

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032331.D
 Acq On : 02 Oct 2025 14:41
 Operator : SY/MD
 Sample : Q3262-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 22:10:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

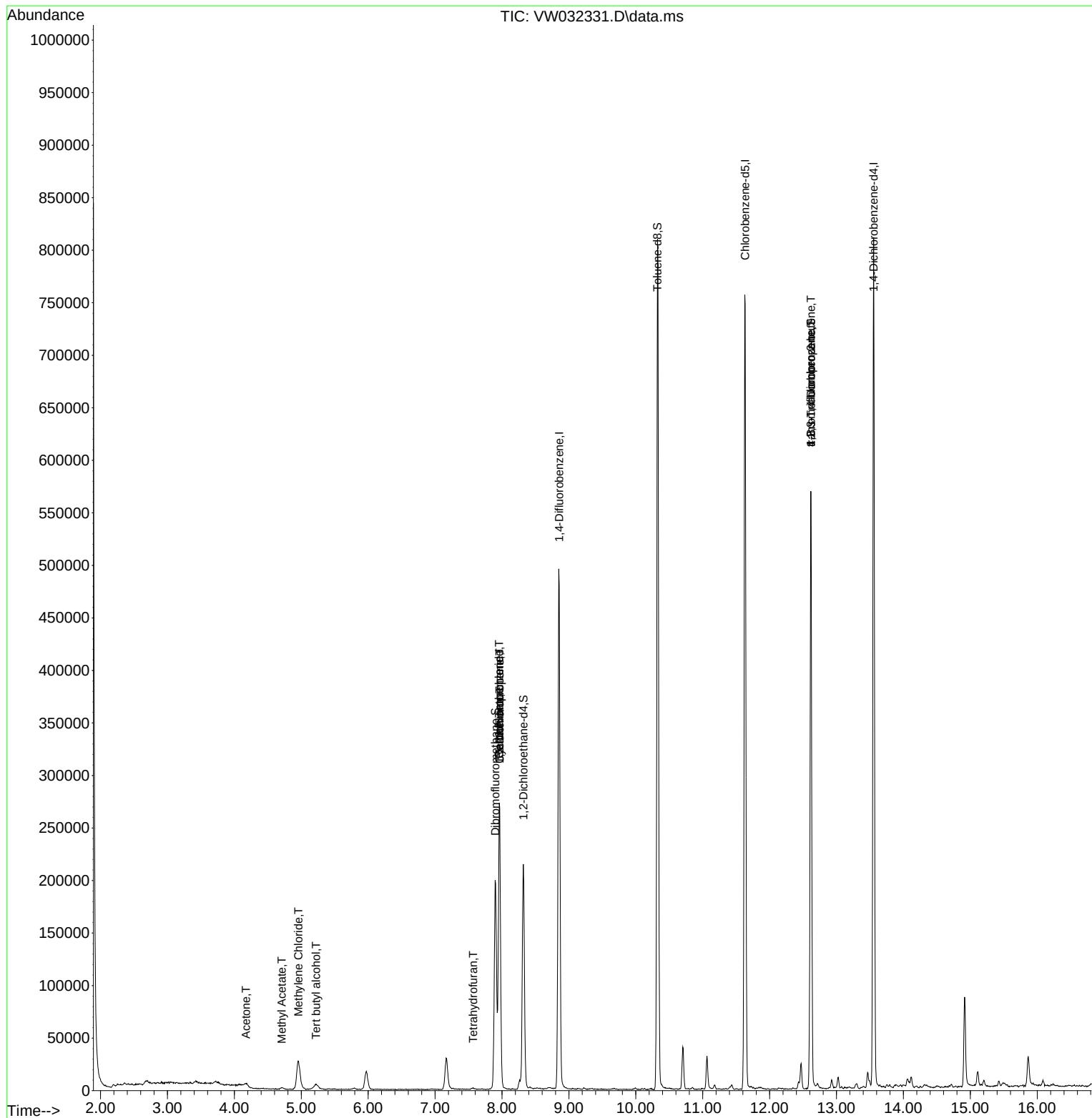
Internal Standards						
1) Pentafluorobenzene	7.959	168	182137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	415669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	420484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	206810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	176059	66.273	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 132.540%			
35) Dibromofluoromethane	7.898	113	146337	54.362	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.720%			
50) Toluene-d8	10.325	98	531943	53.541	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.080%			
62) 4-Bromofluorobenzene	12.617	95	200253	53.327	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 106.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.222	59	8169	40.625	ug/l #	89
16) Acetone	4.173	43	3325	4.520	ug/l	95
18) Methyl Acetate	4.710	43	3153	1.496	ug/l #	90
20) Methylene Chloride	4.960	84	23595	4.864	ug/l	97
29) Tetrahydrofuran	7.569	42	909	1.443	ug/l #	60
31) Cyclohexane	7.965	56	4937	1.320	ug/l #	26
36) 1,1-Dichloropropene	7.965	75	17842	4.696	ug/l #	49
38) Carbon Tetrachloride	7.959	117	21699	6.070	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	102520	37.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	102520	95.429	ug/l #	5

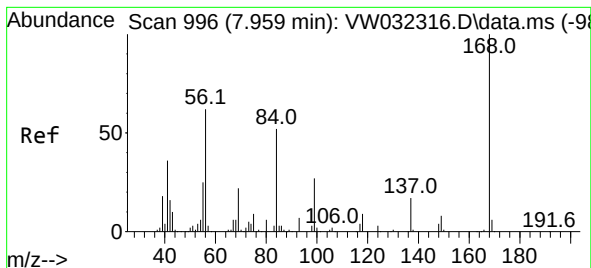
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
Data File : VW032331.D
Acq On : 02 Oct 2025 14:41
Operator : SY/MD
Sample : Q3262-02
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 02 22:10:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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: VW032331.D

