

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032171.D
 Acq On : 15 Sep 2025 13:55
 Operator : SY/MD
 Sample : Q3104-01
 Misc : 5.20g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:35:49 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)

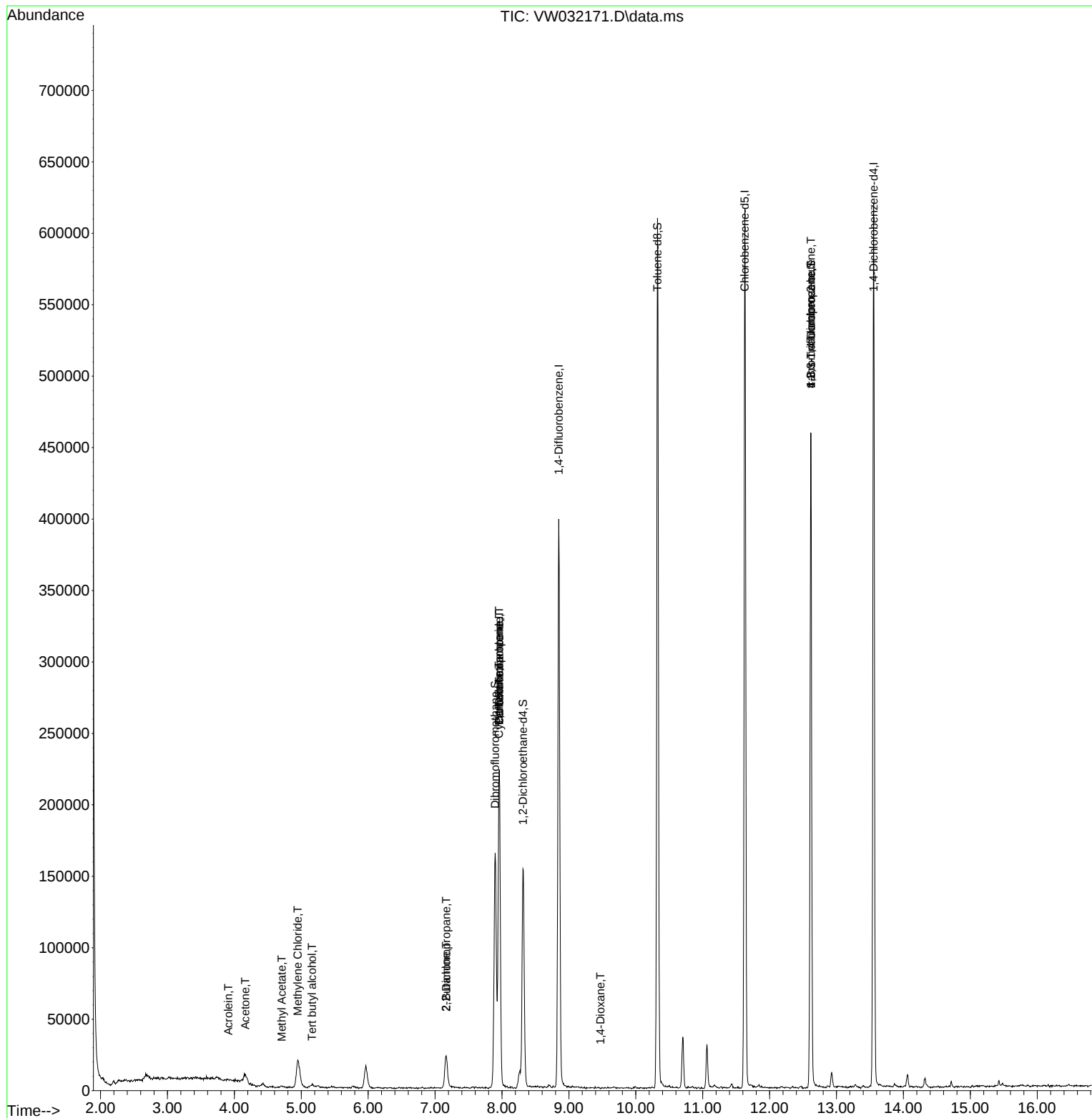
Internal Standards						
1) Pentafluorobenzene	7.959	168	163408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	326555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	326282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	152676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	127761	54.670	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 109.340%	
35) Dibromofluoromethane	7.898	113	118940	51.914	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 103.820%	
50) Toluene-d8	10.325	98	386215	48.020	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 96.040%	
62) 4-Bromofluorobenzene	12.617	95	147324	49.536	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 99.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.161	59	2081	14.558	ug/l #	83
13) Acrolein	3.911	56	316	1.438	ug/l #	58
16) Acetone	4.161	43	10165	20.084	ug/l	89
18) Methyl Acetate	4.710	43	2026	1.256	ug/l #	71
20) Methylene Chloride	4.948	84	17452	4.939	ug/l	95
25) 2-Butanone	7.167	43	1952	2.722	ug/l #	89
26) 2,2-Dichloropropane	7.167	77	2032	1.098	ug/l #	54
31) Cyclohexane	7.953	56	4419	1.540	ug/l #	13
36) 1,1-Dichloropropene	7.959	75	13835	4.657	ug/l #	52
38) Carbon Tetrachloride	7.959	117	17483	5.490	ug/l #	17
49) 1,4-Dioxane	9.471	88	54	2.879	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	77701	40.623	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	77701	109.376	ug/l #	5

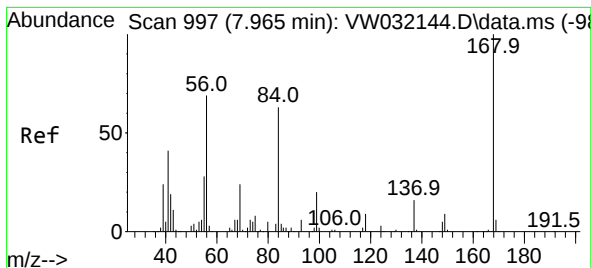
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
Data File : VW032171.D
Acq On : 15 Sep 2025 13:55
Operator : SY/MD
Sample : Q3104-01
Misc : 5.20g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 16 06:35:49 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

