

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032216.D
 Acq On : 19 Sep 2025 15:27
 Operator : SY/MD
 Sample : Q3153-02
 Misc : 4.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 19 23:11:16 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)

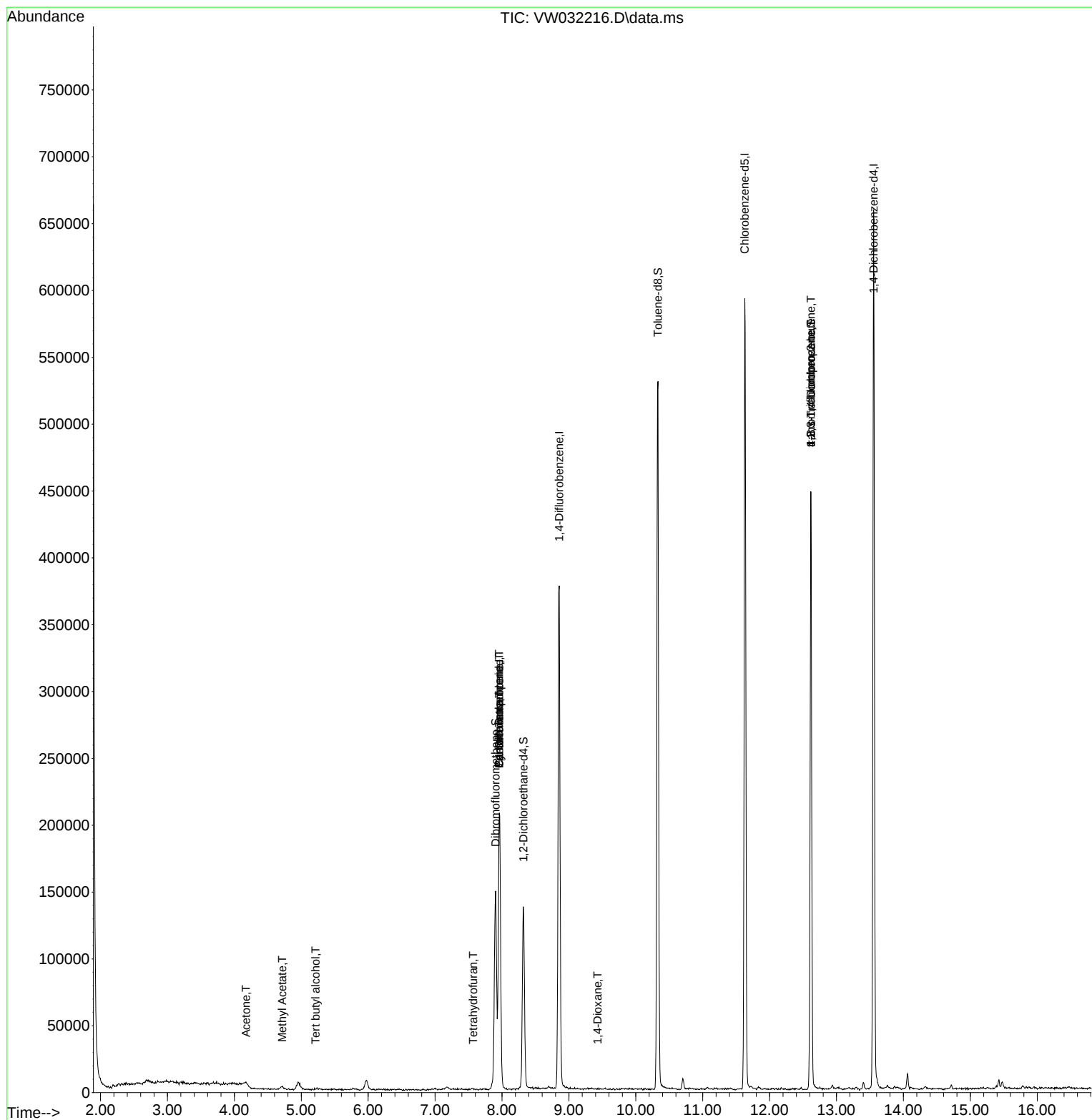
Internal Standards						
1) Pentafluorobenzene	7.959	168	147071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	309449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	308387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	158674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	112982	53.716	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.440%			
35) Dibromofluoromethane	7.904	113	104171	47.981	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.960%			
50) Toluene-d8	10.330	98	349795	45.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.800%			
62) 4-Bromofluorobenzene	12.617	95	138297	49.071	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 98.140%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.215	59	187	1.454	ug/l #	69
16) Acetone	4.173	43	2379	5.223	ug/l	90
18) Methyl Acetate	4.715	43	3955	2.725	ug/l	98
20) Methylene Chloride	4.965	84	4662	Below Cal		87
29) Tetrahydrofuran	7.569	42	550	1.341	ug/l #	75
31) Cyclohexane	7.959	56	4555	1.764	ug/l #	44
36) 1,1-Dichloropropene	7.959	75	14017	4.979	ug/l #	53
38) Carbon Tetrachloride	7.959	117	16727	5.543	ug/l #	19
49) 1,4-Dioxane	9.428	88	50	2.813	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	77616	39.045	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	77616	105.127	ug/l #	5

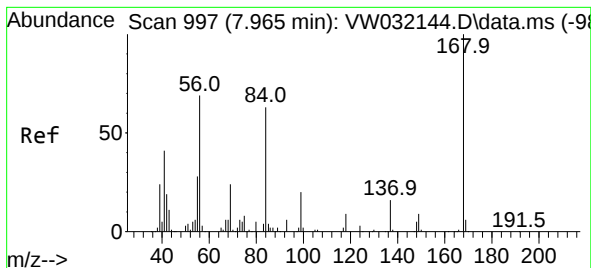
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 99

