

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032453.D
 Acq On : 17 Nov 2025 13:26
 Operator : SY/MD
 Sample : Q3621-01
 Misc : 6.61g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-231

Quant Time: Nov 18 03:03:49 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	214672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	519225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	582463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	270084	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	187434	67.724	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	135.440%	
35) Dibromofluoromethane	7.898	113	166698	53.623	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	107.240%	
50) Toluene-d8	10.325	98	599605	50.277	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	100.560%	
62) 4-Bromofluorobenzene	12.617	95	248277	55.109	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	110.220%	

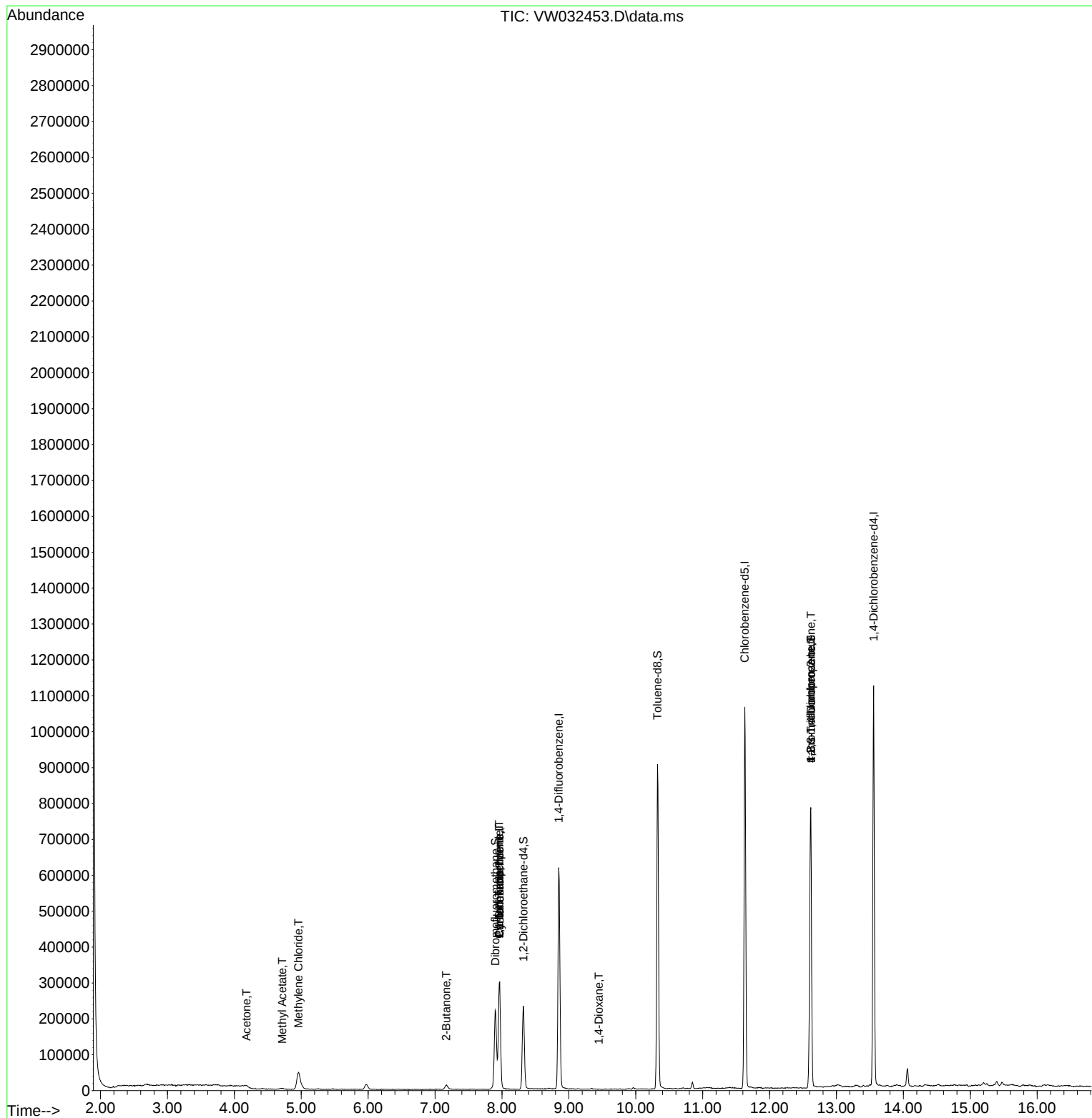
Target Compounds					Qvalue	
16) Acetone	4.180	43	2527	3.052	ug/l #	88
18) Methyl Acetate	4.716	43	6011	2.932	ug/l	93
20) Methylene Chloride	4.960	84	41526	14.024	ug/l	98
25) 2-Butanone	7.167	43	1440	1.180	ug/l #	81
31) Cyclohexane	7.965	56	5369	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20024	4.372	ug/l #	51
38) Carbon Tetrachloride	7.959	117	23031	5.659	ug/l #	17
49) 1,4-Dioxane	9.447	88	82	2.727	ug/l #	55
76) 1,2,3-Trichloropropane	12.617	75	125200	33.808	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	125200	77.435	ug/l #	11