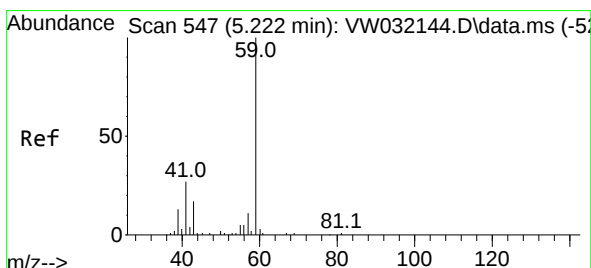
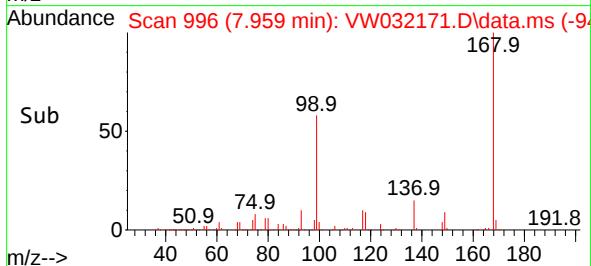
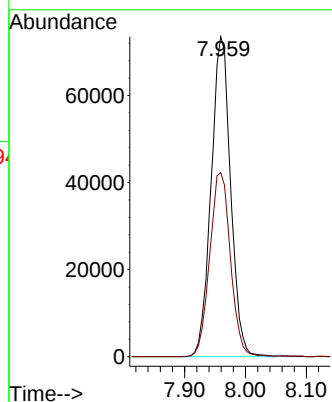
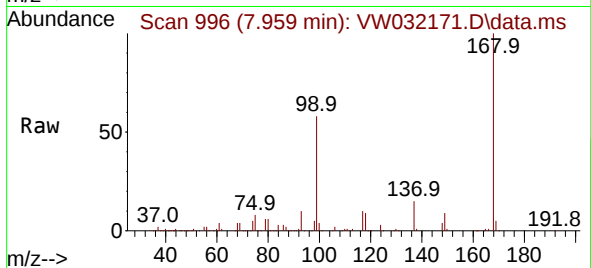




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

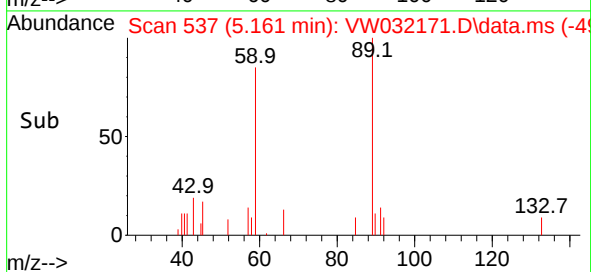
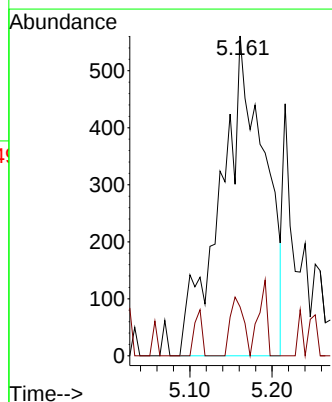
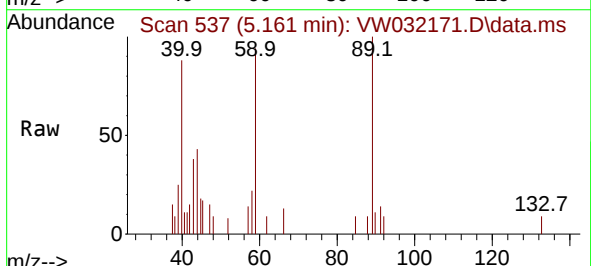
Instrument :
MSVOA_W
ClientSampleId :

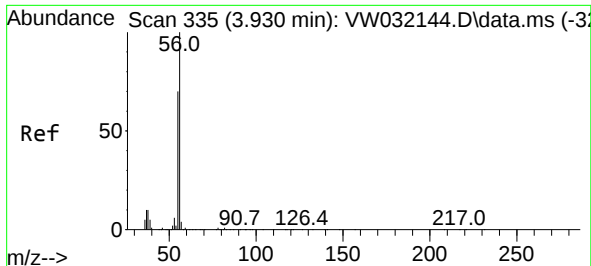
Tgt Ion:168 Resp: 163408
Ion Ratio Lower Upper
168 100
99 57.5 49.3 73.9



#11
Tert butyl alcohol
Concen: 14.558 ug/l
RT: 5.161 min Scan# 537
Delta R.T. -0.061 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

Tgt Ion: 59 Resp: 2081
Ion Ratio Lower Upper
59 100
57 5.5 9.8 14.6#

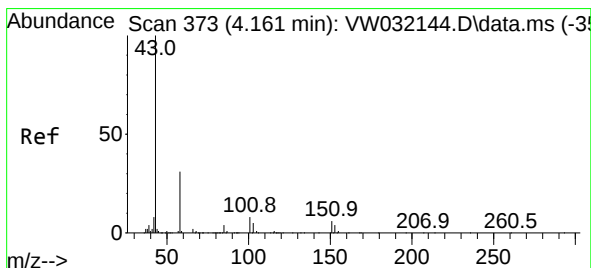
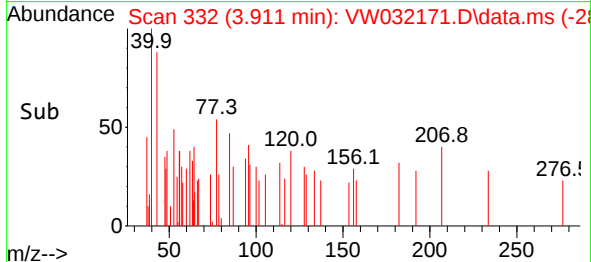
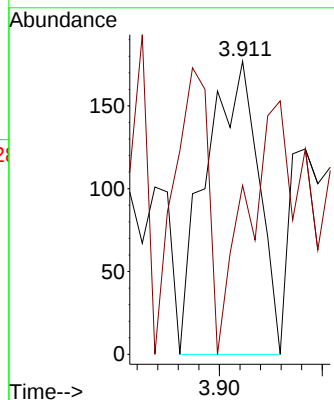
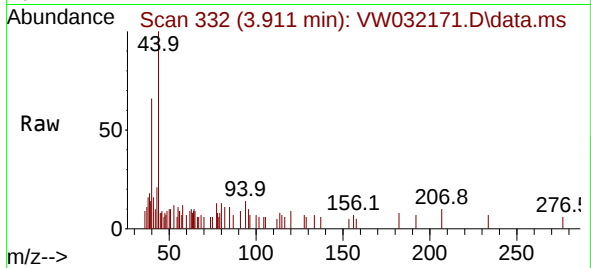




#13
Acrolein
Concen: 1.438 ug/l
RT: 3.911 min Scan# 316
Delta R.T. -0.018 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