Acq: 02 Oct 2025 14:41

Instrument :

MSVOA_W

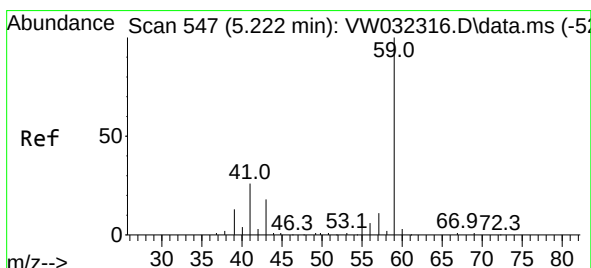
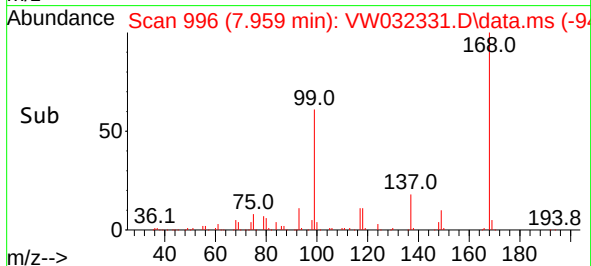
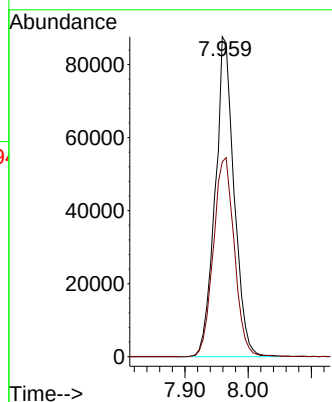
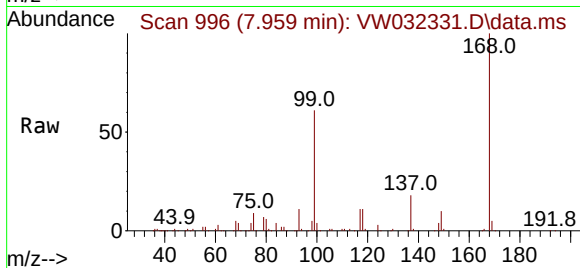
ClientSampleId :

Tgt Ion:168 Resp: 182137

Ion Ratio Lower Upper

168 100

99 60.9 49.3 73.9



#11

Tert butyl alcohol

Concen: 40.625 ug/l

RT: 5.222 min Scan# 547

Delta R.T. -0.000 min

Lab File: VW032331.D

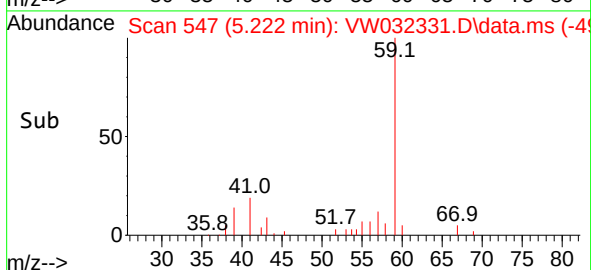
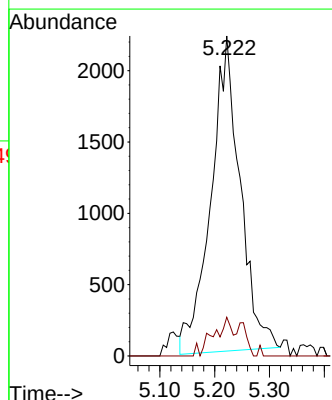
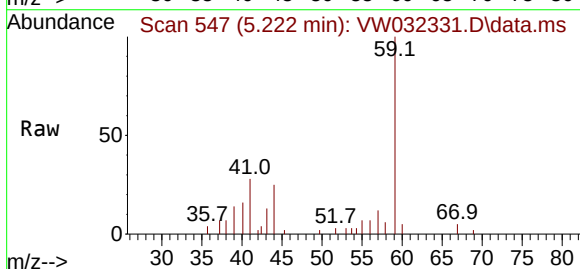
Acq: 02 Oct 2025 14:41

