

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032229.D
 Acq On : 22 Sep 2025 12:55
 Operator : SY/MD
 Sample : Q3159-01
 Misc : 4.57g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-245

Quant Time: Sep 23 06:06:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

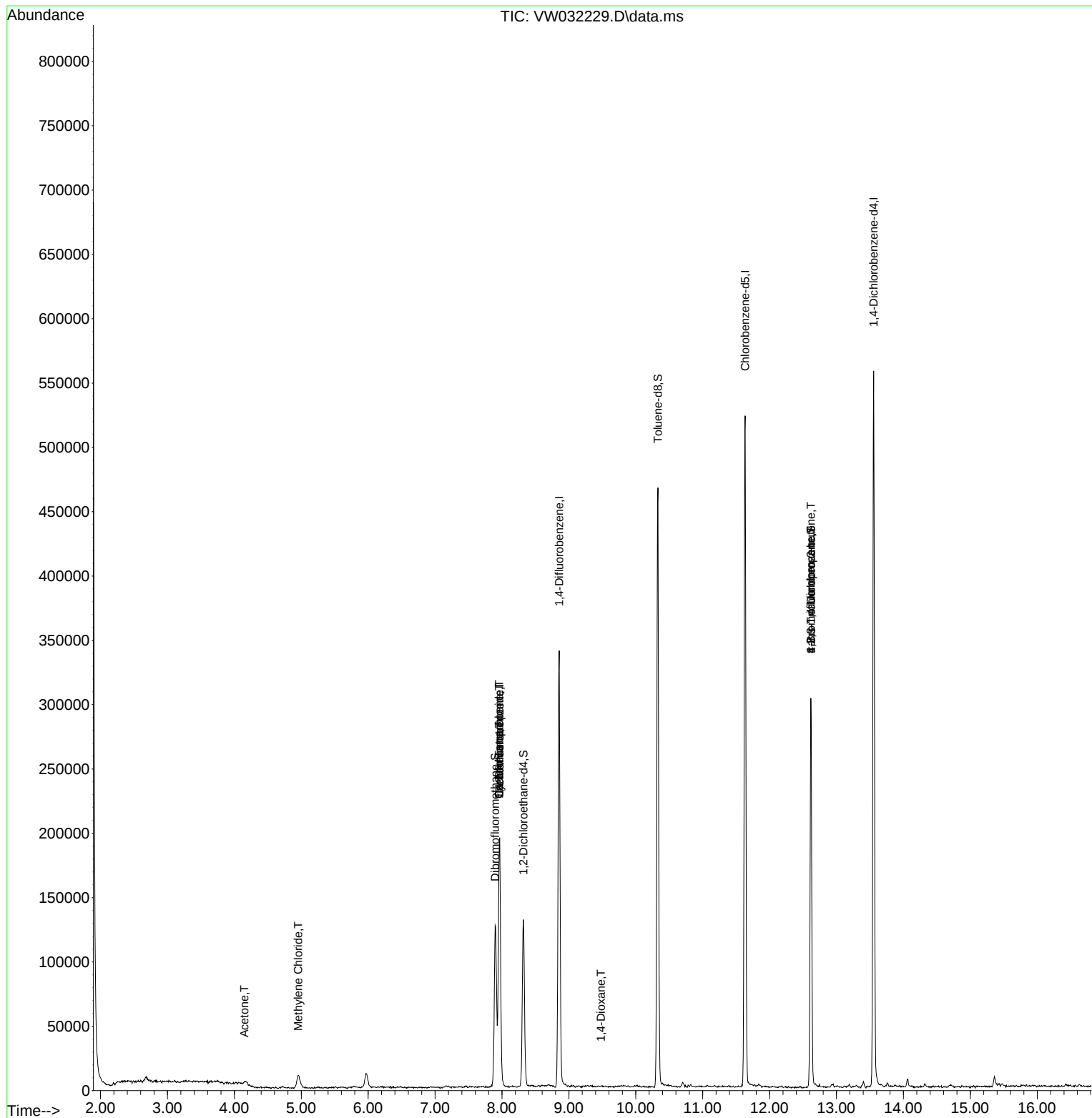
Internal Standards						
1) Pentafluorobenzene	7.965	168	133738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	274205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	283703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	109389	57.193	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 114.380%		
35) Dibromofluoromethane	7.898	113	90626	47.108	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 94.220%		
50) Toluene-d8	10.331	98	298959	44.267	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 88.540%		
62) 4-Bromofluorobenzene	12.617	95	98566	39.469	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 78.940%		
Target Compounds						
					Qvalue	
16) Acetone	4.149	43	2093	5.053	ug/l	93
20) Methylene Chloride	4.954	84	8558	1.420	ug/l #	94
31) Cyclohexane	7.959	56	4130	1.759	ug/l #	36
36) 1,1-Dichloropropene	7.959	75	12850	5.152	ug/l #	51
38) Carbon Tetrachloride	7.959	117	15832	5.921	ug/l #	17
49) 1,4-Dioxane	9.477	88	20	1.270	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	55646	31.534	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	55646	84.904	ug/l #	5

