

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032454.D
 Acq On : 17 Nov 2025 13:48
 Operator : SY/MD
 Sample : Q3631-01
 Misc : 5.63g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-202

Quant Time: Nov 18 03:04:20 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)

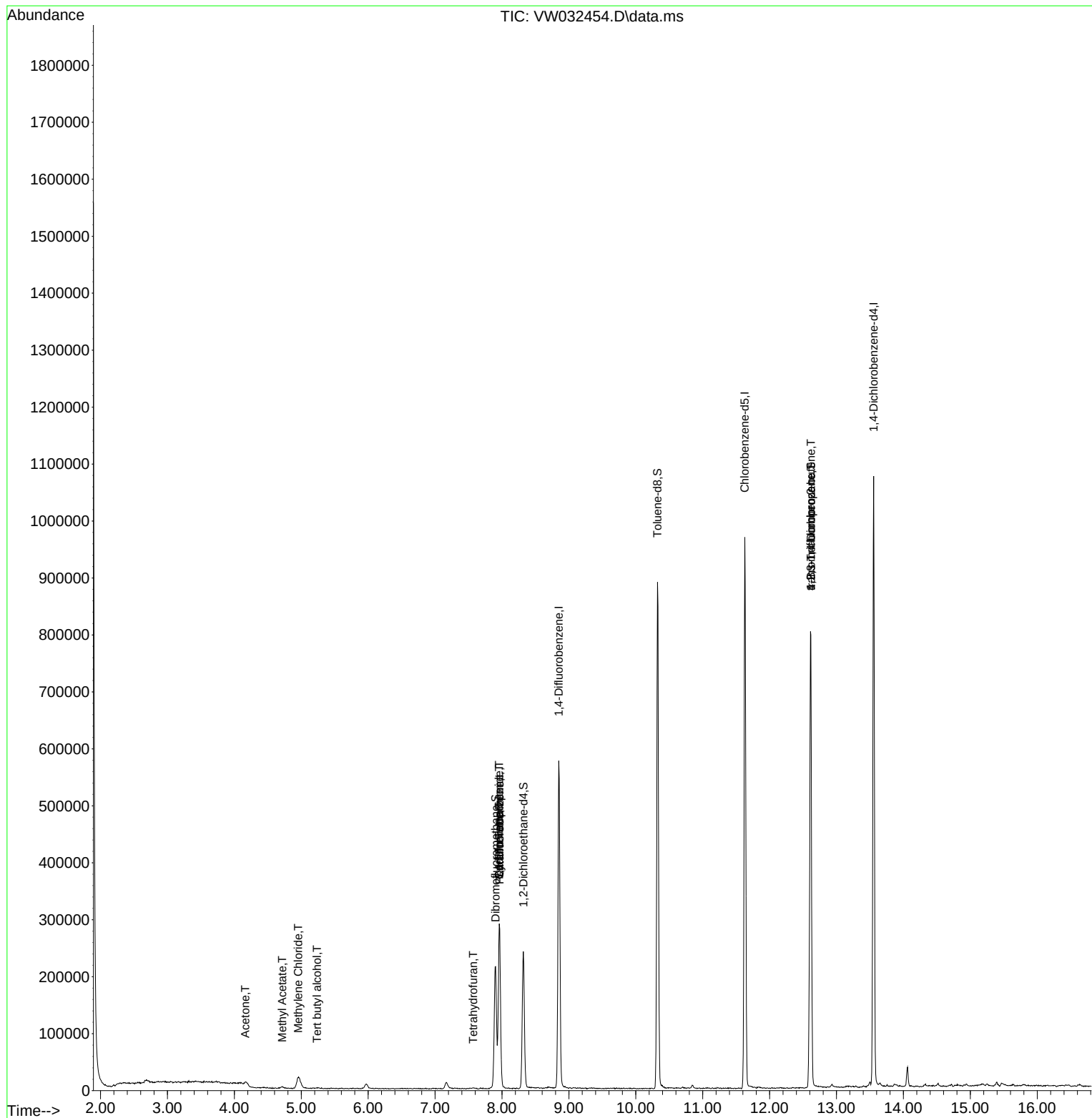
Internal Standards						
1) Pentafluorobenzene	7.965	168	206844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	475713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	527621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	270460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	192919	72.343	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 144.680%		
35) Dibromofluoromethane	7.904	113	168809	59.269	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 118.540%		
50) Toluene-d8	10.325	98	582890	53.346	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.700%		
62) 4-Bromofluorobenzene	12.617	95	248398	60.179	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 120.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	435	1.886	ug/l #	58
16) Acetone	4.161	43	2217	2.779	ug/l	98
18) Methyl Acetate	4.716	43	7310	3.700	ug/l	97
20) Methylene Chloride	4.954	84	18375	6.440	ug/l	89
29) Tetrahydrofuran	7.569	42	937	1.256	ug/l #	72
31) Cyclohexane	7.959	56	5555	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18670	4.449	ug/l #	50
38) Carbon Tetrachloride	7.959	117	22058	5.916	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	126500	34.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	126500	78.130	ug/l #	11

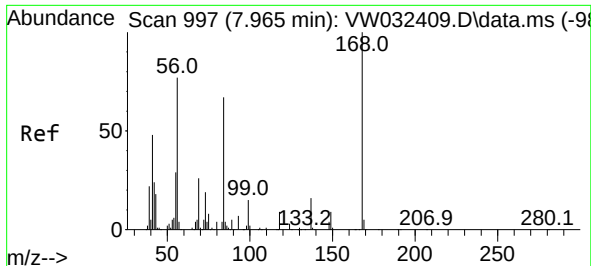
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
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Misc : 5.63g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

