

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032463.D
 Acq On : 17 Nov 2025 17:07
 Operator : SY/MD
 Sample : Q3647-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-212

Quant Time: Nov 18 03:07:14 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)

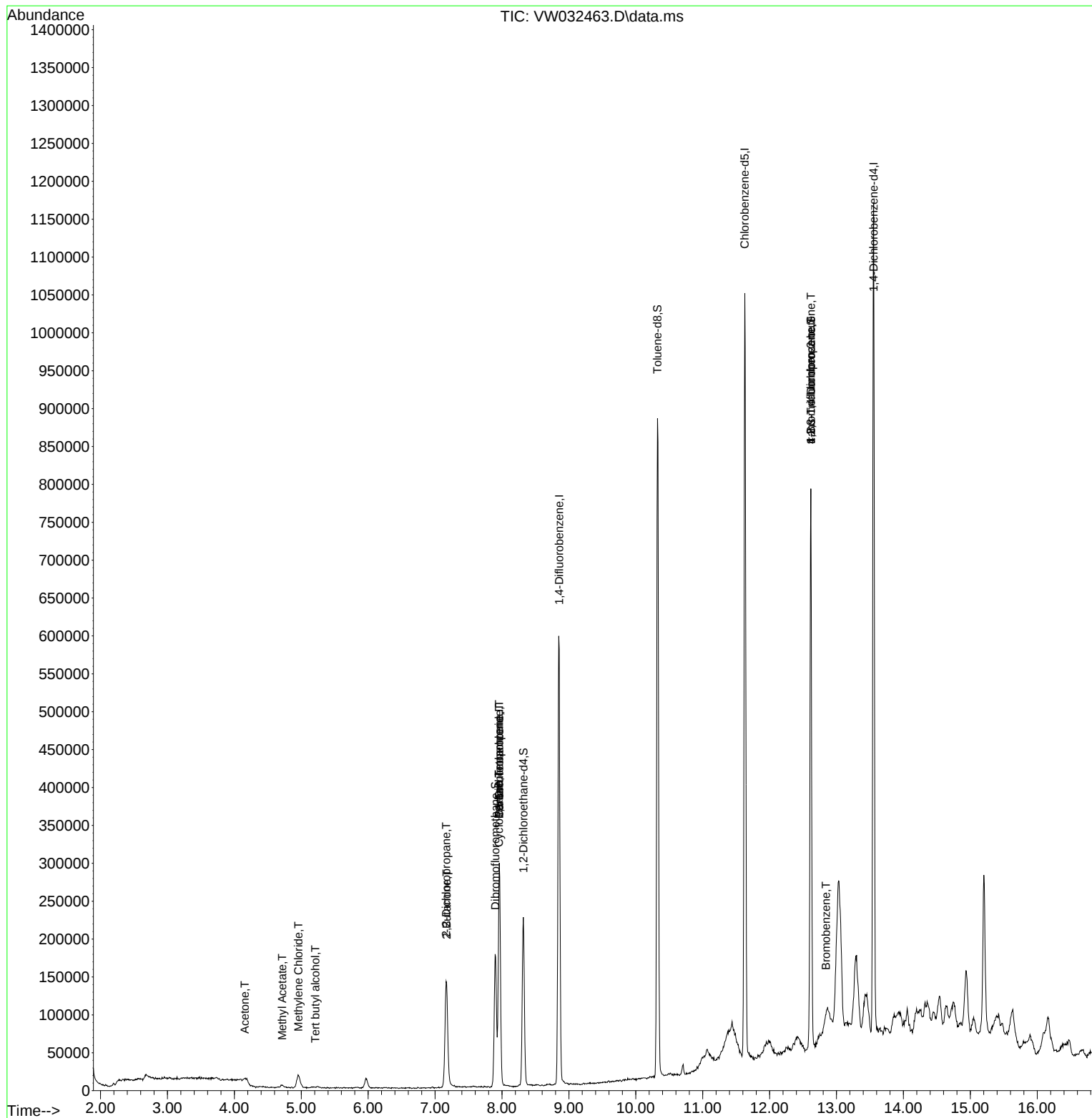
Internal Standards						
1) Pentafluorobenzene	7.959	168	203146	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	510677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	559159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	302389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	179896	68.688	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 137.380%			
35) Dibromofluoromethane	7.898	113	133034	43.510	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 87.020%			
50) Toluene-d8	10.325	98	607466	51.788	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.617	95	275514	62.178	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 124.360%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	274	1.210	ug/l	# 1
16) Acetone	4.155	43	5588	7.132	ug/l	94
18) Methyl Acetate	4.716	43	7491	3.861	ug/l	95
20) Methylene Chloride	4.960	84	15196	5.423	ug/l	95
25) 2-Butanone	7.173	43	8174	7.081	ug/l	# 82
26) 2,2-Dichloropropane	7.167	77	10066	3.856	ug/l	# 52
31) Cyclohexane	7.953	56	5751	1.327	ug/l	# 18
36) 1,1-Dichloropropene	7.959	75	19729	4.379	ug/l	# 50
38) Carbon Tetrachloride	7.959	117	23441	5.856	ug/l	# 16
76) 1,2,3-Trichloropropane	12.617	75	133111	32.104	ug/l	# 1
77) Bromobenzene	12.842	156	27722	5.272	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	133111	73.532	ug/l	# 11

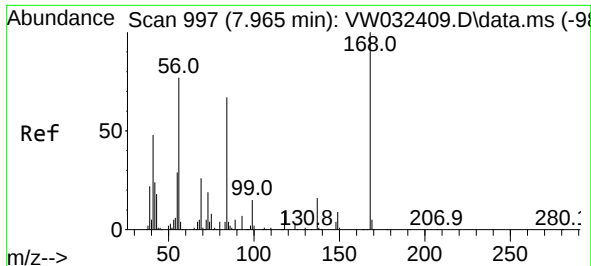
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
Data File : VW032463.D
Acq On : 17 Nov 2025 17:07
Operator : SY/MD
Sample : Q3647-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

Quant Time: Nov 18 03:07:14 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