Delta R.T. -0.006 min

Lab File: VW032216.D

Acq: 19 Sep 2025 15:27

Instrument :

MSVOA_W

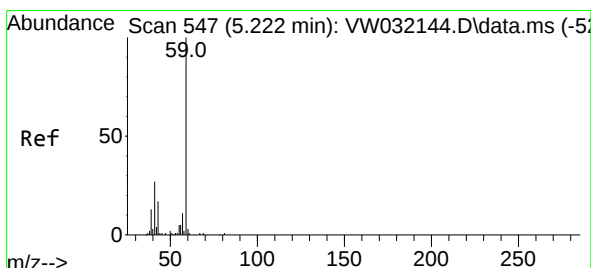
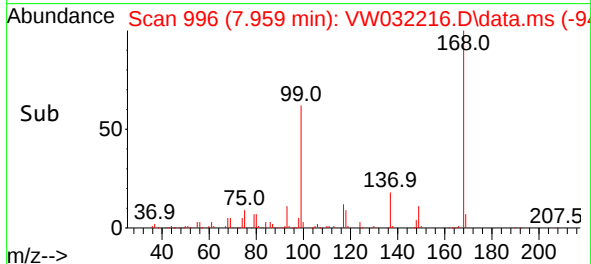
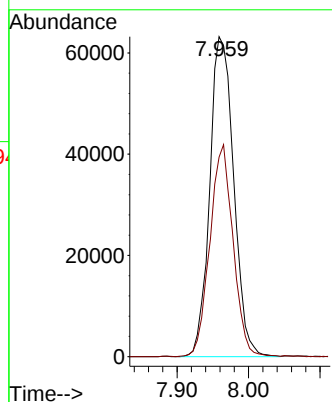
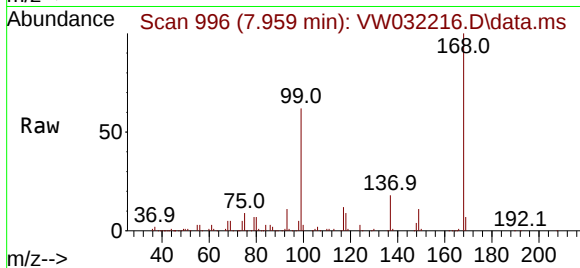
ClientSampleId :

Tgt Ion:168 Resp: 147071

Ion Ratio Lower Upper

168 100

99 62.3 49.3 73.9



#11

Tert butyl alcohol

Concen: 1.454 ug/l

RT: 5.215 min Scan# 546

Delta R.T. -0.007 min

Lab File: VW032216.D

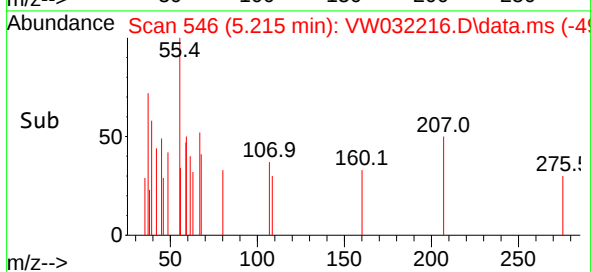
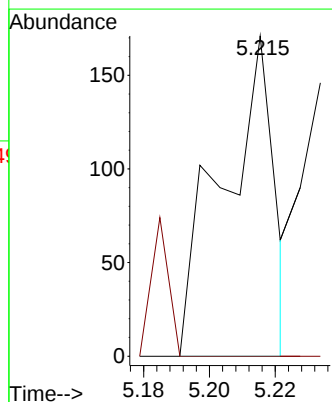
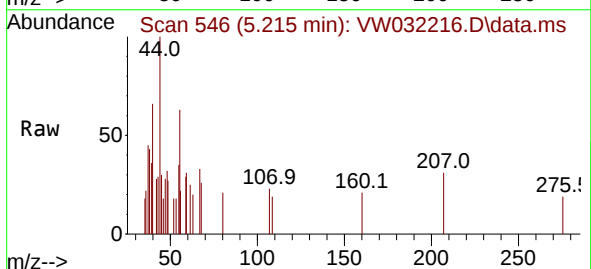
Acq: 19 Sep 2025 15:27

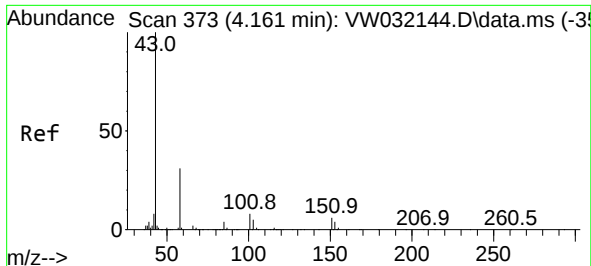
Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 9.8 14.6#