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Quant Time: Nov 18 03:04:20 2025
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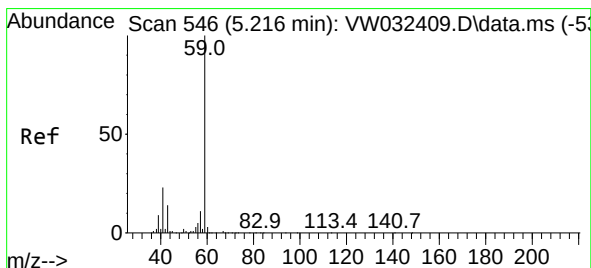
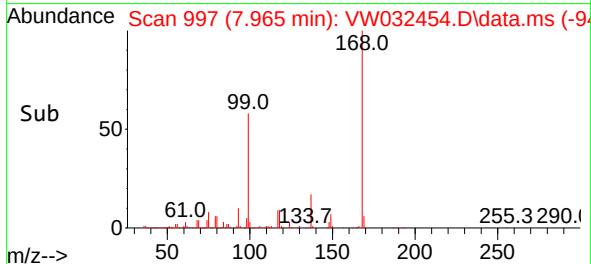
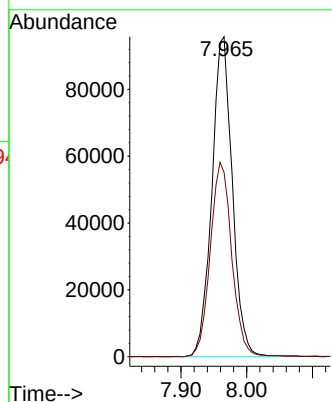
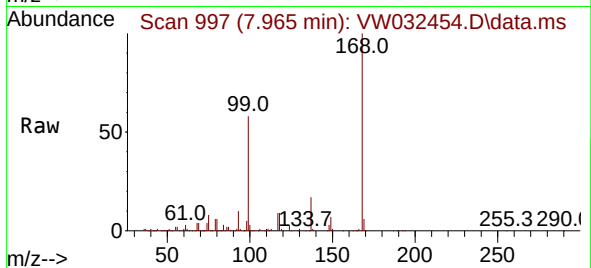




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

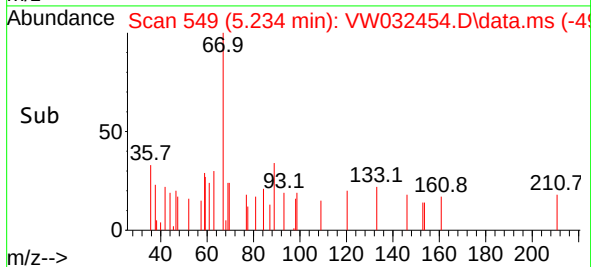
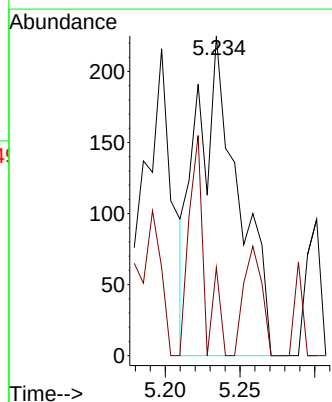
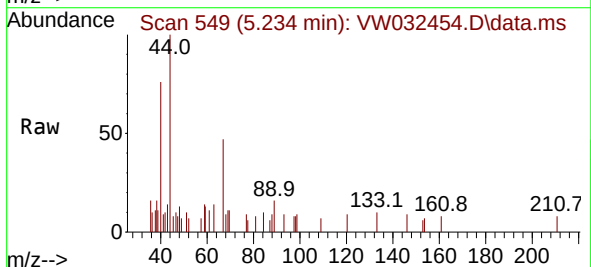
Instrument :
MSVOA_W
ClientSampleId :
VNJ-202

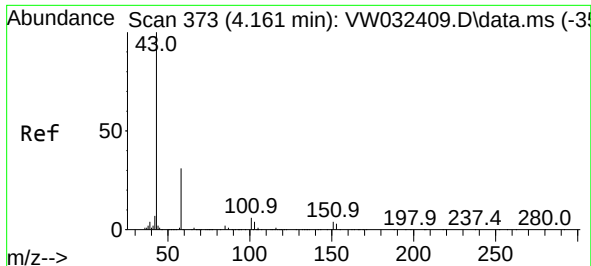
Tgt Ion:168 Resp: 206844
Ion Ratio Lower Upper
168 100
99 57.5 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.886 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.018 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Tgt Ion: 59 Resp: 435
Ion Ratio Lower Upper
59 100
57 26.4 8.6 12.8

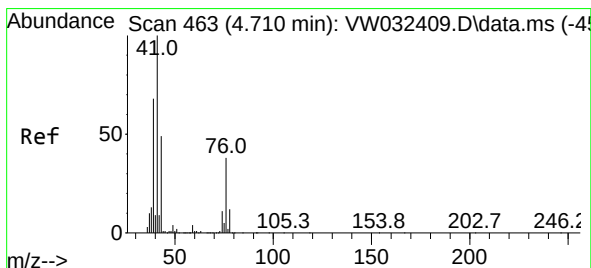
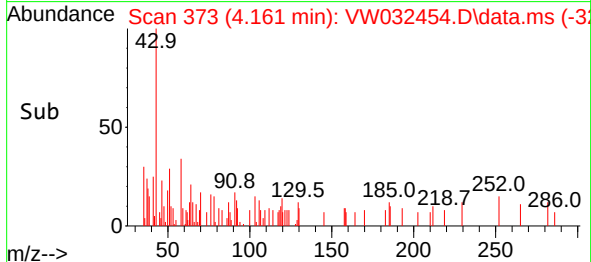
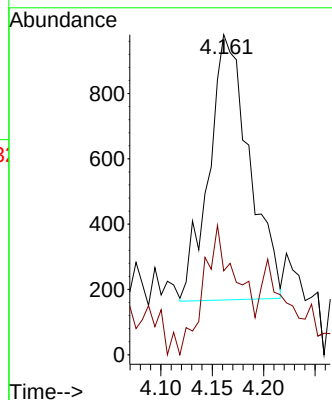
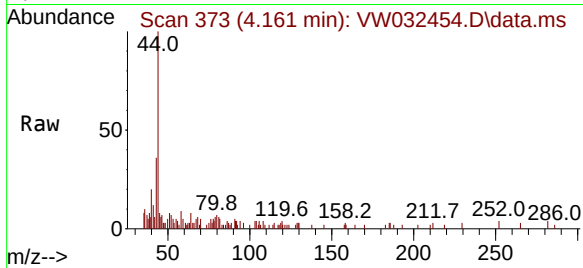




