

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032455.D
 Acq On : 17 Nov 2025 14:10
 Operator : SY/MD
 Sample : Q3631-03
 Misc : 5.72g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-208

Quant Time: Nov 18 03:04:38 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)

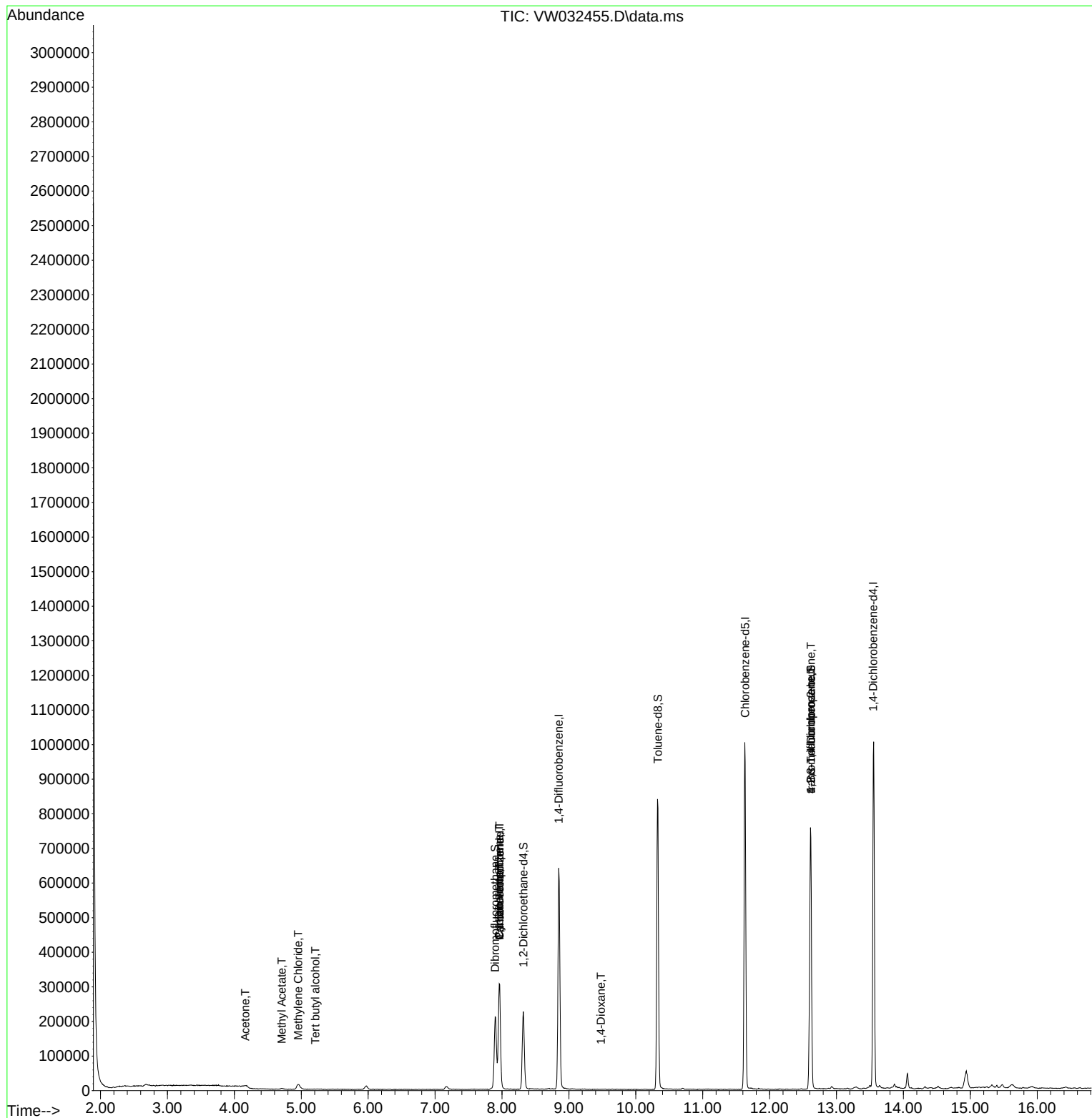
Internal Standards						
1) Pentafluorobenzene	7.965	168	216540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	534739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	554943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	254362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	176995	63.400	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 126.800%		
35) Dibromofluoromethane	7.898	113	156469	48.872	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.740%		
50) Toluene-d8	10.331	98	563046	45.842	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.680%		
62) 4-Bromofluorobenzene	12.617	95	225835	48.673	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 97.340%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	360	1.491	ug/l #	72
16) Acetone	4.161	43	1955	2.341	ug/l #	53
18) Methyl Acetate	4.710	43	5561	2.689	ug/l	95
20) Methylene Chloride	4.954	84	12856	4.304	ug/l	92
31) Cyclohexane	7.959	56	5886	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20101	4.261	ug/l #	51
38) Carbon Tetrachloride	7.965	117	23524	5.612	ug/l #	17
49) 1,4-Dioxane	9.477	88	32	1.033	ug/l #	40
76) 1,2,3-Trichloropropane	12.617	75	116126	33.296	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	116126	76.262	ug/l #	11