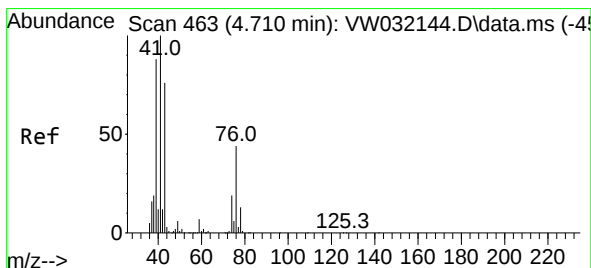
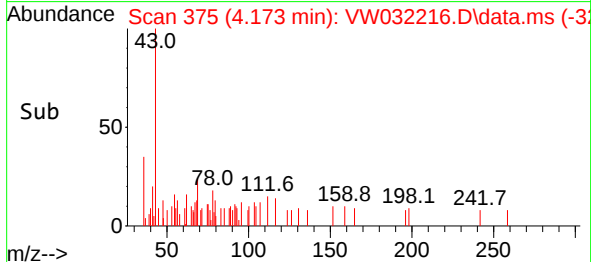
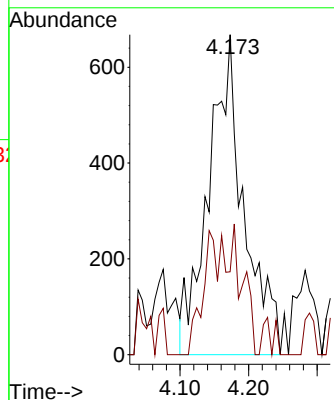
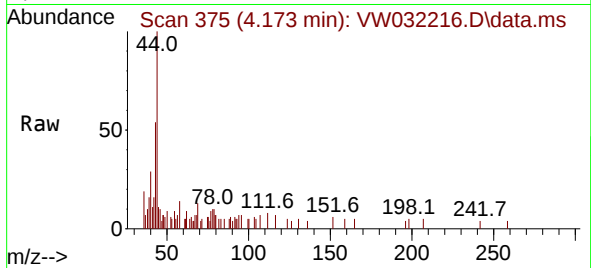




#16
Acetone
Concen: 5.223 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

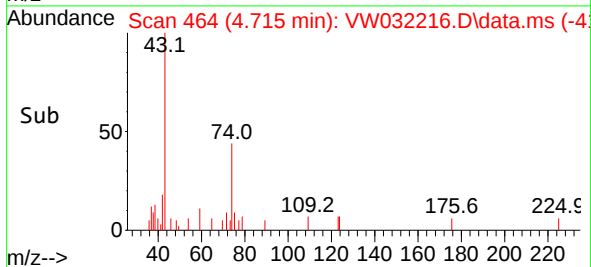
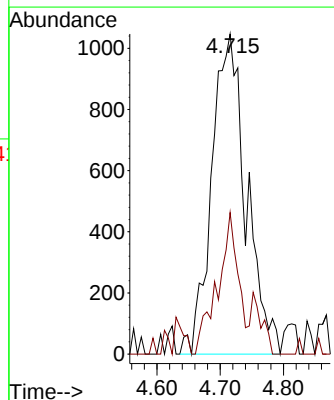
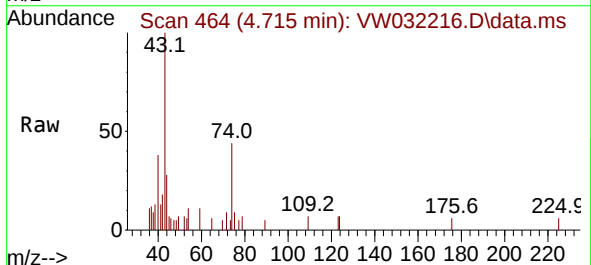
Instrument :
MSVOA_W
ClientSampleId :

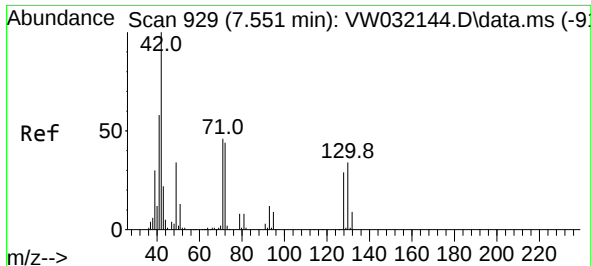
Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
58 25.9 25.3 37.9



#18
Methyl Acetate
Concen: 2.725 ug/l
RT: 4.715 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

Tgt Ion: 43 Resp: 3955
Ion Ratio Lower Upper
43 100
74 26.2 20.2 30.4





#29

Tetrahydrofuran

Concen: 1.341 ug/l

RT: 7.569 min Scan# 91

Delta R.T. 0.018 min

Lab File: VW032216.D

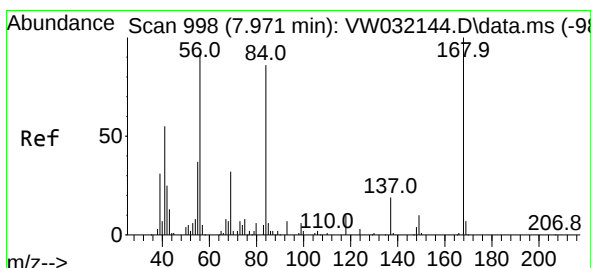
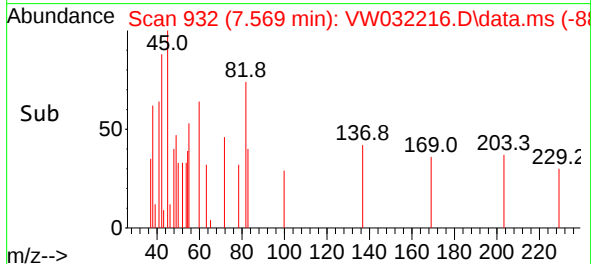
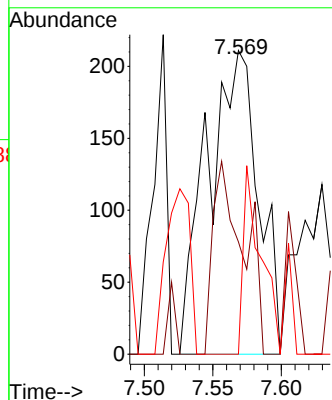
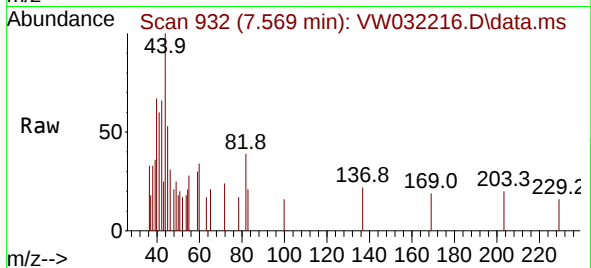
Acq: 19 Sep 2025 15:27