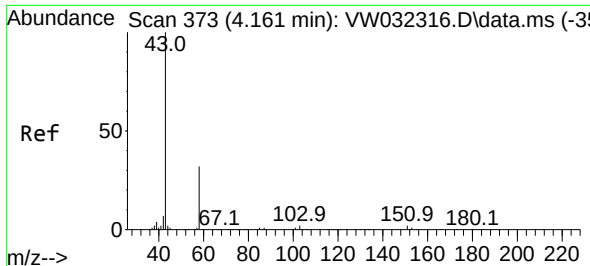
Tgt Ion: 59 Resp: 8169

Ion Ratio Lower Upper

59 100

57 7.7 9.8 14.6#

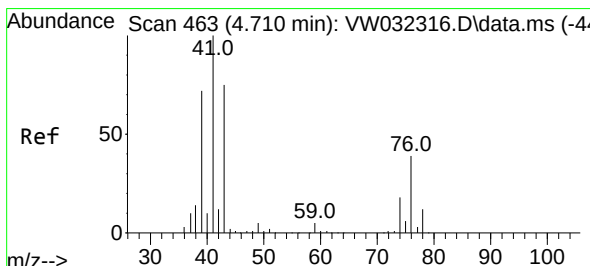
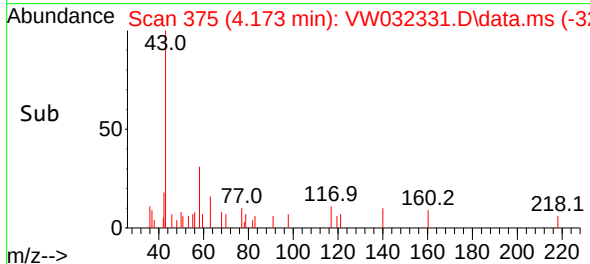
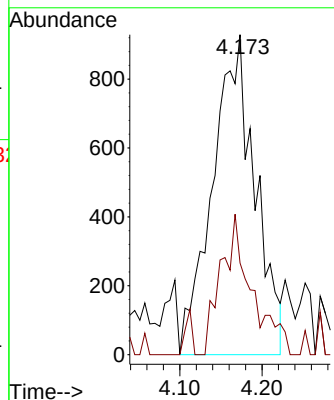
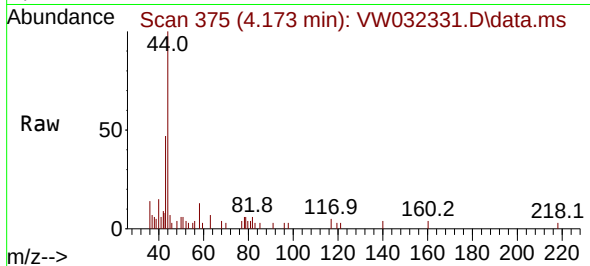




#16
Acetone
Concen: 4.520 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

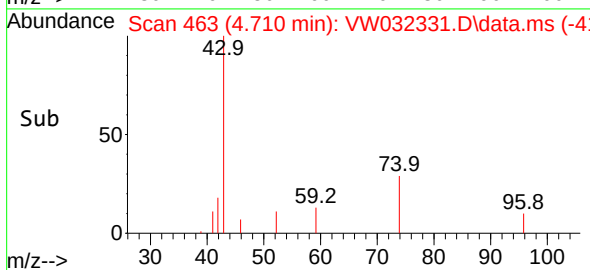
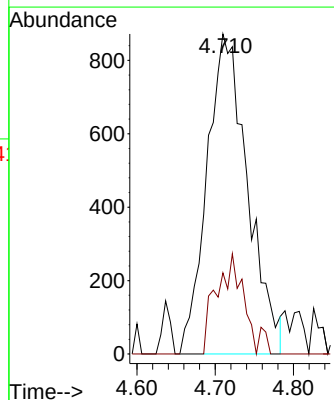
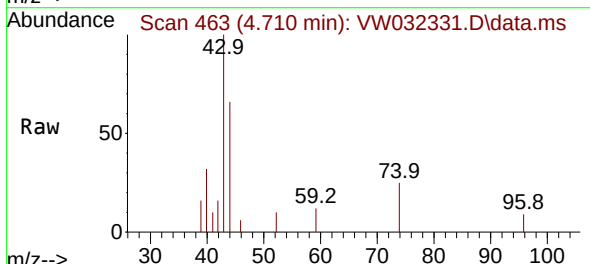
Instrument :
MSVOA_W
ClientSampleId :

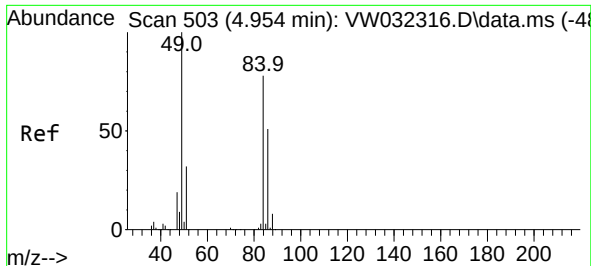
Tgt Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
58 28.6 25.3 37.9



#18
Methyl Acetate
Concen: 1.496 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

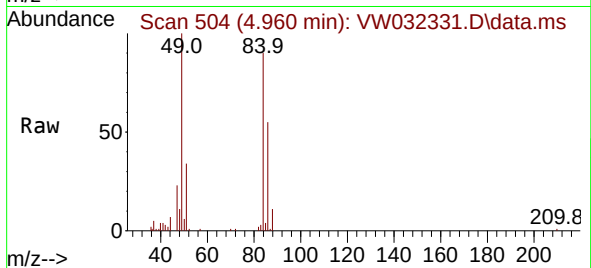
Tgt Ion: 43 Resp: 3153
Ion Ratio Lower Upper
43 100
74 20.1 20.2 30.4#



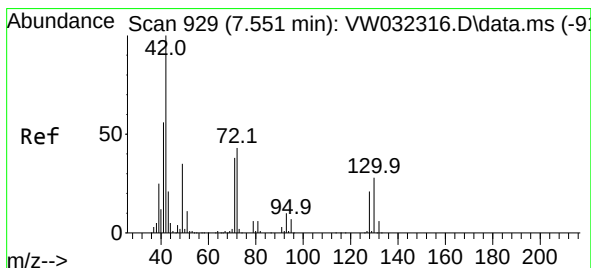
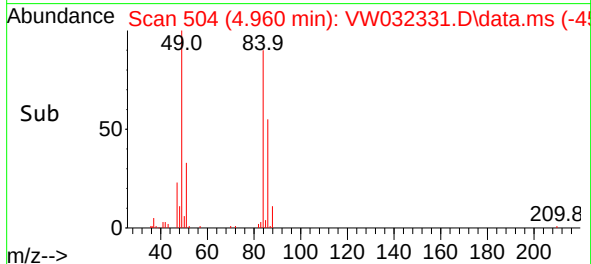
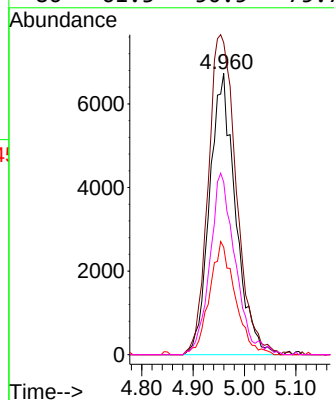