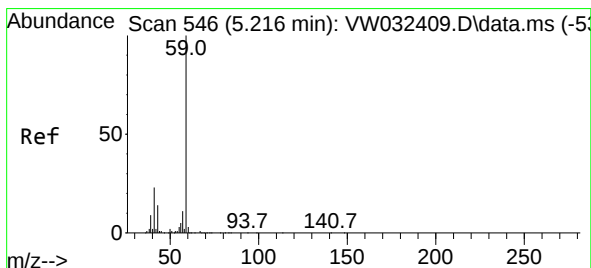
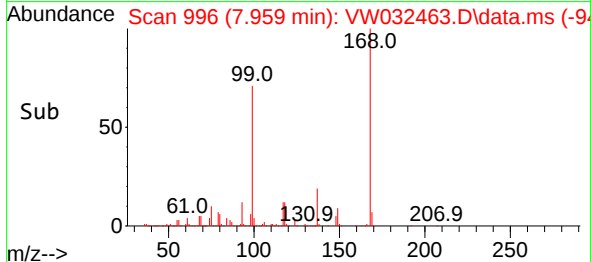
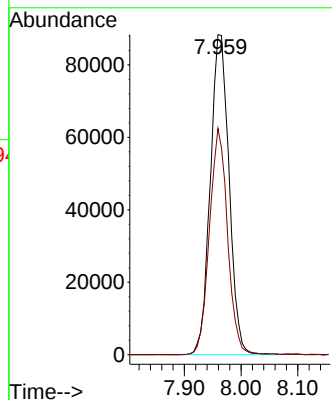
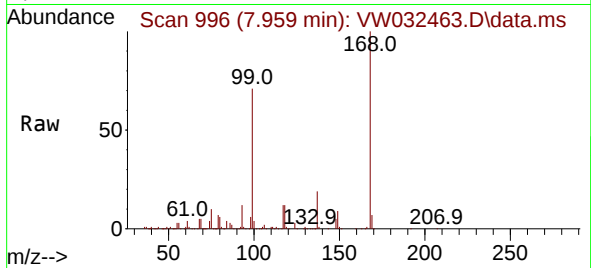




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

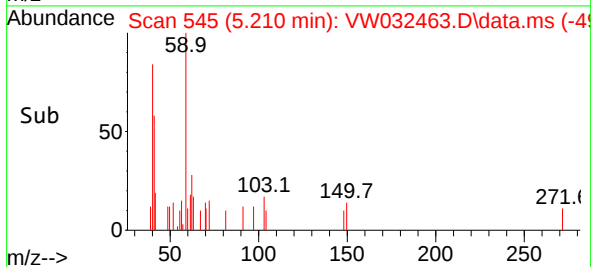
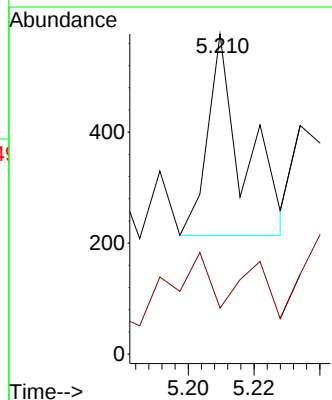
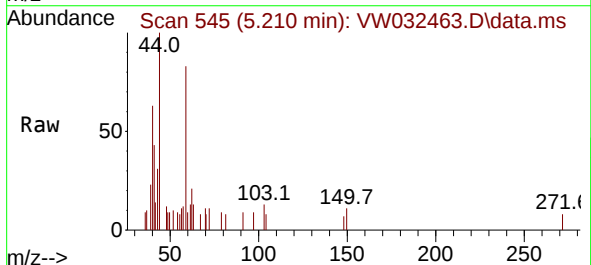
Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

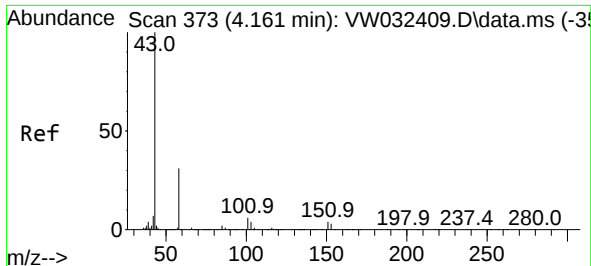
Tgt Ion:168 Resp: 203146
Ion Ratio Lower Upper
168 100
99 70.7 45.4 68.2#



#11
Tert butyl alcohol
Concen: 1.210 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

Tgt Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 85.4 8.6 12.8#

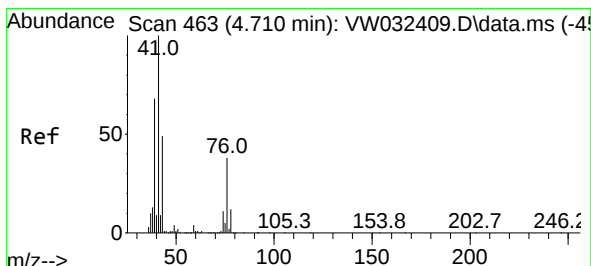
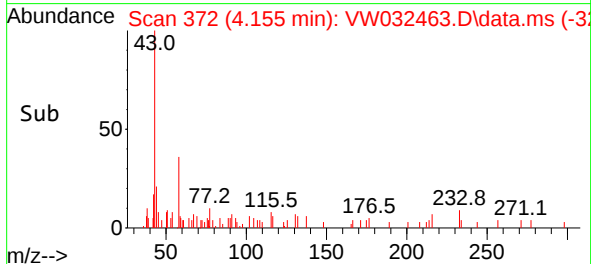
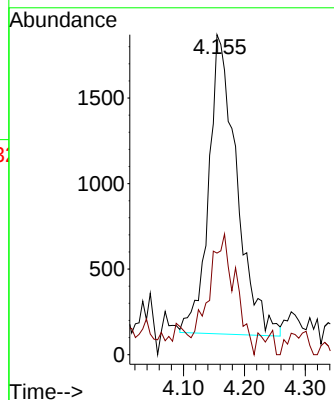
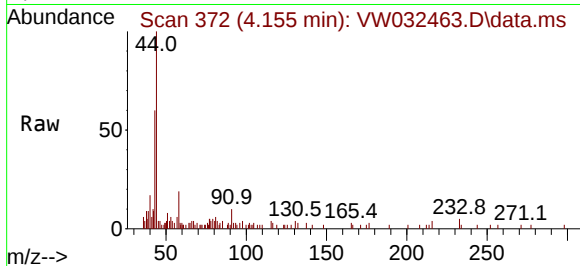