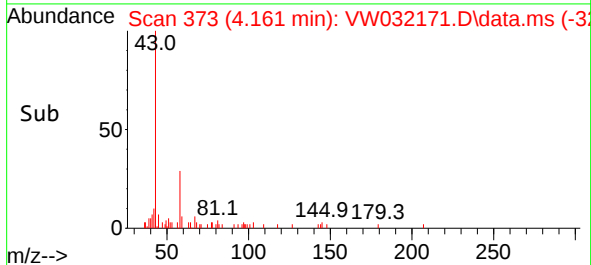
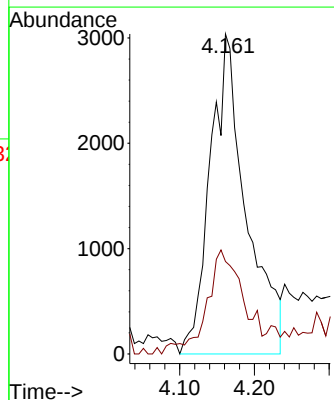
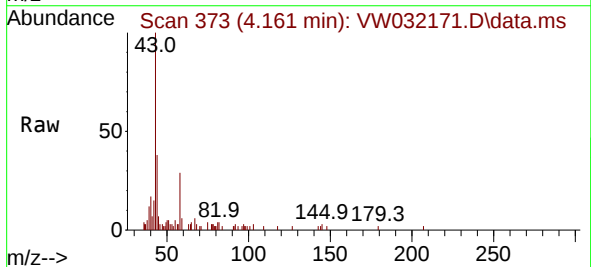
Instrument :
MSVOA_W
ClientSampleId :

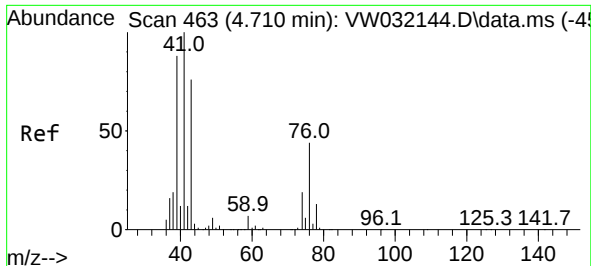
Tgt Ion: 56 Resp: 316
Ion Ratio Lower Upper
56 100
55 35.8 56.4 84.6#



#16
Acetone
Concen: 20.084 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

Tgt Ion: 43 Resp: 10165
Ion Ratio Lower Upper
43 100
58 25.6 25.3 37.9

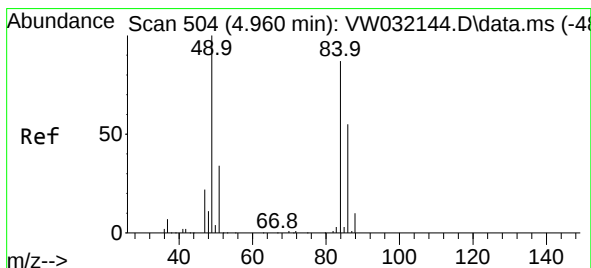
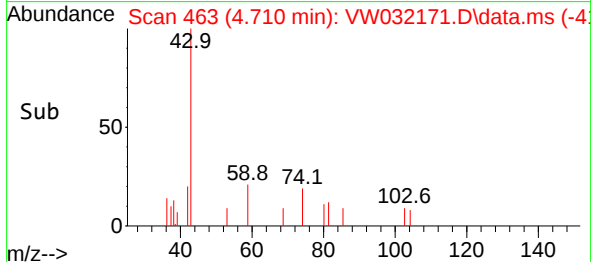
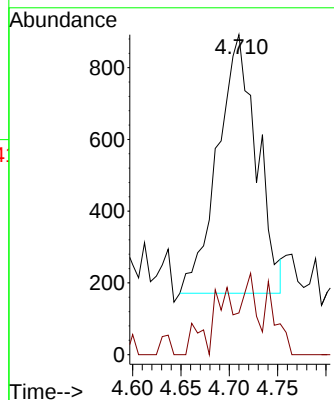
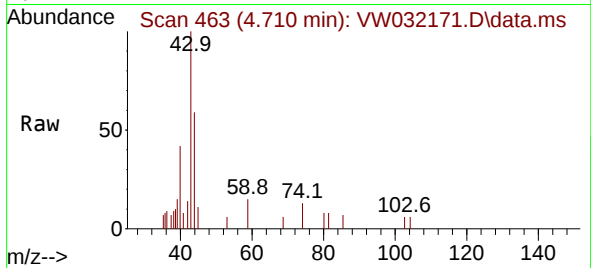




#18
Methyl Acetate
Concen: 1.256 ug/l
RT: 4.710 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

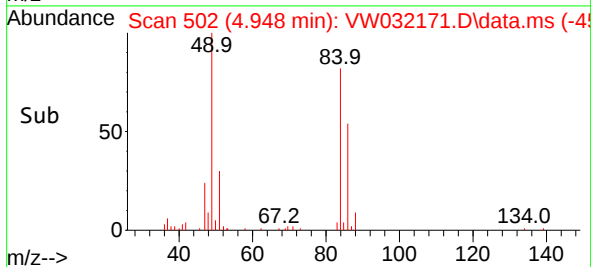
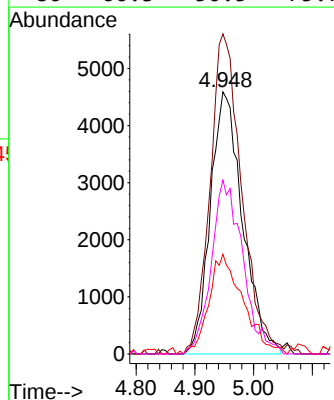
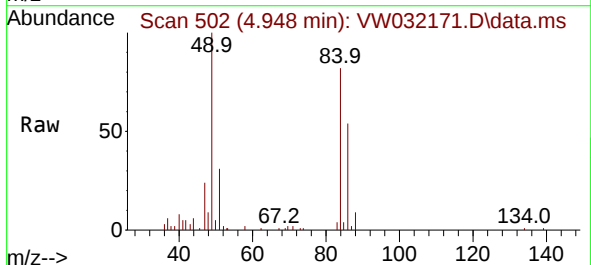
Instrument :
MSVOA_W
ClientSampleId :

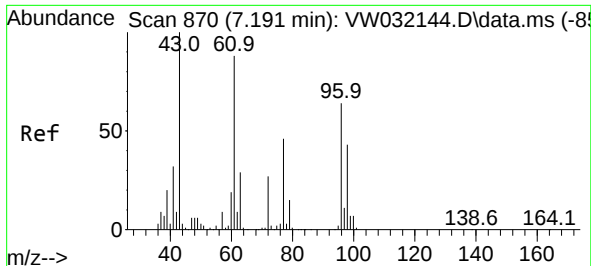
Tgt Ion: 43 Resp: 2026
Ion Ratio Lower Upper
43 100
74 10.9 20.2 30.4#



#20
Methylene Chloride
Concen: 4.939 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

