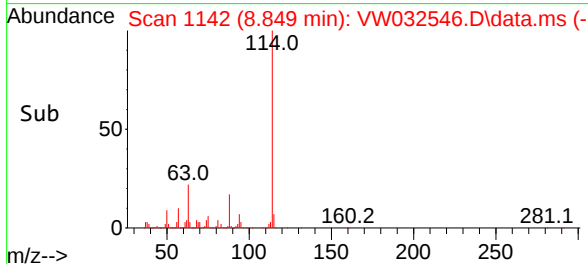
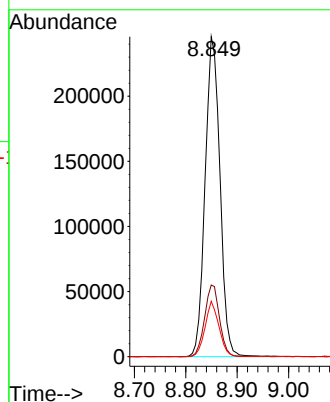
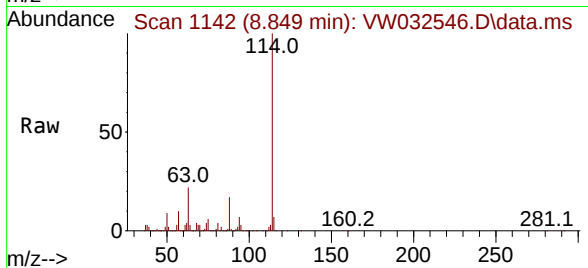
Tgt Ion:114 Resp: 492902

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.391 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

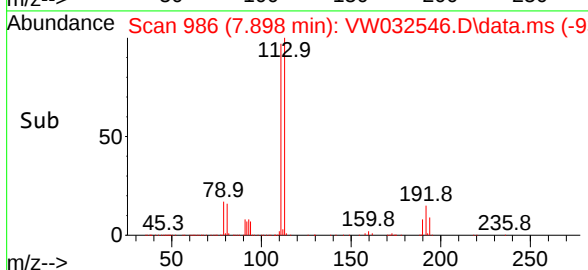
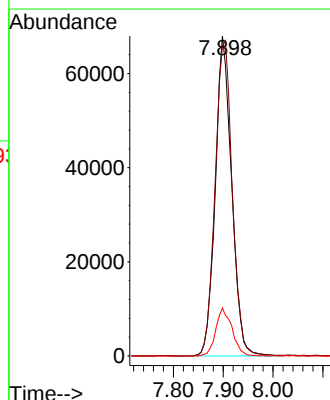
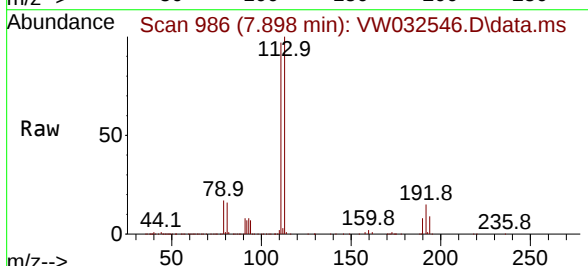
Tgt Ion:113 Resp: 154613

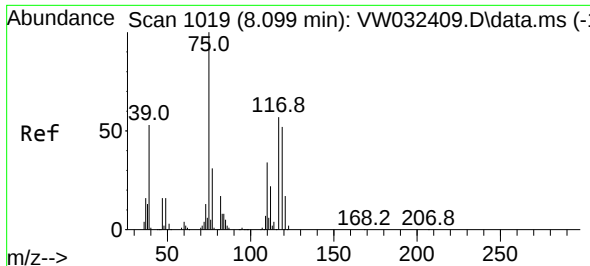
Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