#16
Acetone
Concen: 2.779 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

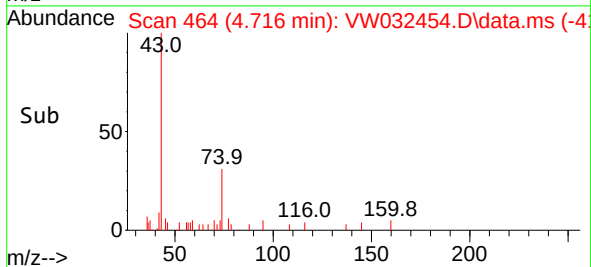
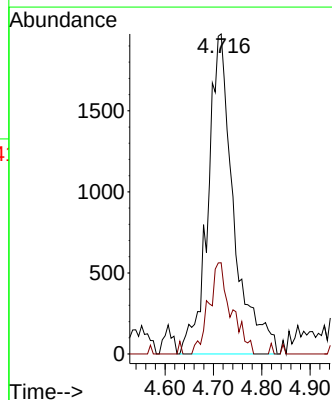
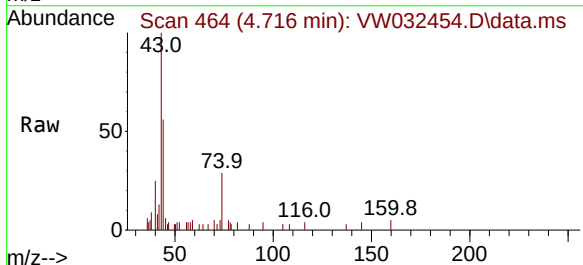
Instrument :
MSVOA_W
ClientSampleId :
VNJ-202

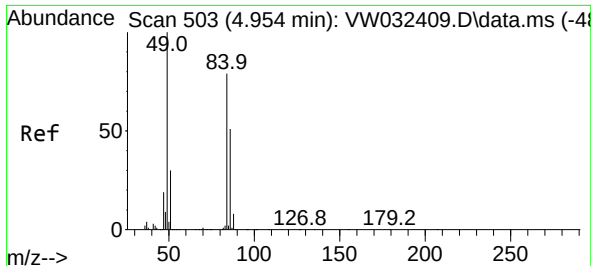
Tgt Ion: 43 Resp: 2217
Ion Ratio Lower Upper
43 100
58 31.8 24.8 37.2



#18
Methyl Acetate
Concen: 3.700 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Tgt Ion: 43 Resp: 7310
Ion Ratio Lower Upper
43 100
74 24.8 18.9 28.3

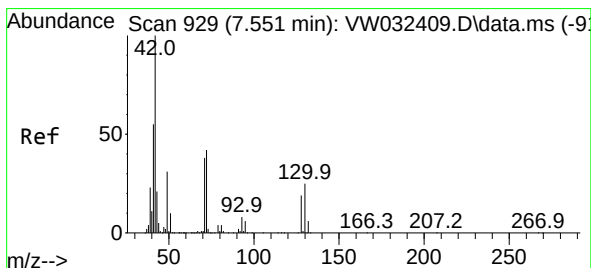
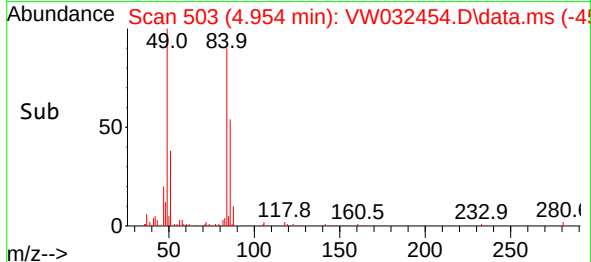
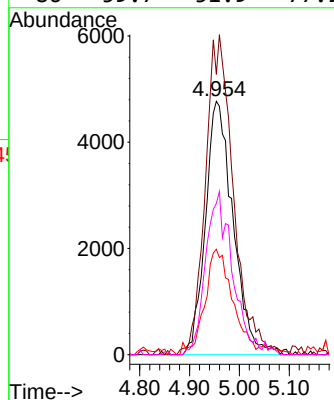
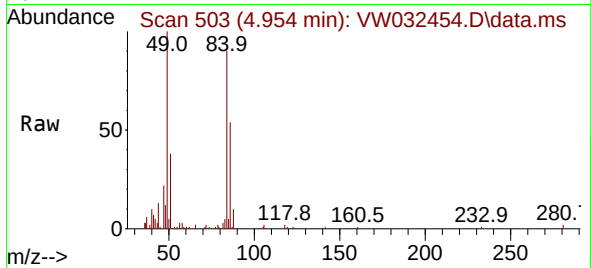




#20
Methylene Chloride
Concen: 6.440 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