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 42	Resp: 550
Ion Ratio	Lower Upper
42	100
72	37.8 37.4 56.2
71	21.5 36.0 54.0#



#31

Cyclohexane

Concen: 1.764 ug/l

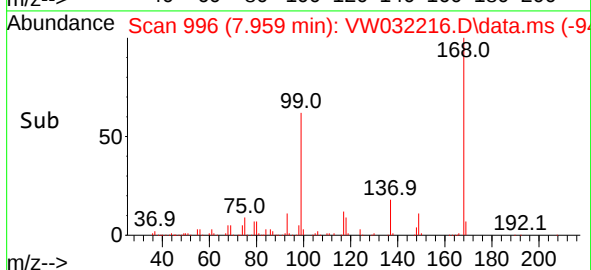
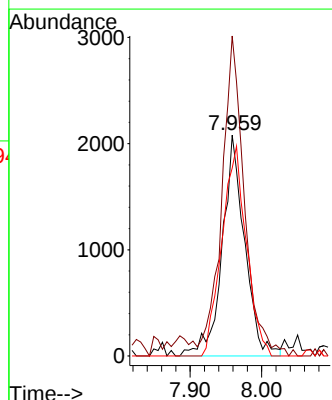
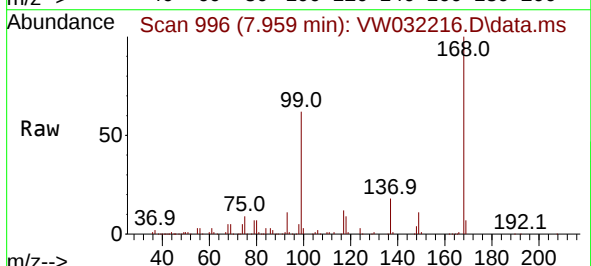
RT: 7.959 min Scan# 996

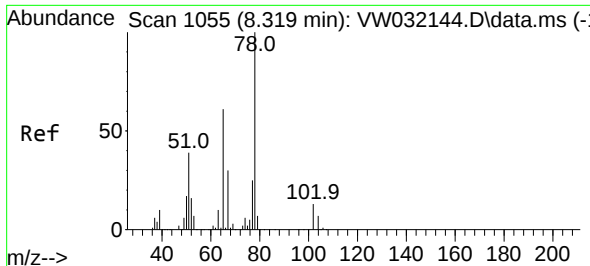
Delta R.T. -0.013 min

Lab File: VW032216.D

Acq: 19 Sep 2025 15:27

Tgt Ion: 56	Resp: 4555
Ion Ratio	Lower Upper
56	100
69	141.7 27.7 41.5#
84	85.1 74.6 112.0

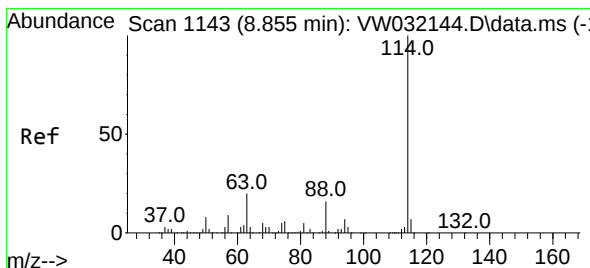
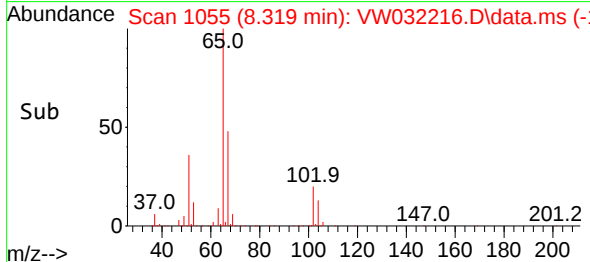
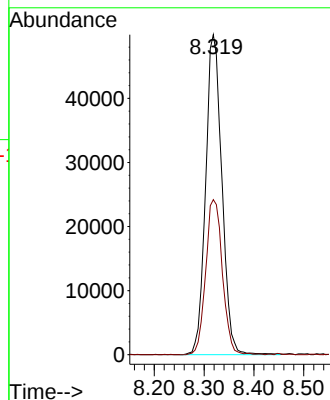
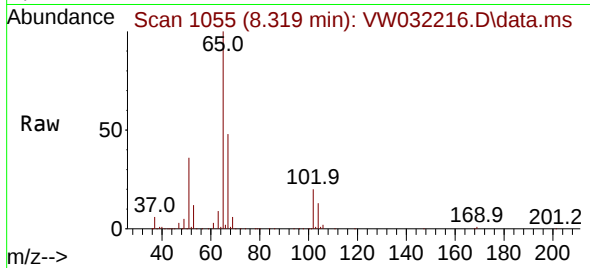




#33
 1,2-Dichloroethane-d4
 Concen: 53.716 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. -0.001 min
 Lab File: VW032216.D
 Acq: 19 Sep 2025 15:27