192 14.9 13.4 20.2

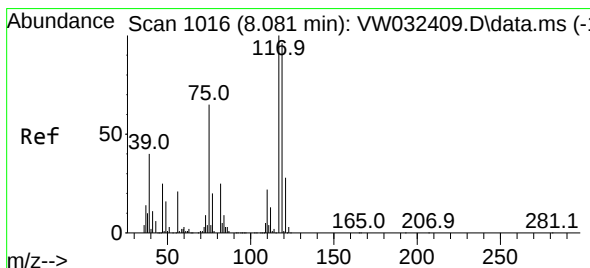
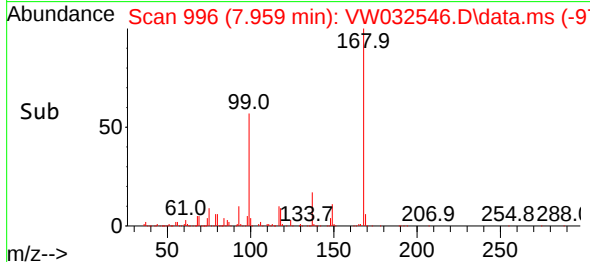
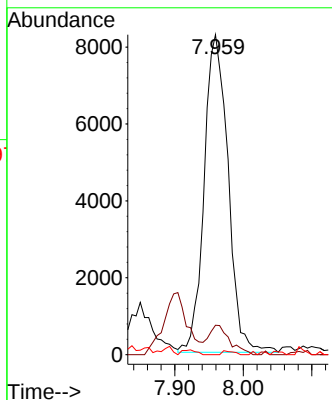
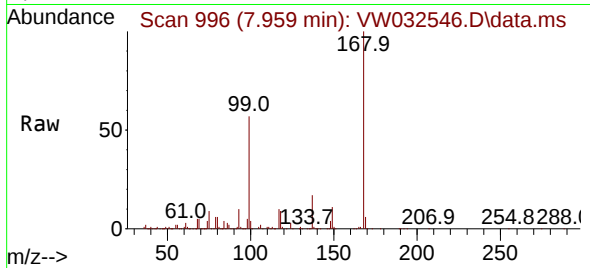




#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032546.D
 Acq: 26 Nov 2025 16:04

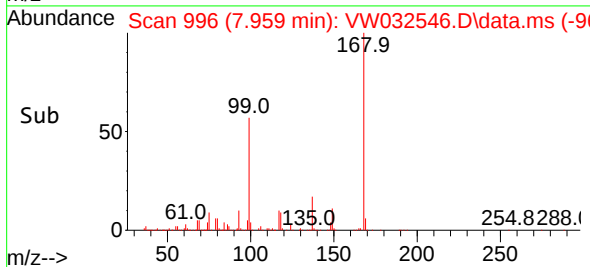
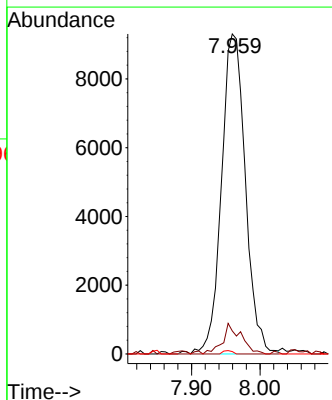
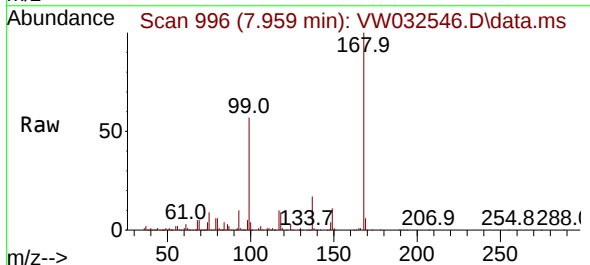
Instrument :
 MSVOA_W
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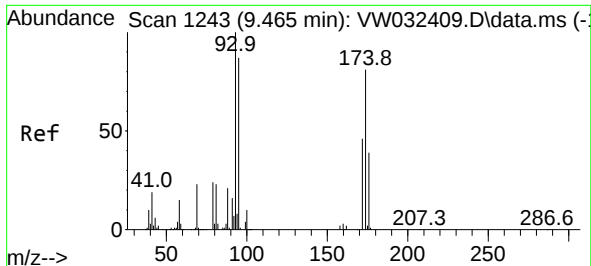
Tgt Ion: 75 Resp: 20004
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.2 51.5#
 77 0.6 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.834 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032546.D
 Acq: 26 Nov 2025 16:04