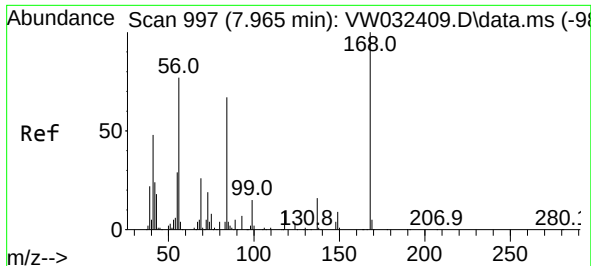
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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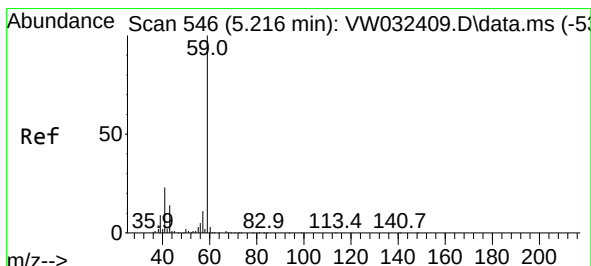
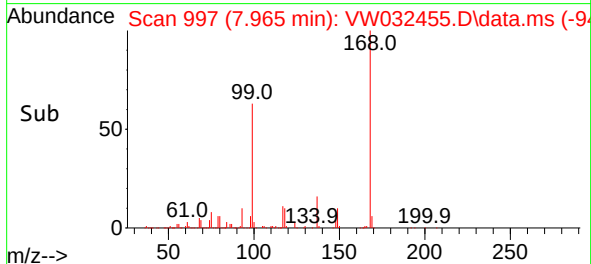
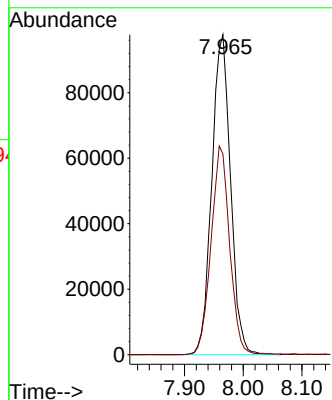
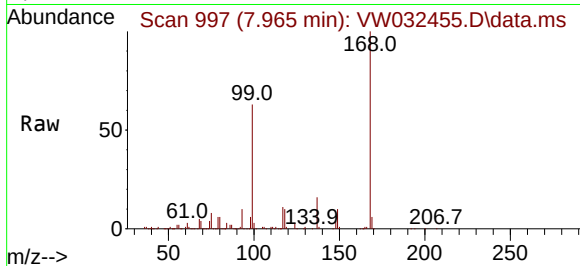




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

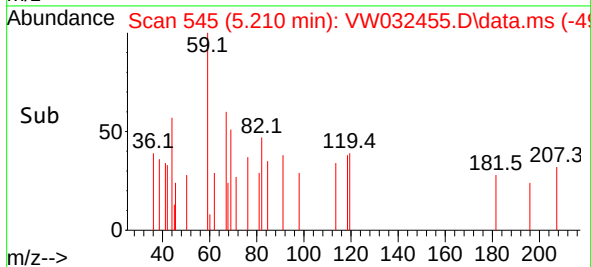
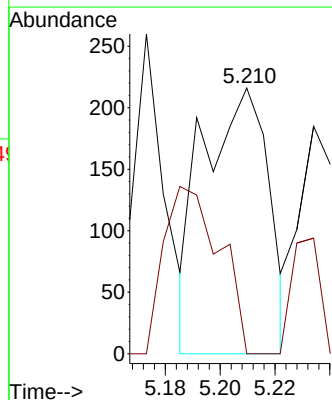
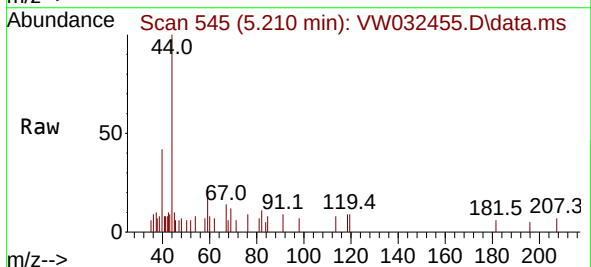
Instrument :
MSVOA_W
ClientSampleId :
VNJ-208

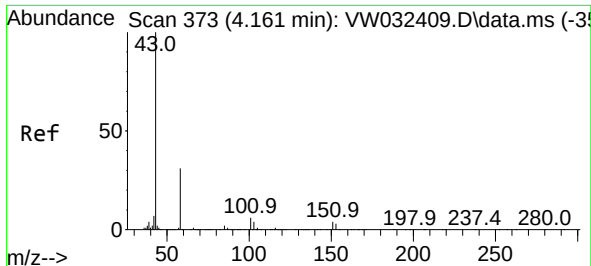
Tgt Ion:168 Resp: 216540
Ion Ratio Lower Upper
168 100
99 62.7 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.491 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

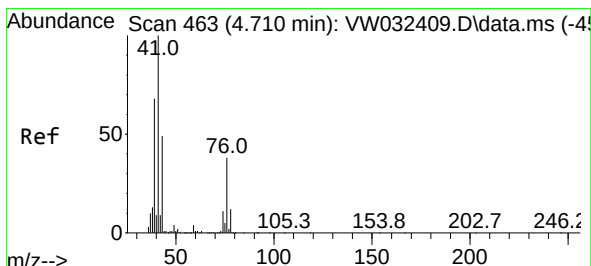
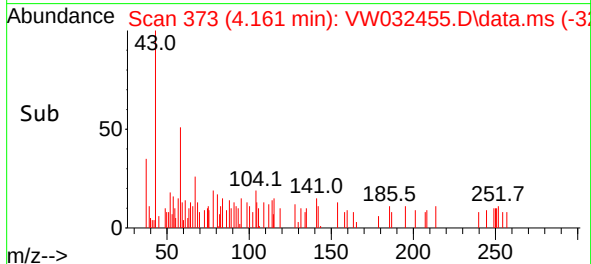
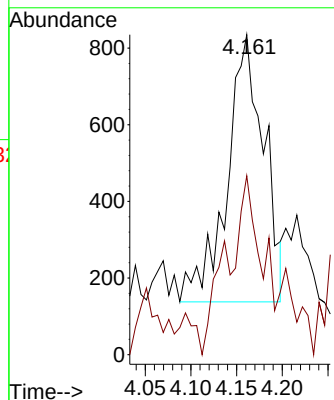
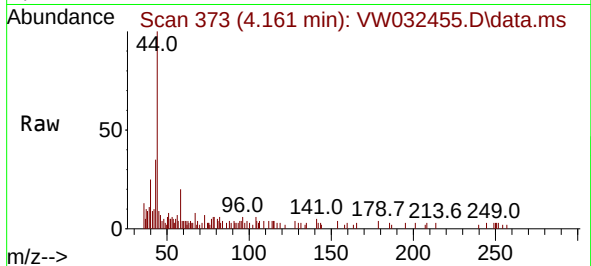