#16
Acetone
Concen: 7.132 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

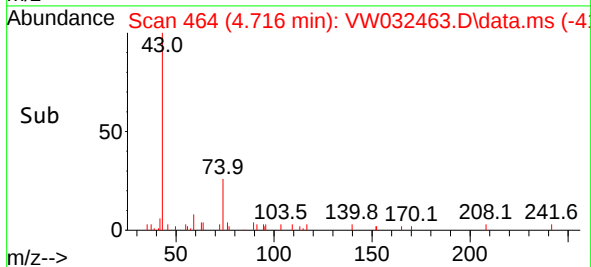
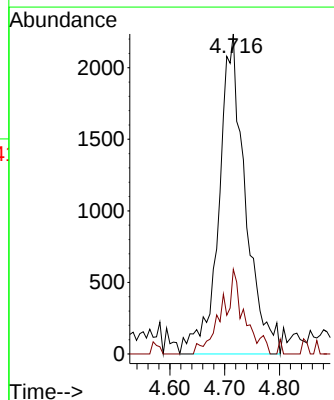
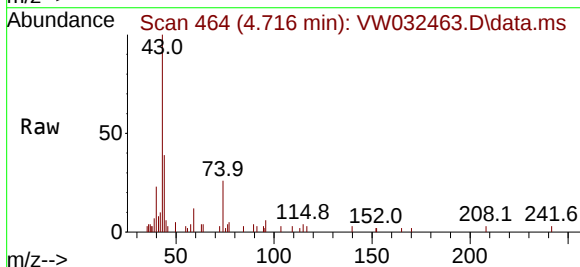
Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

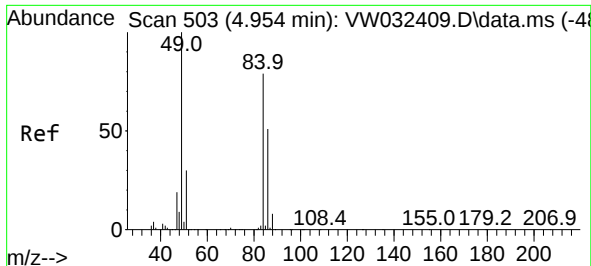
Tgt Ion: 43 Resp: 5588
Ion Ratio Lower Upper
43 100
58 34.5 24.8 37.2



#18
Methyl Acetate
Concen: 3.861 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

Tgt Ion: 43 Resp: 7491
Ion Ratio Lower Upper
43 100
74 21.0 18.9 28.3

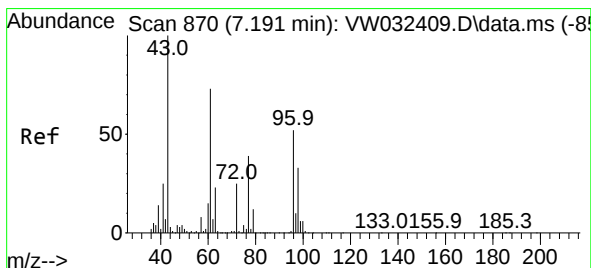
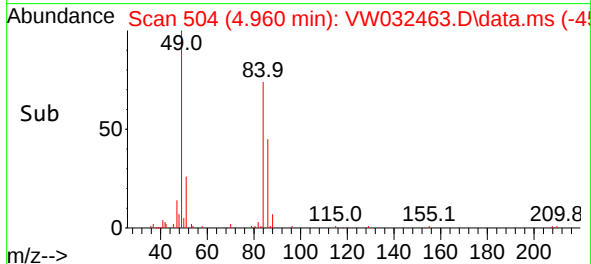
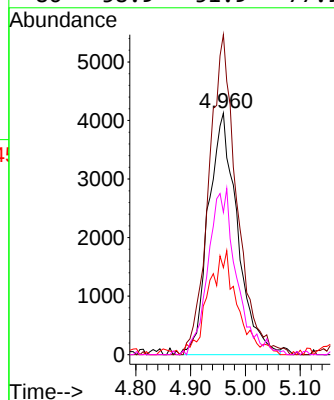
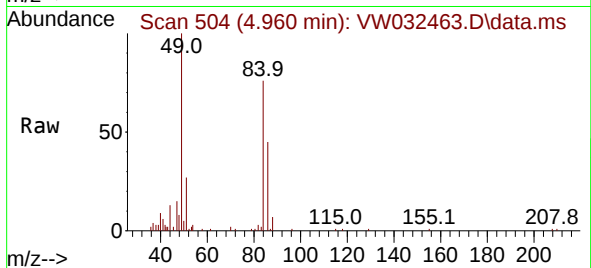




#20
Methylene Chloride
Concen: 5.423 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

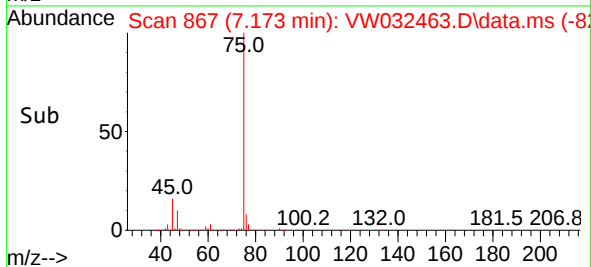
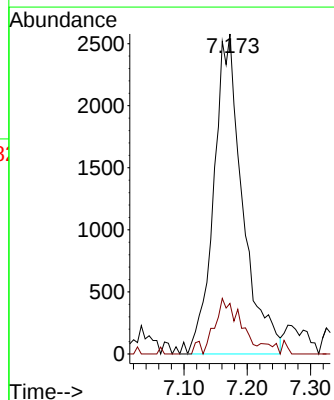
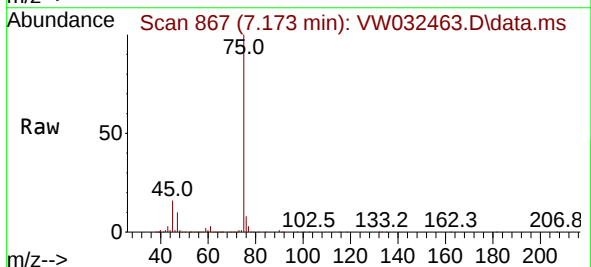
Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