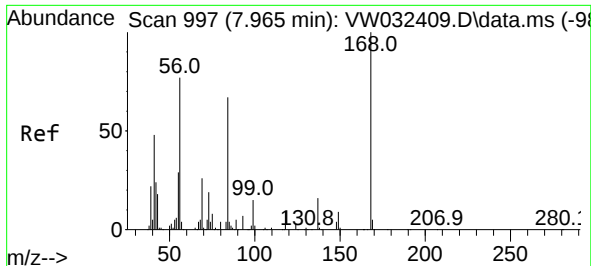
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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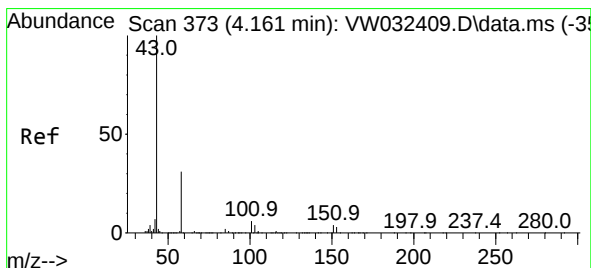
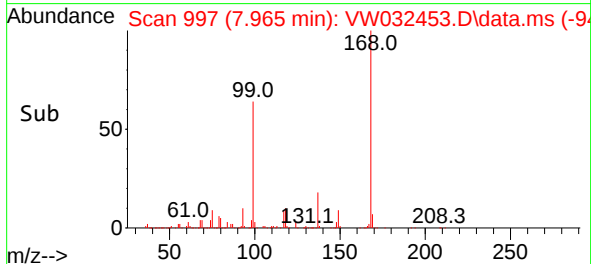
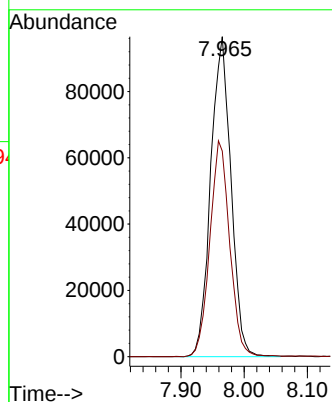
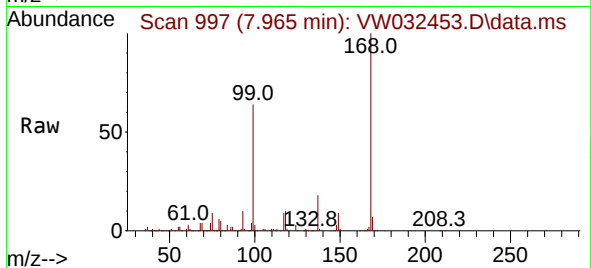




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

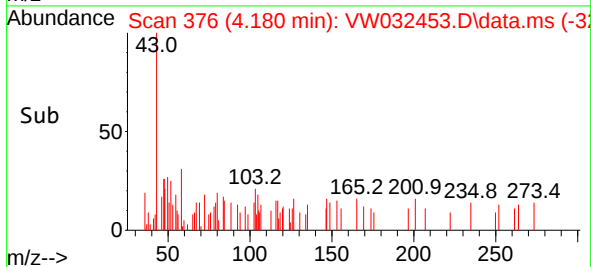
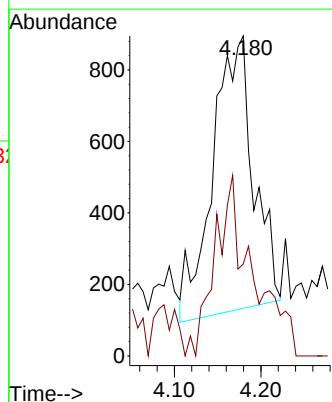
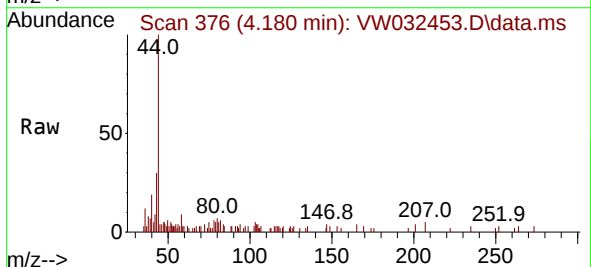
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MSVOA_W
ClientSampleId :
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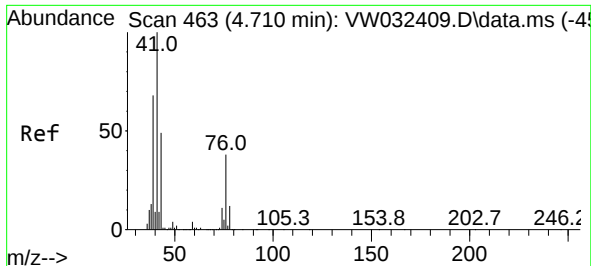
Tgt Ion:168 Resp: 214672
Ion Ratio Lower Upper
168 100
99 64.2 45.4 68.2



#16
Acetone
Concen: 3.052 ug/l
RT: 4.180 min Scan# 376
Delta R.T. 0.019 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
58 24.6 24.8 37.2#