#16
Acetone
Concen: 2.341 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

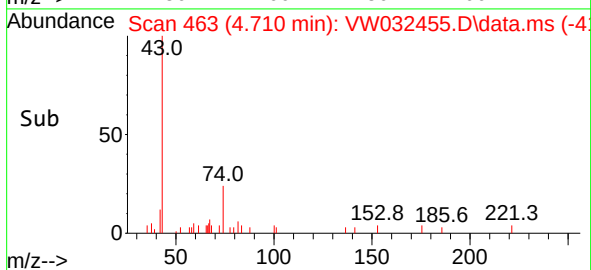
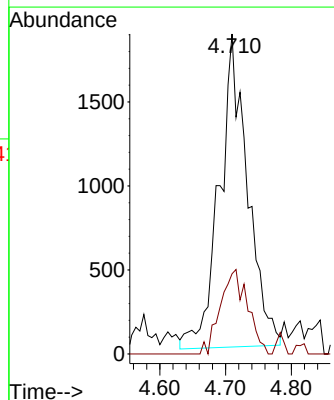
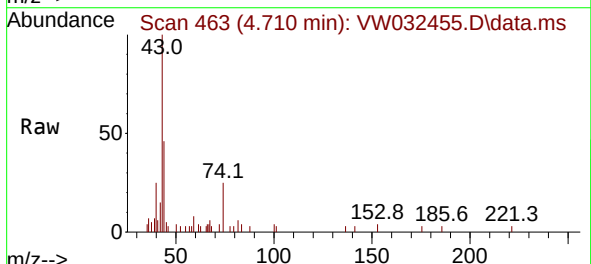
Instrument :
MSVOA_W
ClientSampleId :
VNJ-208

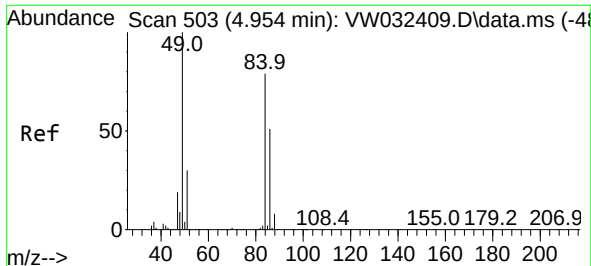
Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
58 56.8 24.8 37.2#



#18
Methyl Acetate
Concen: 2.689 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

Tgt Ion: 43 Resp: 5561
Ion Ratio Lower Upper
43 100
74 26.1 18.9 28.3

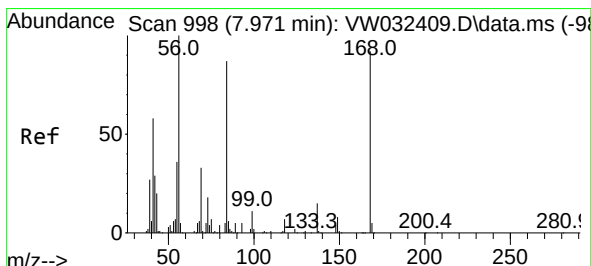
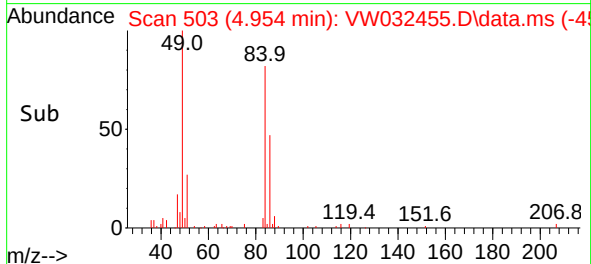
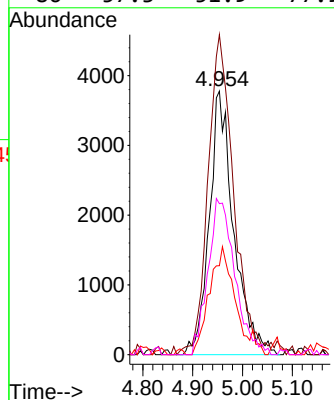
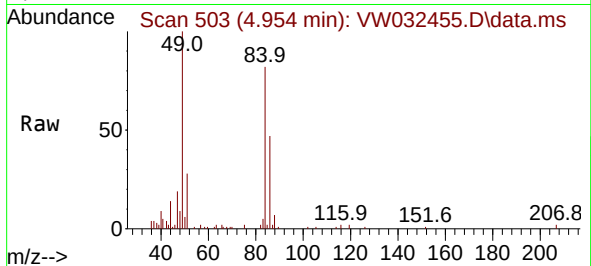




#20
Methylene Chloride
Concen: 4.304 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