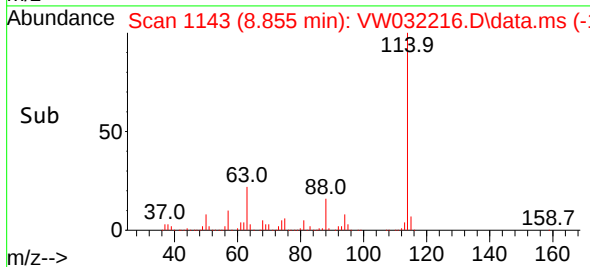
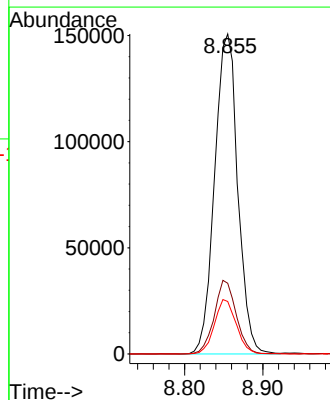
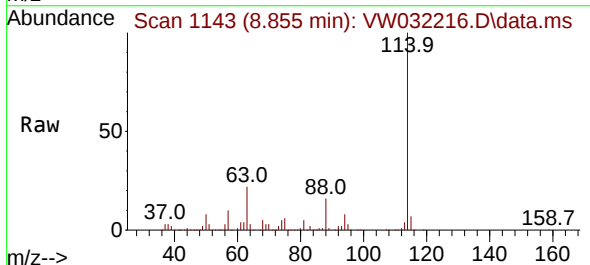
Instrument :
 MSVOA_W
 ClientSampleId :

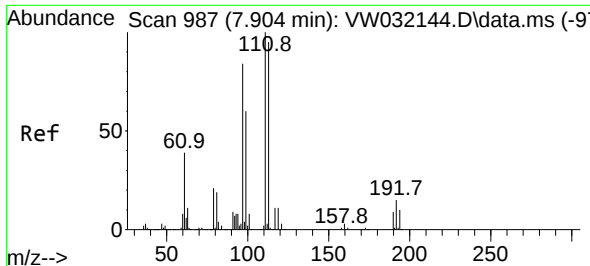
Tgt Ion: 65 Resp: 112982
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.001 min
 Lab File: VW032216.D
 Acq: 19 Sep 2025 15:27

Tgt Ion: 114 Resp: 309449
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 40.4
 88 16.4 0.0 32.0

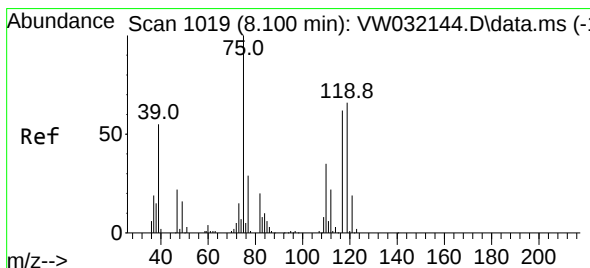
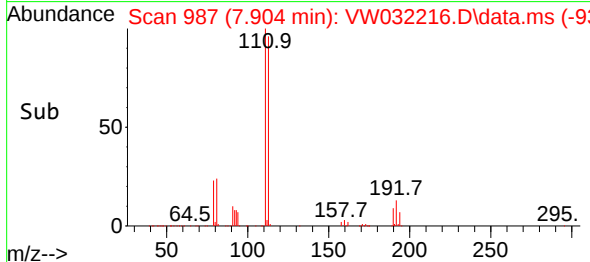
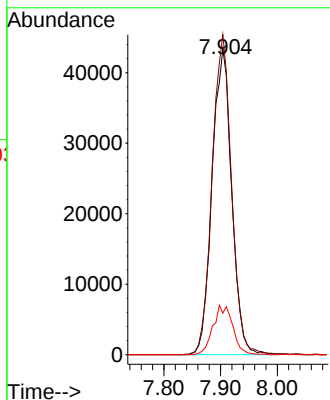
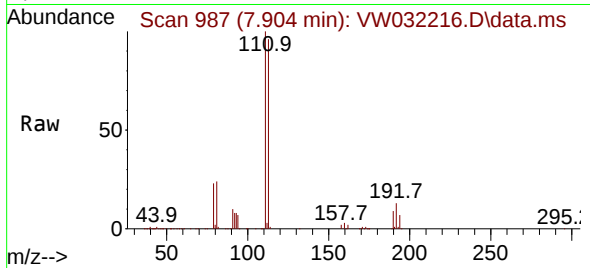




#35
Dibromofluoromethane
Concen: 47.981 ug/l
RT: 7.904 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

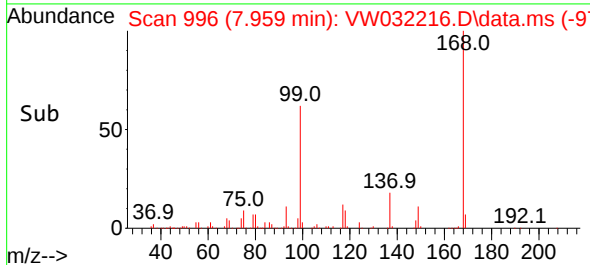
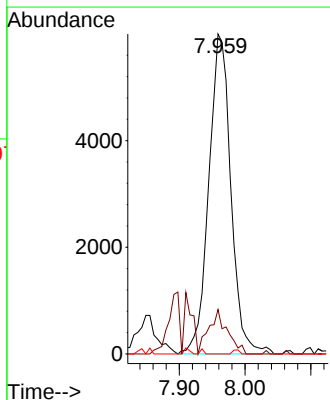
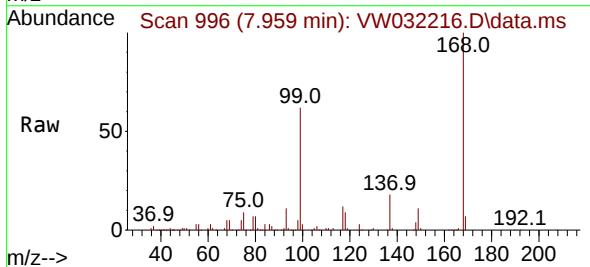
Instrument :
MSVOA_W
ClientSampleId :