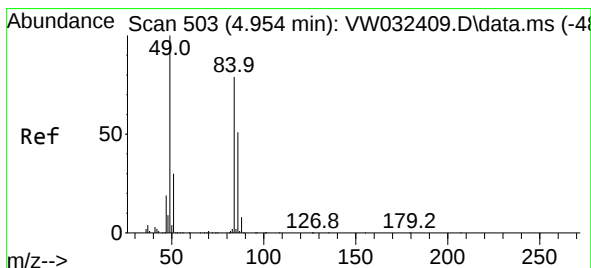
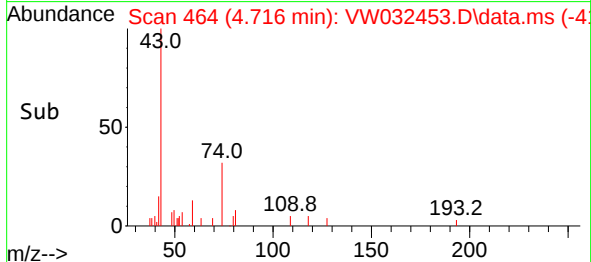
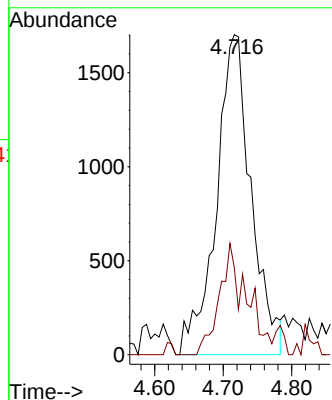
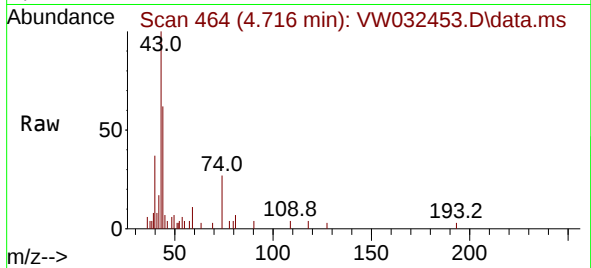




#18
Methyl Acetate
Concen: 2.932 ug/l
RT: 4.716 min Scan# 410
Delta R.T. 0.006 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

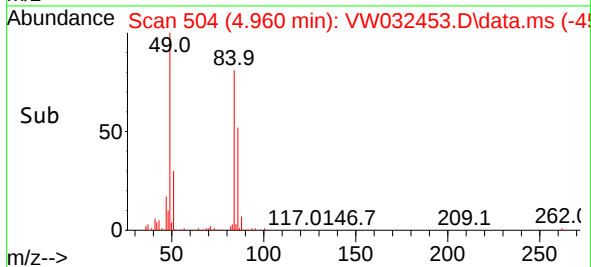
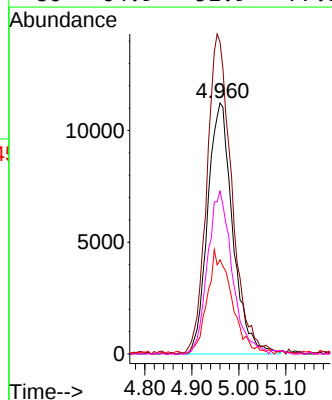
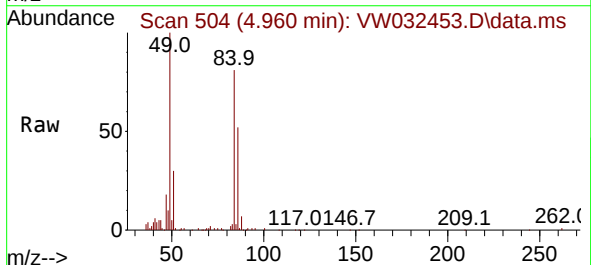
Instrument :
MSVOA_W
ClientSampleId :
VNJ-231

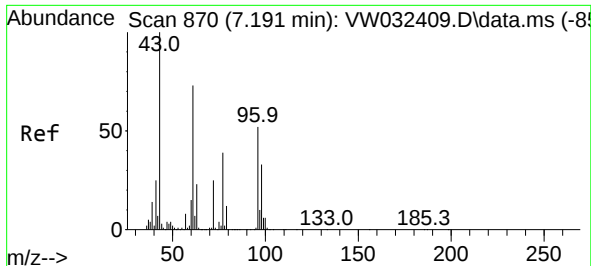
Tgt Ion: 43 Resp: 6011
Ion Ratio Lower Upper
43 100
74 27.0 18.9 28.3



#20
Methylene Chloride
Concen: 14.024 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion: 84 Resp: 41526
Ion Ratio Lower Upper
84 100
49 123.4 101.5 152.3
51 36.7 30.6 46.0
86 64.9 51.9 77.9

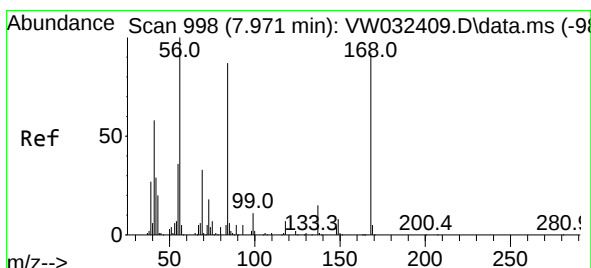
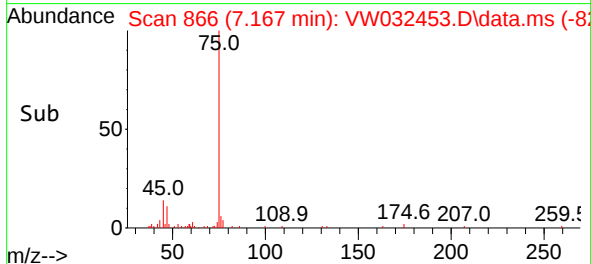
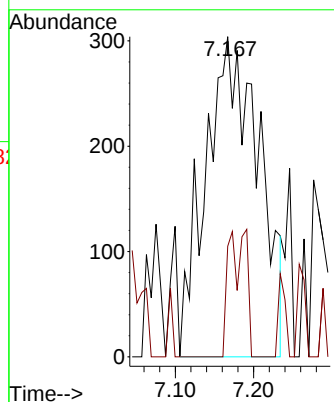
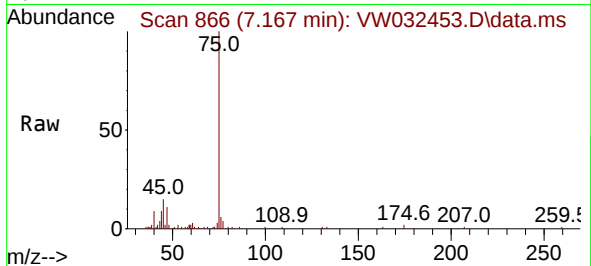




