

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032198.D
 Acq On : 18 Sep 2025 14:42
 Operator : SY/MD
 Sample : Q3133-03
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-222

Quant Time: Sep 19 04:34:21 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)

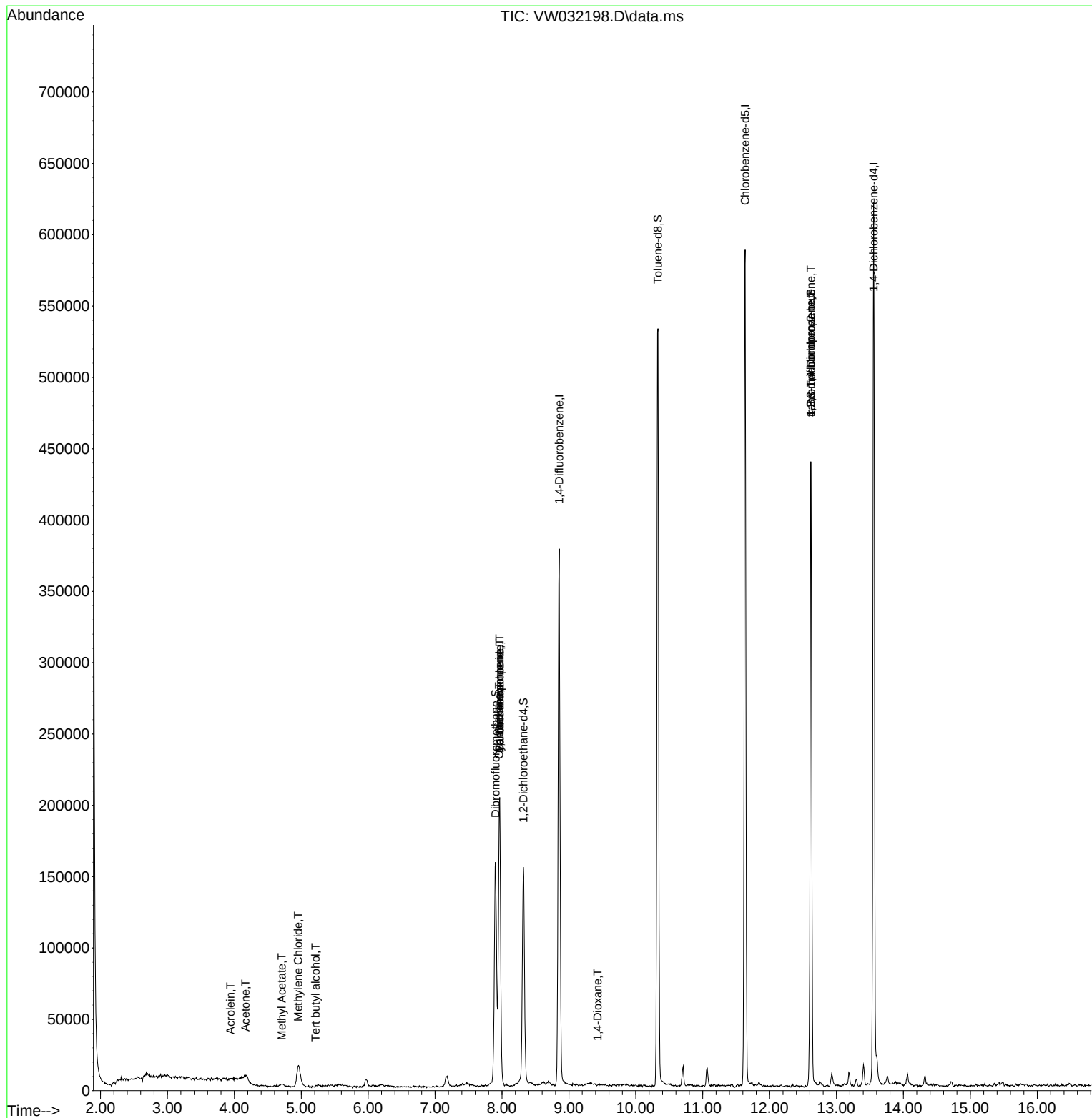
Internal Standards						
1) Pentafluorobenzene	7.965	168	136755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	298804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	317044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	151374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125161	63.996	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 128.000%		
35) Dibromofluoromethane	7.904	113	109886	52.417	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 104.840%		
50) Toluene-d8	10.331	98	349693	47.517	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.040%		
62) 4-Bromofluorobenzene	12.617	95	134587	49.456	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 98.920%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.216	59	241	2.015	ug/l #	26
13) Acrolein	3.942	56	223	1.213	ug/l #	14
16) Acetone	4.167	43	3331	7.864	ug/l	92
18) Methyl Acetate	4.710	43	3008	2.229	ug/l #	88
20) Methylene Chloride	4.954	84	14934	5.137	ug/l	97
31) Cyclohexane	7.959	56	4196	1.748	ug/l #	20
36) 1,1-Dichloropropene	7.965	75	12834	4.722	ug/l #	52
38) Carbon Tetrachloride	7.965	117	15428	5.295	ug/l #	18
49) 1,4-Dioxane	9.428	88	19	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	77175	40.695	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	77175	109.570	ug/l #	5