Tgt Ion: 84 Resp: 17452
Ion Ratio Lower Upper
84 100
49 122.1 92.2 138.4
51 36.9 31.0 46.6
86 66.3 50.5 75.7

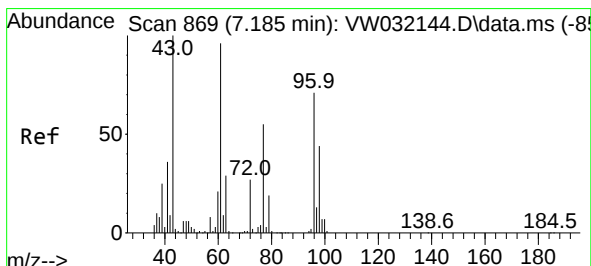
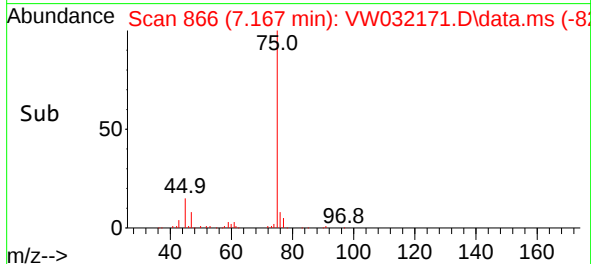
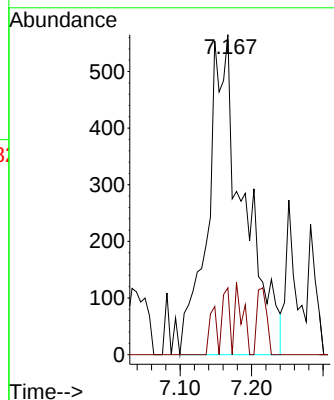
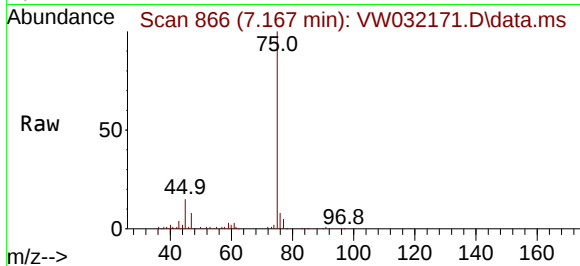




#25
2-Butanone
Concen: 2.722 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

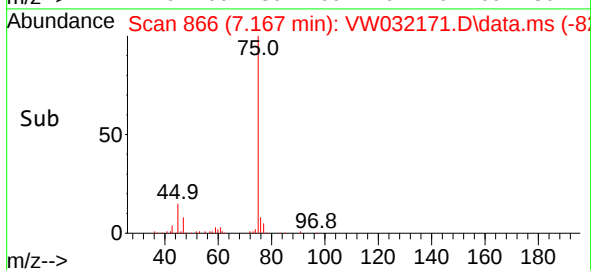
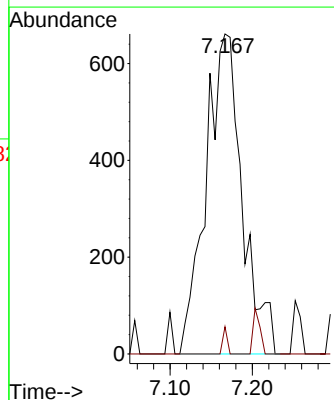
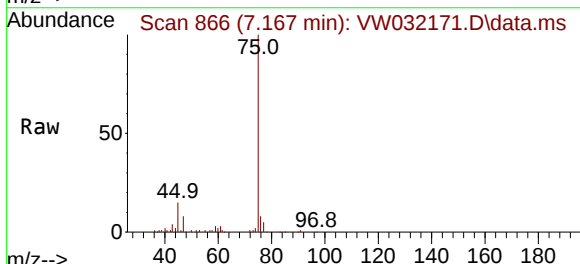
Instrument :
MSVOA_W
ClientSampleId :

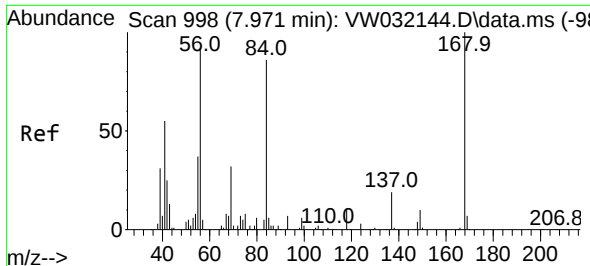
Tgt Ion: 43 Resp: 1952
Ion Ratio Lower Upper
43 100
72 20.9 21.4 32.2#



#26
2,2-Dichloropropane
Concen: 1.098 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

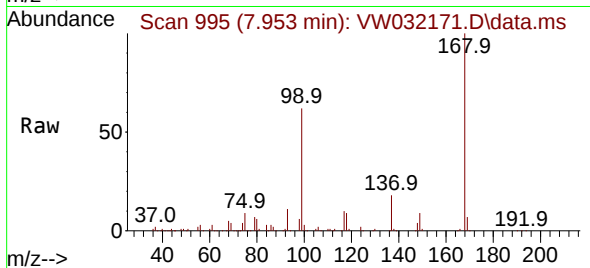
Tgt Ion: 77 Resp: 2032
Ion Ratio Lower Upper
77 100
97 1.0 11.9 35.5#



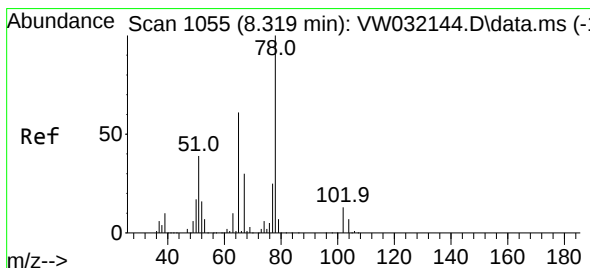
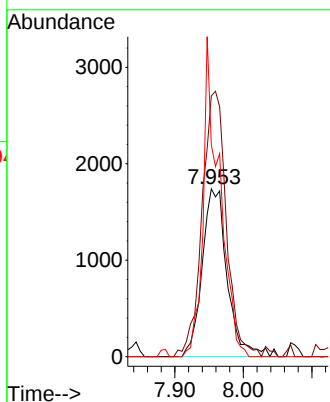
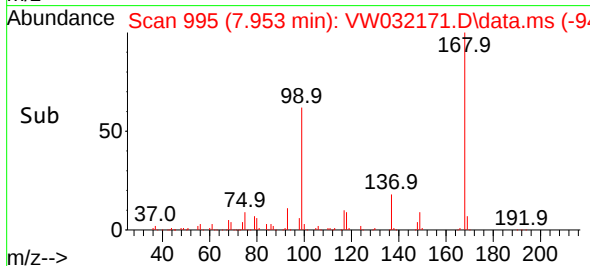