#20
Methylene Chloride
Concen: 4.864 ug/l
RT: 4.960 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Instrument :
MSVOA_W
ClientSampleId :

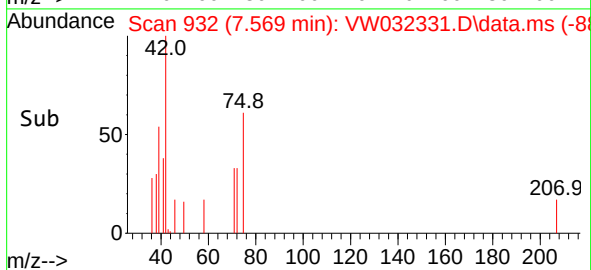
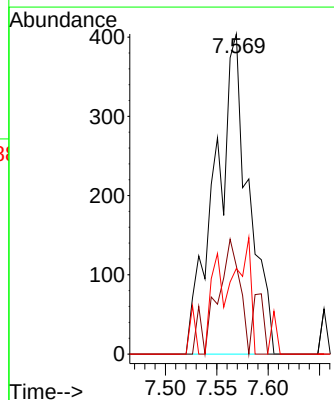
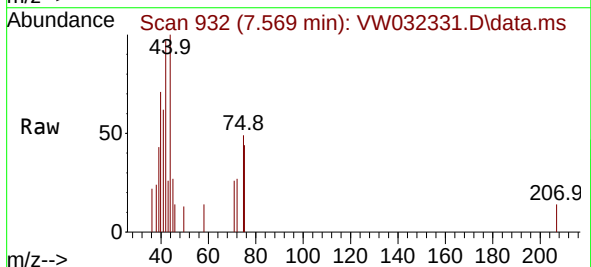


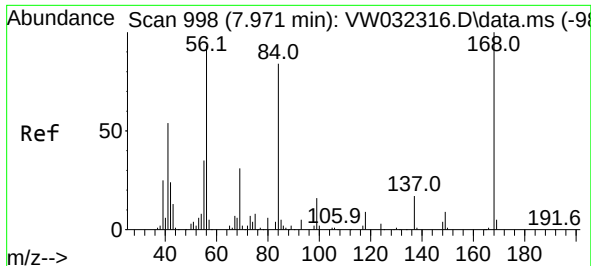
Tgt Ion:	84	Resp:	23595
Ion	Ratio	Lower	Upper
84	100		
49	111.0	92.2	138.4
51	38.2	31.0	46.6
86	61.3	50.5	75.7



#29
Tetrahydrofuran
Concen: 1.443 ug/l
RT: 7.569 min Scan# 932
Delta R.T. 0.018 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

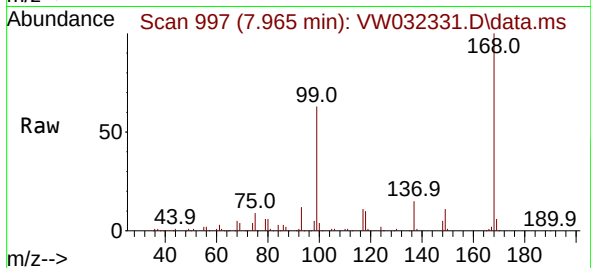
Tgt Ion:	42	Resp:	909
Ion	Ratio	Lower	Upper
42	100		
72	25.0	37.4	56.2#
71	14.2	36.0	54.0#



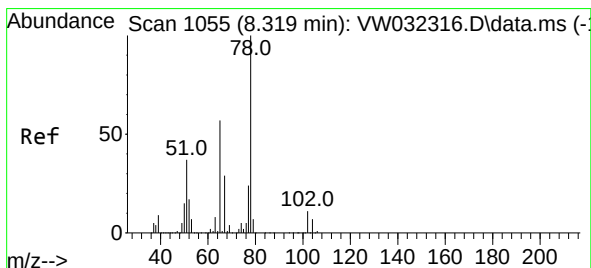
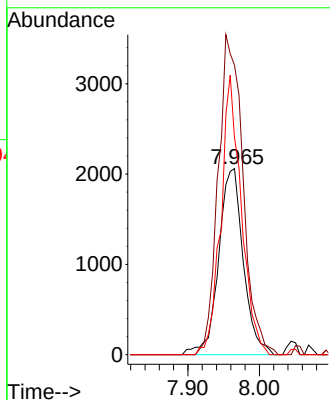
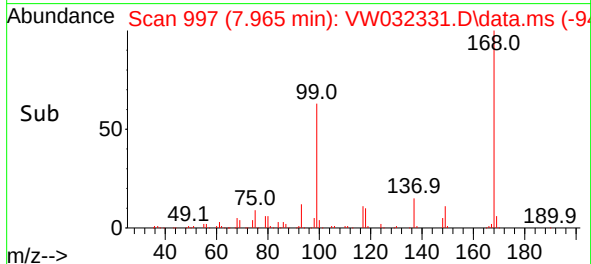


#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Instrument :
MSVOA_W
ClientSampleId :