Tgt Ion: 117 Resp: 22538
 Ion Ratio Lower Upper
 117 100
 119 6.7 77.0 115.4#
 121 0.8 22.0 33.0#





#49

1,4-Dioxane

Concen: 1.822 ug/l

RT: 9.477 min Scan# 11

Delta R.T. 0.012 min

Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

Instrument :

MSVOA_W

ClientSampleId :

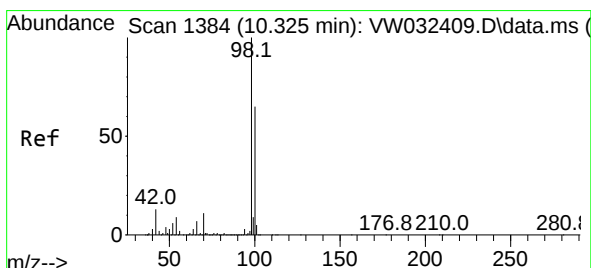
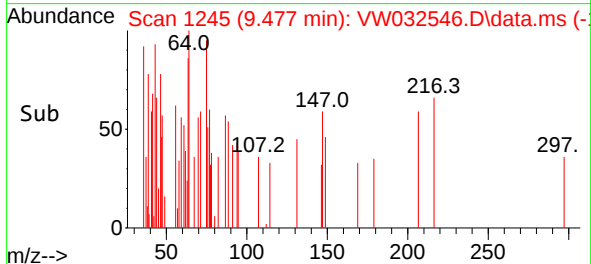
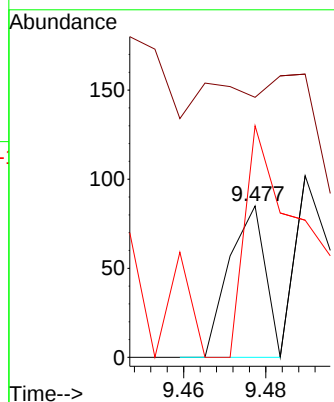
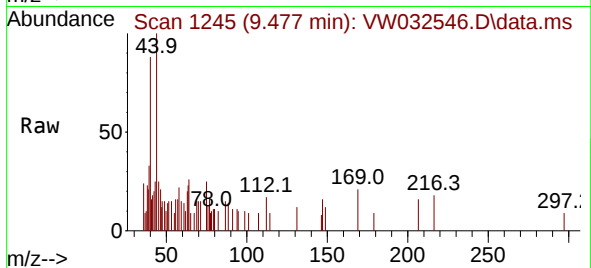
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 242.3 63.0 94.4#