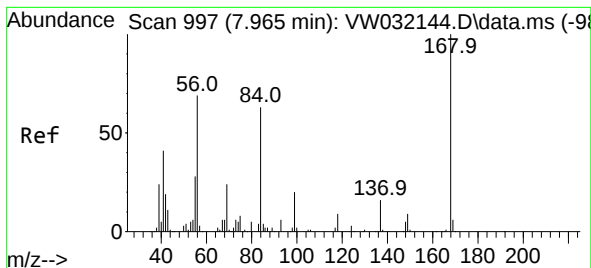
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

Lab File: VW032229.D

Acq: 22 Sep 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

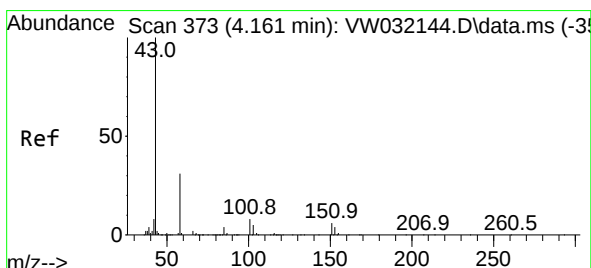
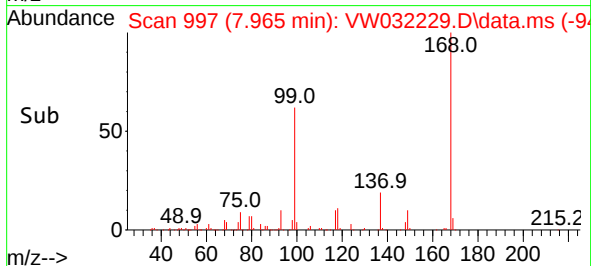
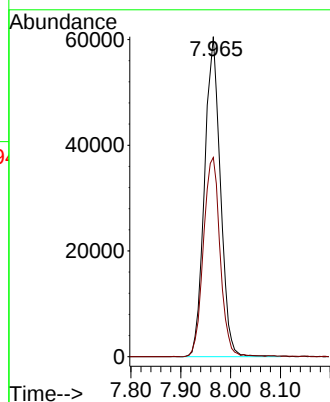
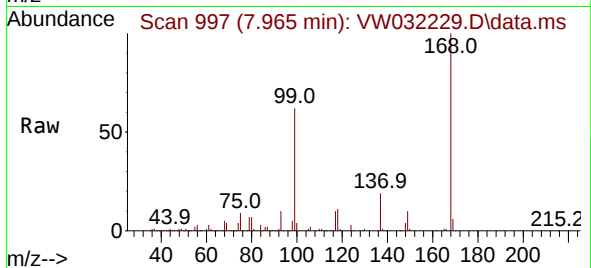
VNJ-245

Tgt Ion:168 Resp: 133738

Ion Ratio Lower Upper

168 100

99 62.3 49.3 73.9



#16

Acetone

Concen: 5.053 ug/l

RT: 4.149 min Scan# 371

Delta R.T. -0.012 min

Lab File: VW032229.D

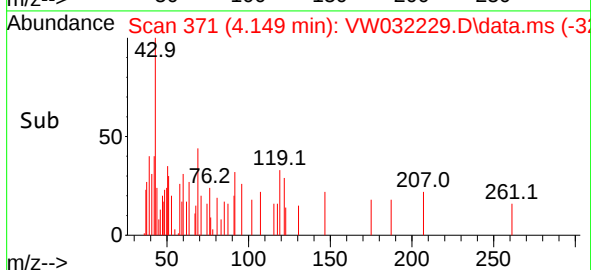
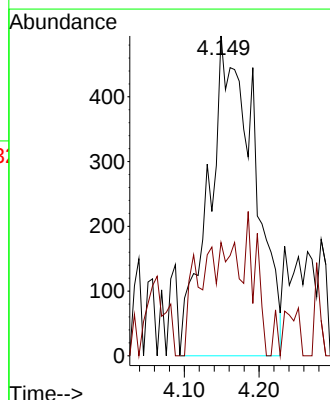
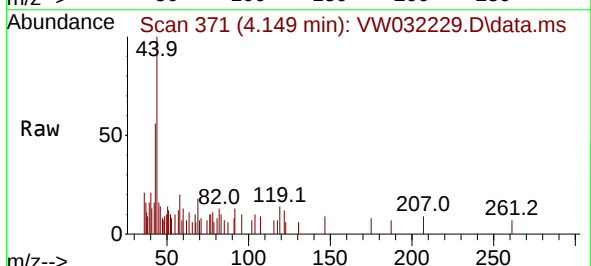
Acq: 22 Sep 2025 12:55