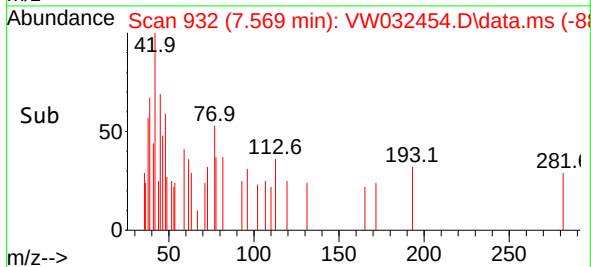
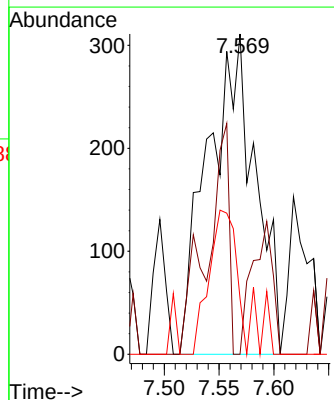
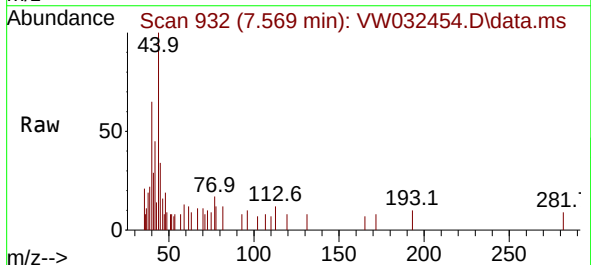
Instrument :
MSVOA_W
ClientSampleId :
VNJ-202

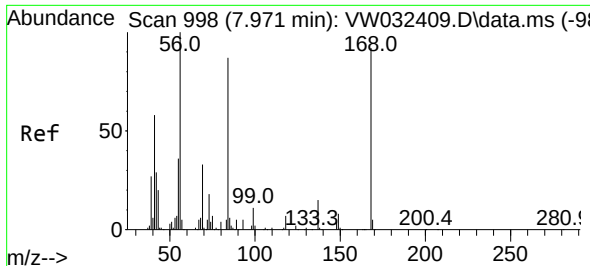
Tgt Ion:	84	Resp:	18375
Ion	Ratio	Lower	Upper
84	100		
49	108.9	101.5	152.3
51	41.6	30.6	46.0
86	59.7	51.9	77.9



#29
Tetrahydrofuran
Concen: 1.256 ug/l
RT: 7.569 min Scan# 932
Delta R.T. 0.018 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Tgt Ion:	42	Resp:	937
Ion	Ratio	Lower	Upper
42	100		
72	20.7	33.6	50.4#
71	25.8	31.4	47.0#

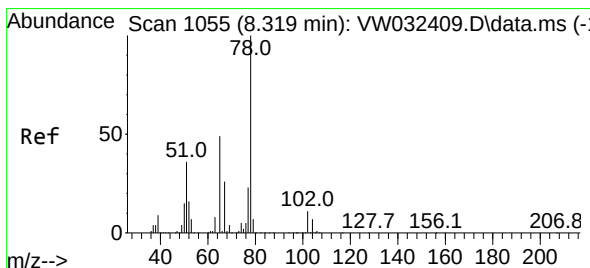
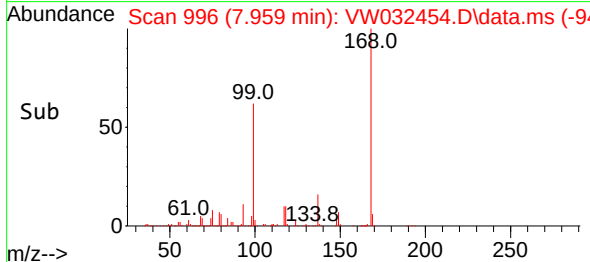
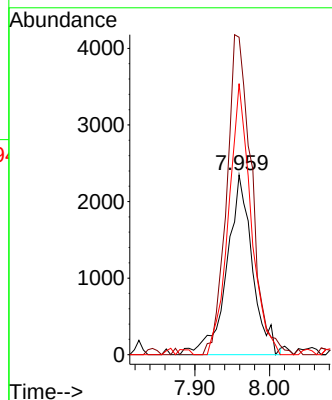
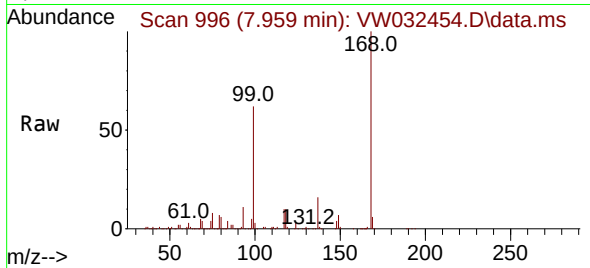




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

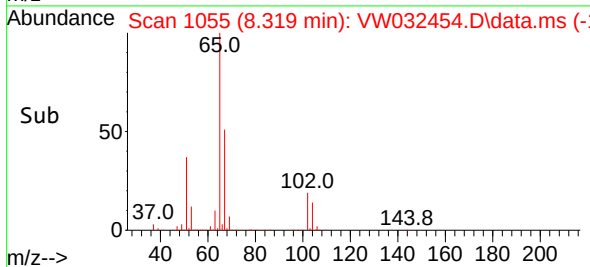
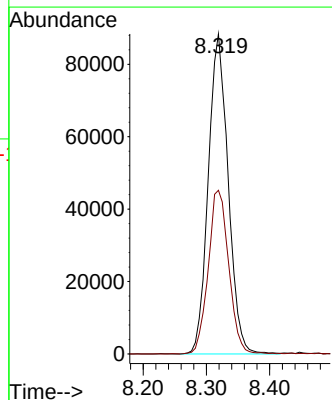
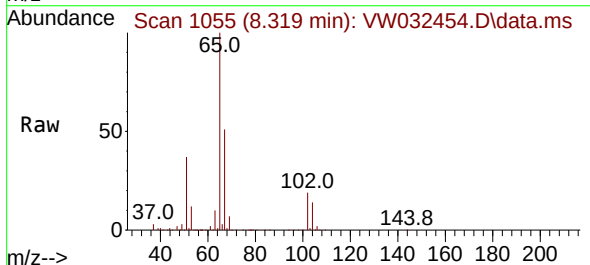
Instrument :
MSVOA_W
ClientSampleId :
VNJ-202