#25
2-Butanone
Concen: 1.180 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

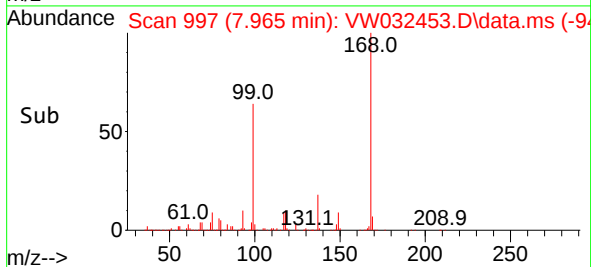
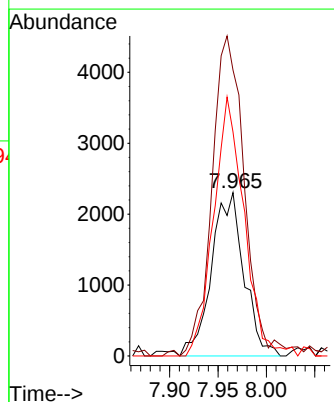
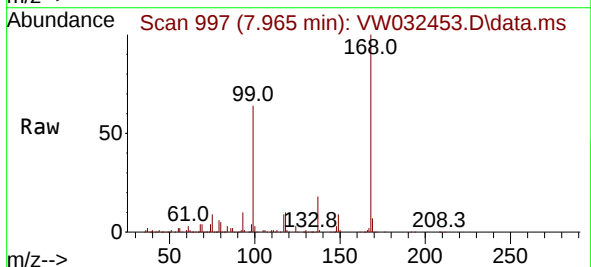
Instrument :
MSVOA_W
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VNJ-231

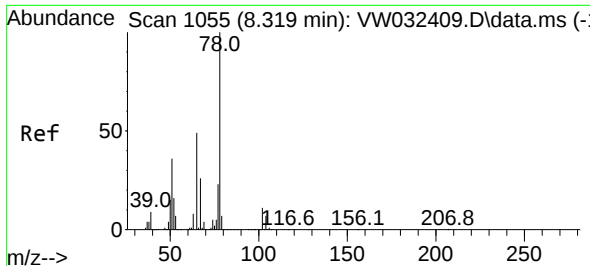
Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
72 34.5 20.0 30.0#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion: 56 Resp: 5369
Ion Ratio Lower Upper
56 100
69 175.0 26.5 39.7#
84 137.1 69.6 104.4#

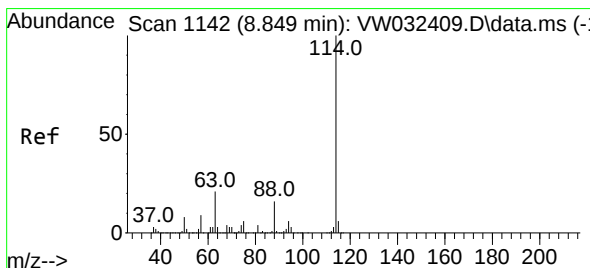
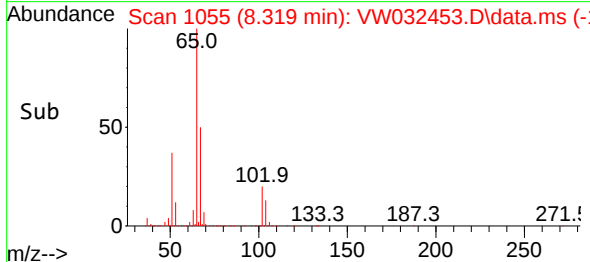
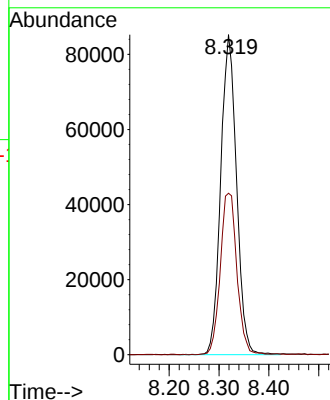
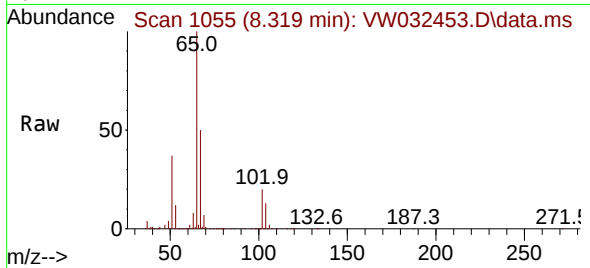




#33
 1,2-Dichloroethane-d4
 Concen: 67.724 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032453.D
 Acq: 17 Nov 2025 13:26