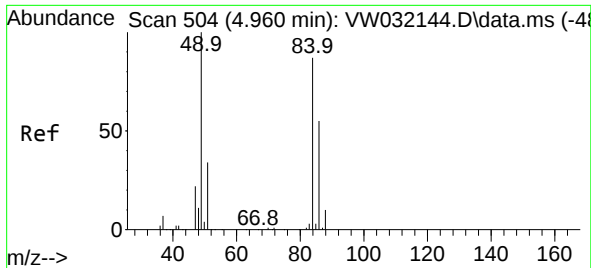
Tgt Ion: 43 Resp: 2093

Ion Ratio Lower Upper

43 100

58 35.4 25.3 37.9

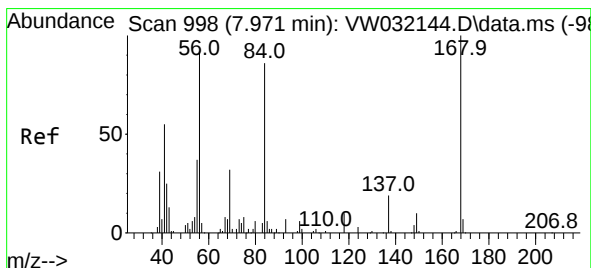
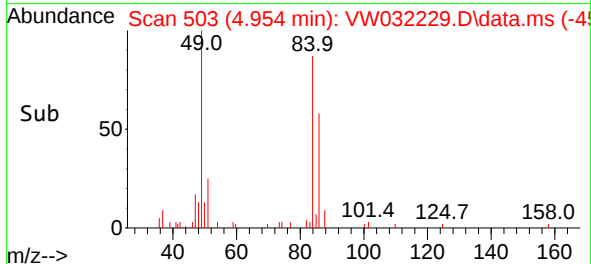
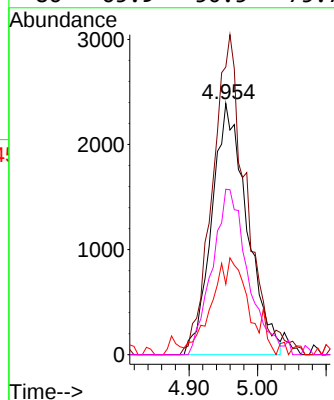
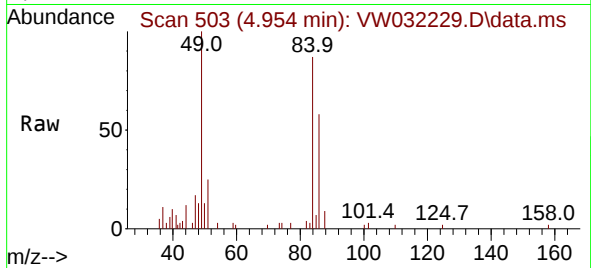




#20
Methylene Chloride
Concen: 1.420 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

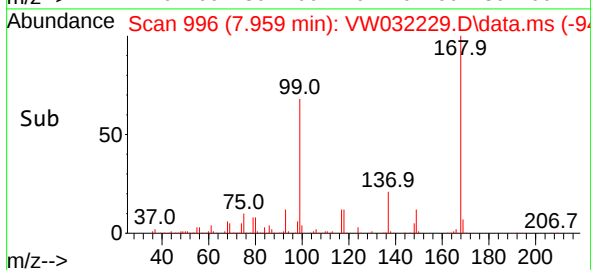
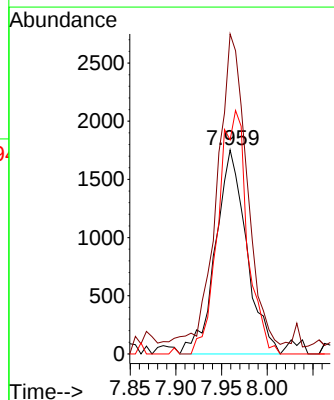
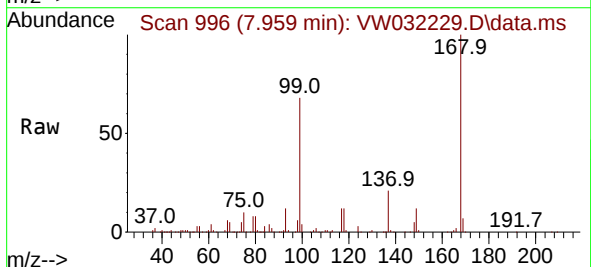
Instrument :
MSVOA_W
ClientSampleId :
VNJ-245

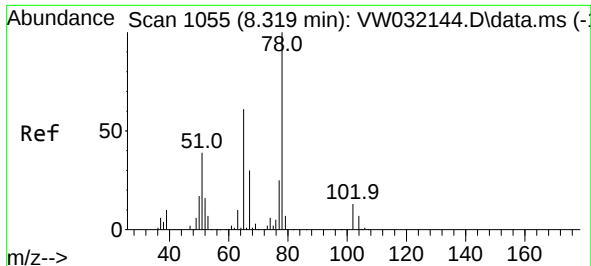
Tgt Ion:	84	Resp:	8558
Ion	Ratio	Lower	Upper
84	100		
49	114.5	92.2	138.4
51	24.9	31.0	46.6#
86	65.9	50.5	75.7



#31
Cyclohexane
Concen: 1.759 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

Tgt Ion:	56	Resp:	4130
Ion	Ratio	Lower	Upper
56	100		
69	152.2	27.7	41.5#
84	105.0	74.6	112.0