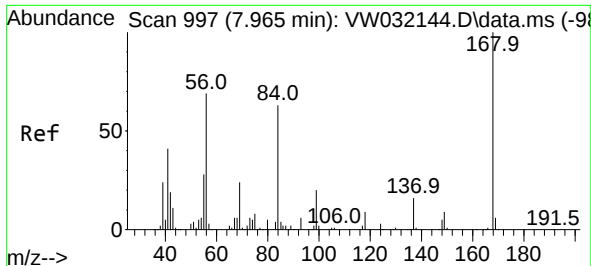
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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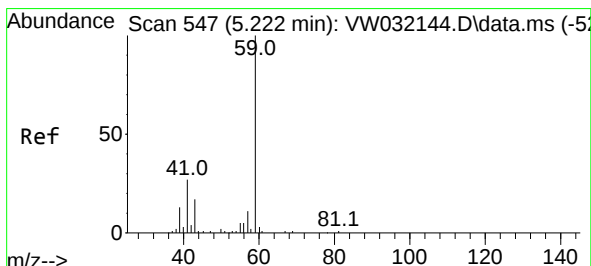
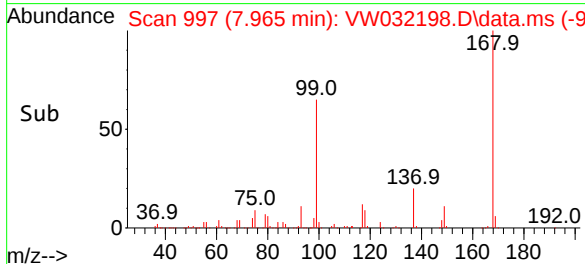
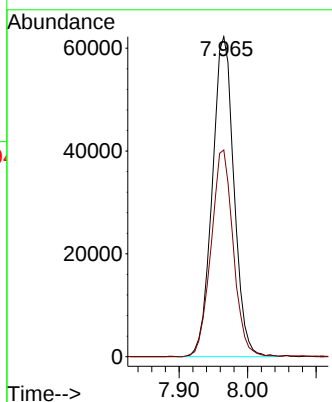
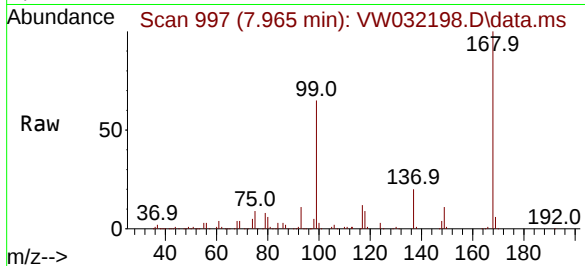




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

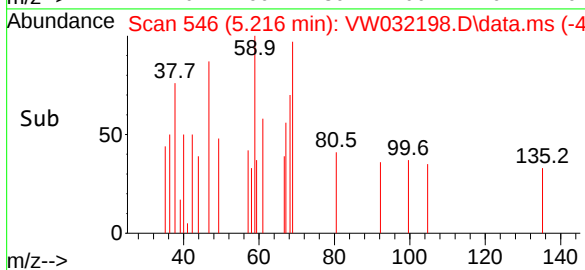
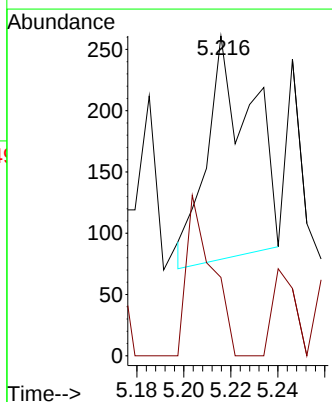
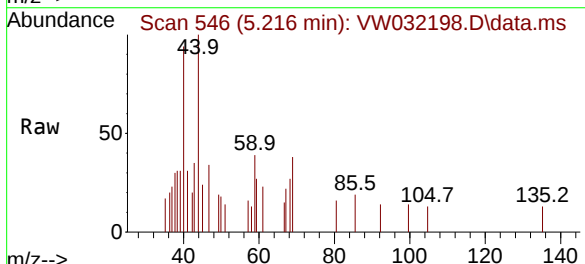
Instrument :
MSVOA_W
ClientSampleId :
VNJ-222

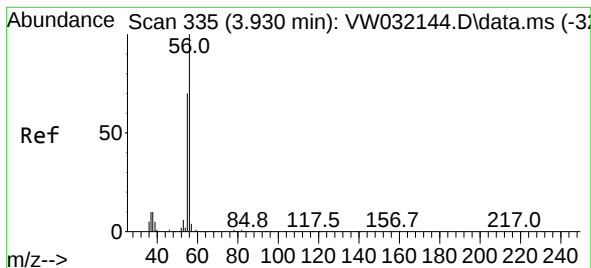
Tgt Ion:168 Resp: 136755
Ion Ratio Lower Upper
168 100
99 64.6 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.015 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 41.1 9.8 14.6#





#13

Acrolein

Concen: 1.213 ug/l

RT: 3.942 min Scan# 31

Delta R.T. 0.012 min

Lab File: VW032198.D

Acq: 18 Sep 2025 14:42

Instrument :

MSVOA_W

ClientSampleId :

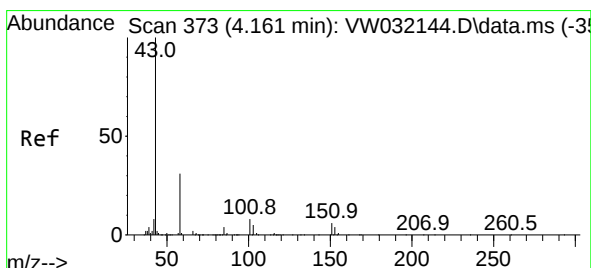
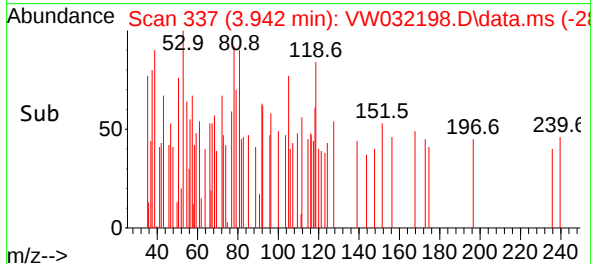
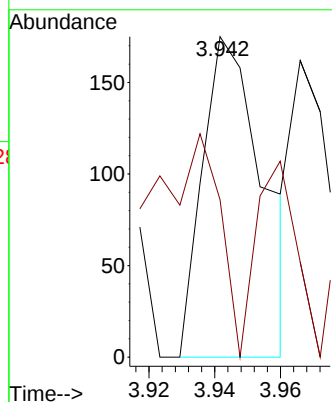
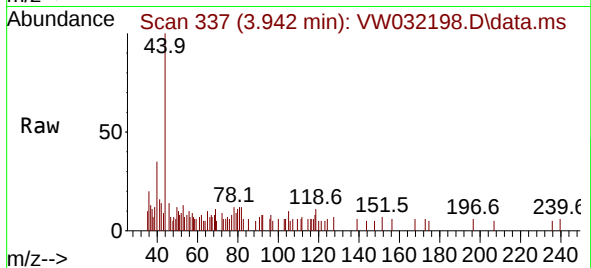
VNJ-222