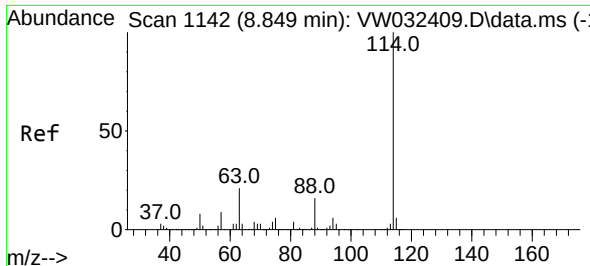
Tgt Ion: 56 Resp: 5555
Ion Ratio Lower Upper
56 100
69 176.7 26.5 39.7#
84 150.9 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 72.343 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Tgt Ion: 65 Resp: 192919
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

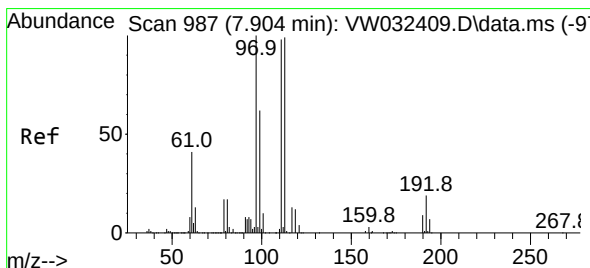
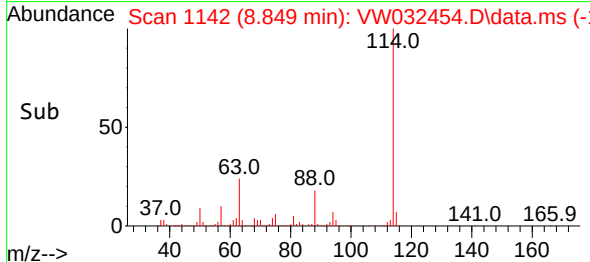
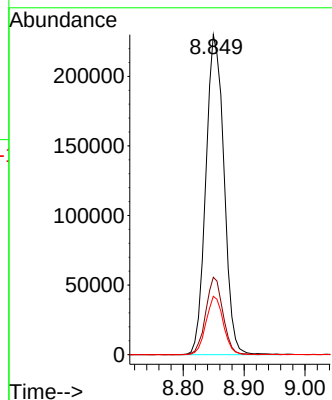
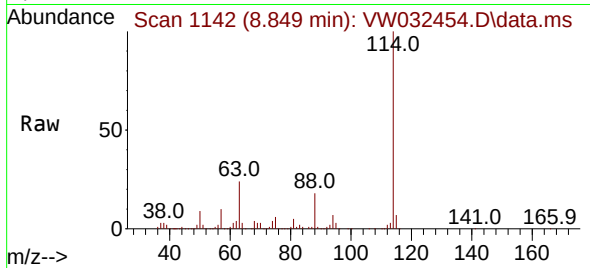




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

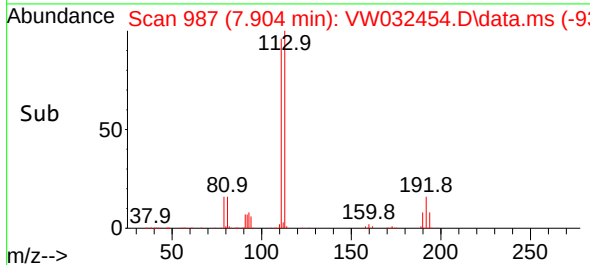
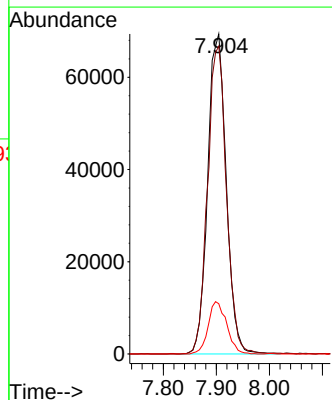
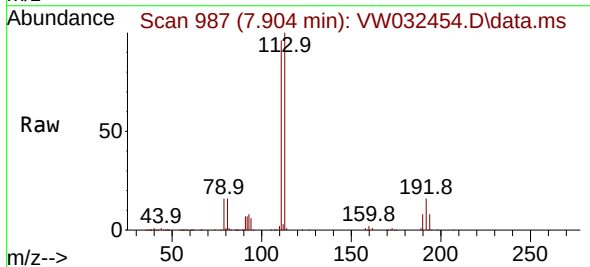
Instrument :
MSVOA_W
ClientSampleId :
VNJ-202