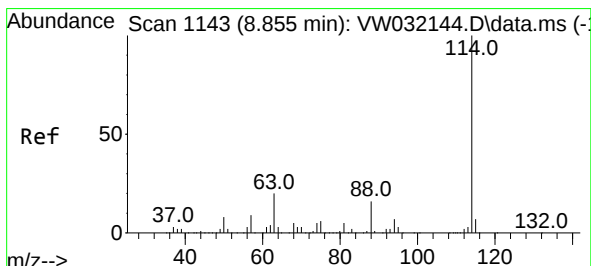
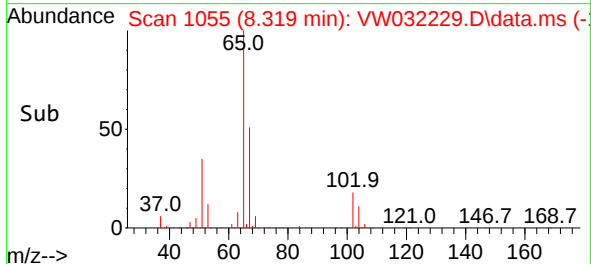
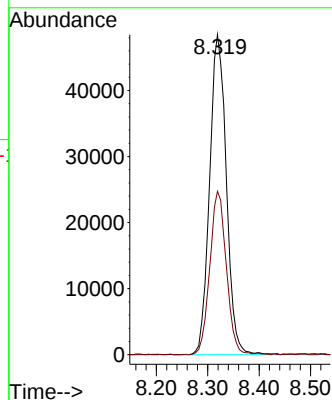
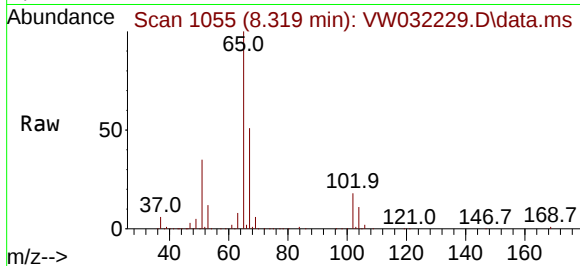




#33
 1,2-Dichloroethane-d4
 Concen: 57.193 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032229.D
 Acq: 22 Sep 2025 12:55

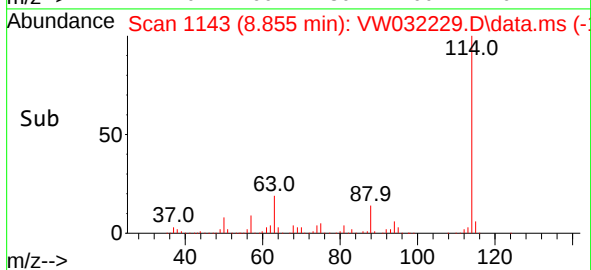
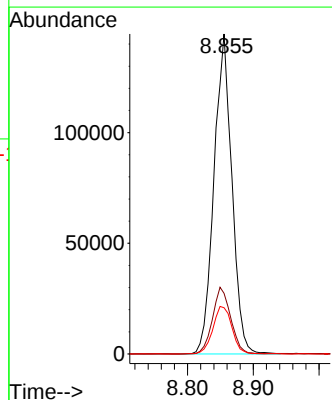
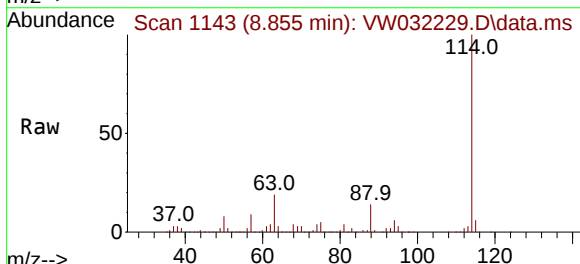
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-245

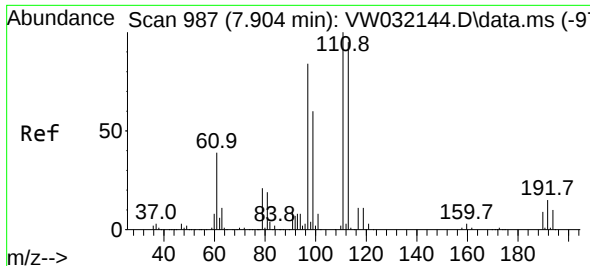
Tgt Ion: 65 Resp: 109389
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032229.D
 Acq: 22 Sep 2025 12:55

Tgt Ion: 114 Resp: 274205
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.4
 88 14.4 0.0 32.0