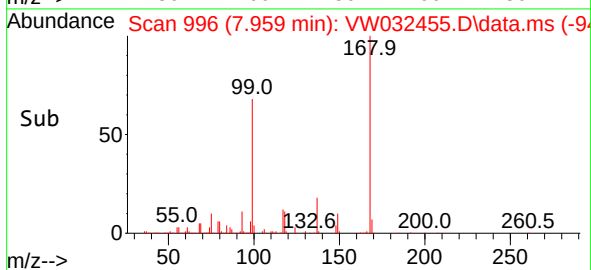
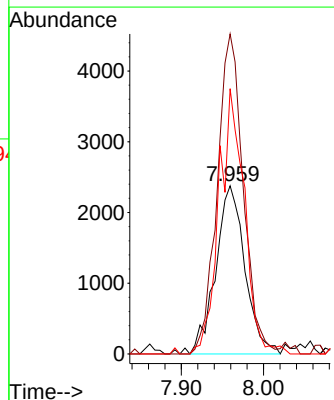
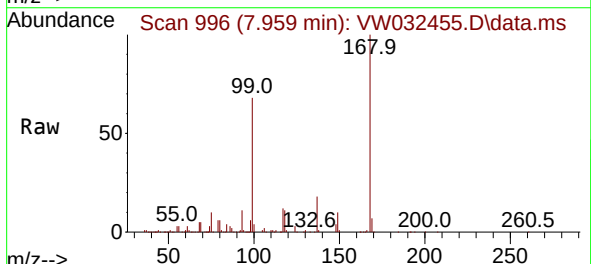
Instrument :
MSVOA_W
ClientSampleId :
VNJ-208

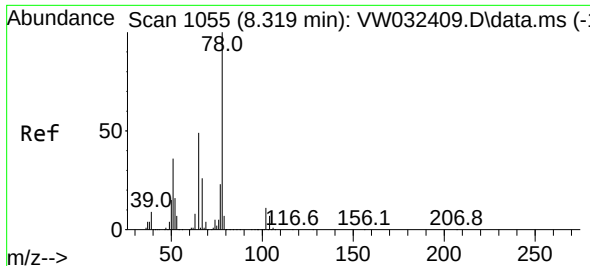
Tgt Ion:	84	Resp:	12856
Ion	Ratio	Lower	Upper
84	100		
49	120.0	101.5	152.3
51	31.5	30.6	46.0
86	57.3	51.9	77.9



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

Tgt Ion:	56	Resp:	5886
Ion	Ratio	Lower	Upper
56	100		
69	190.2	26.5	39.7#
84	157.7	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 63.400 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032455.D

Acq: 17 Nov 2025 14:10

Instrument :

MSVOA_W

ClientSampleId :

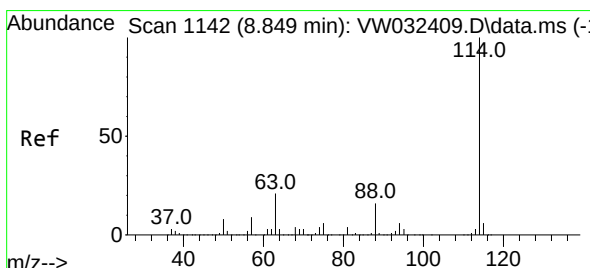
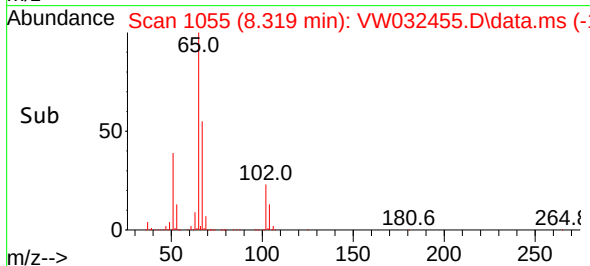
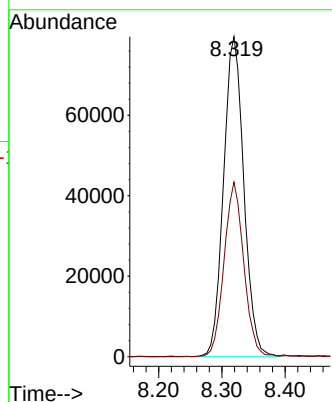
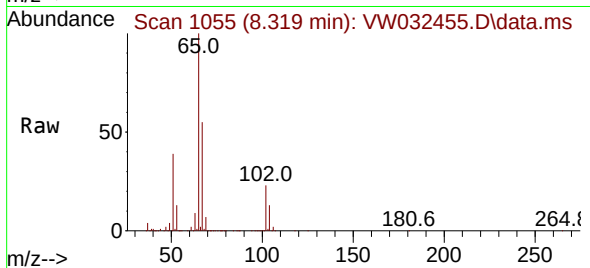
VNJ-208

Tgt Ion: 65 Resp: 176995

Ion Ratio Lower Upper

65 100

67 52.8 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: VW032455.D

Acq: 17 Nov 2025 14:10

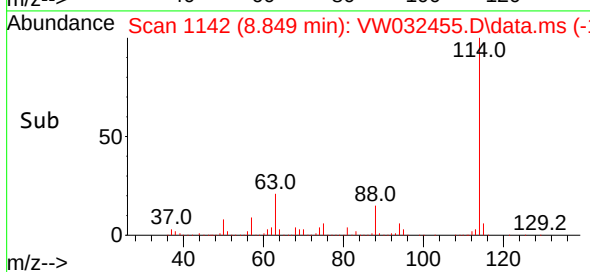
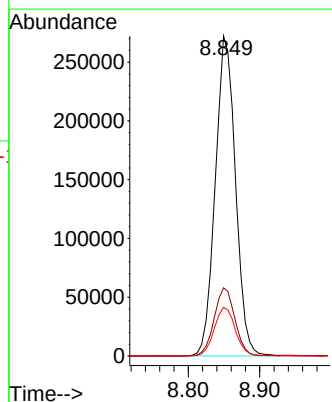
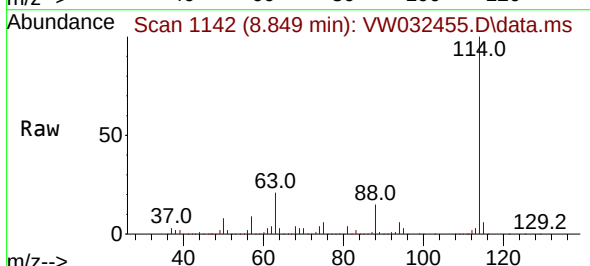
Tgt Ion: 114 Resp: 534739

