

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032384.D
 Acq On : 20 Oct 2025 13:29
 Operator : SY/MD
 Sample : Q3375-02
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S04-000013-20251016

Quant Time: Oct 21 01:26:11 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)

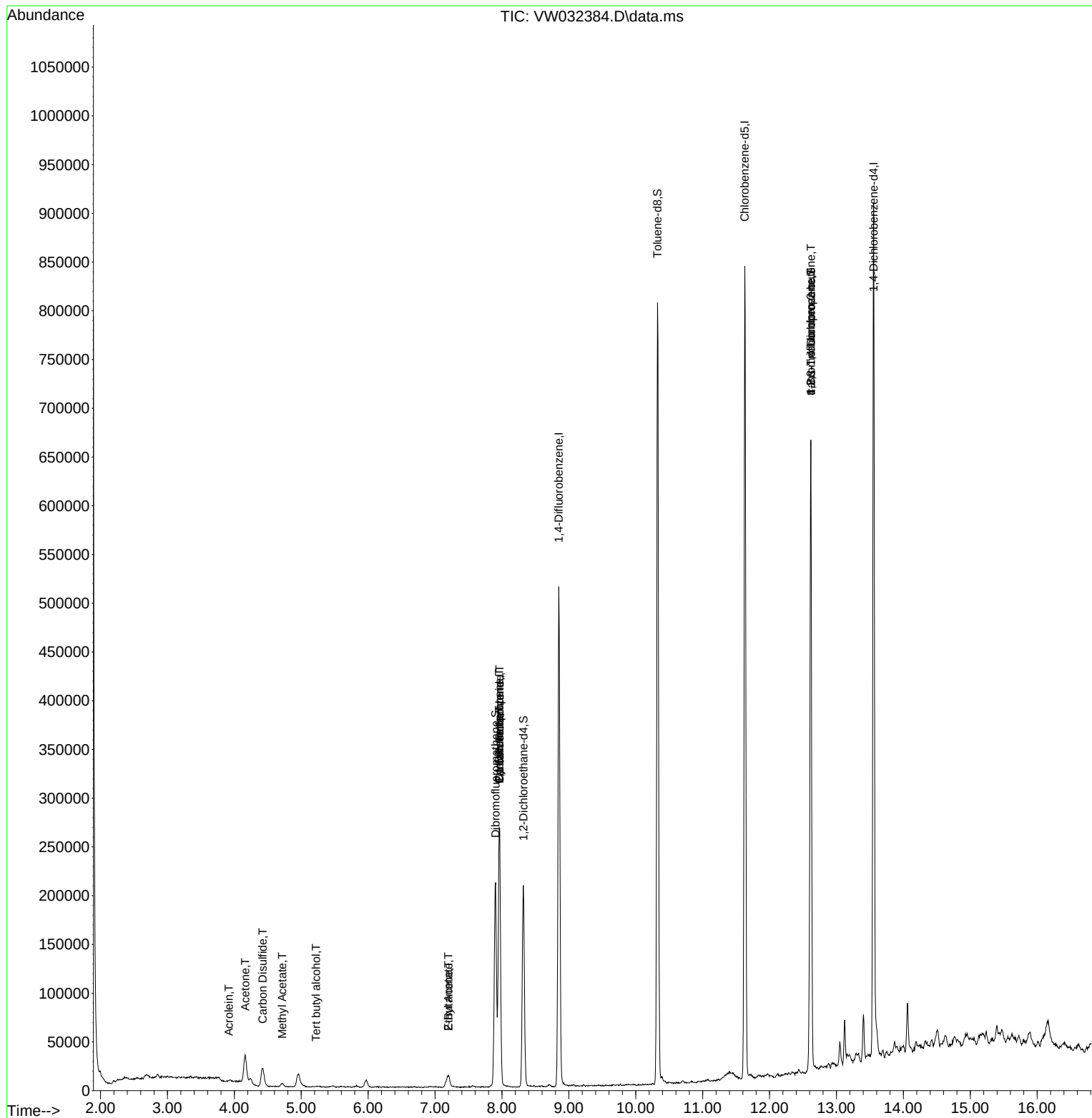
Internal Standards						
1) Pentafluorobenzene	7.965	168	190524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	418533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	462277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	224932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171051	61.553	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 123.100%		
35) Dibromofluoromethane	7.904	113	154580	57.031	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 114.060%		
50) Toluene-d8	10.325	98	537738	53.754	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 107.500%		
62) 4-Bromofluorobenzene	12.617	95	216201	57.180	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 114.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	444	2.111	ug/l #	69
13) Acrolein	3.917	56	904	2.648	ug/l #	47
16) Acetone	4.161	43	51826	67.354	ug/l	97
17) Carbon Disulfide	4.423	76	46176	7.882	ug/l	99
18) Methyl Acetate	4.716	43	6930	3.144	ug/l	95
20) Methylene Chloride	4.960	84	11747	Below Cal		93
25) 2-Butanone	7.197	43	16869	16.097	ug/l	94
31) Cyclohexane	7.959	56	4910	1.255	ug/l #	14
36) 1,1-Dichloropropene	7.959	75	17793	4.651	ug/l #	50
37) Ethyl Acetate	7.197	43	16869	6.625	ug/l #	72
38) Carbon Tetrachloride	7.965	117	20941	5.818	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	109785	37.090	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	109785	93.958	ug/l #	5