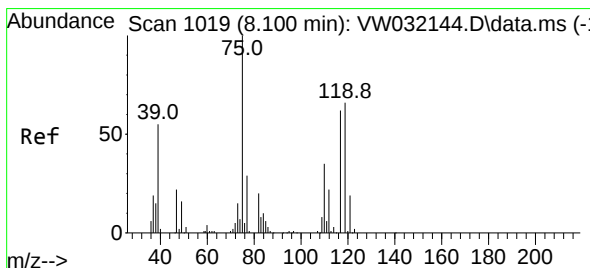
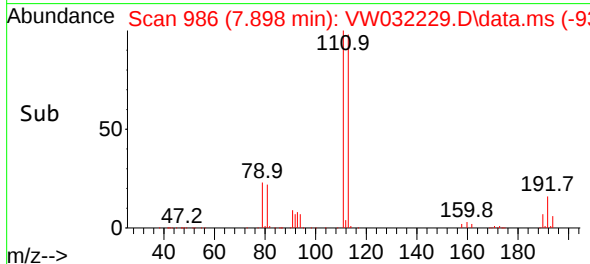
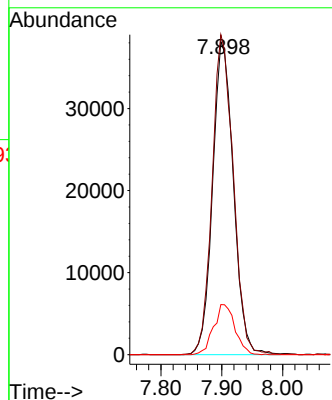
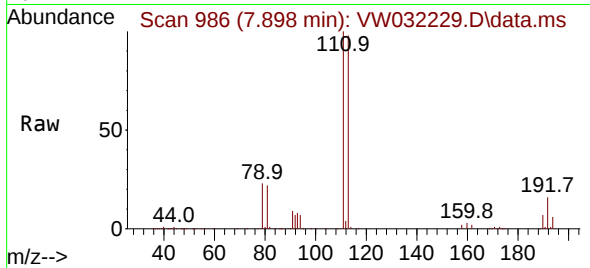




#35
 Dibromofluoromethane
 Concen: 47.108 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032229.D
 Acq: 22 Sep 2025 12:55

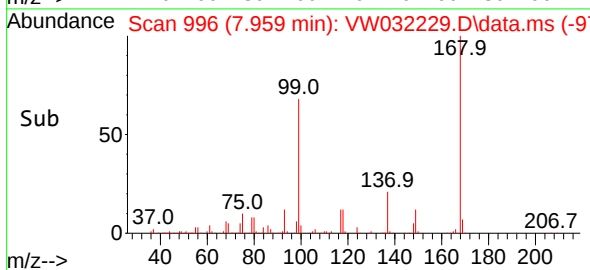
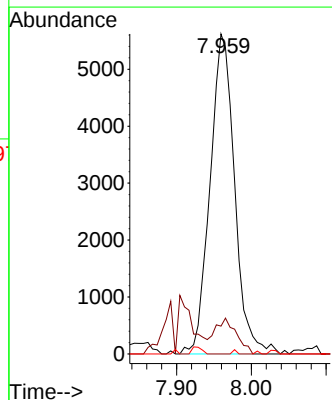
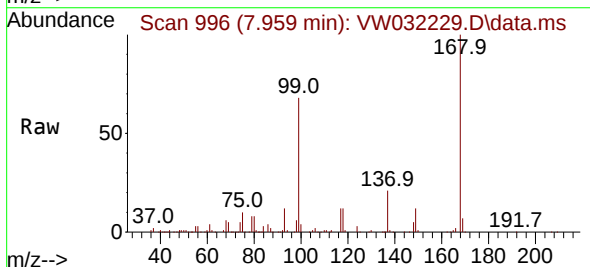
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-245

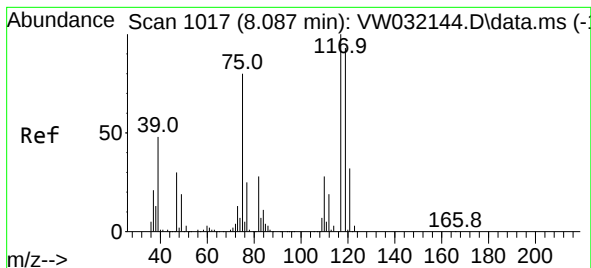
Tgt Ion:113 Resp: 90626
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.9 125.9
 192 16.4 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 5.152 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032229.D
 Acq: 22 Sep 2025 12:55

Tgt Ion: 75 Resp: 12850
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.5 52.5#
 77 0.2 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.921 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032229.D