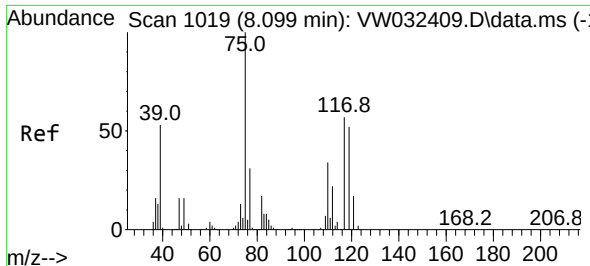
Tgt Ion:114 Resp: 475713
Ion Ratio Lower Upper
114 100
63 24.1 0.0 41.8
88 18.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 59.269 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Tgt Ion:113 Resp: 168809
Ion Ratio Lower Upper
113 100
111 97.8 83.1 124.7
192 16.3 13.4 20.2

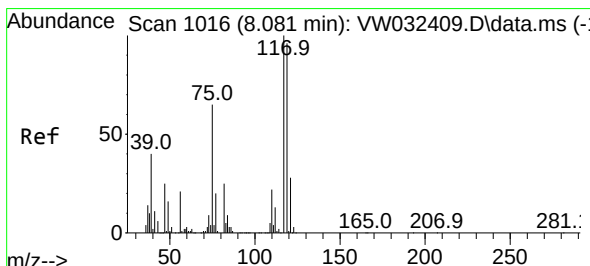
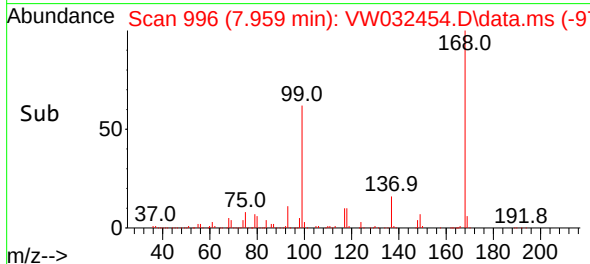
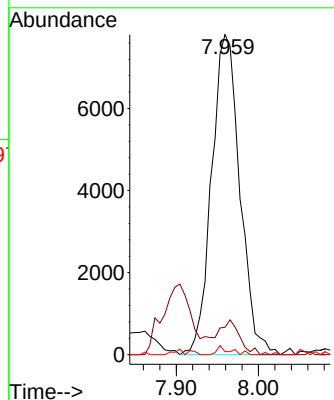
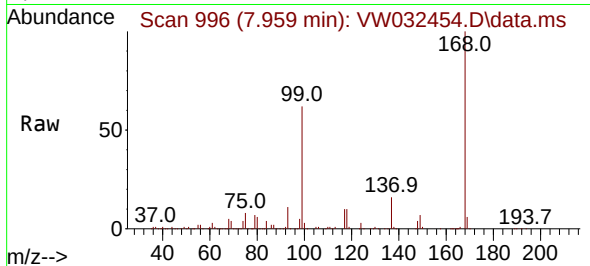




#36
 1,1-Dichloropropene
 Concen: 4.449 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032454.D
 Acq: 17 Nov 2025 13:48

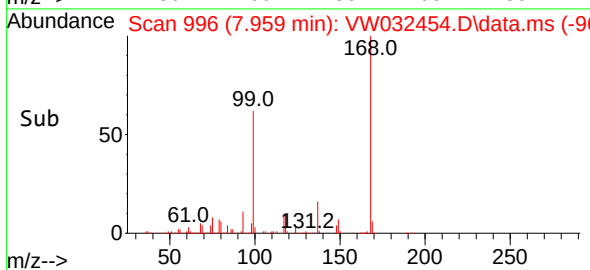
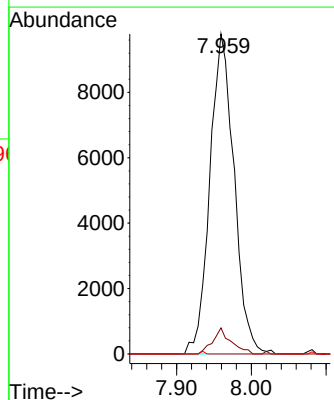
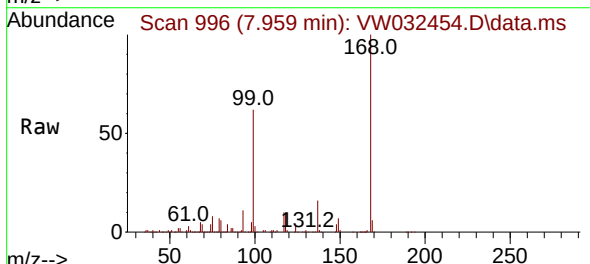
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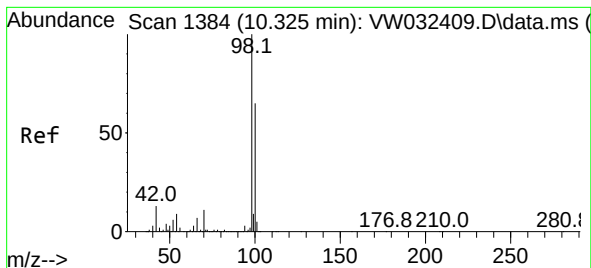
Tgt Ion: 75 Resp: 18670
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.2 51.5#
 77 1.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.916 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032454.D
 Acq: 17 Nov 2025 13:48

Tgt Ion: 117 Resp: 22058
 Ion Ratio Lower Upper
 117 100
 119 8.1 77.0 115.4#
 121 0.0 22.0 33.0#





#50

Toluene-d8

Concen: 53.346 ug/l

RT: 10.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032454.D

Acq: 17 Nov 2025 13:48

Instrument :

MSVOA_W

ClientSampleId :