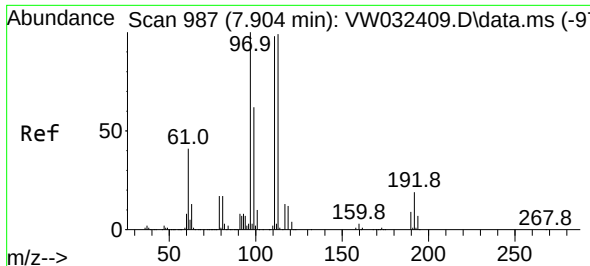
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.872 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW032455.D

Acq: 17 Nov 2025 14:10

Instrument :

MSVOA_W

ClientSampleId :

VNJ-208

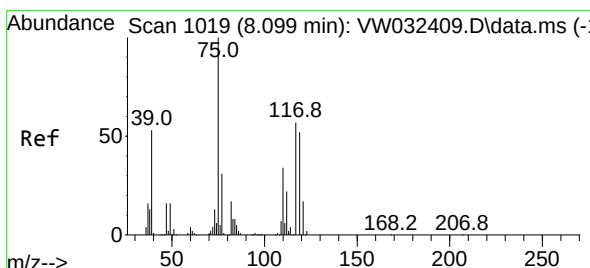
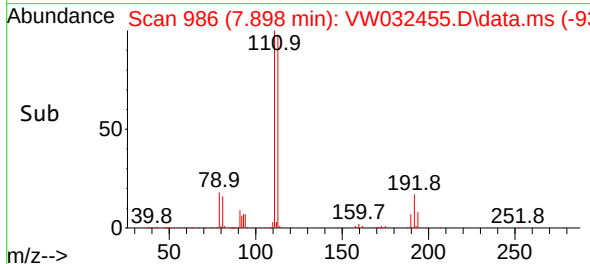
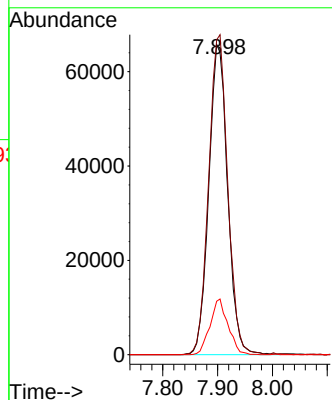
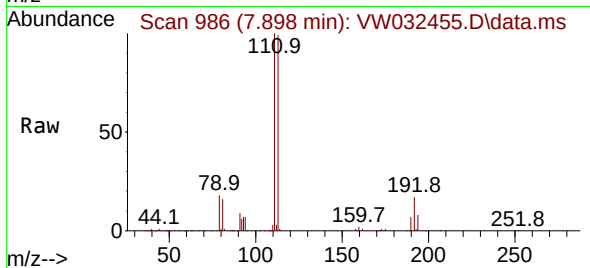
Tgt Ion:113 Resp: 156469

Ion Ratio Lower Upper

113 100

111 104.6 83.1 124.7

192 17.2 13.4 20.2



#36

1,1-Dichloropropene

Concen: 4.261 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032455.D

Acq: 17 Nov 2025 14:10

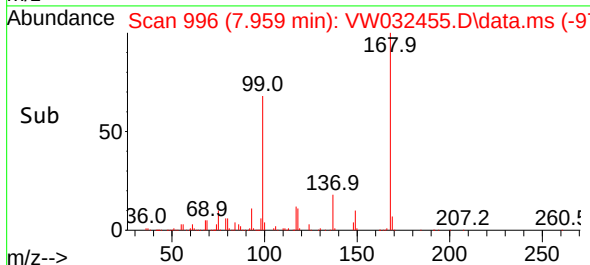
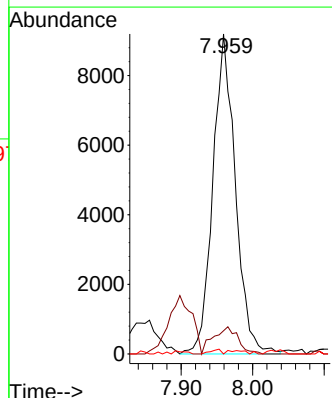
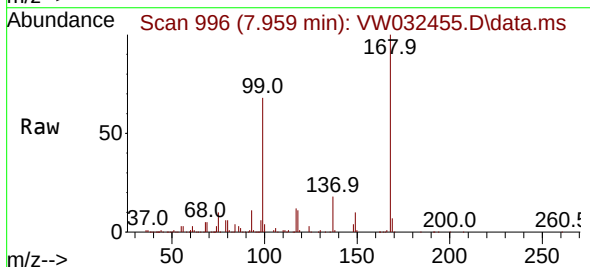
Tgt Ion: 75 Resp: 20101