Acq: 22 Sep 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VNJ-245

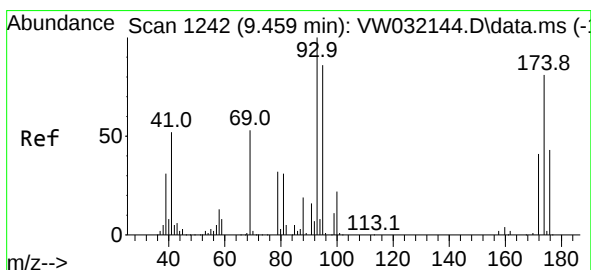
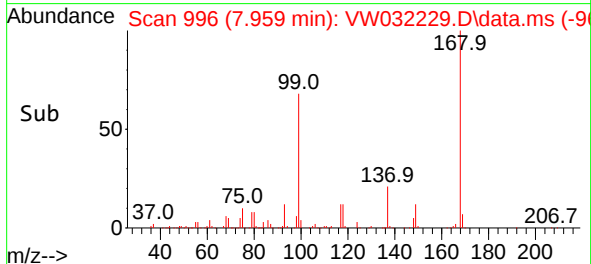
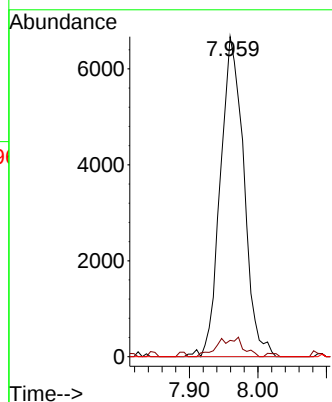
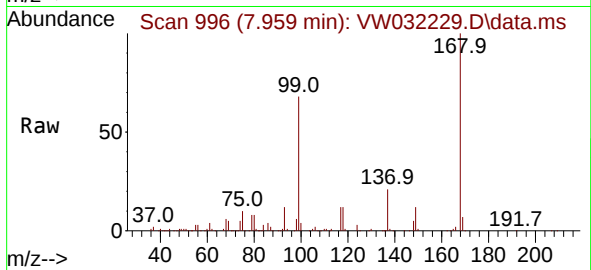
Tgt Ion:117 Resp: 15832

Ion Ratio Lower Upper

117 100

119 5.1 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 1.270 ug/l

RT: 9.477 min Scan# 1245

Delta R.T. 0.018 min

Lab File: VW032229.D

Acq: 22 Sep 2025 12:55

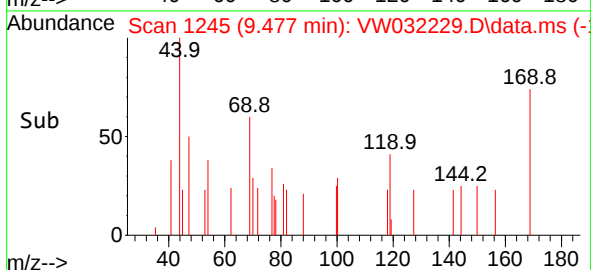
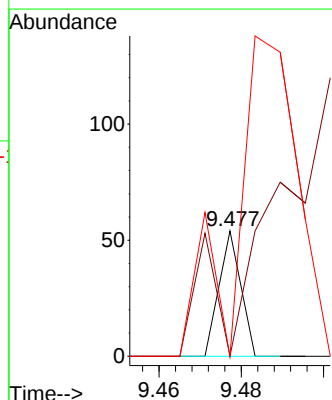
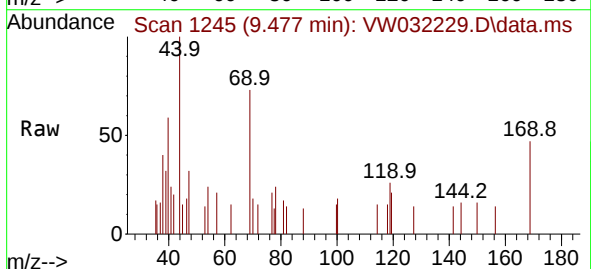
Tgt Ion: 88 Resp: 20

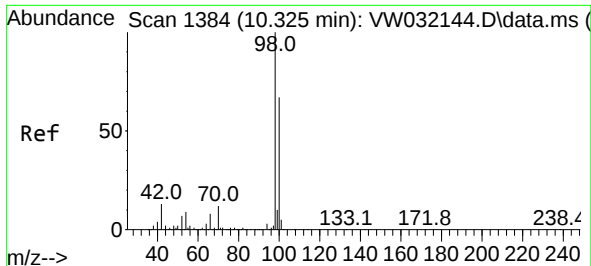
Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 825.0 55.4 83.0#

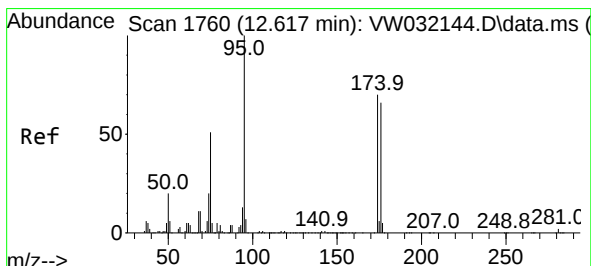
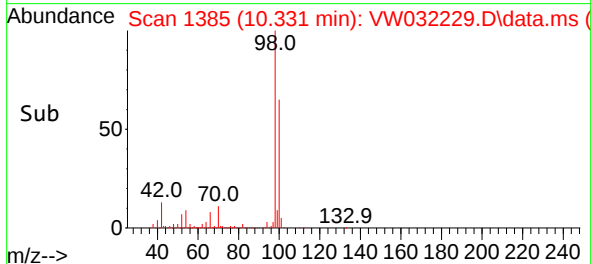
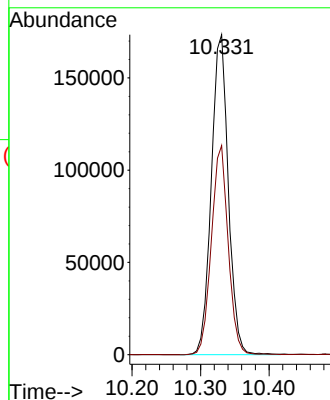
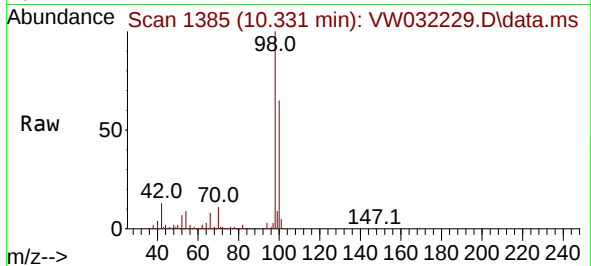