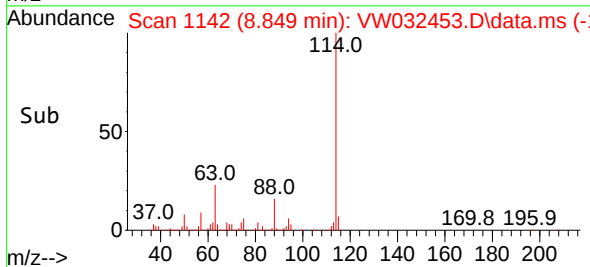
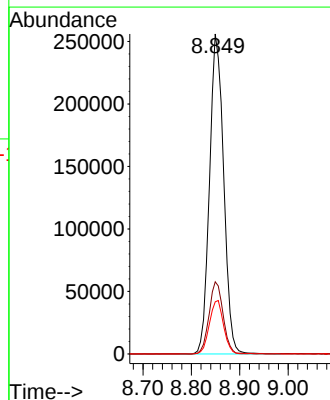
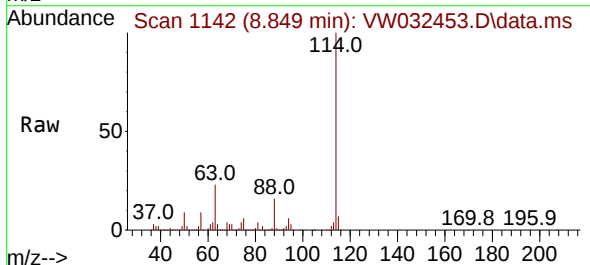
Instrument :
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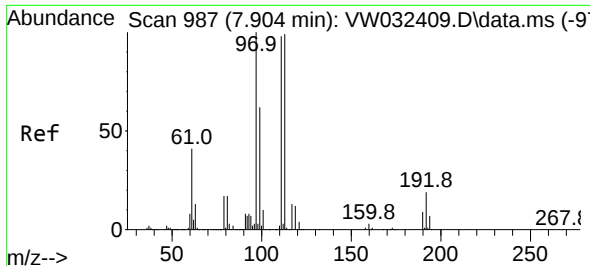
Tgt Ion: 65 Resp: 187434
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032453.D
 Acq: 17 Nov 2025 13:26

Tgt Ion: 114 Resp: 519225
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.8
 88 16.3 0.0 32.6

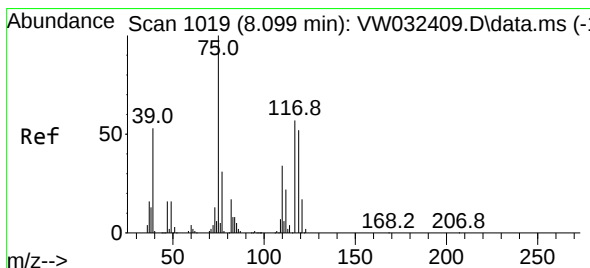
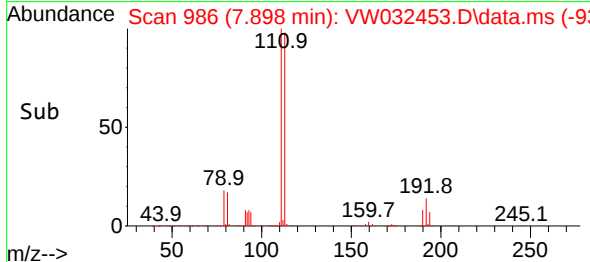
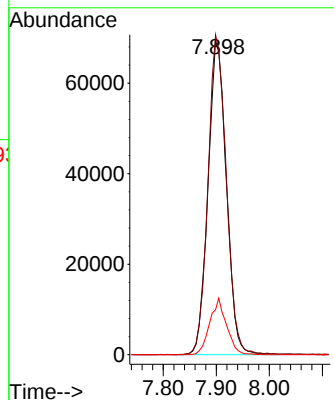
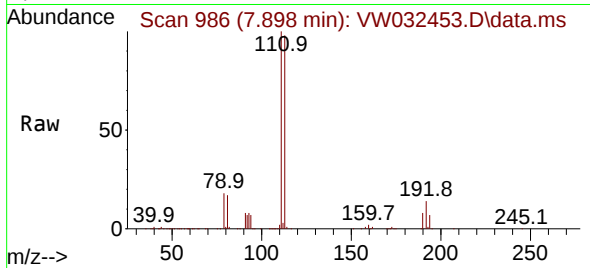




#35
Dibromofluoromethane
Concen: 53.623 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

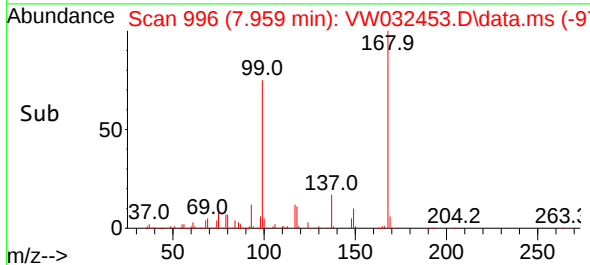
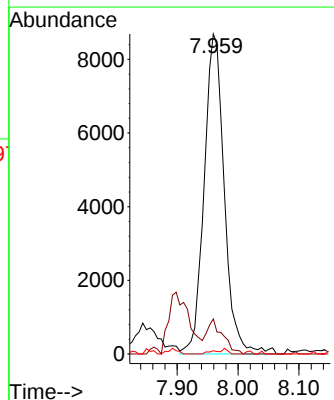
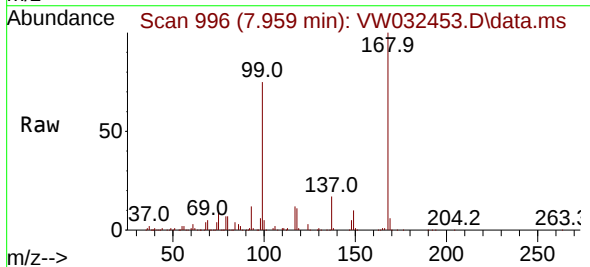
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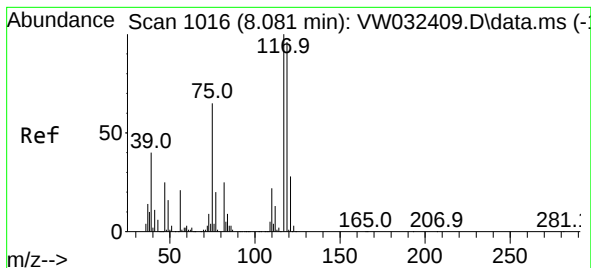
Tgt Ion:113 Resp: 166698
Ion Ratio Lower Upper
113 100
111 101.9 83.1 124.7
192 16.4 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.372 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion: 75 Resp: 20024
Ion Ratio Lower Upper
75 100
110 8.4 17.2 51.5#
77 1.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032453.D