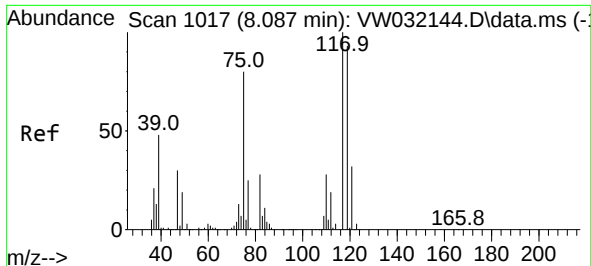
Tgt Ion:113 Resp: 104171
Ion Ratio Lower Upper
113 100
111 103.3 83.9 125.9
192 16.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.141 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

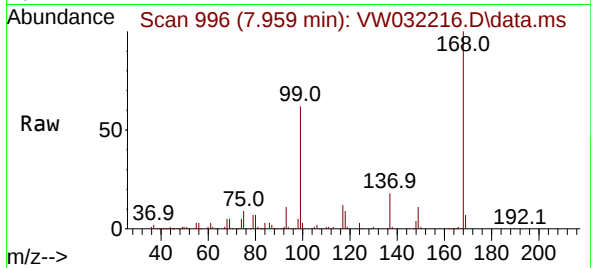
Tgt Ion: 75 Resp: 14017
Ion Ratio Lower Upper
75 100
110 11.7 17.5 52.5#
77 0.0 24.1 36.1#



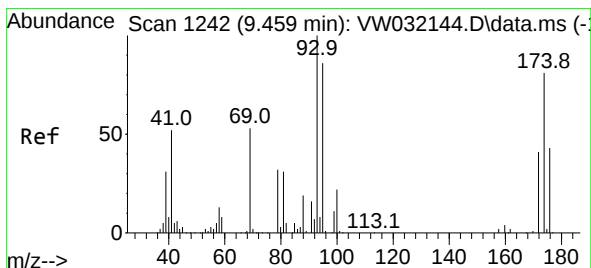
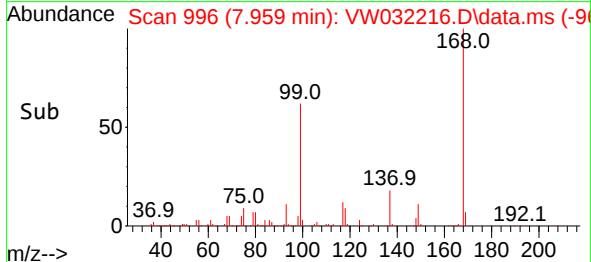
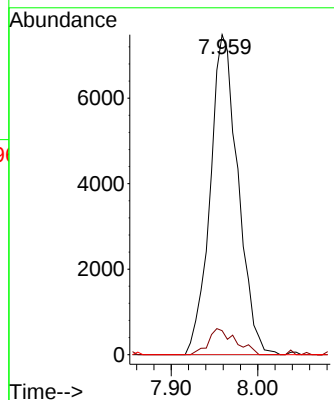


#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.129 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

Instrument :
MSVOA_W
ClientSampleId :

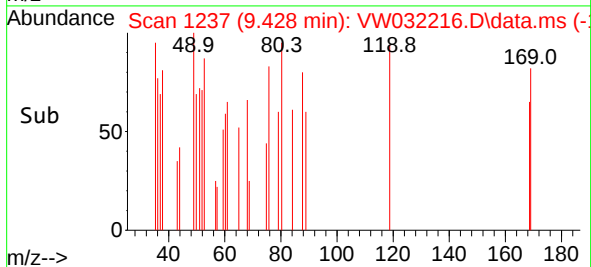
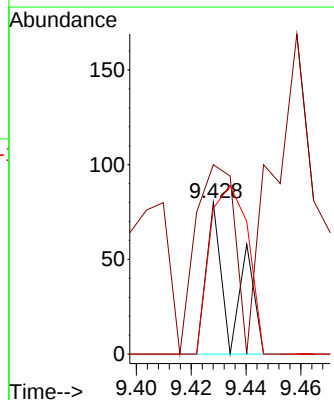
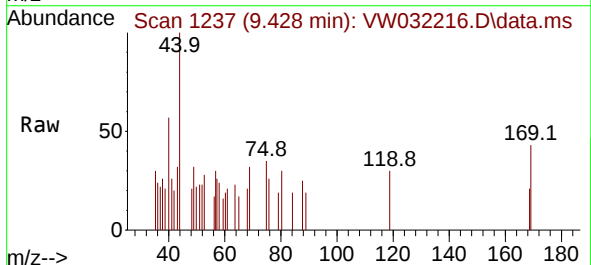


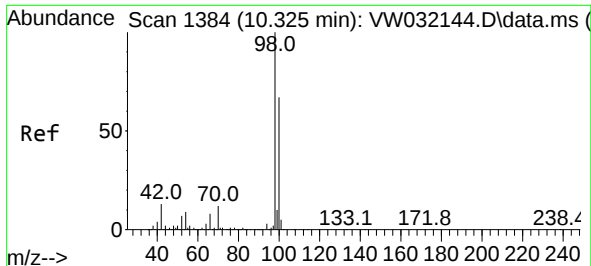
Tgt Ion:117 Resp: 16727
Ion Ratio Lower Upper
117 100
119 7.5 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 2.813 ug/l
RT: 9.428 min Scan# 1237
Delta R.T. -0.031 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 196.0 18.0 27.0#
58 172.0 55.4 83.0#