#50

Toluene-d8

Concen: 43.736 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032546.D

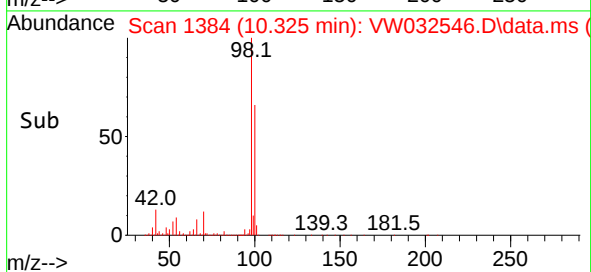
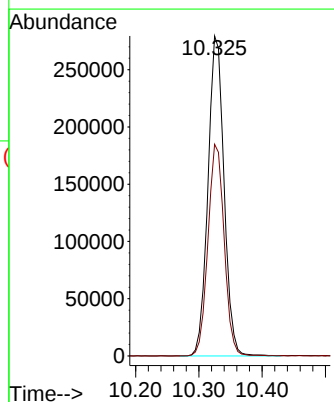
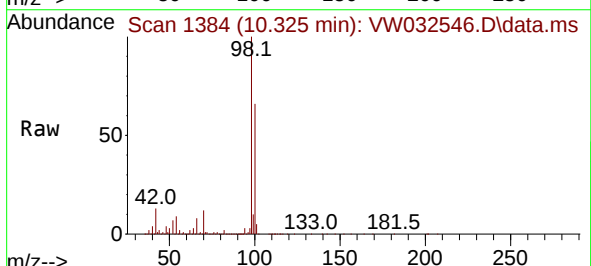
Acq: 26 Nov 2025 16:04

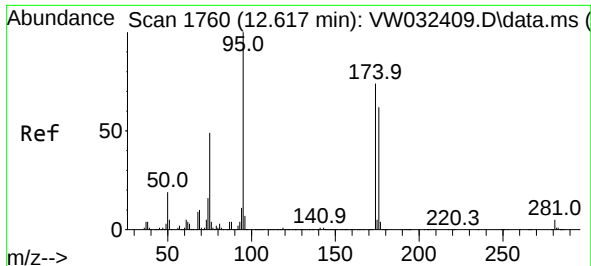
Tgt Ion: 98 Resp: 495162

Ion Ratio Lower Upper

98 100

100 66.7 53.3 79.9

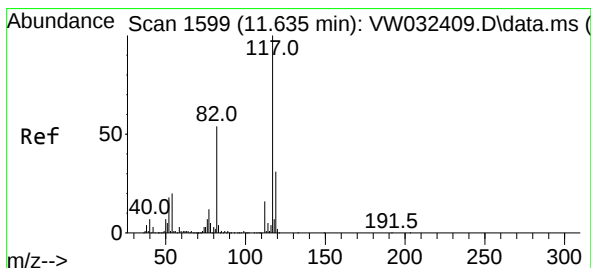
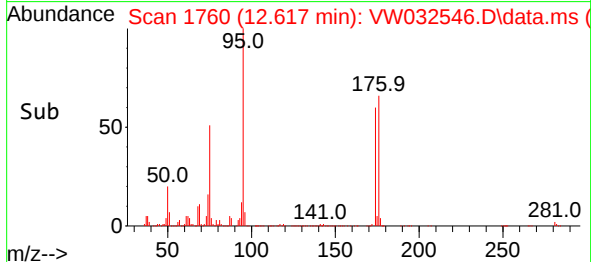
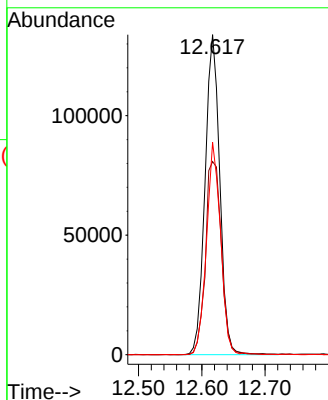
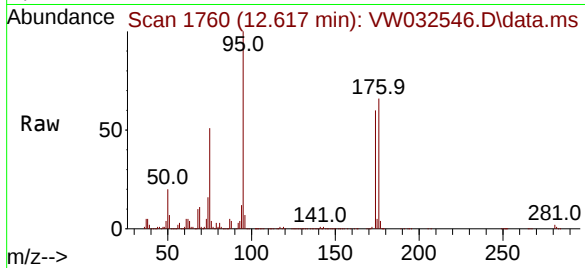




#62
4-Bromofluorobenzene
Concen: 50.732 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