#50
Toluene-d8
Concen: 44.267 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

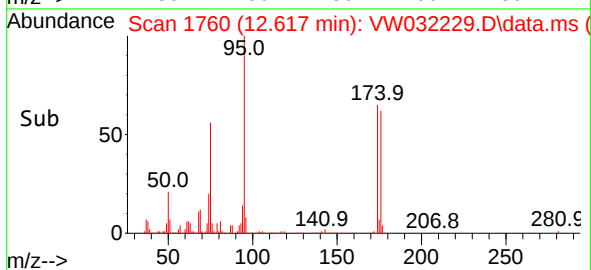
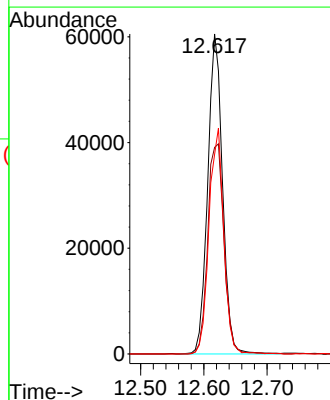
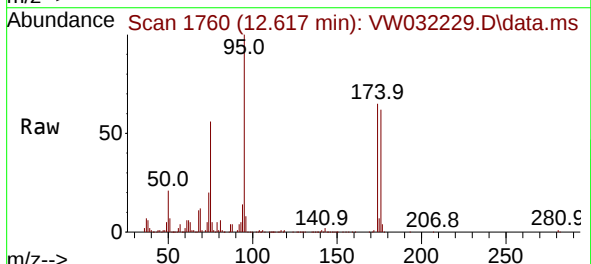
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VNJ-245

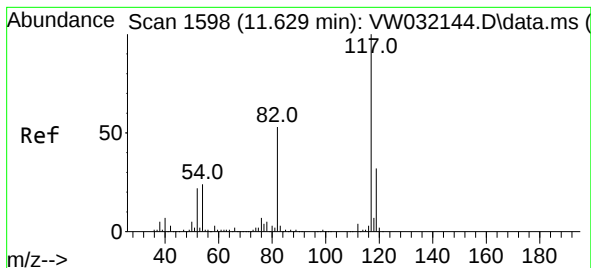
Tgt Ion: 98 Resp: 298959
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 39.469 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

Tgt Ion: 95 Resp: 98566
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.6
176 70.3 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032229.D

Acq: 22 Sep 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VNJ-245

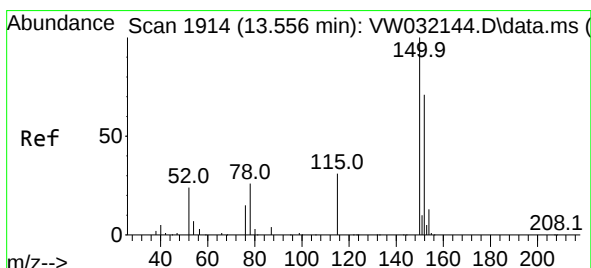
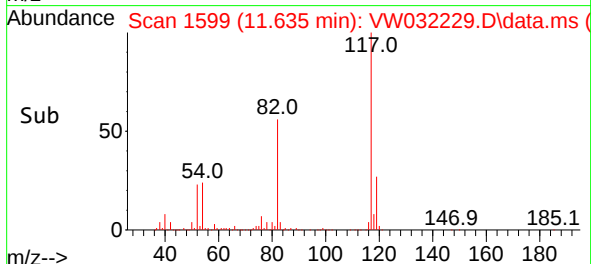
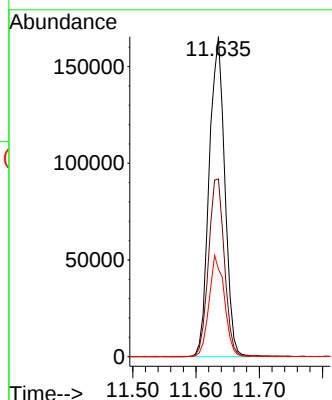
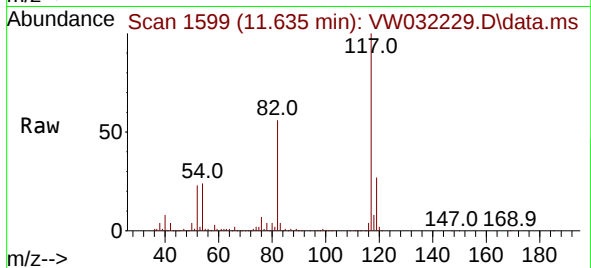
Tgt Ion:117 Resp: 283703