#31
Cyclohexane
Concen: 1.540 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

Instrument :
MSVOA_W
ClientSampleId :

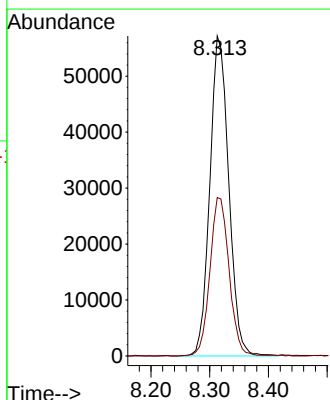
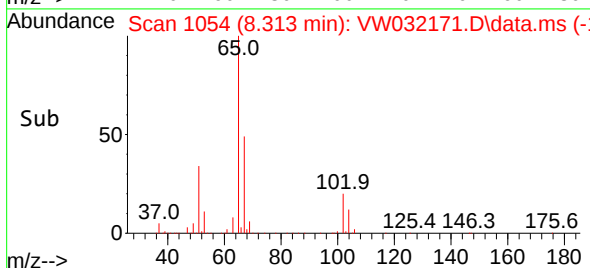
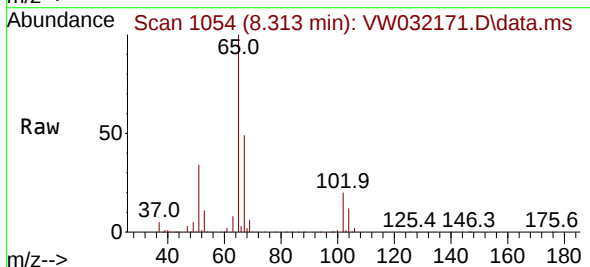


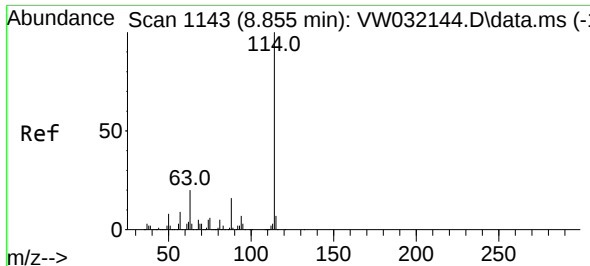
Tgt Ion: 56 Resp: 4419
Ion Ratio Lower Upper
56 100
69 155.4 27.7 41.5#
84 133.2 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 54.670 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

Tgt Ion: 65 Resp: 127761
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032171.D

Acq: 15 Sep 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

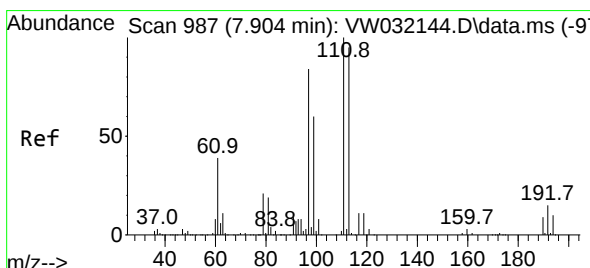
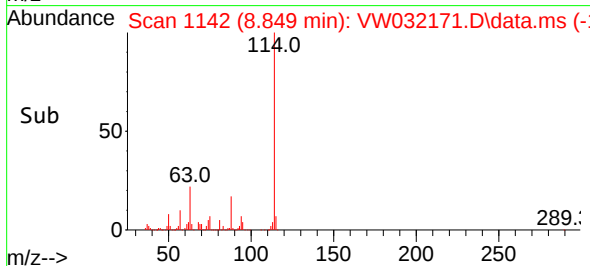
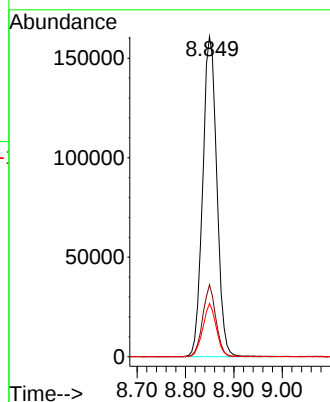
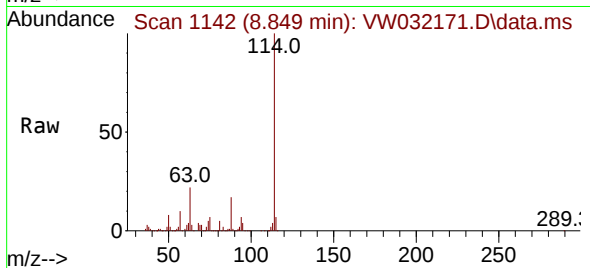
Tgt Ion:114 Resp: 326555

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.4

88 16.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.914 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032171.D

Acq: 15 Sep 2025 13:55

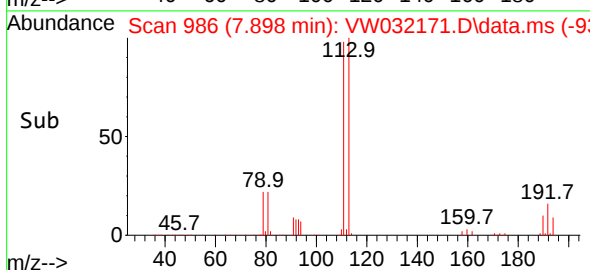
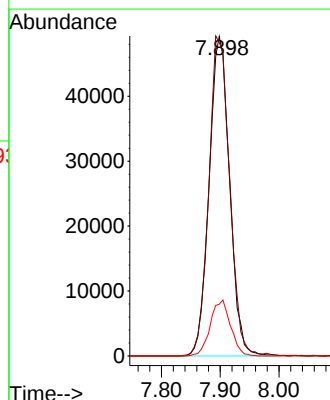
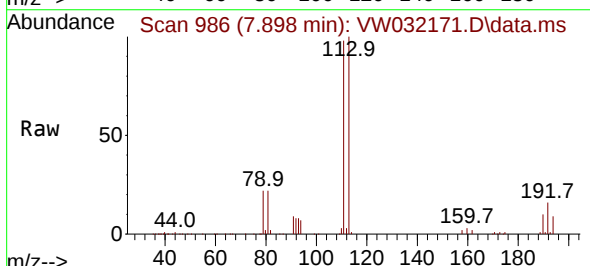
Tgt Ion:113 Resp: 118940