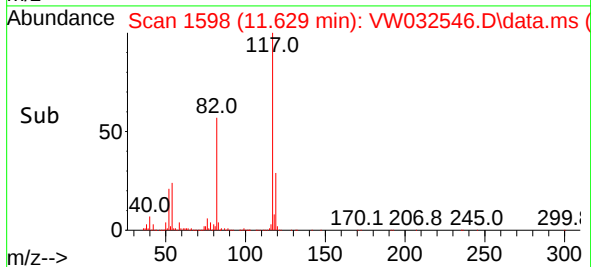
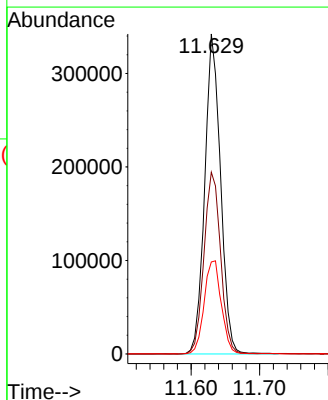
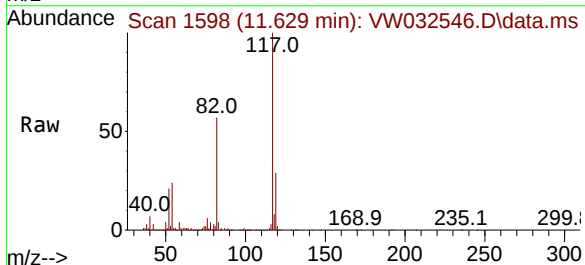
Instrument :
MSVOA_W
ClientSampleId :

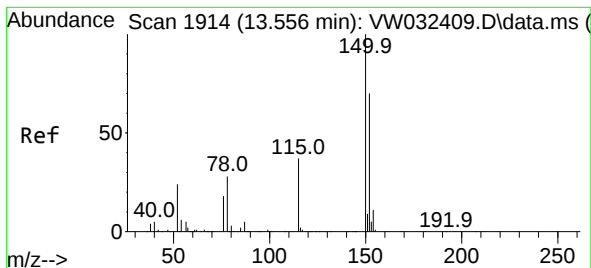
Tgt Ion: 95 Resp: 216969
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.4
176 63.9 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032546.D
Acq: 26 Nov 2025 16:04

Tgt Ion: 117 Resp: 550426
Ion Ratio Lower Upper
117 100
82 56.8 43.0 64.4
119 28.7 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

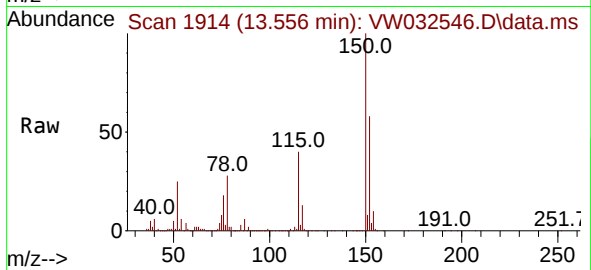
Lab File: VW032546.D

Acq: 26 Nov 2025 16:04

Instrument :

MSVOA_W

ClientSampleId :



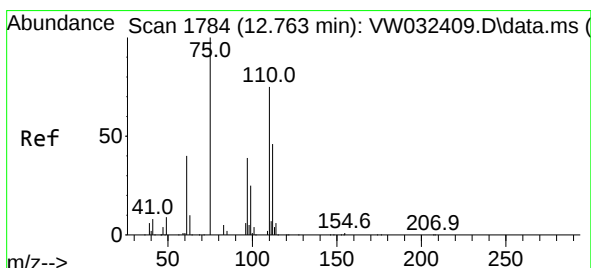
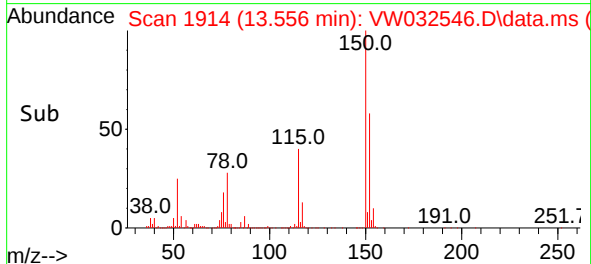
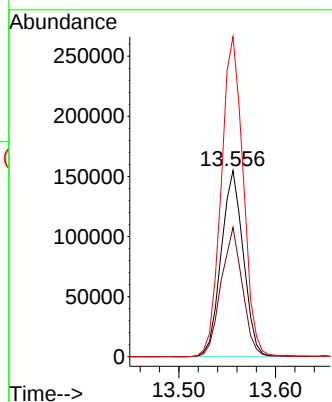
Tgt Ion:152 Resp: 245674