Tgt Ion: 56 Resp: 223

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 7.864 ug/l

RT: 4.167 min Scan# 374

Delta R.T. 0.006 min

Lab File: VW032198.D

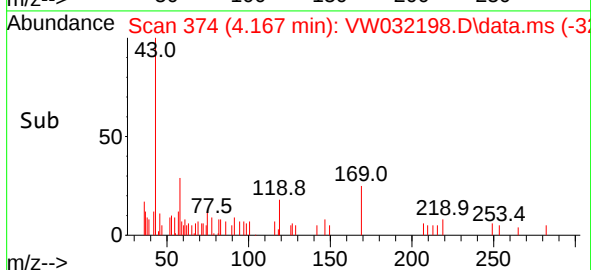
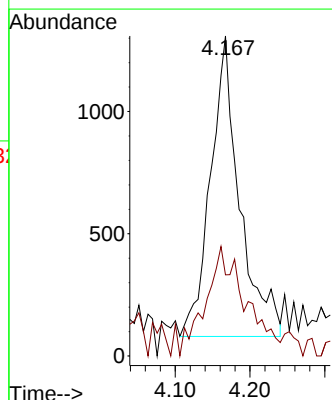
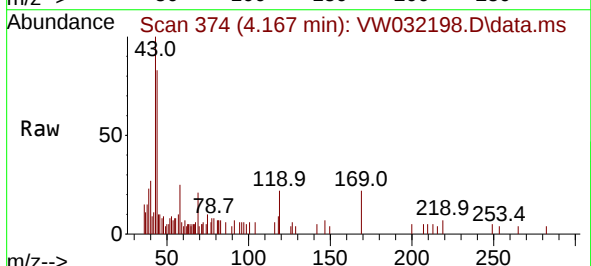
Acq: 18 Sep 2025 14:42

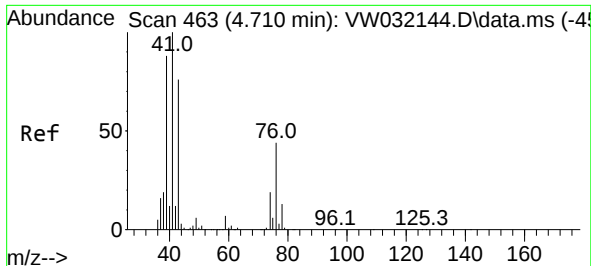
Tgt Ion: 43 Resp: 3331

Ion Ratio Lower Upper

43 100

58 27.0 25.3 37.9

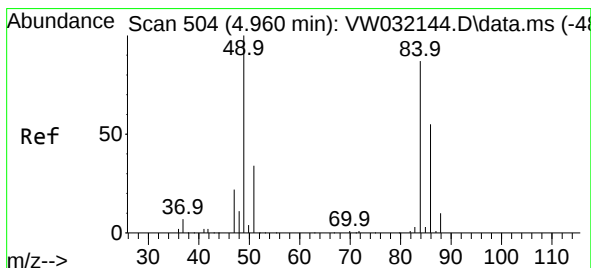
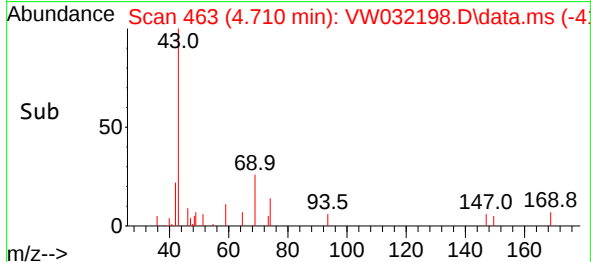
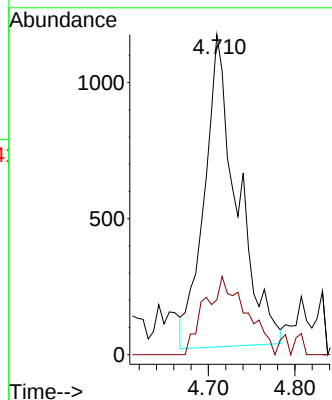
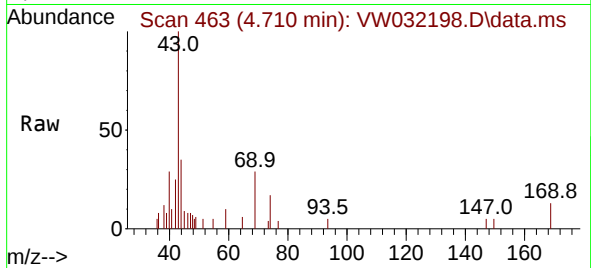




#18
Methyl Acetate
Concen: 2.229 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

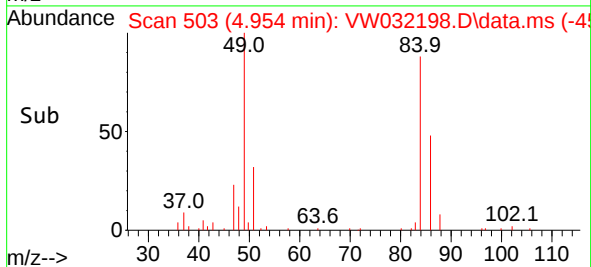
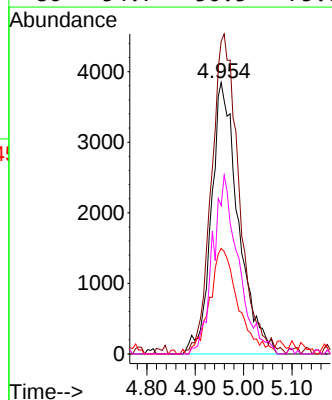
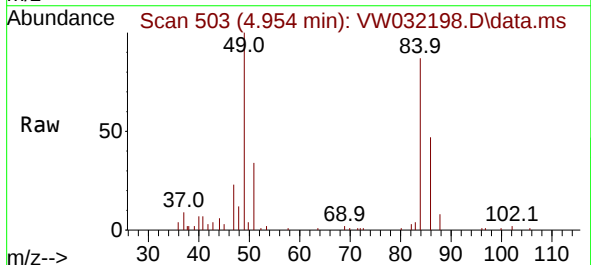
Instrument :
MSVOA_W
ClientSampleId :
VNJ-222