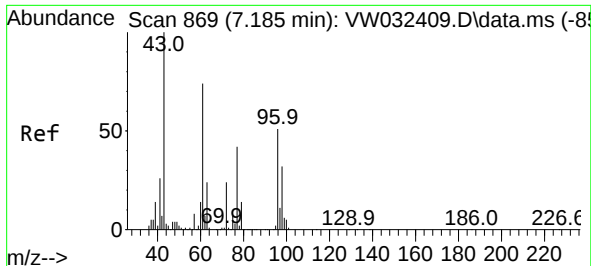
Tgt Ion:	84	Resp:	15196
Ion	Ratio	Lower	Upper
84	100		
49	132.4	101.5	152.3
51	36.0	30.6	46.0
86	58.9	51.9	77.9



#25
2-Butanone
Concen: 7.081 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

Tgt Ion:	43	Resp:	8174
Ion	Ratio	Lower	Upper
43	100		
72	15.8	20.0	30.0

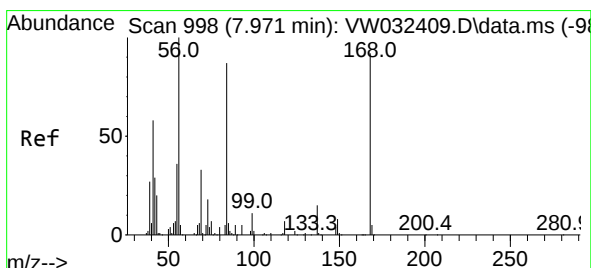
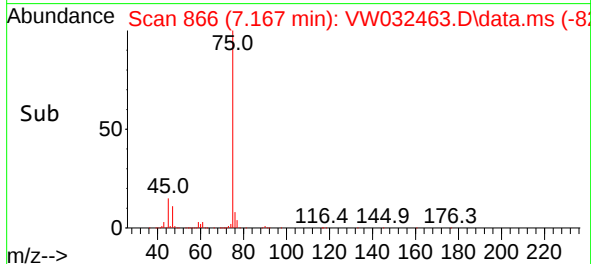
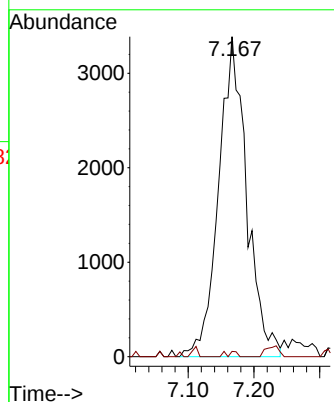
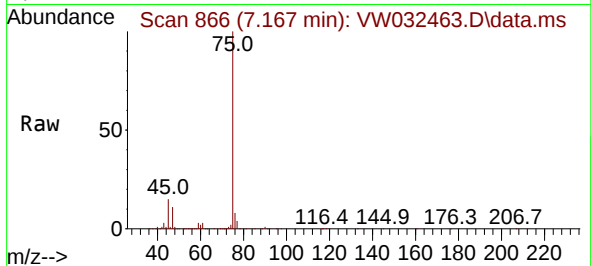




#26
2,2-Dichloropropane
Concen: 3.856 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

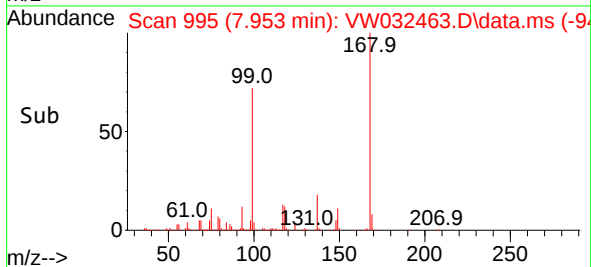
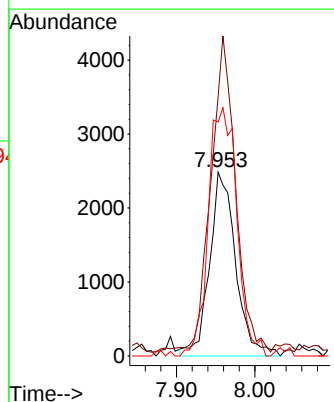
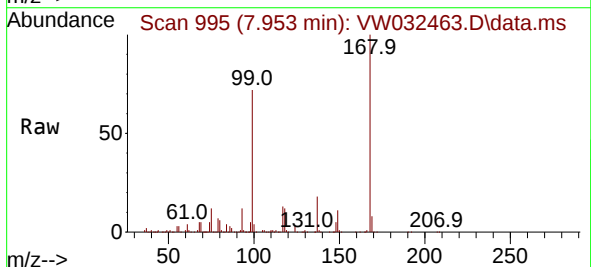
Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

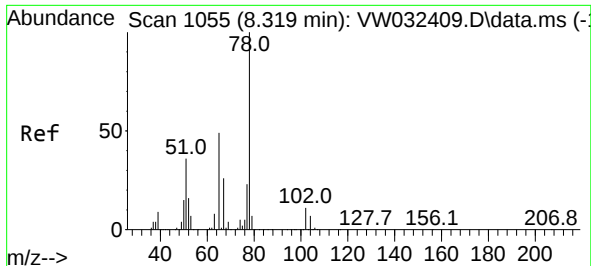
Tgt Ion: 77 Resp: 10066
Ion Ratio Lower Upper
77 100
97 0.6 12.3 36.8#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

Tgt Ion: 56 Resp: 5751
Ion Ratio Lower Upper
56 100
69 136.4 26.5 39.7#
84 127.3 69.6 104.4#