Ion Ratio Lower Upper

117 100

82 55.6 42.7 64.1

119 27.3 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032229.D

Acq: 22 Sep 2025 12:55

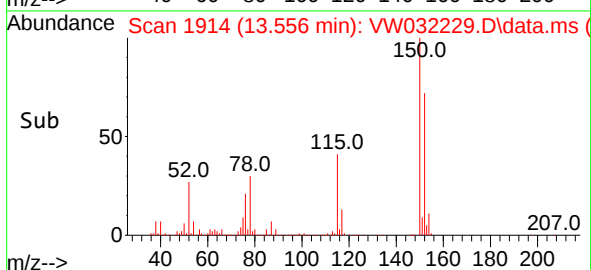
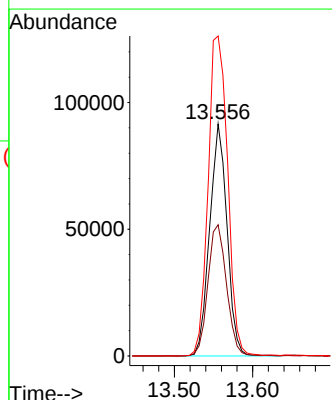
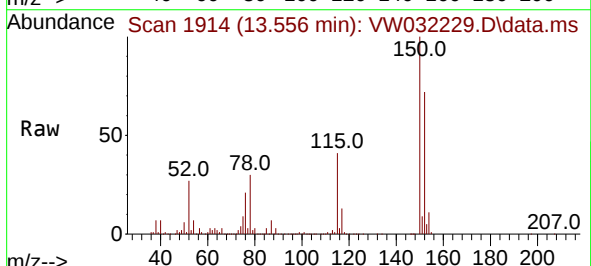
Tgt Ion:152 Resp: 140855

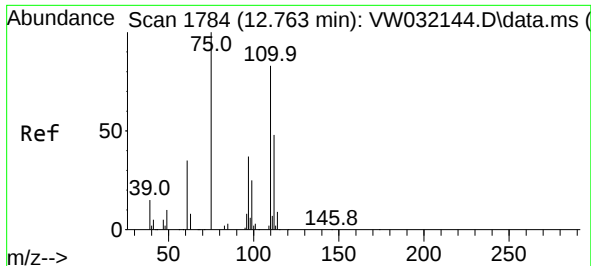
Ion Ratio Lower Upper

152 100

115 60.6 31.8 95.4

150 155.0 0.0 343.0

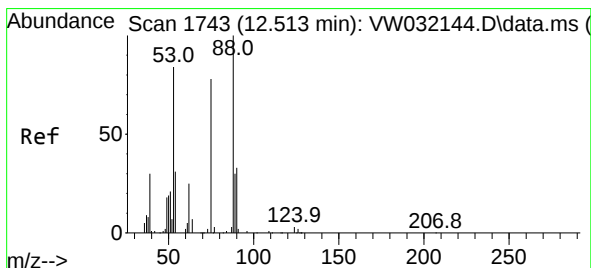
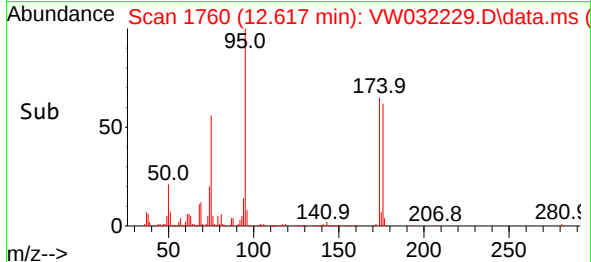
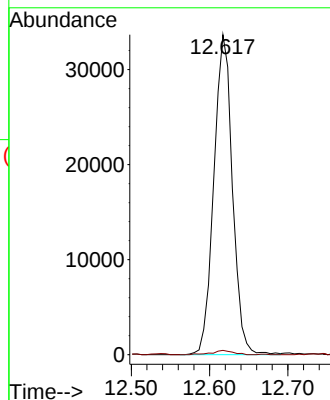
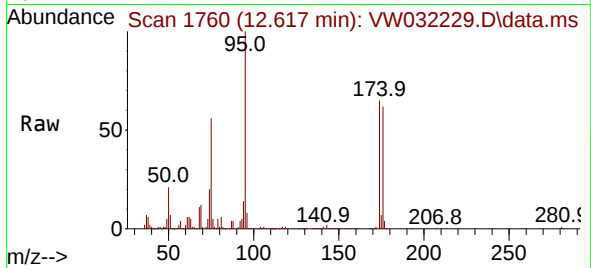




#76
1,2,3-Trichloropropane
Concen: 31.534 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VNJ-245

Tgt Ion: 75 Resp: 55646
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.904 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

Tgt Ion: 75 Resp: 55646
Ion Ratio Lower Upper
75 100
53 0.7 91.0 136.6#
89 0.0 39.4 59.2#