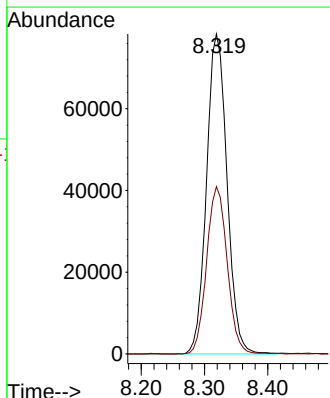
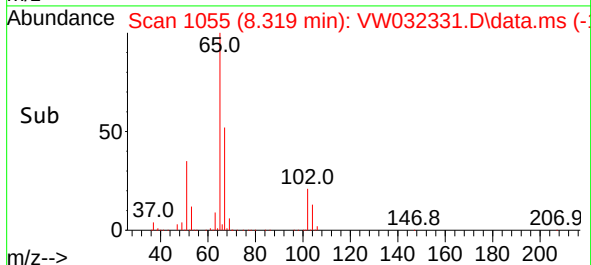
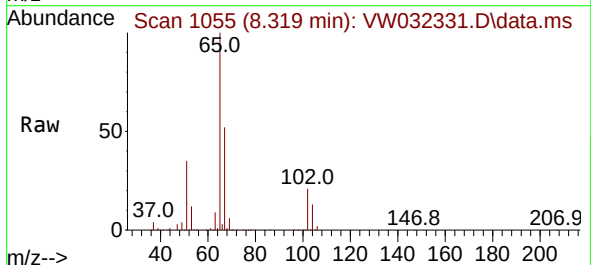


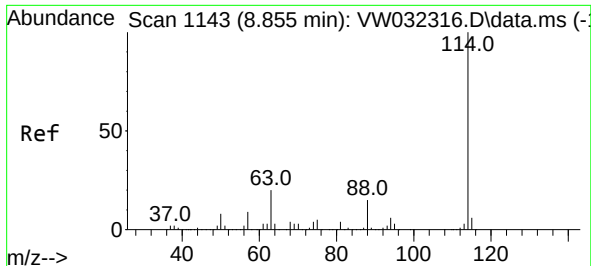
Tgt Ion: 56 Resp: 4937
Ion Ratio Lower Upper
56 100
69 155.6 27.7 41.5#
84 116.4 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 66.273 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

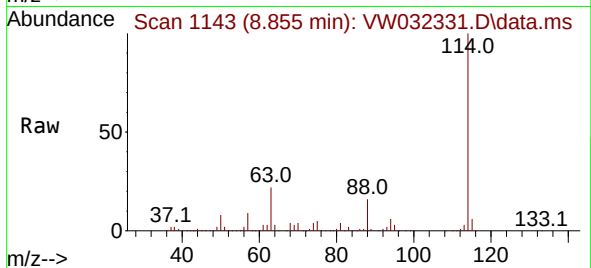
Tgt Ion: 65 Resp: 176059
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.6



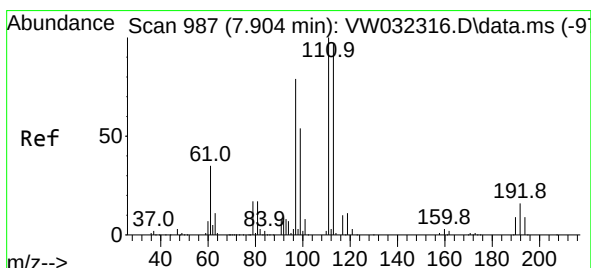
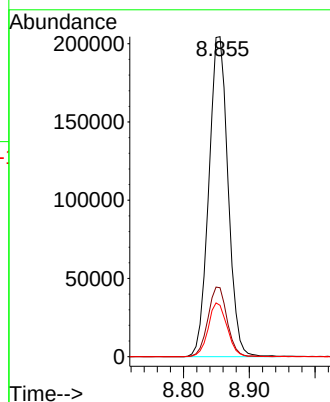
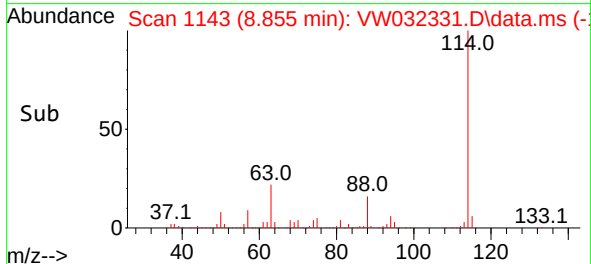


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Instrument :
MSVOA_W
ClientSampleId :

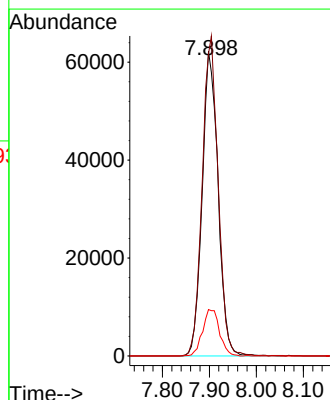
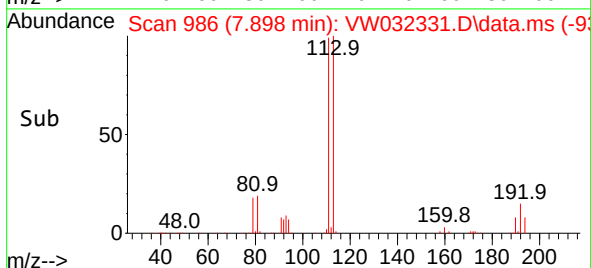
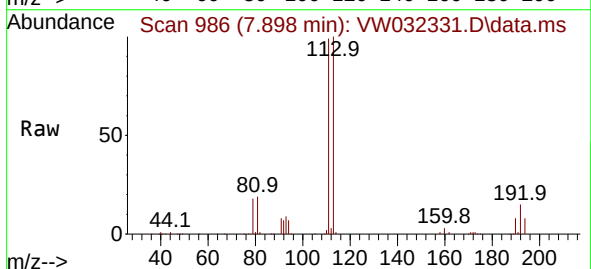