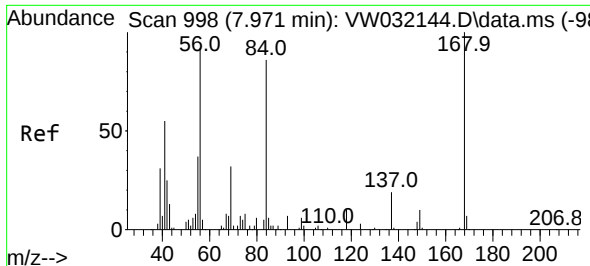
Tgt Ion: 43 Resp: 3008
Ion Ratio Lower Upper
43 100
74 31.5 20.2 30.4#



#20
Methylene Chloride
Concen: 5.137 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Tgt Ion: 84 Resp: 14934
Ion Ratio Lower Upper
84 100
49 115.2 92.2 138.4
51 38.9 31.0 46.6
86 54.7 50.5 75.7

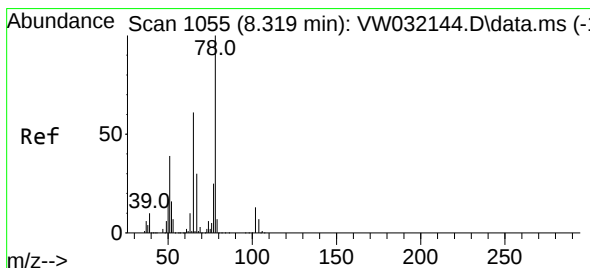
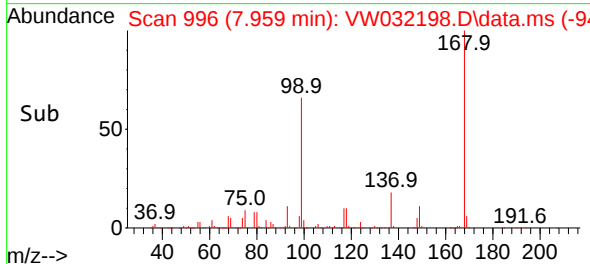
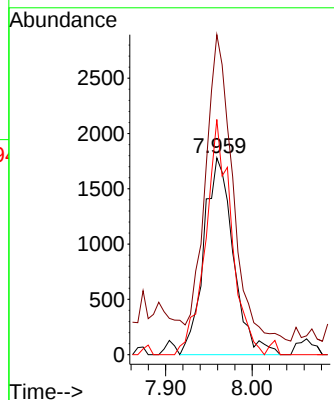
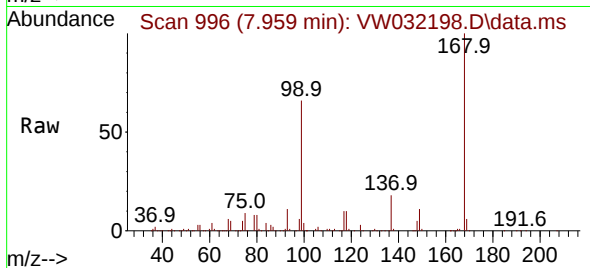




#31
Cyclohexane
Concen: 1.748 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

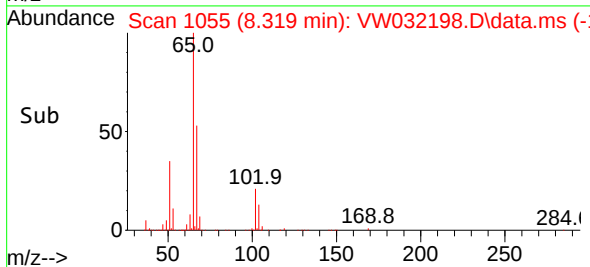
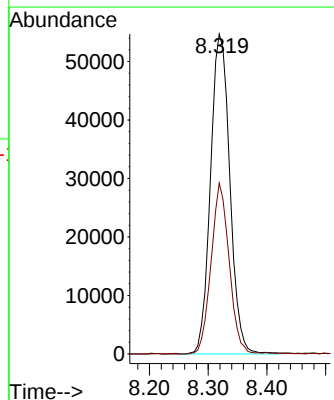
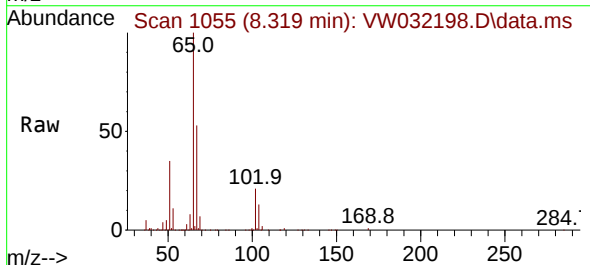
Instrument :
MSVOA_W
ClientSampleId :
VNJ-222

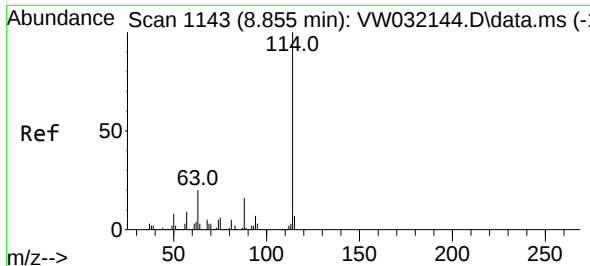
Tgt Ion: 56 Resp: 4196
Ion Ratio Lower Upper
56 100
69 153.0 27.7 41.5#
84 126.1 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 63.996 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Tgt Ion: 65 Resp: 125161
Ion Ratio Lower Upper
65 100
67 50.1 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: VW032198.D