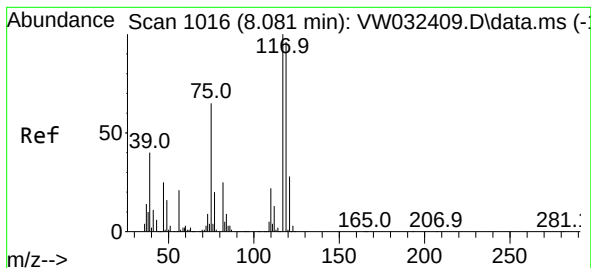
Ion Ratio Lower Upper

75 100

110 9.4 17.2 51.5#

77 0.9 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.612 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032455.D

Acq: 17 Nov 2025 14:10

Instrument :

MSVOA_W

ClientSampleId :

VNJ-208

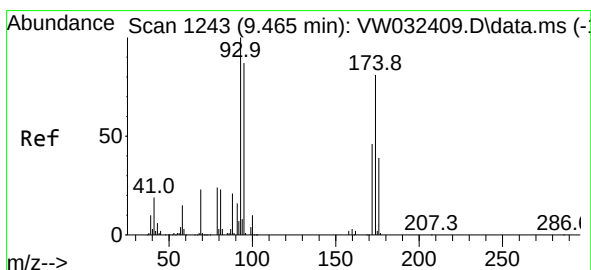
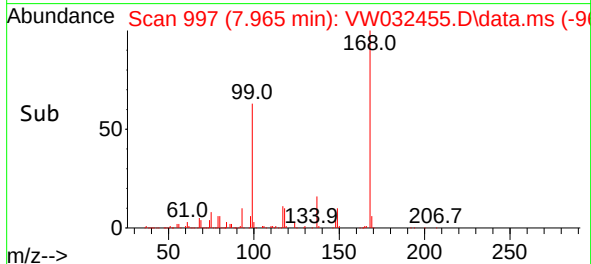
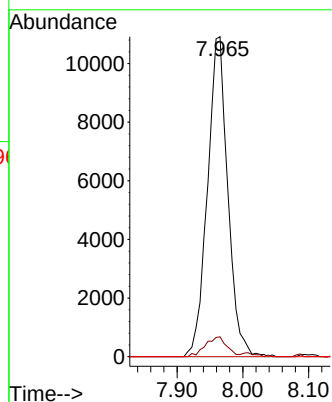
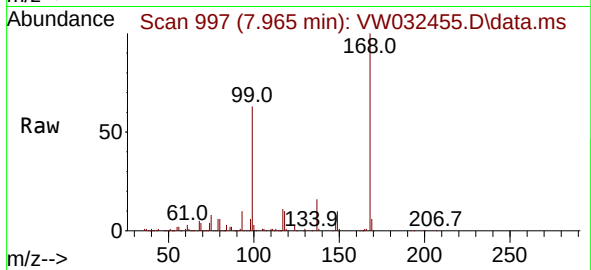
Tgt Ion:117 Resp: 23524

Ion Ratio Lower Upper

117 100

119 6.2 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 1.033 ug/l

RT: 9.477 min Scan# 1245

Delta R.T. 0.012 min

Lab File: VW032455.D

Acq: 17 Nov 2025 14:10

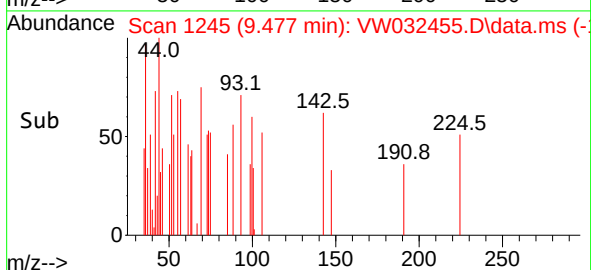
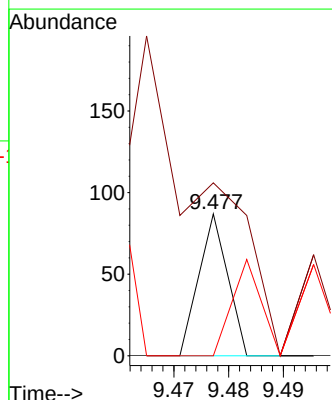
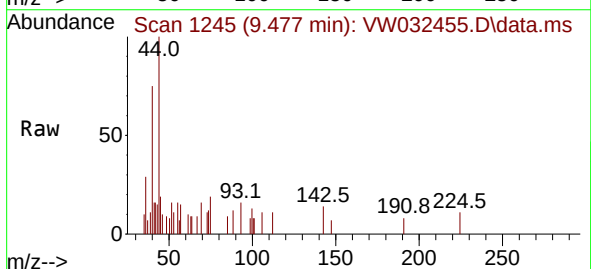
Tgt Ion: 88 Resp: 32