Acq: 17 Nov 2025 13:26

Instrument :

MSVOA_W

ClientSampleId :

VNJ-231

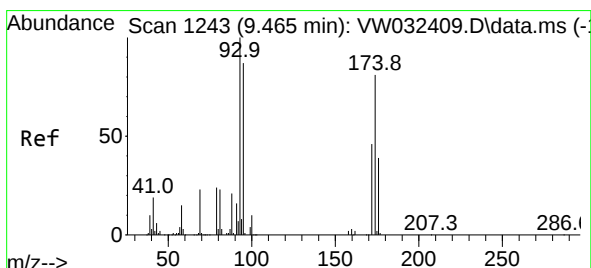
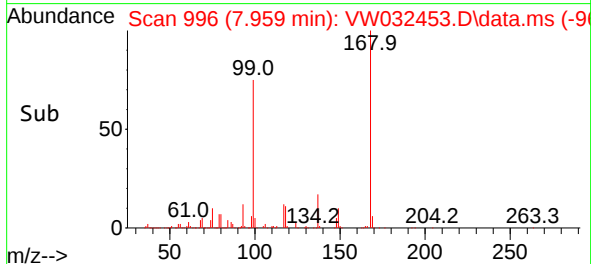
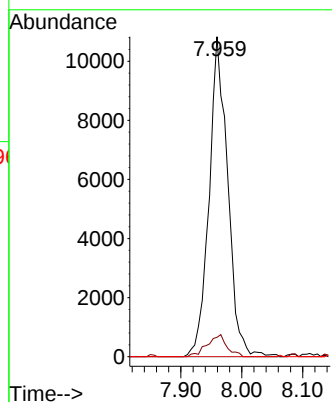
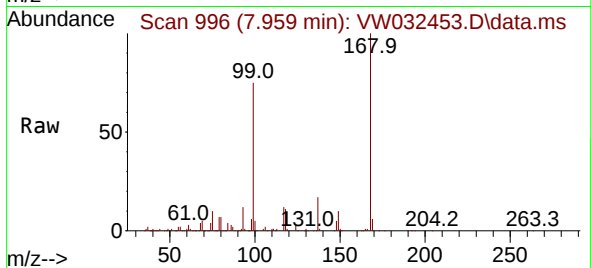
Tgt Ion:117 Resp: 23031

Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 2.727 ug/l

RT: 9.447 min Scan# 1240

Delta R.T. -0.018 min

Lab File: VW032453.D

Acq: 17 Nov 2025 13:26

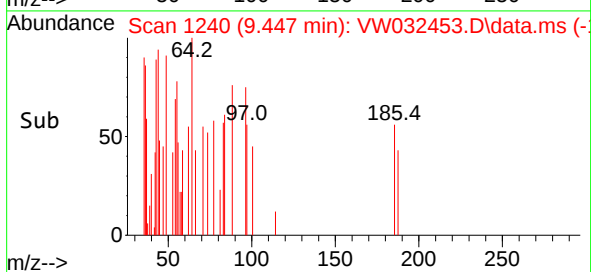
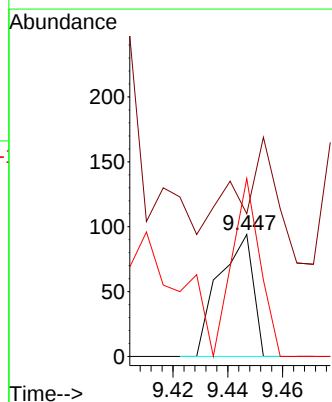
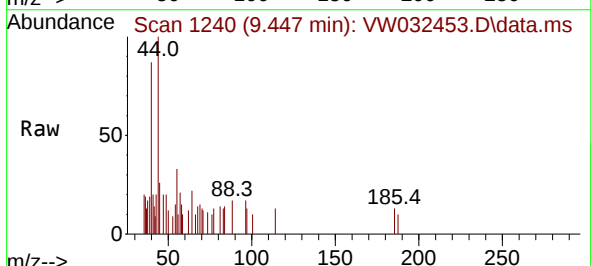
Tgt Ion: 88 Resp: 82