Acq: 18 Sep 2025 14:42

Instrument :

MSVOA_W

ClientSampleId :

VNJ-222

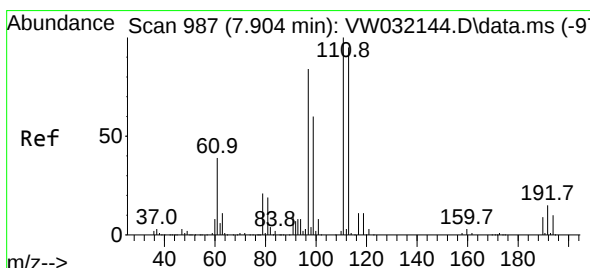
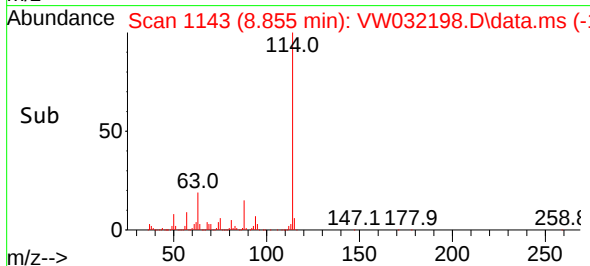
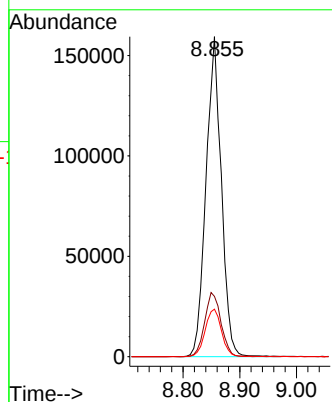
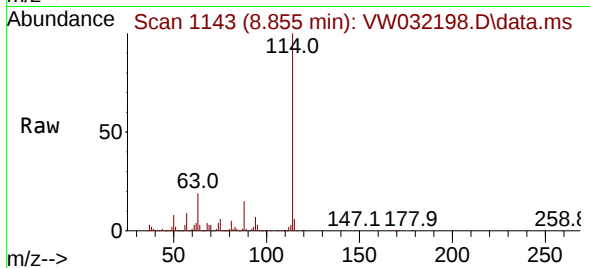
Tgt Ion:114 Resp: 298804

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

88 14.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 52.417 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032198.D

Acq: 18 Sep 2025 14:42

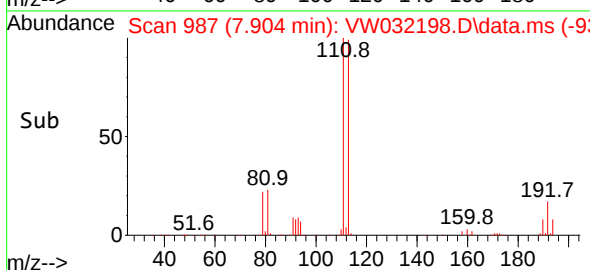
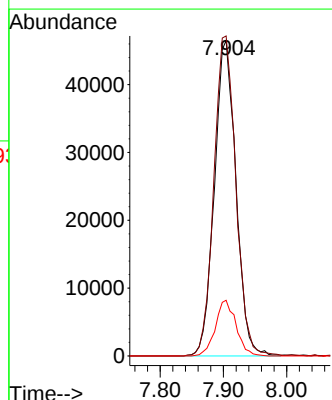
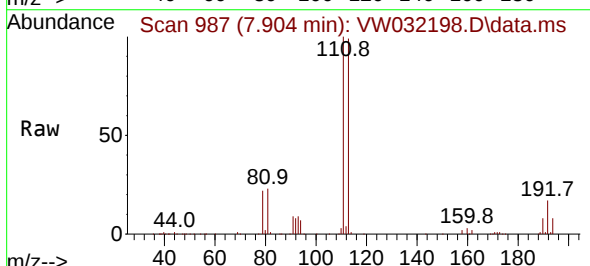
Tgt Ion:113 Resp: 109886

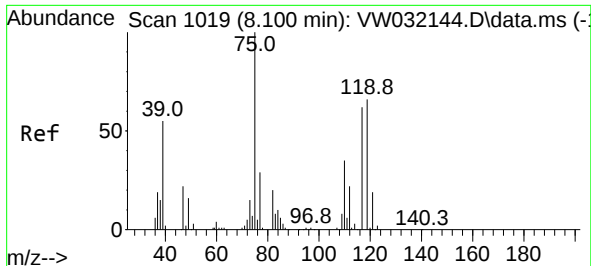
Ion Ratio Lower Upper

113 100

111 103.4 83.9 125.9

192 17.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.134 min

Lab File: VW032198.D

Acq: 18 Sep 2025 14:42

Instrument :

MSVOA_W

ClientSampleId :