Ion Ratio Lower Upper

152 100

115 67.5 32.8 98.3

150 171.6 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 32.842 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032546.D

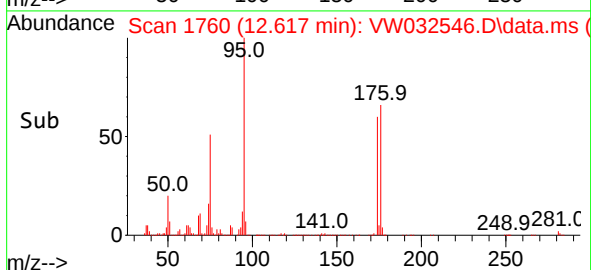
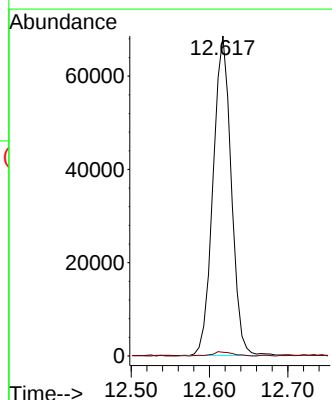
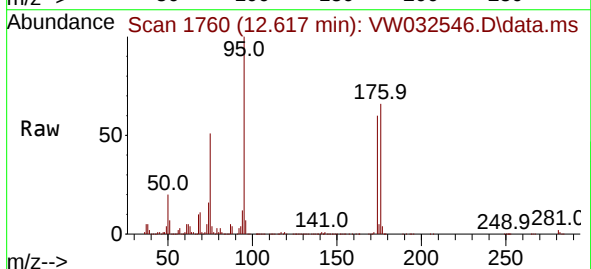
Acq: 26 Nov 2025 16:04

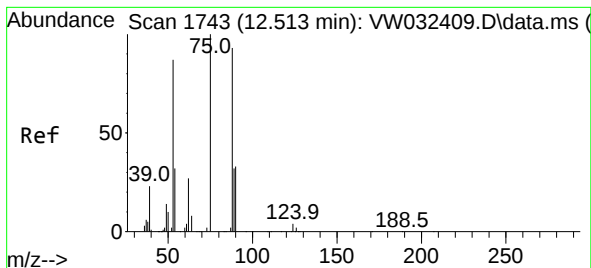
Tgt Ion: 75 Resp: 110632

Ion Ratio Lower Upper

75 100

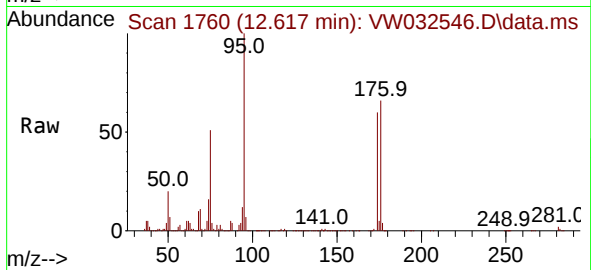
77 1.5 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.223 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032546.D
 Acq: 26 Nov 2025 16:04

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 110632
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 35.6 53.4#