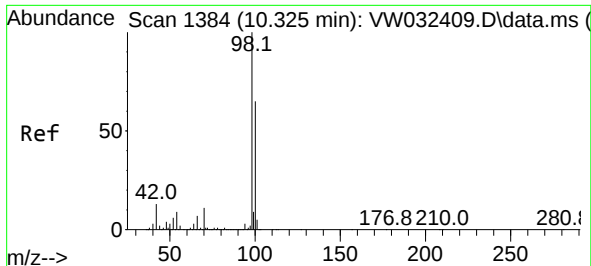
Ion Ratio Lower Upper

88 100

43 142.7 0.0 0.0#

58 118.3 63.0 94.4#

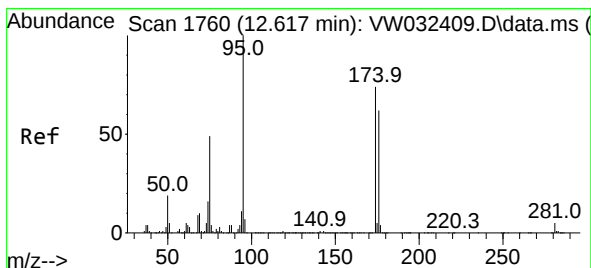
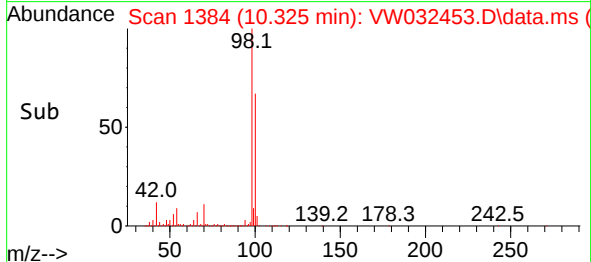
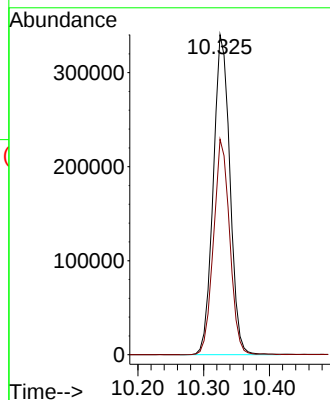
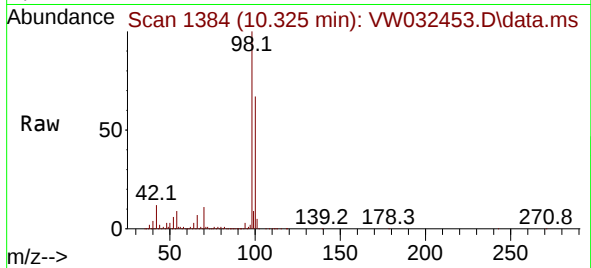




#50
Toluene-d8
Concen: 50.277 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

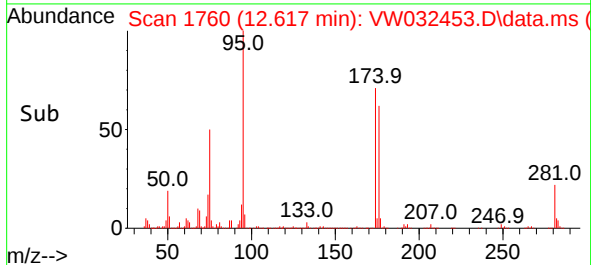
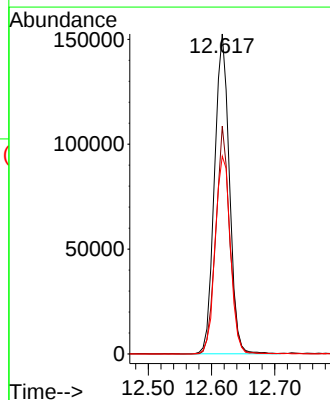
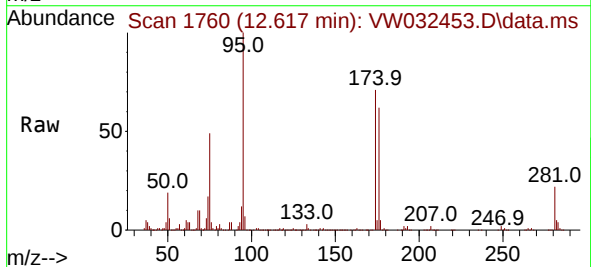
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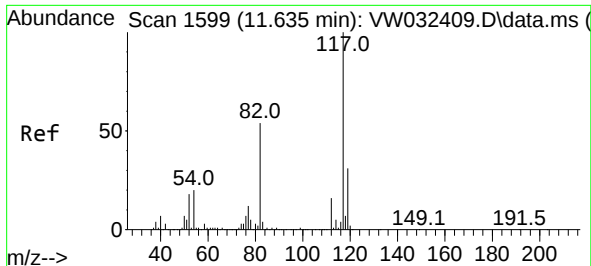
Tgt Ion: 98 Resp: 599605
Ion Ratio Lower Upper
98 100
100 65.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.109 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion: 95 Resp: 248277
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.4
176 63.6 0.0 131.8

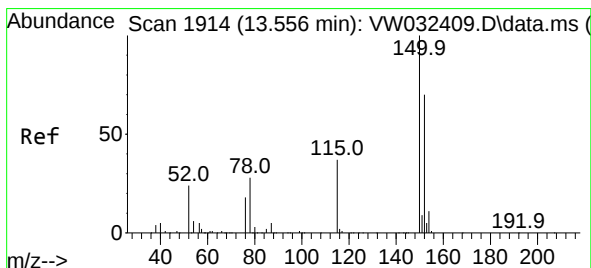
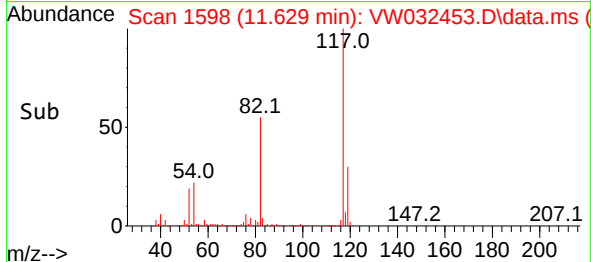
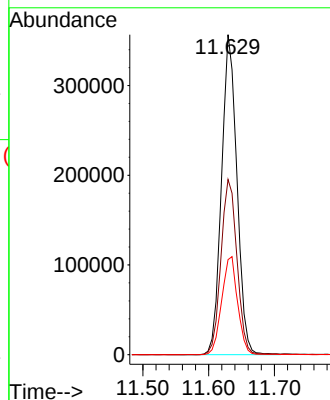
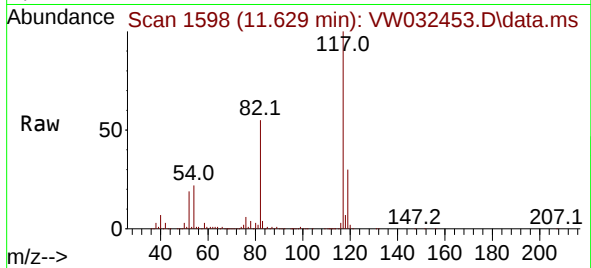