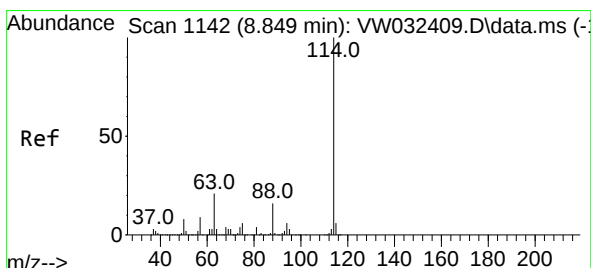
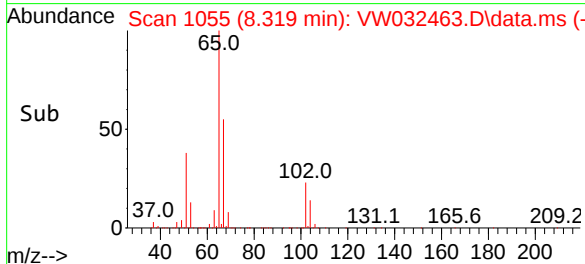
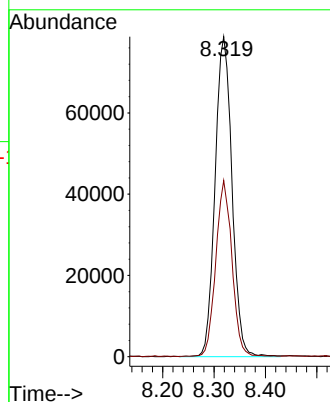
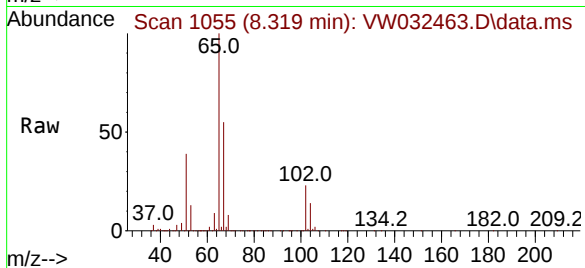




#33
 1,2-Dichloroethane-d4
 Concen: 68.688 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VW032463.D
 Acq: 17 Nov 2025 17:07

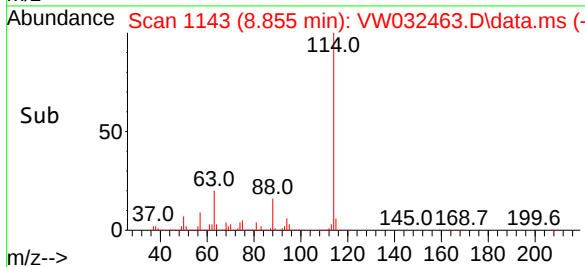
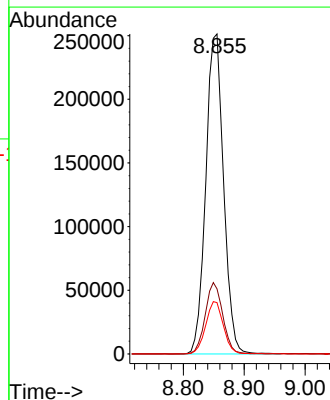
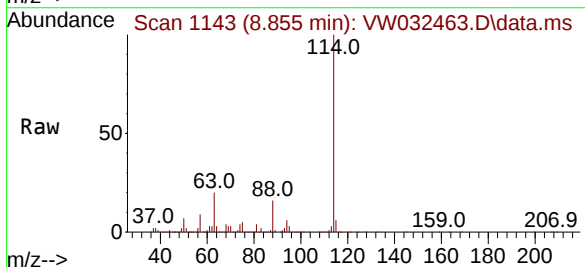
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-212

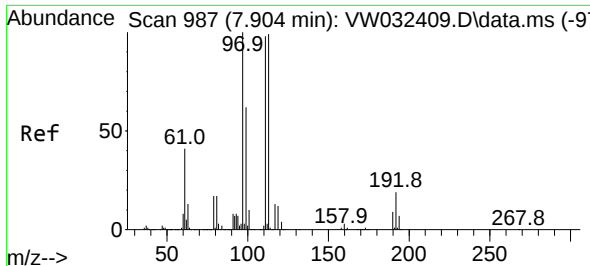
Tgt Ion: 65 Resp: 179896
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032463.D
 Acq: 17 Nov 2025 17:07

Tgt Ion: 114 Resp: 510677
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 16.0 0.0 32.6

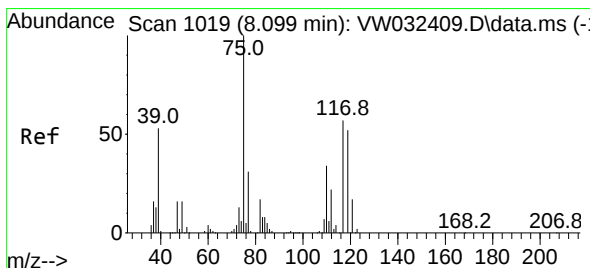
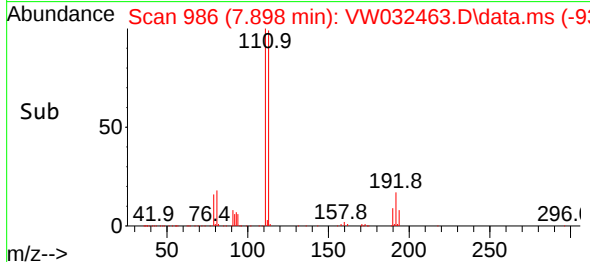
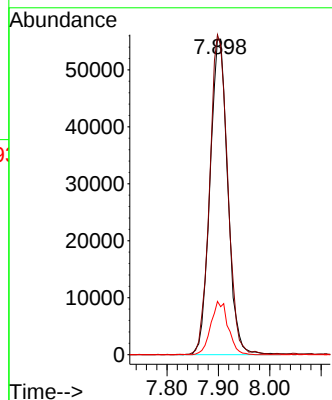
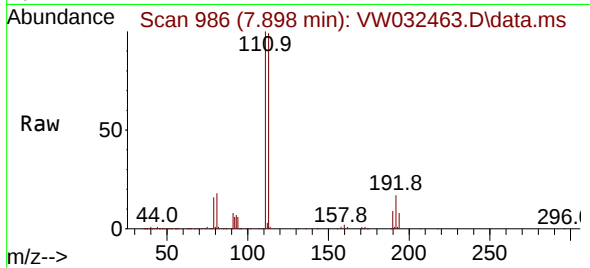




#35
Dibromofluoromethane
Concen: 43.510 ug/l
RT: 7.898 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