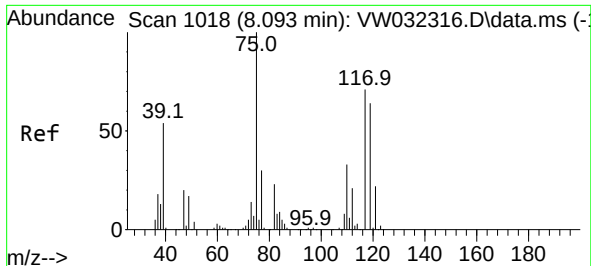
Tgt Ion:114 Resp: 415669
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 54.362 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Tgt Ion:113 Resp: 146337
Ion Ratio Lower Upper
113 100
111 104.9 83.9 125.9
192 16.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.134 min

Lab File: VW032331.D

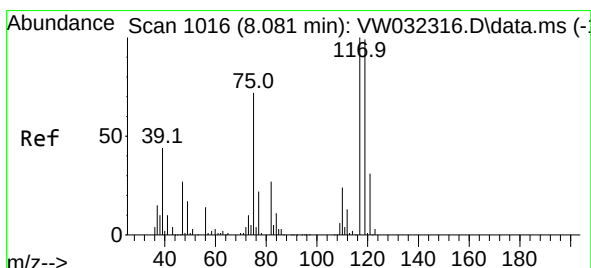
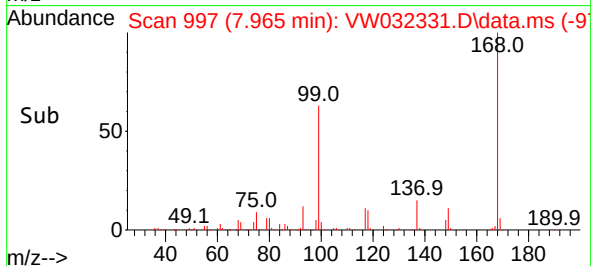
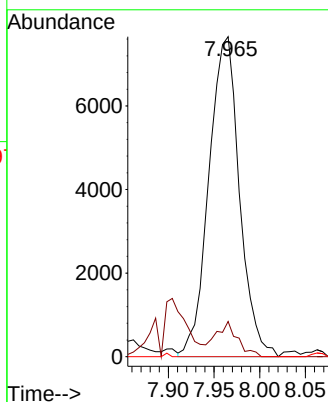
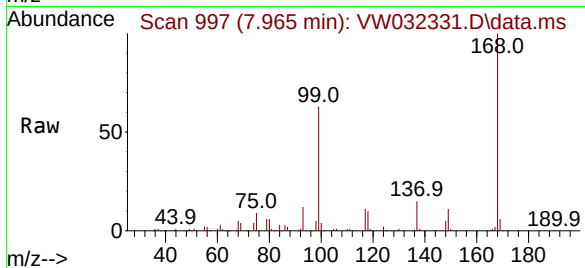
Acq: 02 Oct 2025 14:41

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	17842
Ion Ratio	Lower	Upper	
75	100		
110	7.7	17.5	52.5#
77	0.0	24.1	36.1#



#38

Carbon Tetrachloride

Concen: 6.070 ug/l

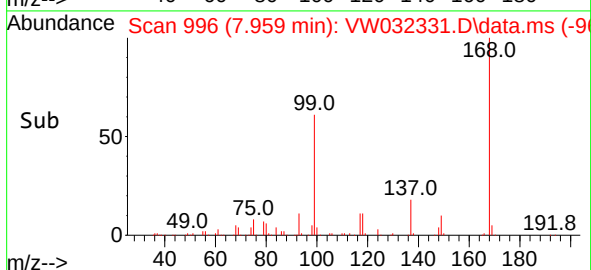
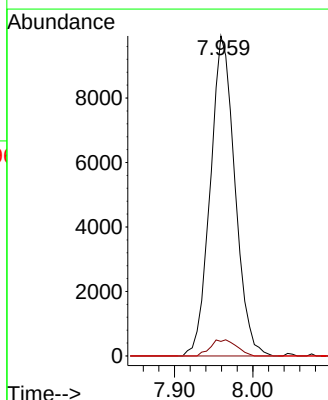
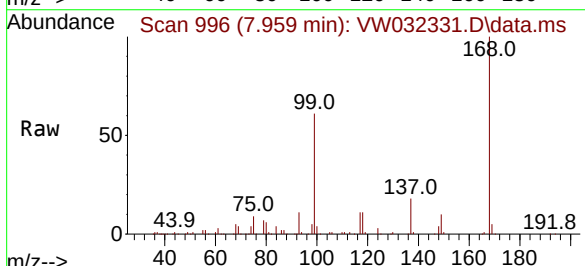
RT: 7.959 min Scan# 996

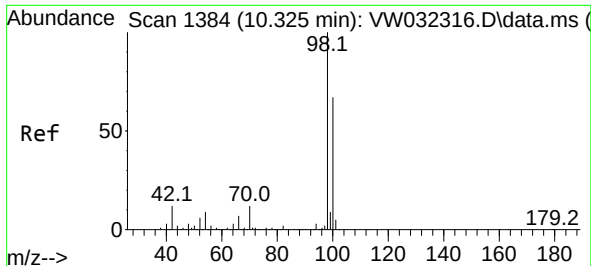
Delta R.T. -0.128 min

Lab File: VW032331.D

Acq: 02 Oct 2025 14:41

Tgt Ion:	117	Resp:	21699
Ion Ratio	Lower	Upper	
117	100		
119	4.6	74.2	111.2#
121	0.0	25.6	38.4#