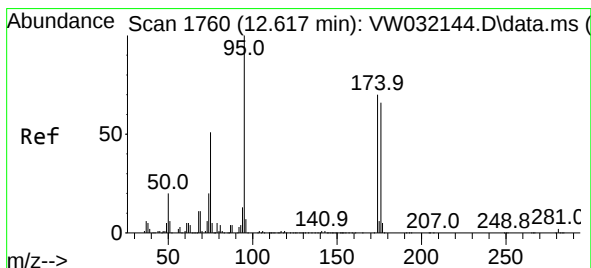
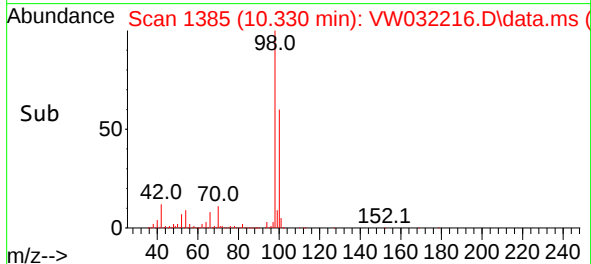
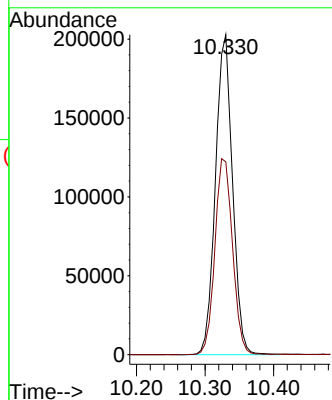
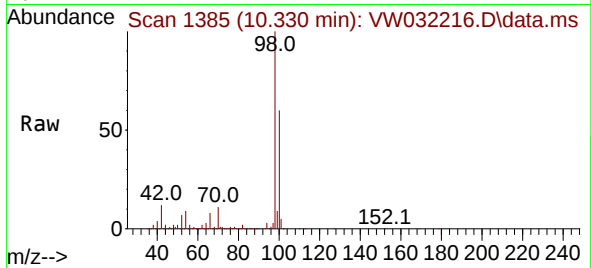




#50
Toluene-d8
Concen: 45.896 ug/l
RT: 10.330 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

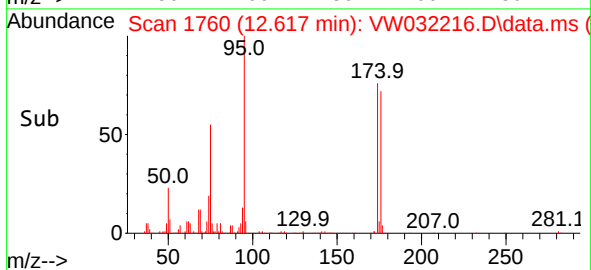
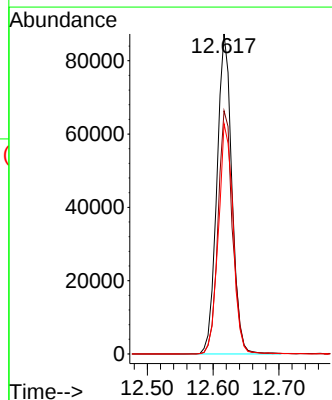
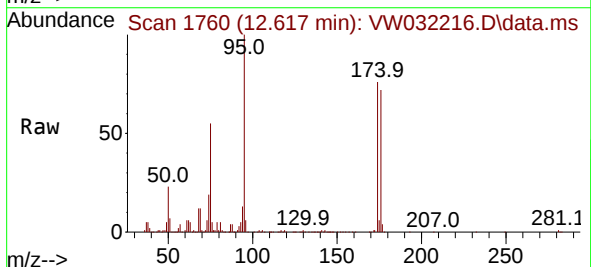
Instrument :
MSVOA_W
ClientSampleId :

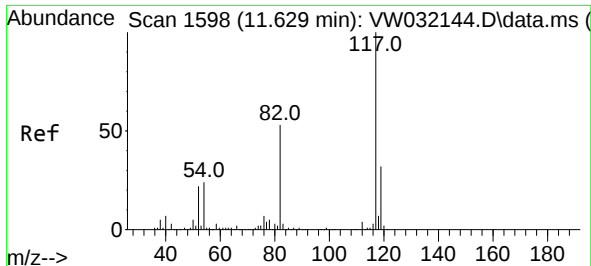
Tgt Ion: 98 Resp: 349795
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.071 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.001 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

Tgt Ion: 95 Resp: 138297
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.6
176 70.6 0.0 140.8

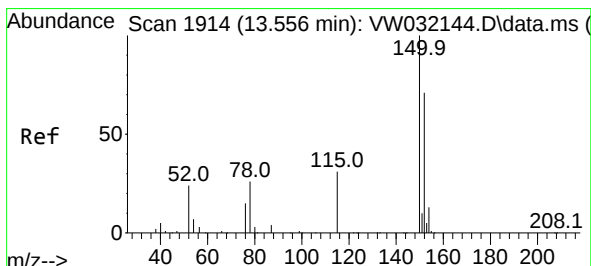
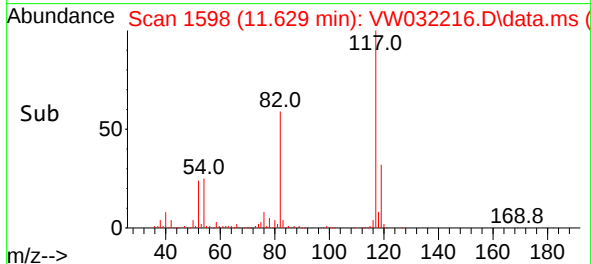
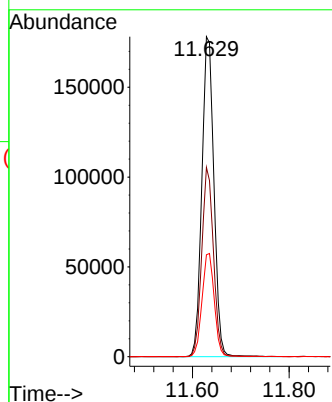
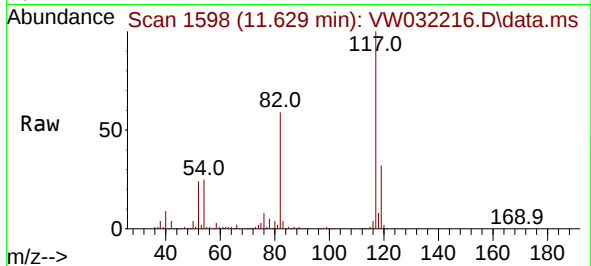