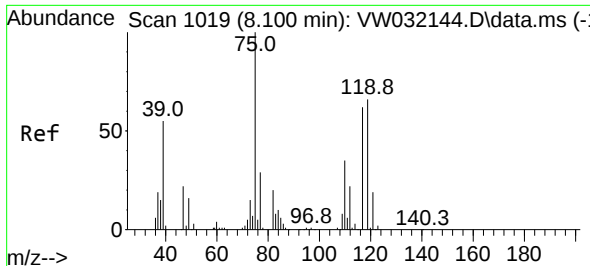
Ion Ratio Lower Upper

113 100

111 101.7 83.9 125.9

192 17.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

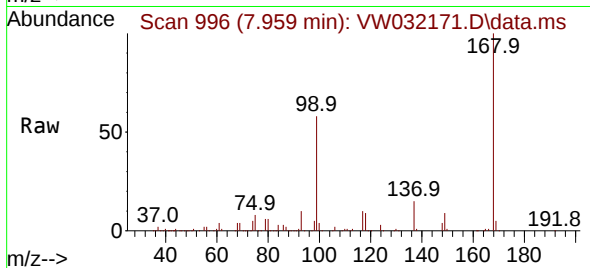
Lab File: VW032171.D

Acq: 15 Sep 2025 13:55

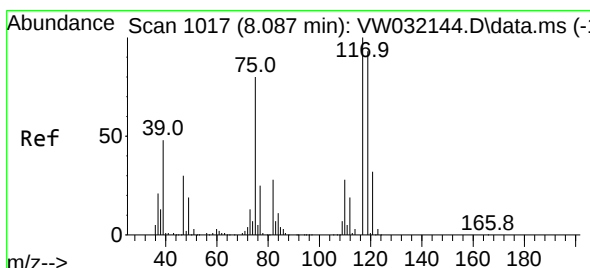
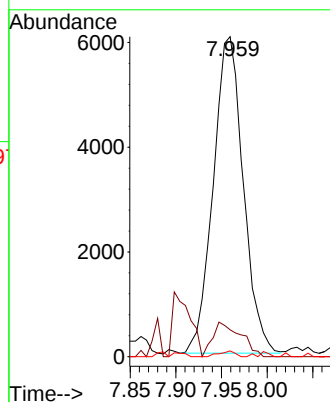
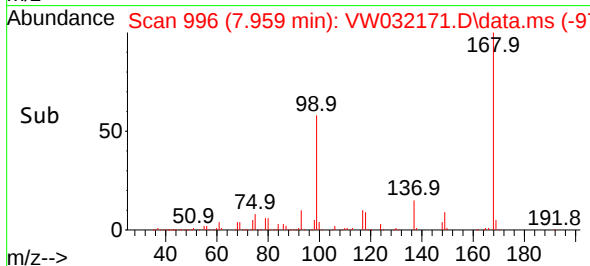
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	13835
Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.5	52.5#
77	0.9	24.1	36.1#



#38

Carbon Tetrachloride

Concen: 5.490 ug/l

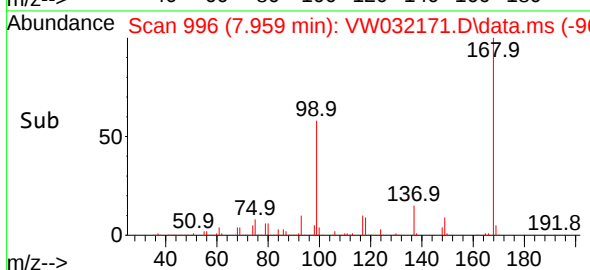
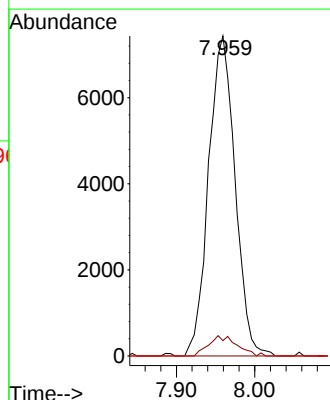
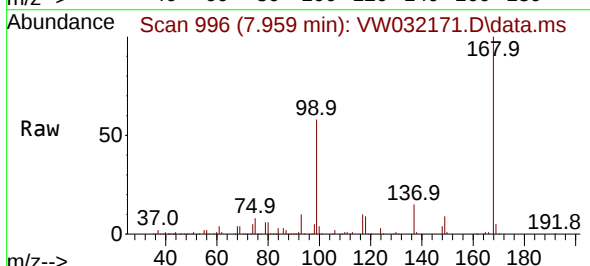
RT: 7.959 min Scan# 996

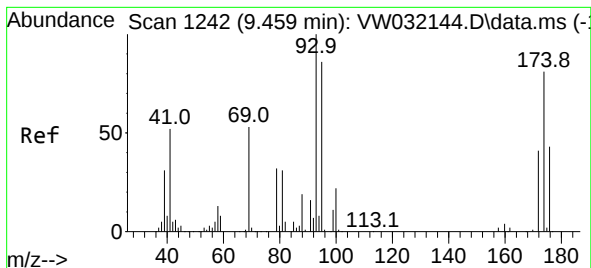
Delta R.T. -0.128 min

Lab File: VW032171.D

Acq: 15 Sep 2025 13:55

Tgt Ion:	117	Resp:	17483
Ion	Ratio	Lower	Upper
117	100		
119	4.8	74.2	111.2#
121	0.0	25.6	38.4#





#49

1,4-Dioxane

Concen: 2.879 ug/l

RT: 9.471 min Scan# 11

Delta R.T. 0.012 min

Lab File: VW032171.D

Acq: 15 Sep 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :

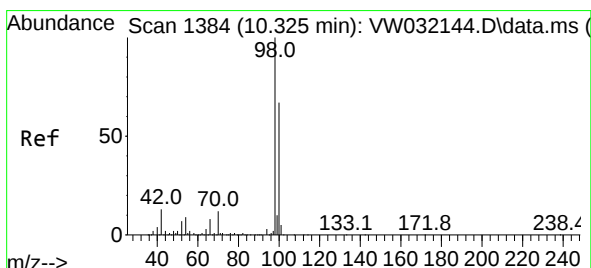
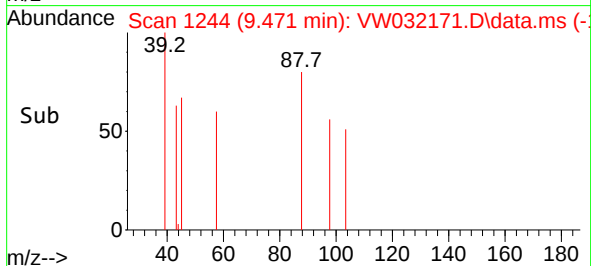
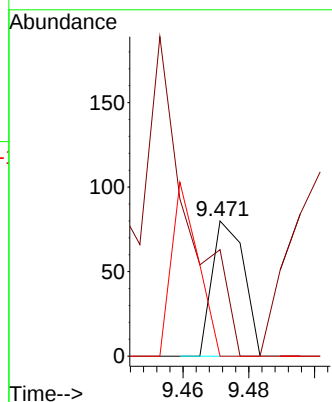
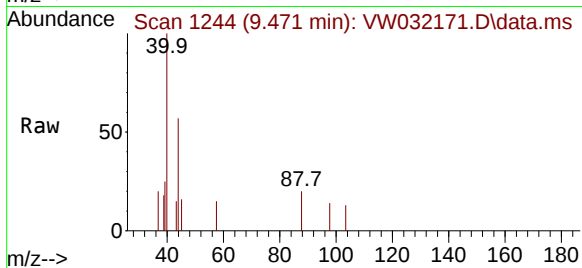
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 490.7 18.0 27.0#