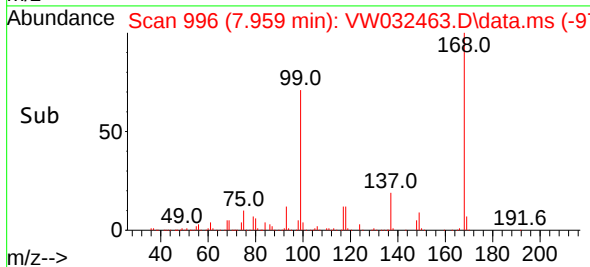
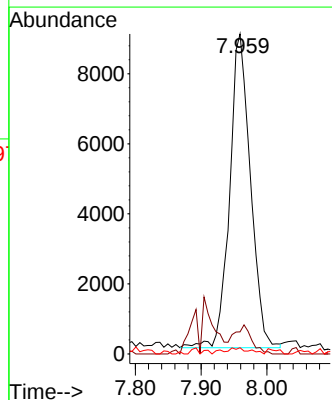
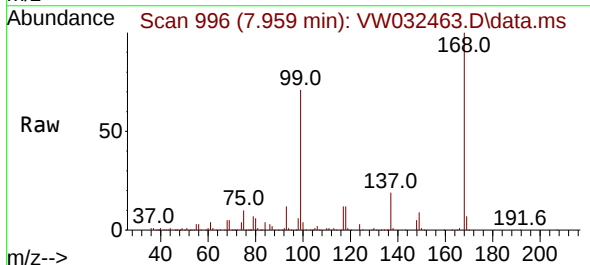
Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

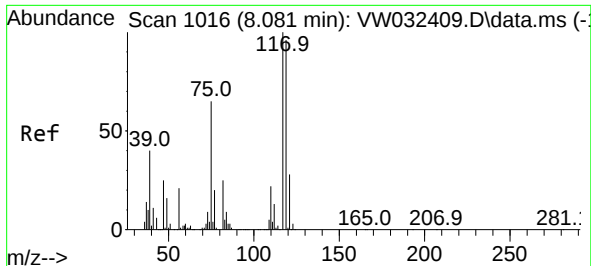
Tgt Ion:113 Resp: 133034
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 16.4 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.379 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

Tgt Ion: 75 Resp: 19729
Ion Ratio Lower Upper
75 100
110 7.7 17.2 51.5#
77 1.3 24.5 36.7#

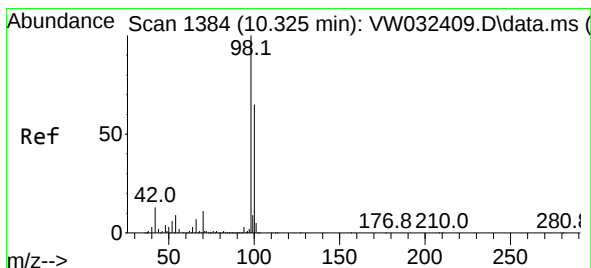
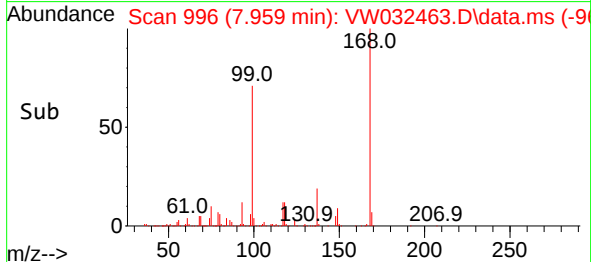
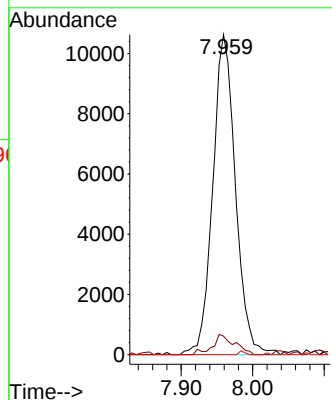
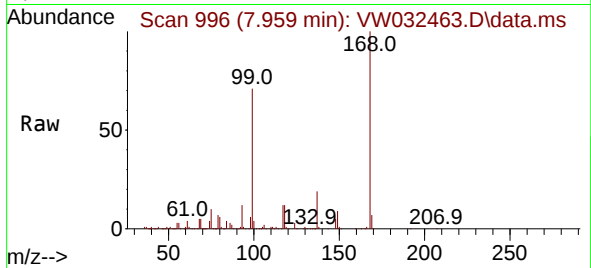




#38
Carbon Tetrachloride
Concen: 5.856 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

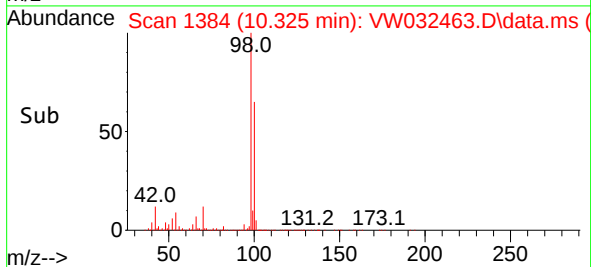
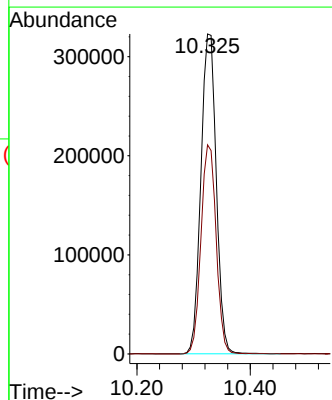
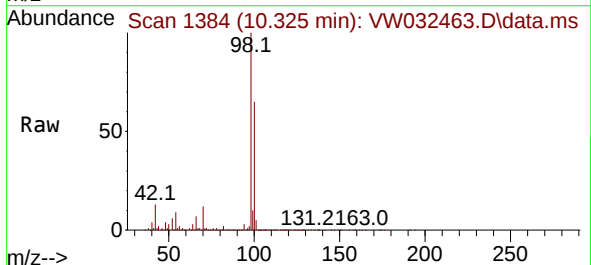
Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

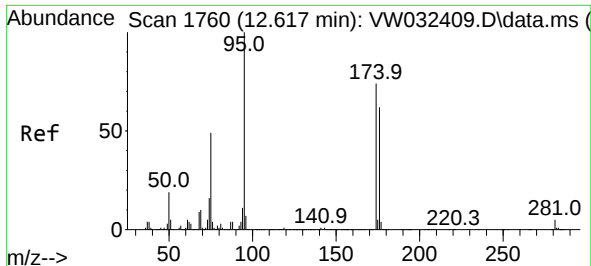
Tgt Ion:117 Resp: 23441
Ion Ratio Lower Upper
117 100
119 5.8 77.0 115.4#
121 0.0 22.0 33.0#