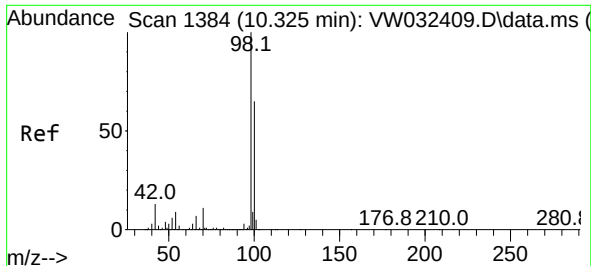
Ion Ratio Lower Upper

88 100

43 684.4 0.0 0.0#

58 131.3 63.0 94.4#

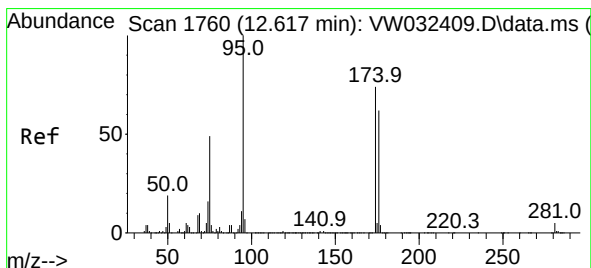
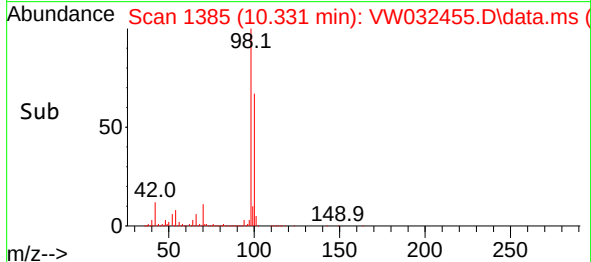
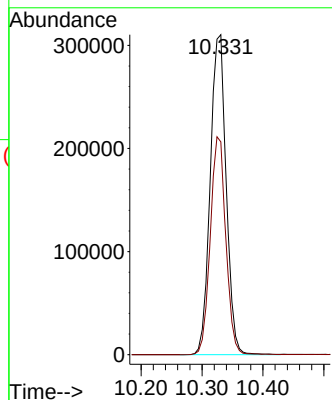
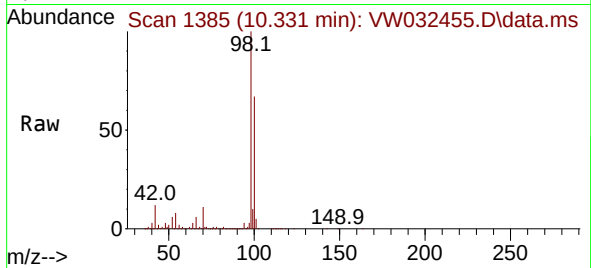




#50
Toluene-d8
Concen: 45.842 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

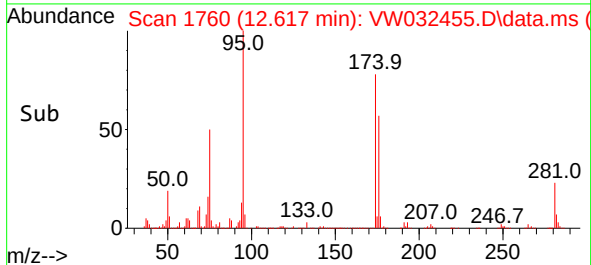
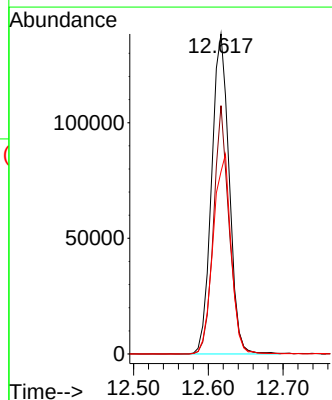
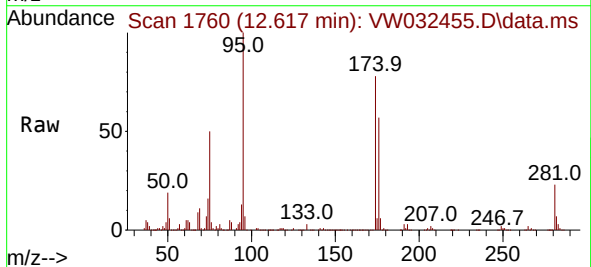
Instrument :
MSVOA_W
ClientSampleId :
VNJ-208

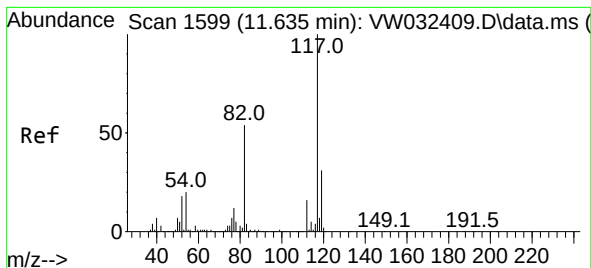
Tgt Ion: 98 Resp: 563046
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 48.673 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

Tgt Ion: 95 Resp: 225835
Ion Ratio Lower Upper
95 100
174 69.2 0.0 135.4
176 63.8 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032455.D

Acq: 17 Nov 2025 14:10

Instrument :

MSVOA_W

ClientSampleId :

VNJ-208

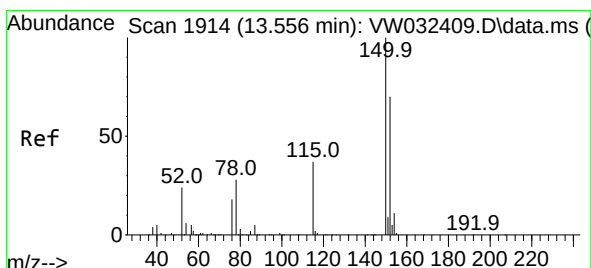
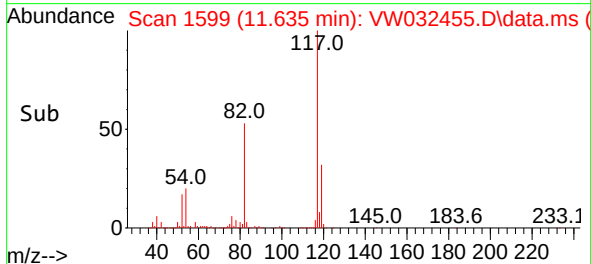
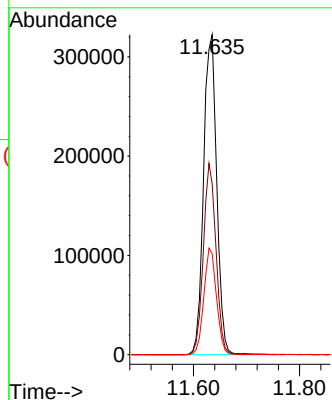
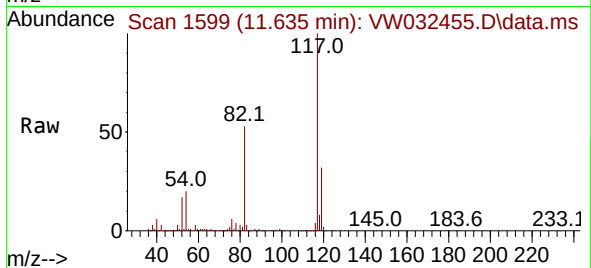
Tgt Ion:117 Resp: 554943