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

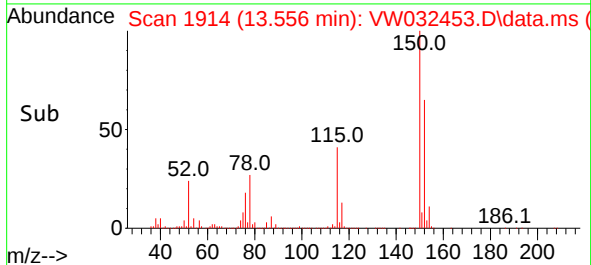
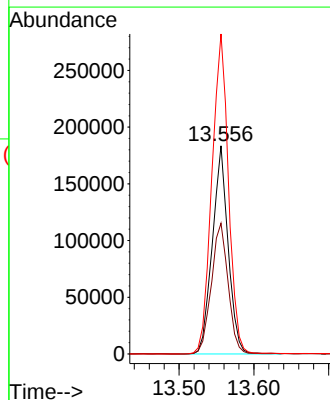
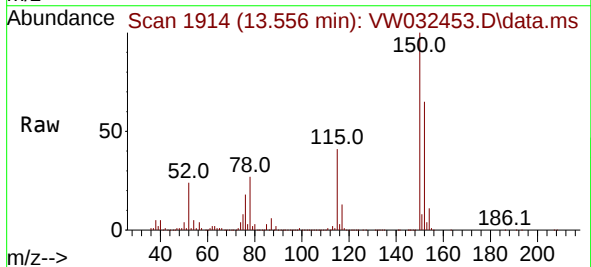
Instrument :
MSVOA_W
ClientSampleId :
VNJ-231

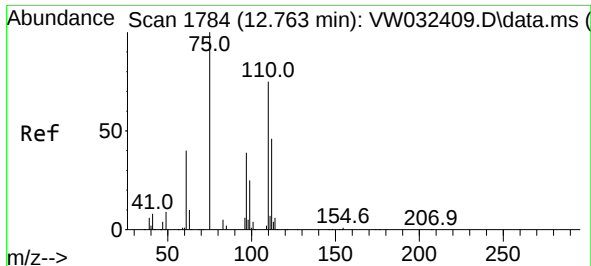
Tgt Ion:117 Resp: 582463
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.4
119 29.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion:152 Resp: 270084
Ion Ratio Lower Upper
152 100
115 66.6 32.8 98.3
150 161.1 0.0 356.6

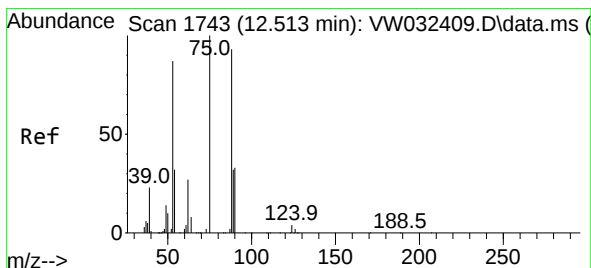
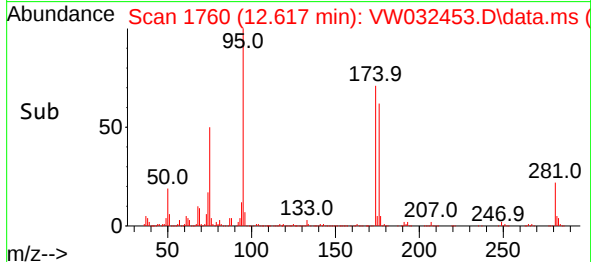
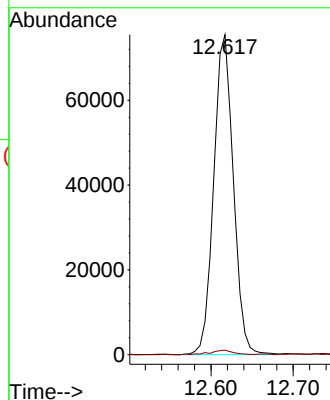
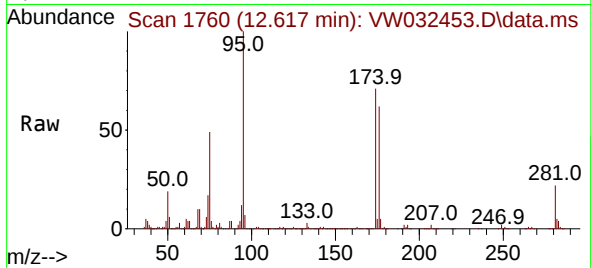




#76
1,2,3-Trichloropropane
Concen: 33.808 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Instrument :
MSVOA_W
ClientSampleId :
VNJ-231

Tgt Ion: 75 Resp: 125200
Ion Ratio Lower Upper
75 100
77 1.7 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.435 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion: 75 Resp: 125200
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 35.6 53.4#