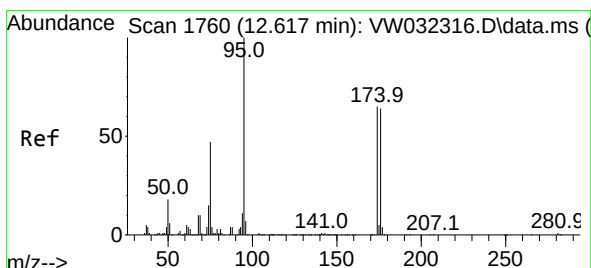
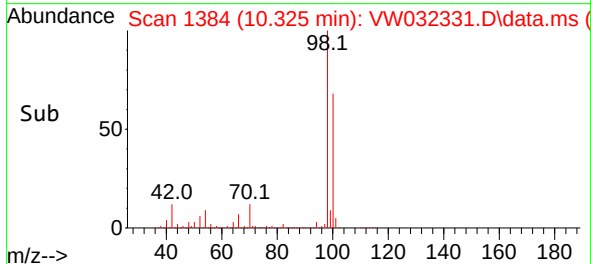
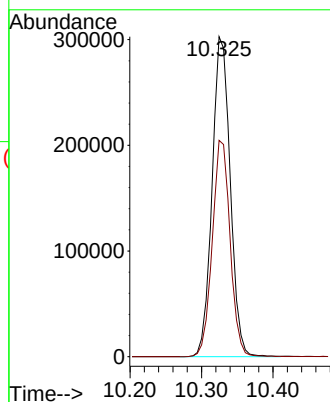
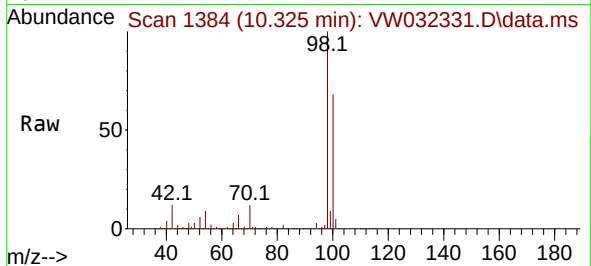




#50
Toluene-d8
Concen: 53.541 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

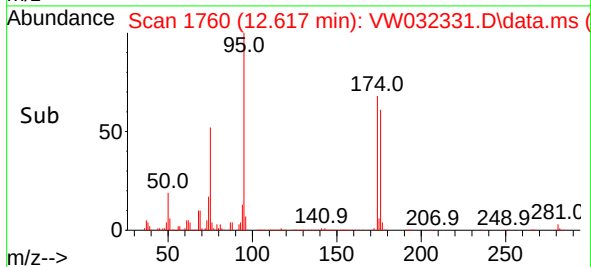
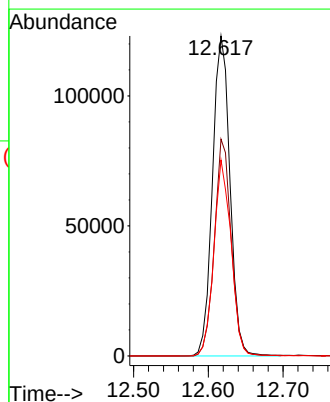
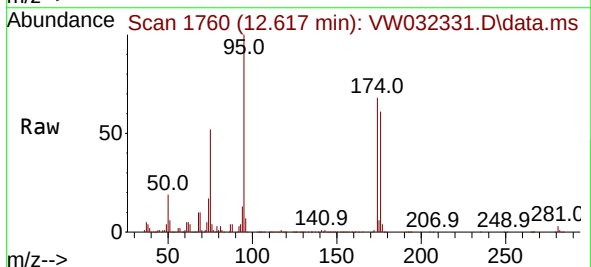
Instrument :
MSVOA_W
ClientSampleId :

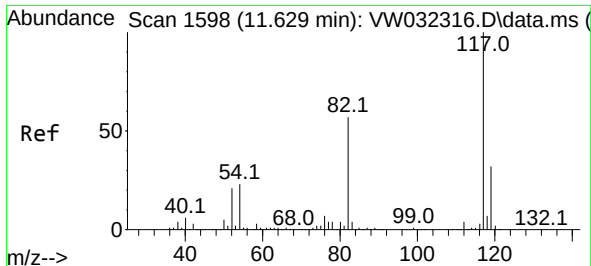
Tgt Ion: 98 Resp: 531943
Ion Ratio Lower Upper
98 100
100 66.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 53.327 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Tgt Ion: 95 Resp: 200253
Ion Ratio Lower Upper
95 100
174 65.3 0.0 145.6
176 60.4 0.0 140.8

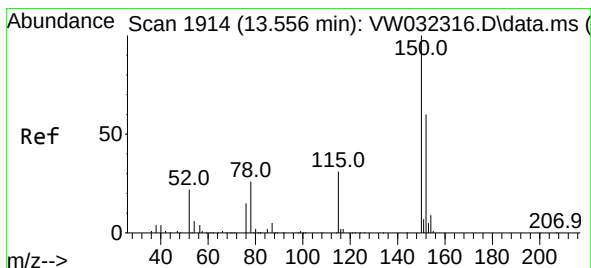
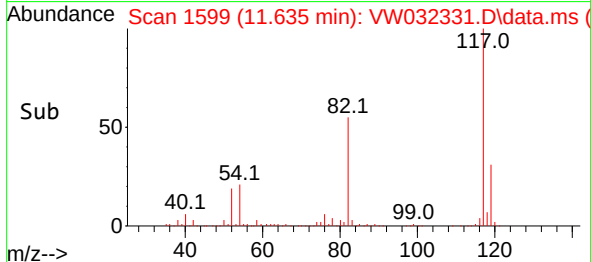
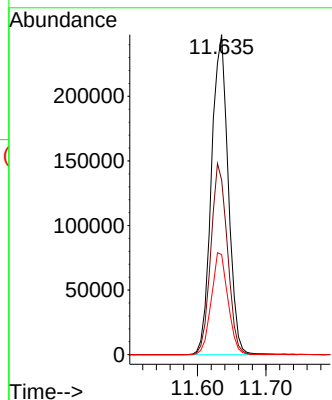
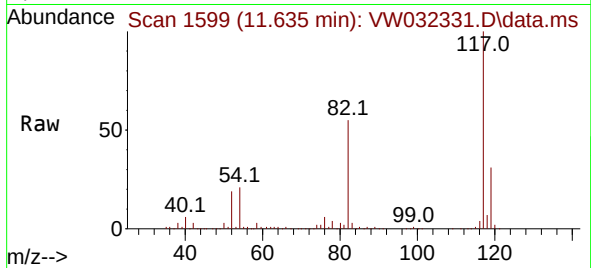