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.001 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

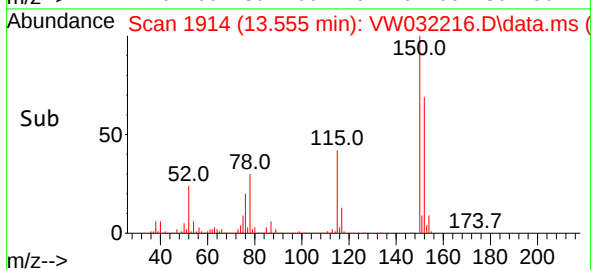
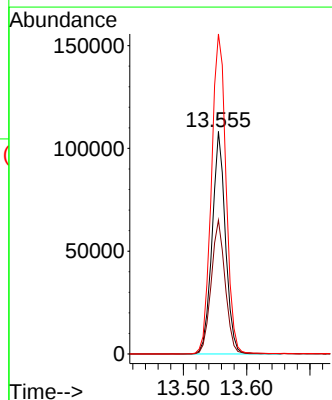
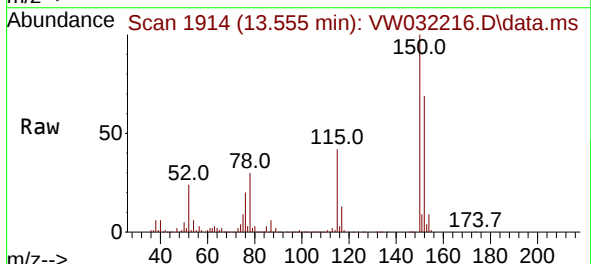
Instrument :
MSVOA_W
ClientSampleId :

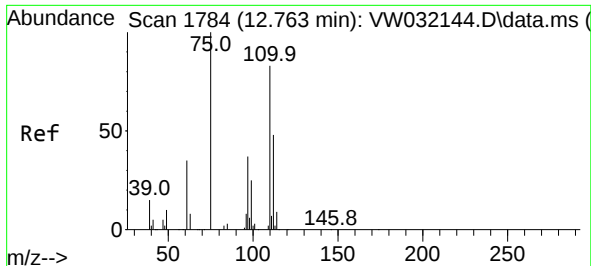
Tgt Ion:117 Resp: 308387
Ion Ratio Lower Upper
117 100
82 59.1 42.7 64.1
119 31.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.001 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

Tgt Ion:152 Resp: 158674
Ion Ratio Lower Upper
152 100
115 62.9 31.8 95.4
150 157.5 0.0 343.0

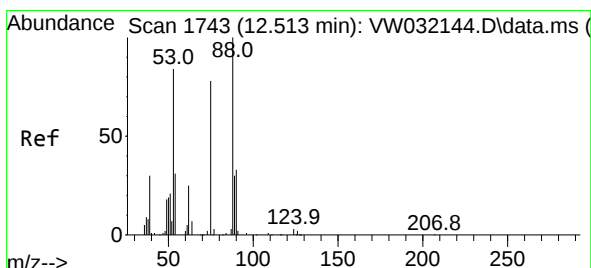
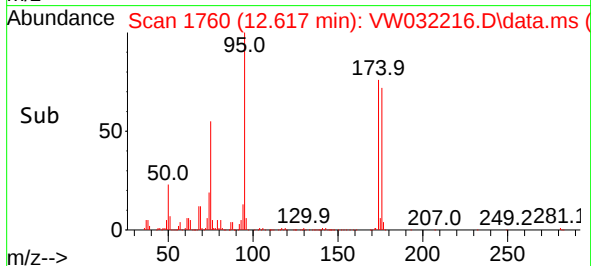
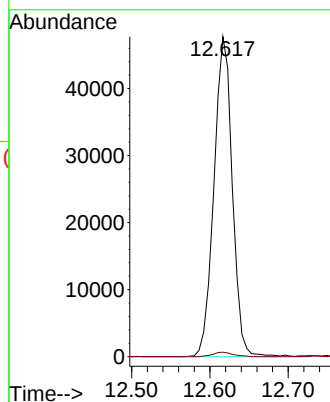
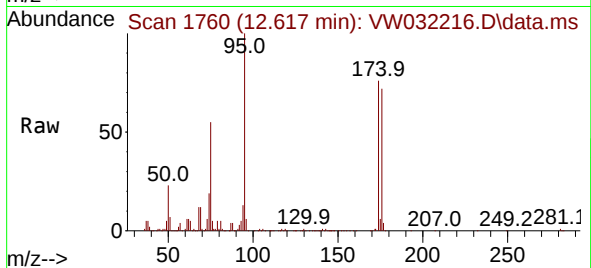




#76
1,2,3-Trichloropropane
Concen: 39.045 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 77616
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.127 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032216.D
Acq: 19 Sep 2025 15:27

Tgt Ion: 75 Resp: 77616
Ion Ratio Lower Upper
75 100
53 0.0 91.0 136.6#
89 0.1 39.4 59.2#