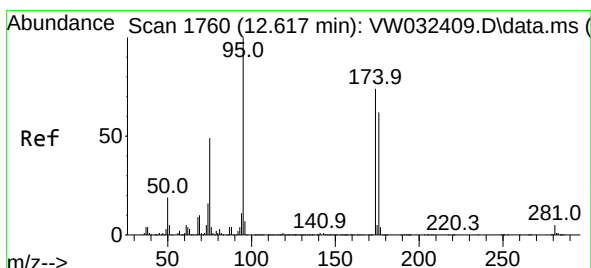
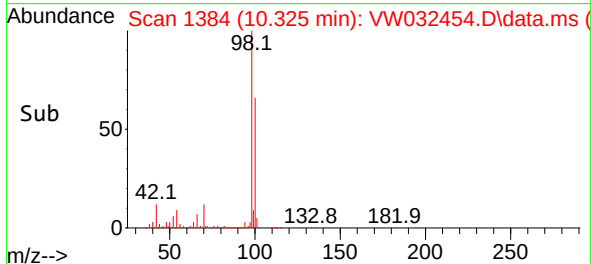
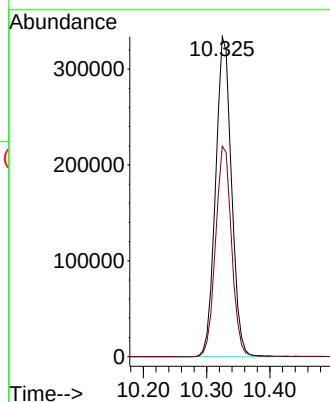
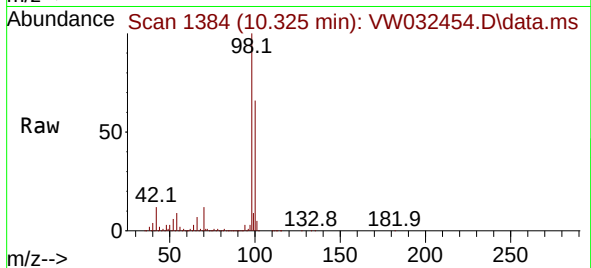
VNJ-202

Tgt Ion: 98 Resp: 582890

Ion Ratio Lower Upper

98 100

100 66.1 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 60.179 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032454.D

Acq: 17 Nov 2025 13:48

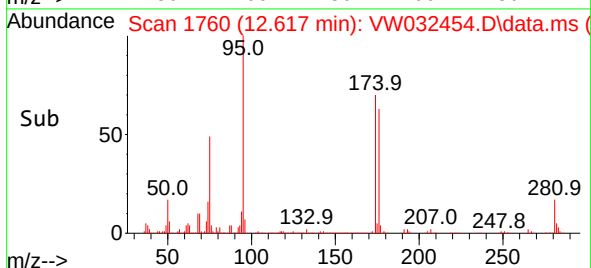
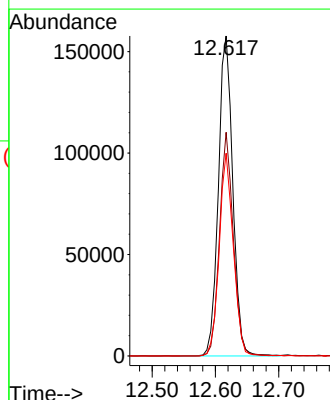
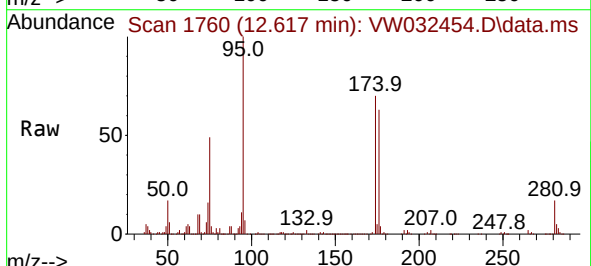
Tgt Ion: 95 Resp: 248398

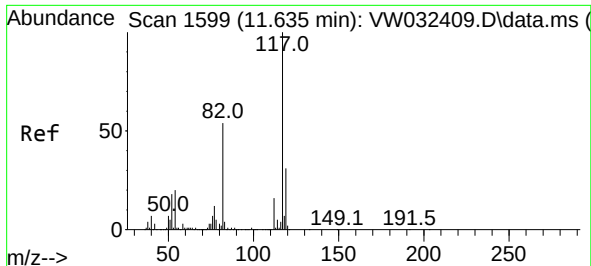
Ion Ratio Lower Upper

95 100

174 67.0 0.0 135.4

176 62.0 0.0 131.8

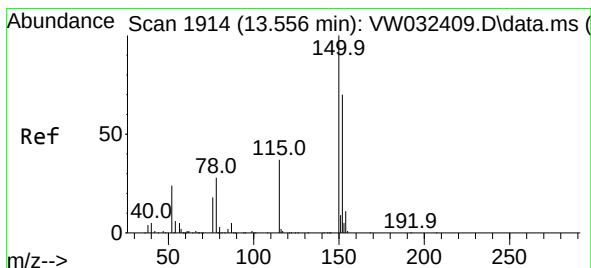
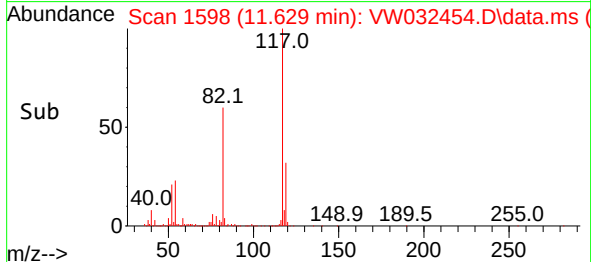
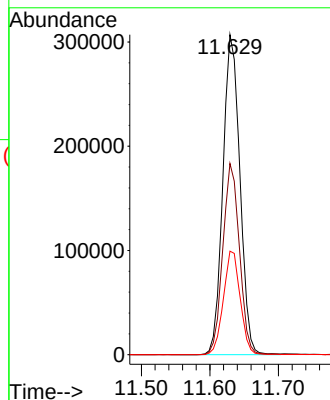
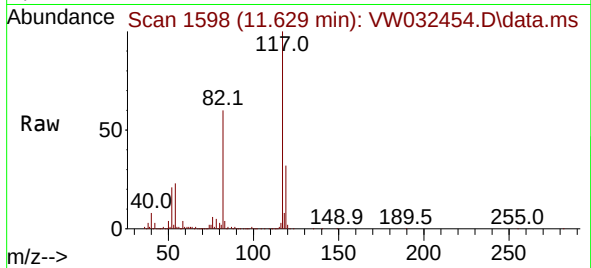