#50
Toluene-d8
Concen: 51.788 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

Tgt Ion: 98 Resp: 607466
Ion Ratio Lower Upper
98 100
100 64.7 53.3 79.9

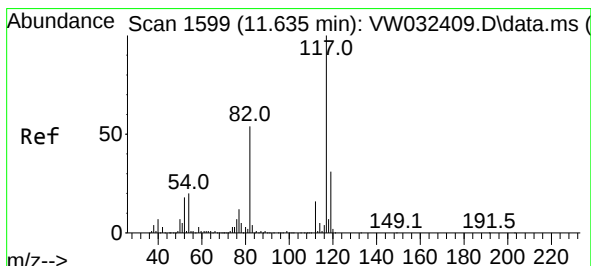
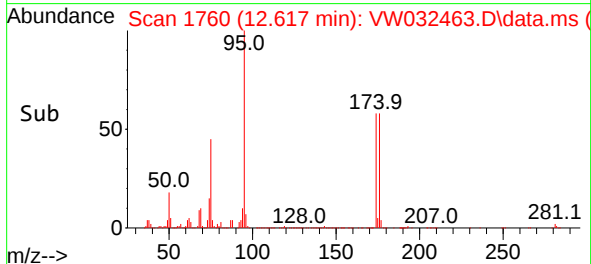
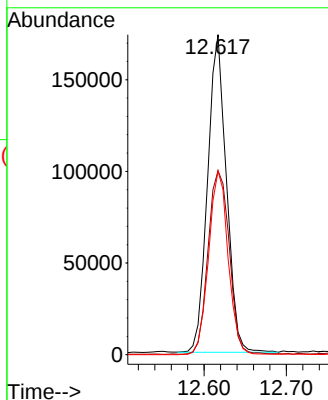
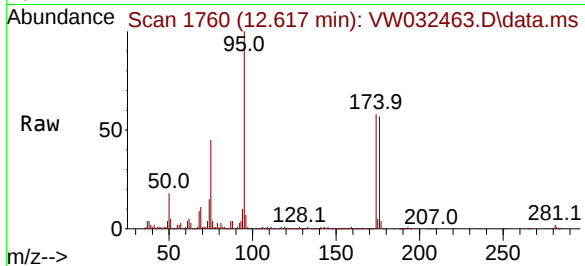




#62
4-Bromofluorobenzene
Concen: 62.178 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

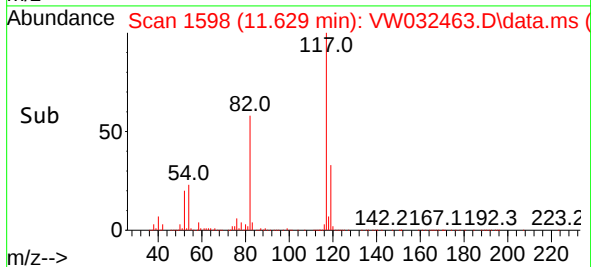
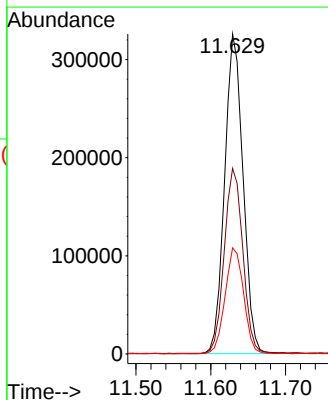
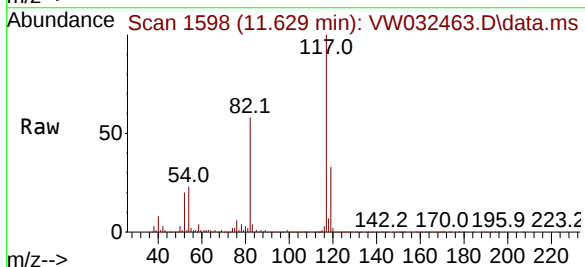
Instrument :
MSVOA_W
ClientSampleId :
VNJ-212

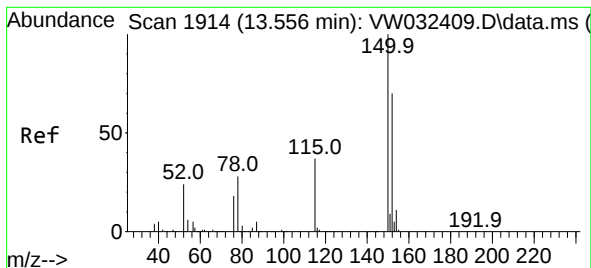
Tgt Ion: 95 Resp: 275514
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.4
176 60.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032463.D
Acq: 17 Nov 2025 17:07

Tgt Ion: 117 Resp: 559159
Ion Ratio Lower Upper
117 100
82 57.8 43.0 64.4
119 33.0 25.0 37.6

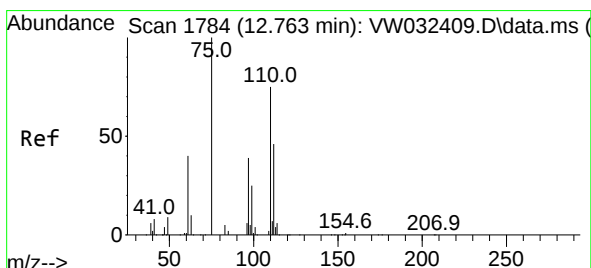
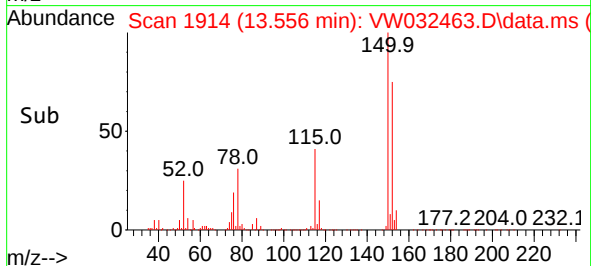
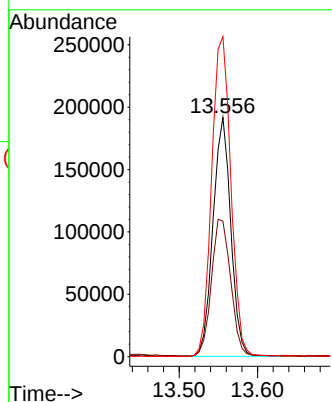
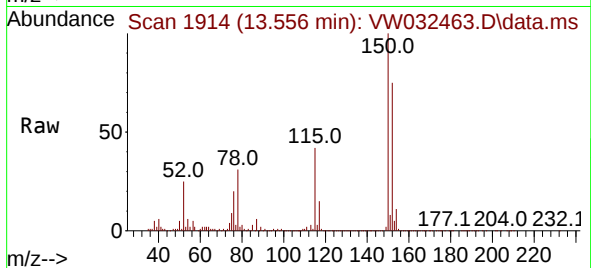