VNJ-222

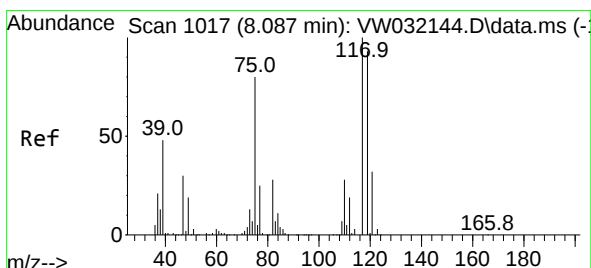
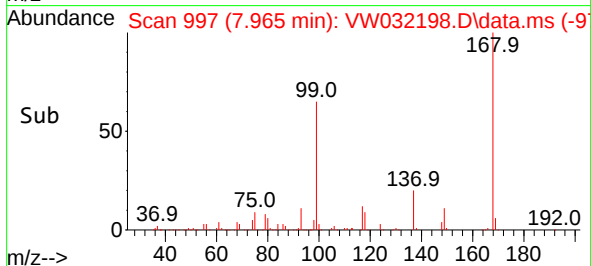
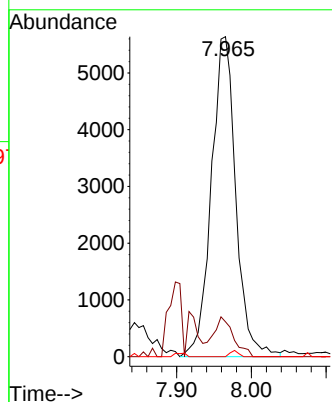
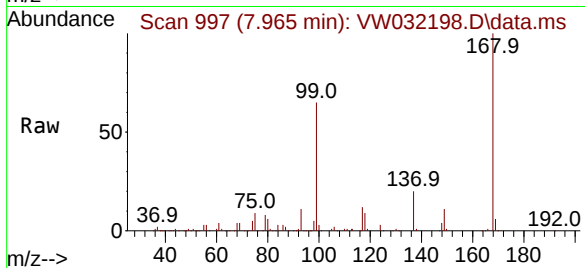
Tgt Ion: 75 Resp: 12834

Ion Ratio Lower Upper

75 100

110 10.4 17.5 52.5#

77 0.6 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.295 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032198.D

Acq: 18 Sep 2025 14:42

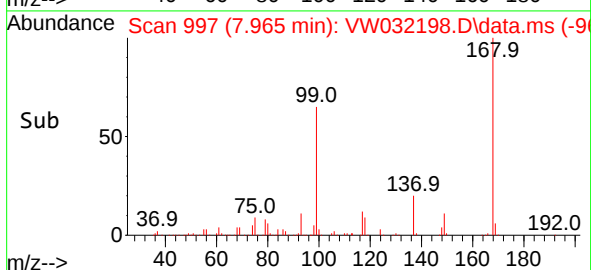
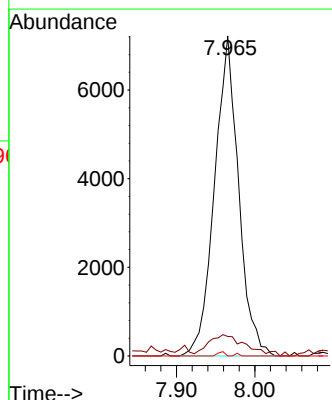
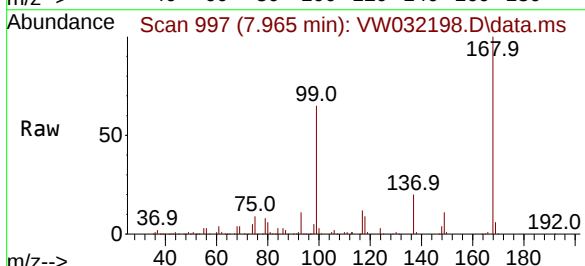
Tgt Ion: 117 Resp: 15428

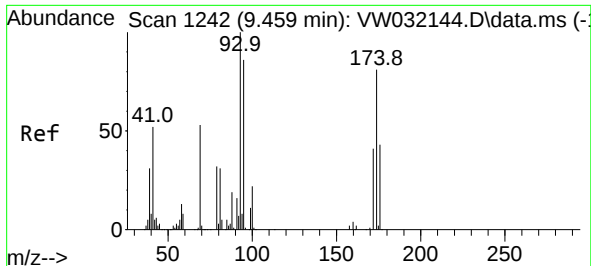
Ion Ratio Lower Upper

117 100

119 6.1 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.107 ug/l

RT: 9.428 min Scan# 11

Delta R.T. -0.031 min

Lab File: VW032198.D

Acq: 18 Sep 2025 14:42

Instrument :

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VNJ-222

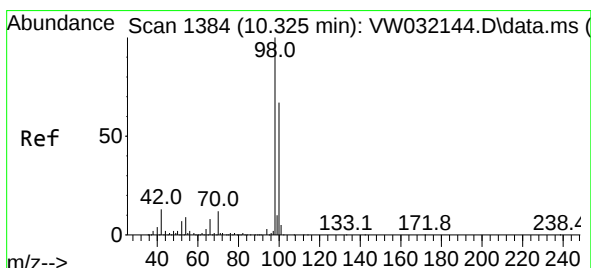
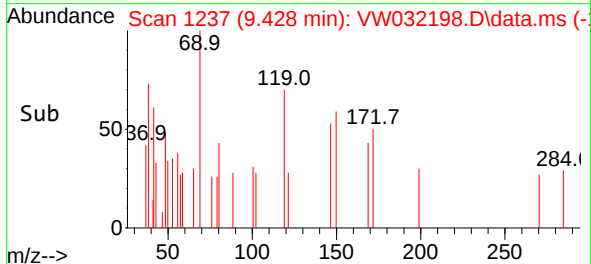
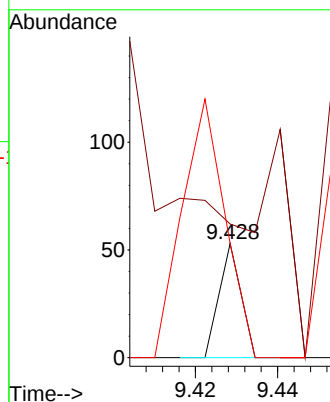
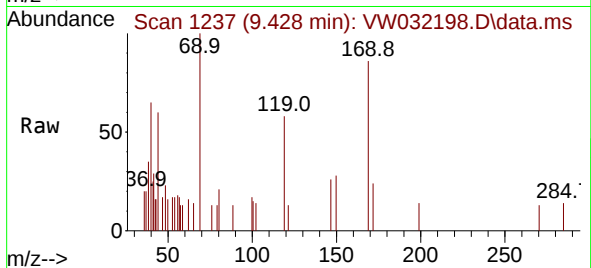
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 457.9 55.4 83.0#