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

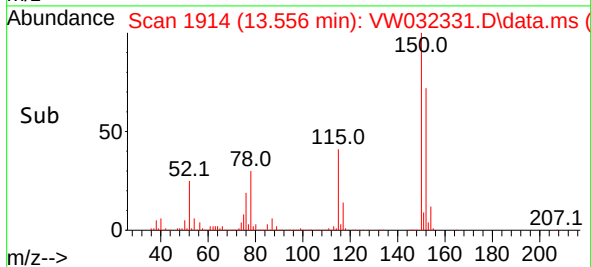
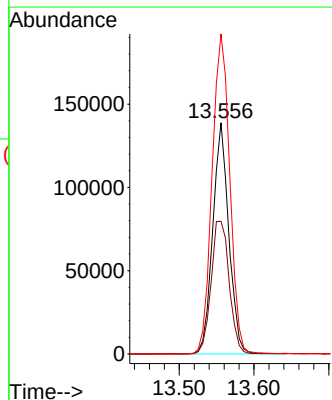
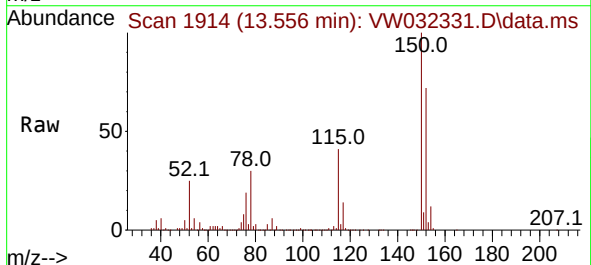
Instrument :
MSVOA_W
ClientSampleId :

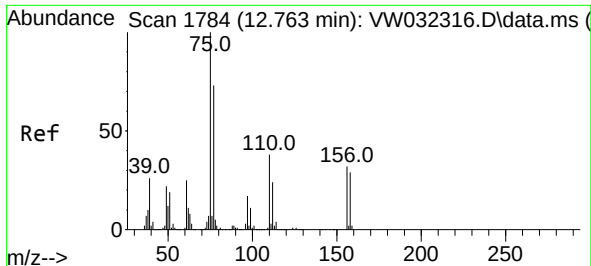
Tgt Ion:117 Resp: 420484
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 31.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Tgt Ion:152 Resp: 206810
Ion Ratio Lower Upper
152 100
115 64.7 31.8 95.4
150 152.5 0.0 343.0

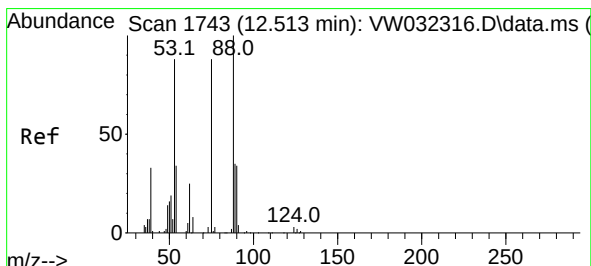
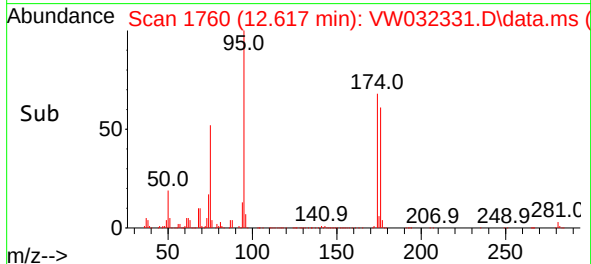
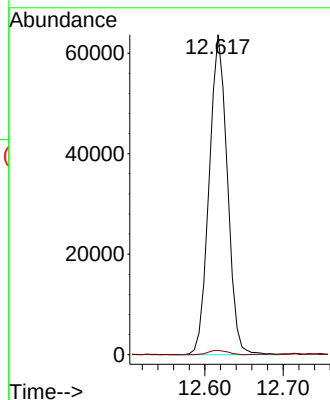
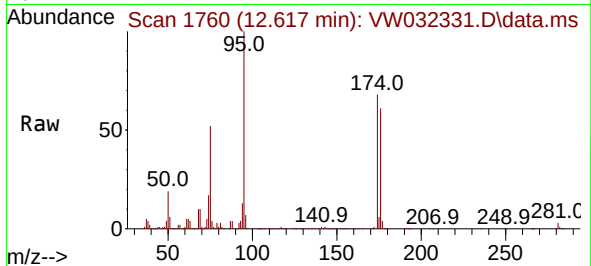




#76
1,2,3-Trichloropropane
Concen: 37.670 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 102520
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.429 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032331.D
Acq: 02 Oct 2025 14:41

Tgt Ion: 75 Resp: 102520
Ion Ratio Lower Upper
75 100
53 0.2 91.0 136.6#
89 0.0 39.4 59.2#