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

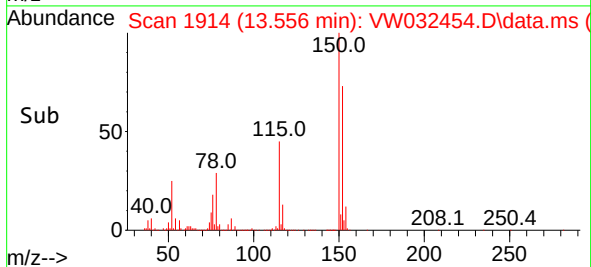
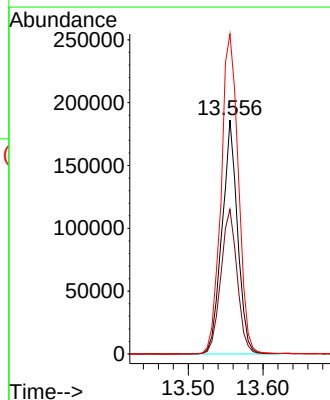
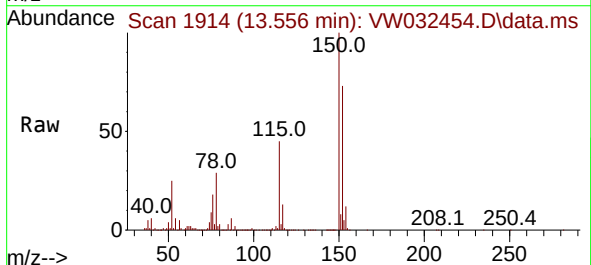
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MSVOA_W
ClientSampleId :
VNJ-202

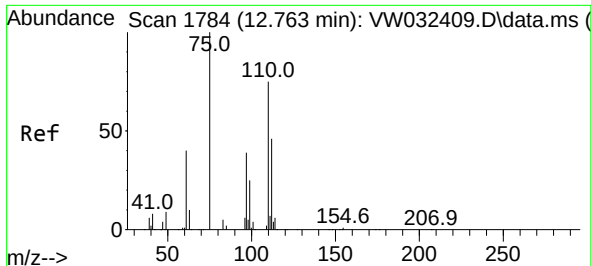
Tgt Ion:117 Resp: 527621
Ion Ratio Lower Upper
117 100
82 59.7 43.0 64.4
119 32.3 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Tgt Ion:152 Resp: 270460
Ion Ratio Lower Upper
152 100
115 65.0 32.8 98.3
150 151.8 0.0 356.6

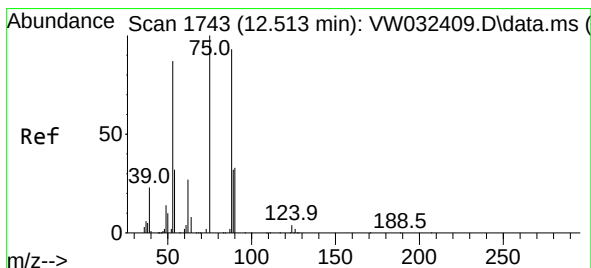
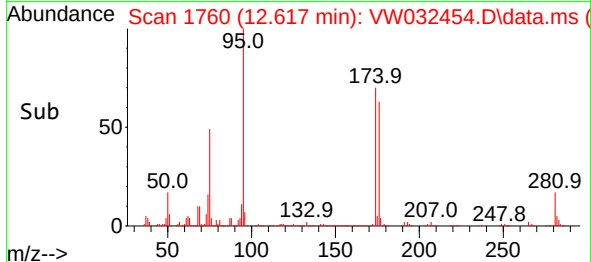
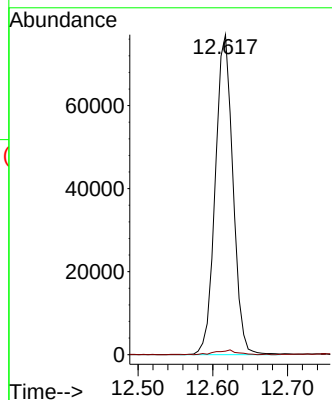
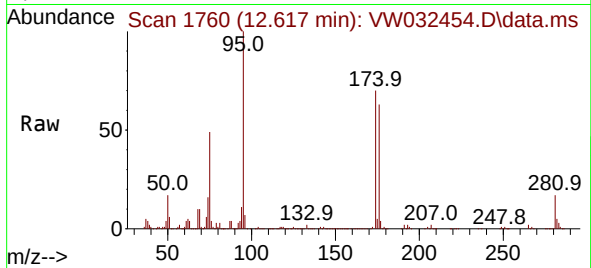




#76
1,2,3-Trichloropropane
Concen: 34.111 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Instrument :
MSVOA_W
ClientSampleId :
VNJ-202

Tgt Ion: 75 Resp: 126500
Ion Ratio Lower Upper
75 100
77 1.8 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.130 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032454.D
Acq: 17 Nov 2025 13:48

Tgt Ion: 75 Resp: 126500
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 1.1 35.6 53.4#