#50

Toluene-d8

Concen: 47.517 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032198.D

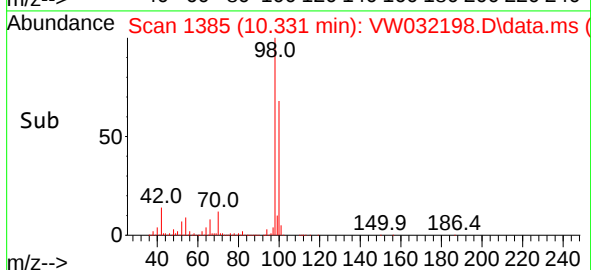
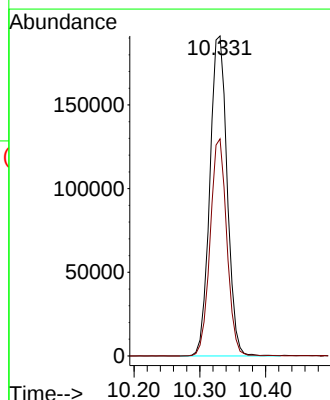
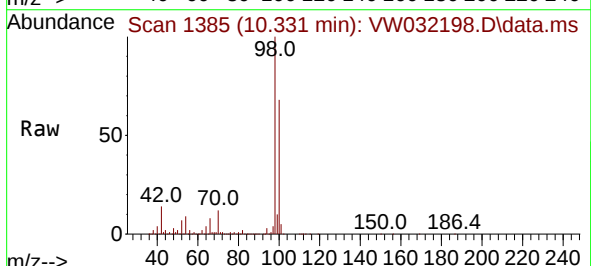
Acq: 18 Sep 2025 14:42

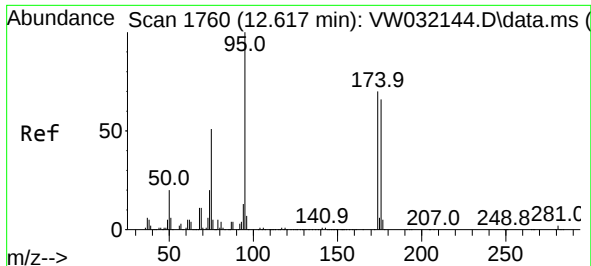
Tgt Ion: 98 Resp: 349693

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.2

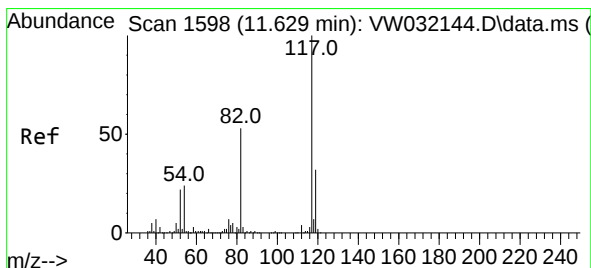
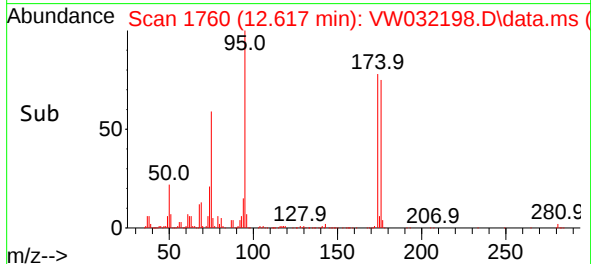
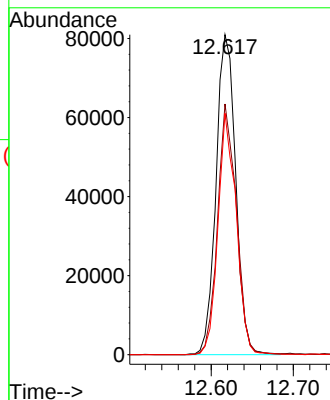
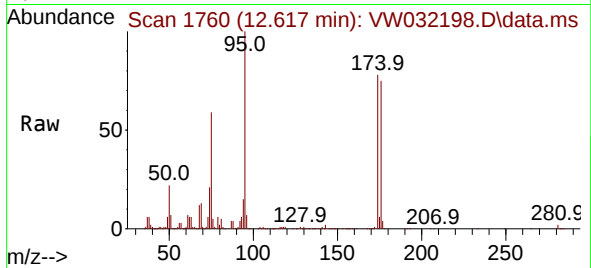




#62
4-Bromofluorobenzene
Concen: 49.456 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

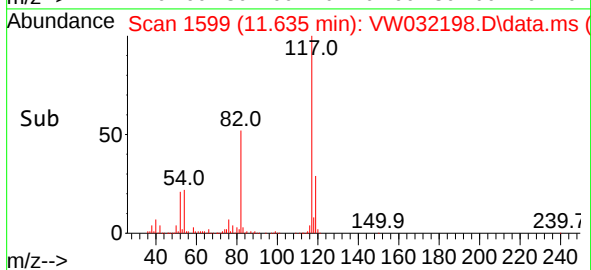
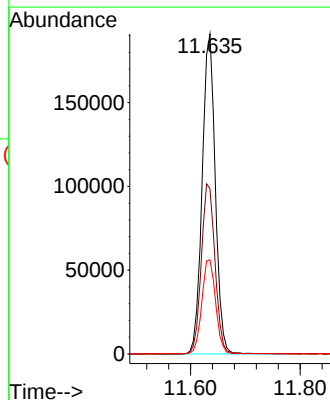
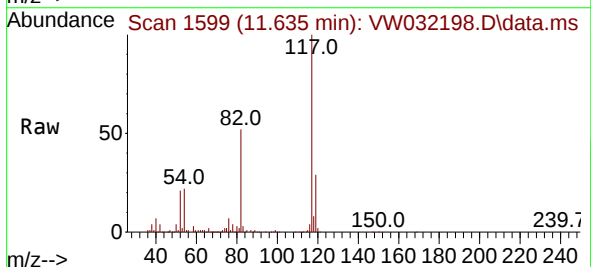
Instrument :
MSVOA_W
ClientSampleId :
VNJ-222