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032463.D
 Acq: 17 Nov 2025 17:07

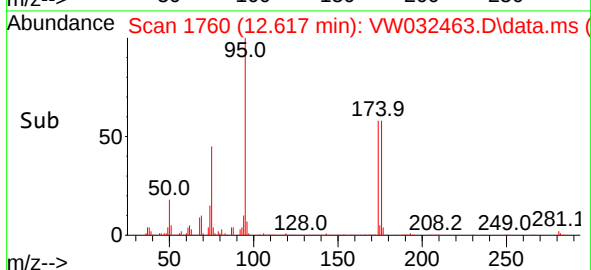
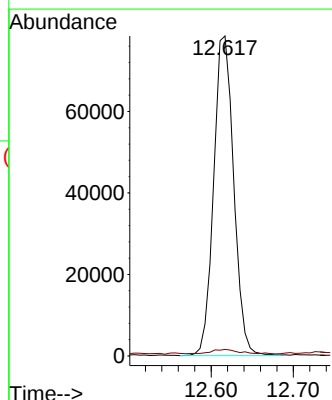
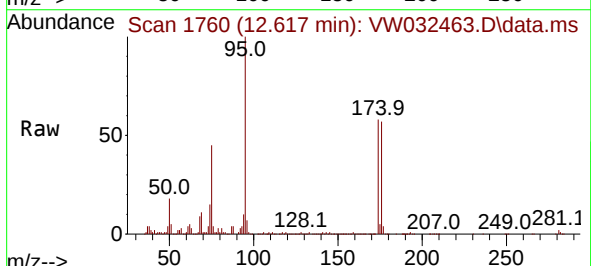
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-212

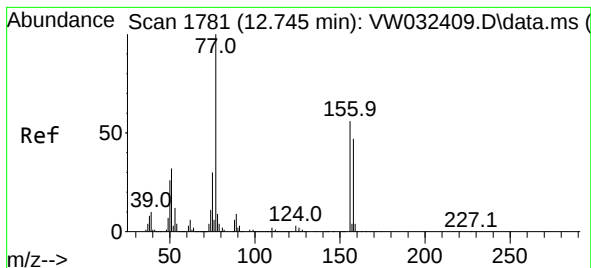
Tgt Ion:152 Resp: 302389
 Ion Ratio Lower Upper
 152 100
 115 61.6 32.8 98.3
 150 144.2 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 32.104 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032463.D
 Acq: 17 Nov 2025 17:07

Tgt Ion: 75 Resp: 133111
 Ion Ratio Lower Upper
 75 100
 77 1.7 151.6 454.8#





#77

Bromobenzene

Concen: 5.272 ug/l

RT: 12.842 min Scan# 11

Delta R.T. 0.098 min

Lab File: VW032463.D

Acq: 17 Nov 2025 17:07

Instrument :

MSVOA_W

ClientSampleId :

VNJ-212

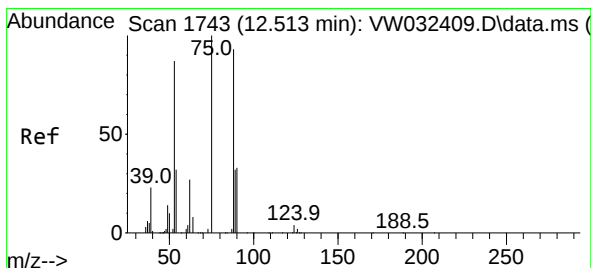
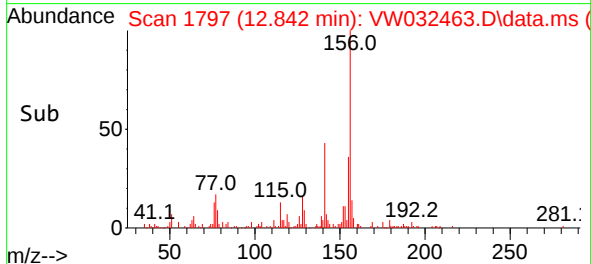
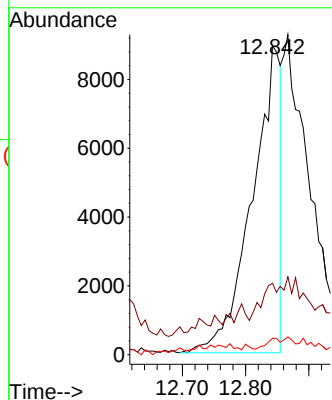
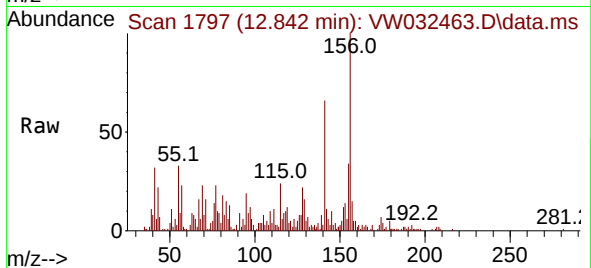
Tgt Ion:156 Resp: 27722

Ion Ratio Lower Upper

156 100

77 6.3 108.0 324.0#

158 1.5 45.1 135.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.532 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.104 min

Lab File: VW032463.D

Acq: 17 Nov 2025 17:07

Tgt Ion: 75 Resp: 133111

Ion Ratio Lower Upper

75 100

53 1.0 77.8 116.8#

89 0.0 35.6 53.4#