58 105.6 55.4 83.0#



#50

Toluene-d8

Concen: 48.020 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032171.D

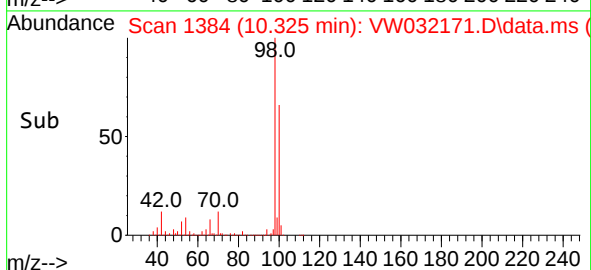
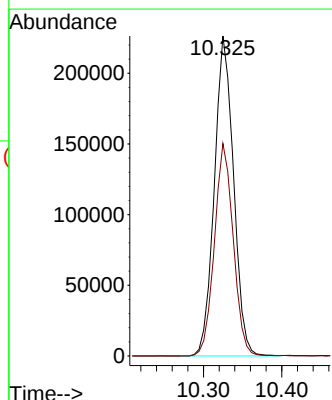
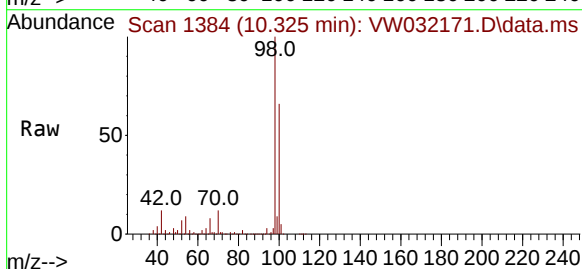
Acq: 15 Sep 2025 13:55

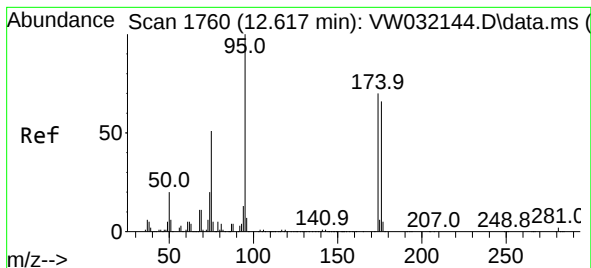
Tgt Ion: 98 Resp: 386215

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.2

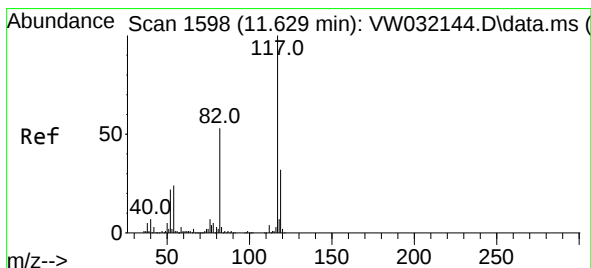
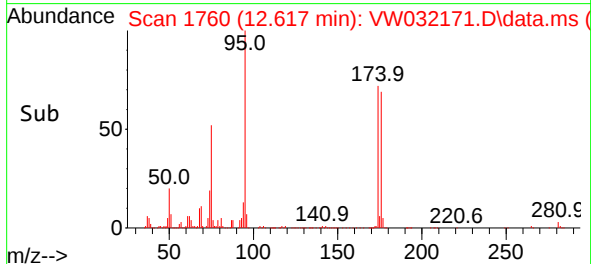
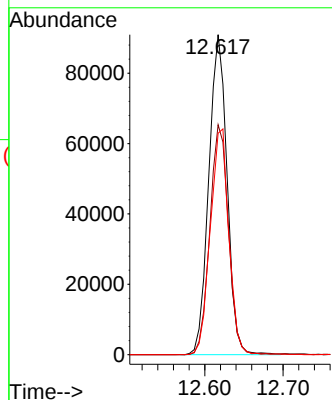
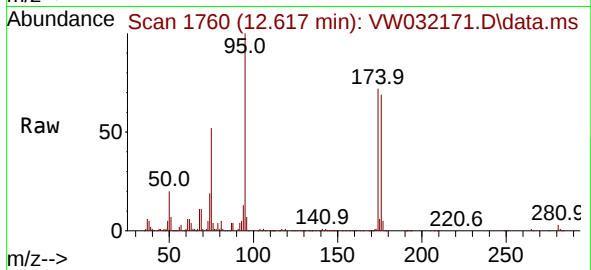




#62
4-Bromofluorobenzene
Concen: 49.536 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

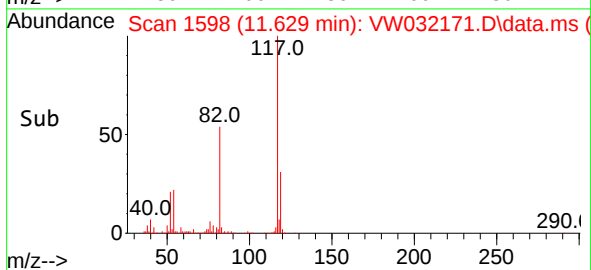
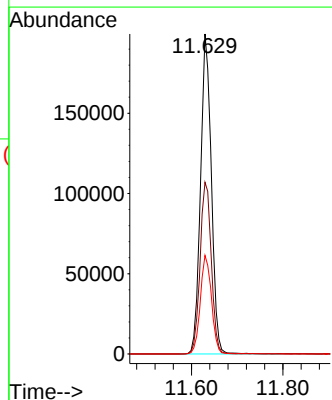
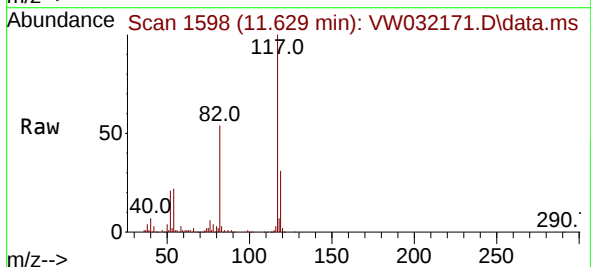
Instrument :
MSVOA_W
ClientSampleId :