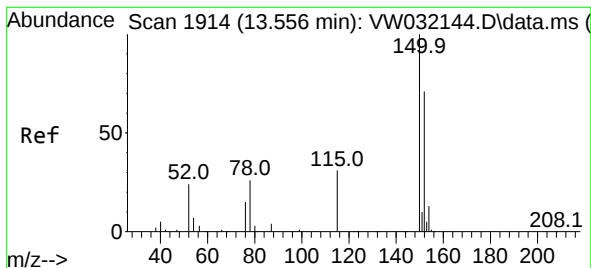
Tgt Ion: 95 Resp: 134587
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.6
176 70.2 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Tgt Ion:117 Resp: 317044
Ion Ratio Lower Upper
117 100
82 51.7 42.7 64.1
119 29.3 25.2 37.8

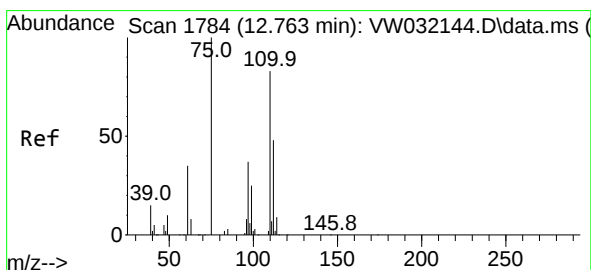
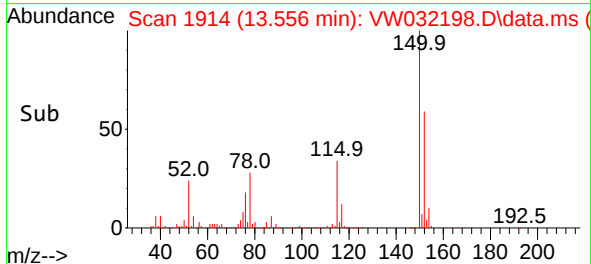
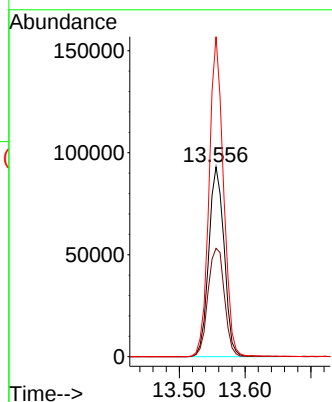
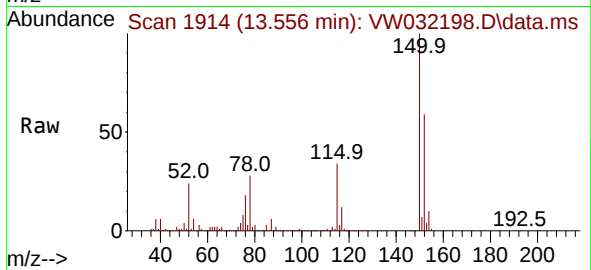




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032198.D
 Acq: 18 Sep 2025 14:42

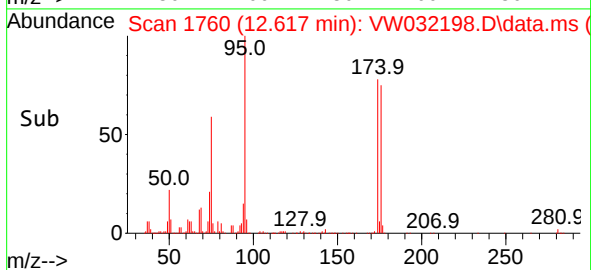
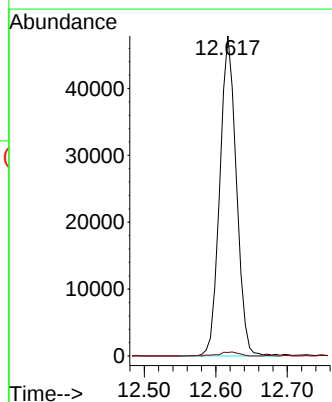
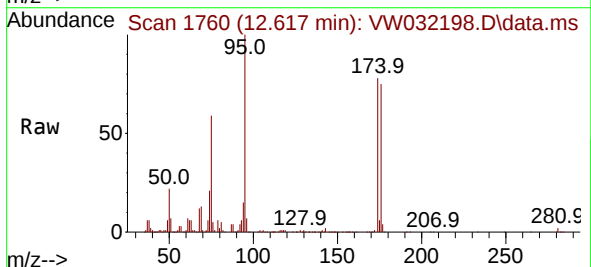
Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-222

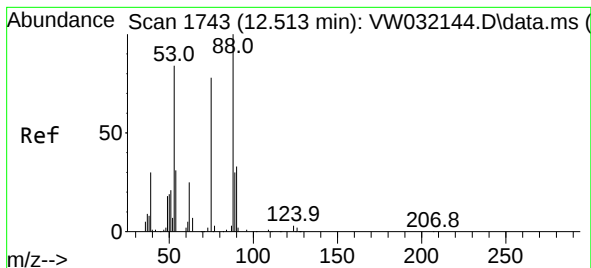
Tgt Ion:152 Resp: 151374
 Ion Ratio Lower Upper
 152 100
 115 61.3 31.8 95.4
 150 158.1 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 40.695 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032198.D
 Acq: 18 Sep 2025 14:42

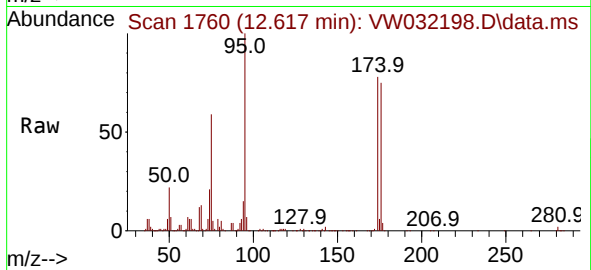
Tgt Ion: 75 Resp: 77175
 Ion Ratio Lower Upper
 75 100
 77 1.5 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 109.570 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032198.D
Acq: 18 Sep 2025 14:42

Instrument :
MSVOA_W
ClientSampleId :
VNJ-222



Tgt Ion: 75 Resp: 77175
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.1 39.4 59.2#