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 31.5 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VW032455.D

Acq: 17 Nov 2025 14:10

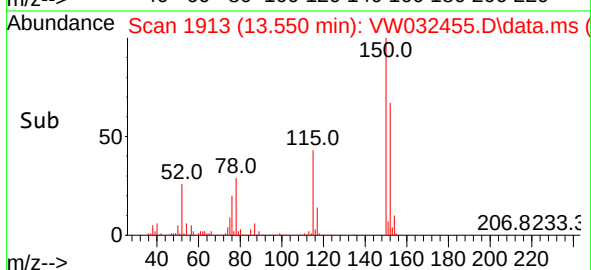
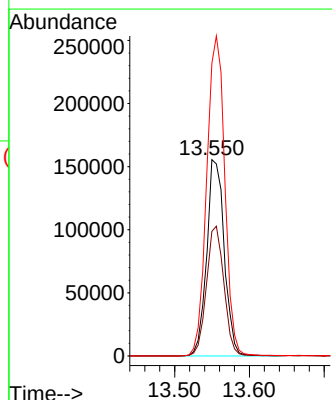
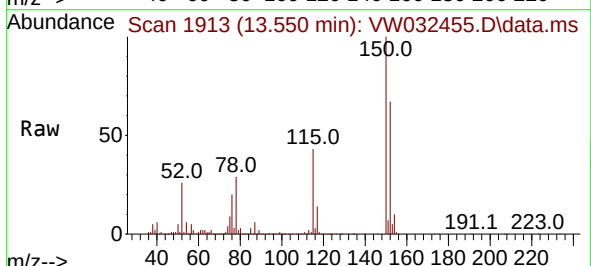
Tgt Ion:152 Resp: 254362

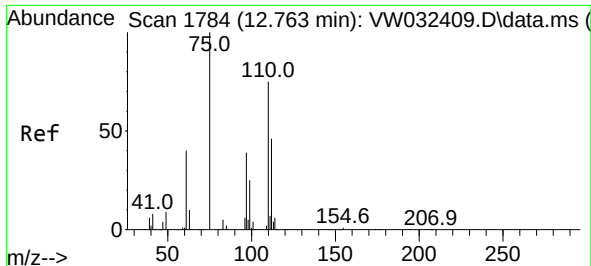
Ion Ratio Lower Upper

152 100

115 65.8 32.8 98.3

150 167.1 0.0 356.6

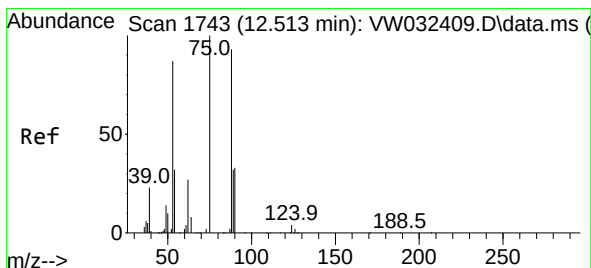
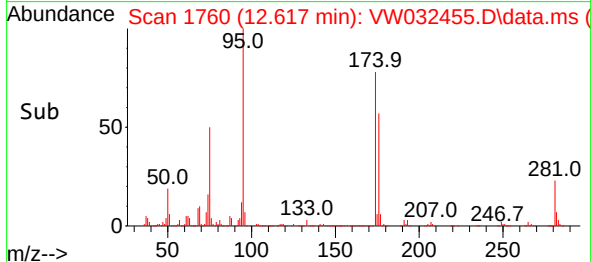
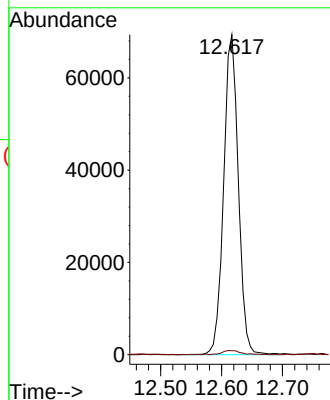
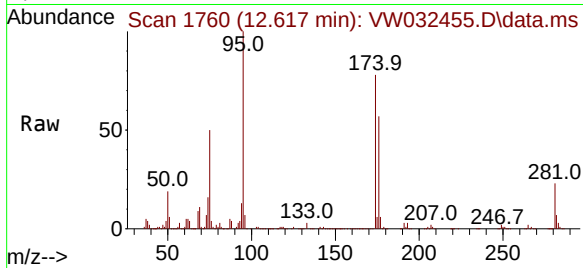




#76
1,2,3-Trichloropropane
Concen: 33.296 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

Instrument :
MSVOA_W
ClientSampleId :
VNJ-208

Tgt Ion: 75 Resp: 116126
Ion Ratio Lower Upper
75 100
77 1.7 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.262 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032455.D
Acq: 17 Nov 2025 14:10

Tgt Ion: 75 Resp: 116126
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 1.3 35.6 53.4#