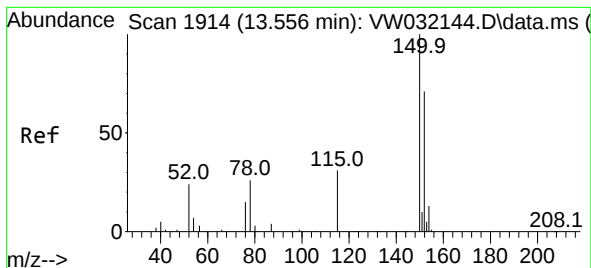
Tgt Ion: 95 Resp: 147324
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.6
176 71.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032171.D
Acq: 15 Sep 2025 13:55

Tgt Ion: 117 Resp: 326282
Ion Ratio Lower Upper
117 100
82 53.7 42.7 64.1
119 30.8 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

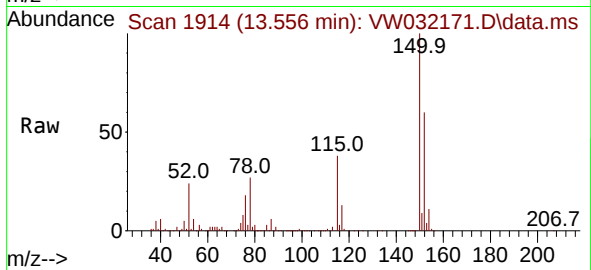
Lab File: VW032171.D

Acq: 15 Sep 2025 13:55

Instrument :

MSVOA_W

ClientSampleId :



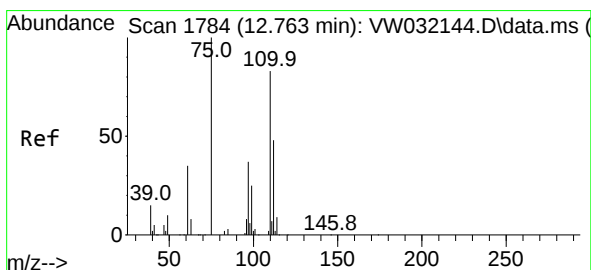
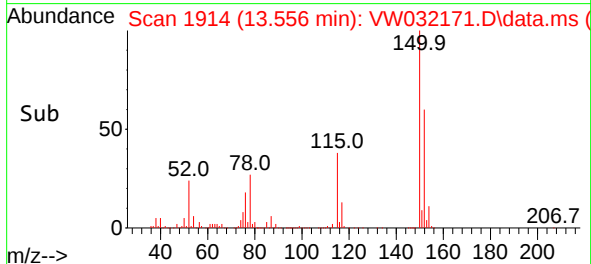
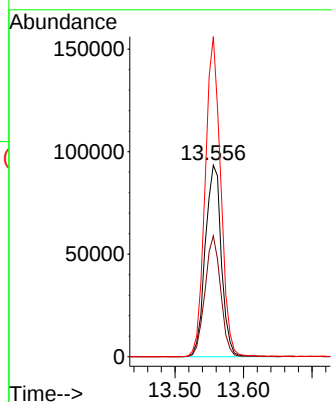
Tgt Ion:152 Resp: 152676

Ion Ratio Lower Upper

152 100

115 61.7 31.8 95.4

150 161.0 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 40.623 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032171.D

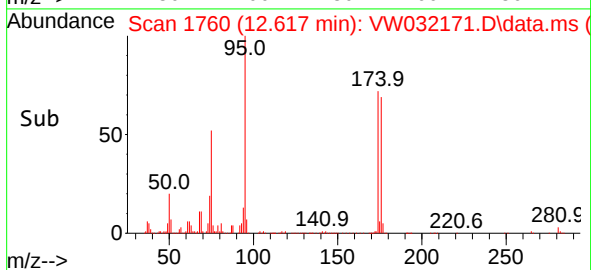
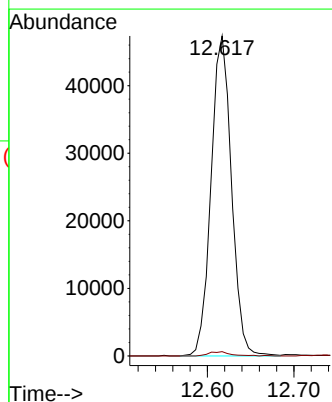
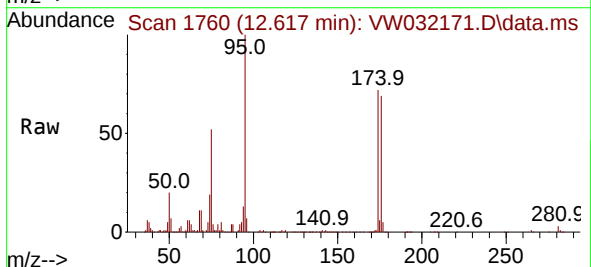
Acq: 15 Sep 2025 13:55

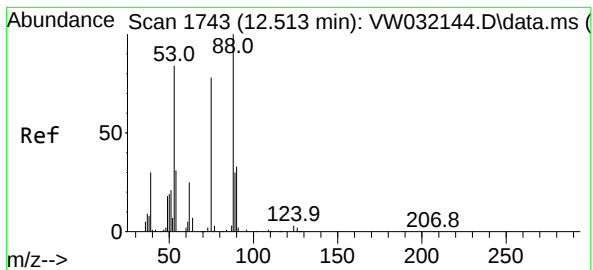
Tgt Ion: 75 Resp: 77701

Ion Ratio Lower Upper

75 100

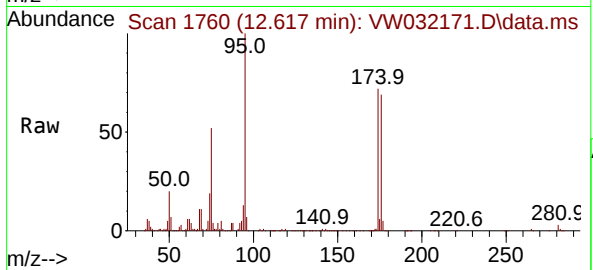
77 1.4 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.376 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032171.D
 Acq: 15 Sep 2025 13:55

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:	75	Resp:	77701
Ion	Ratio	Lower	Upper
75	100		
53	0.3	91.0	136.6#
89	0.0	39.4	59.2#