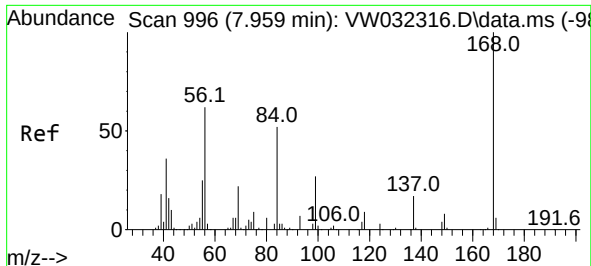
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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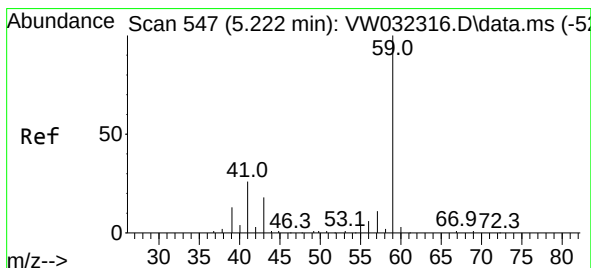
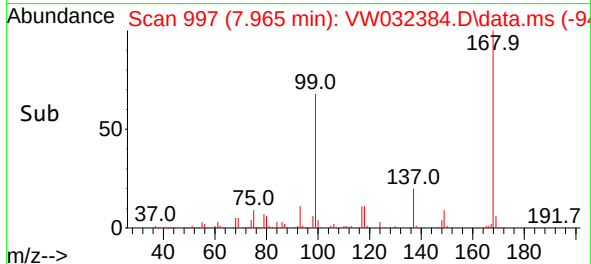
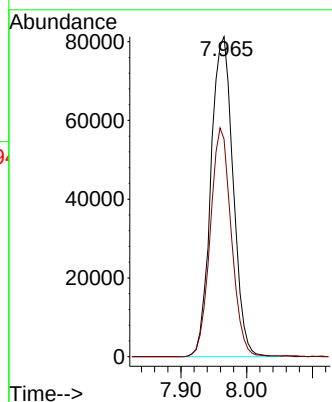
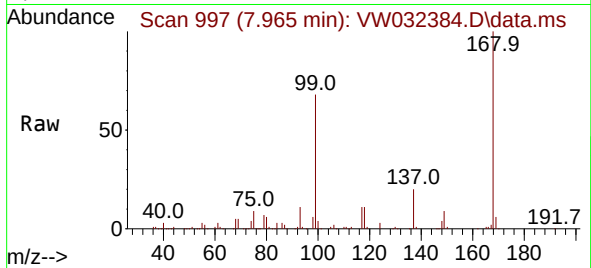




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

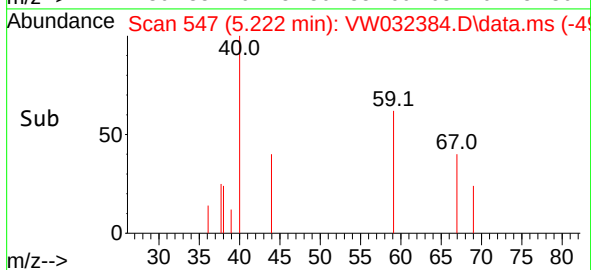
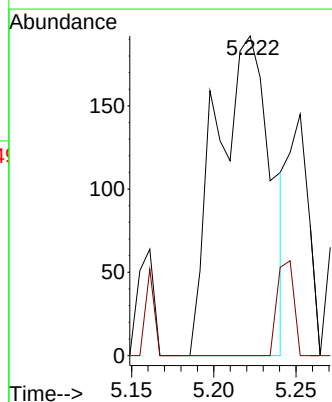
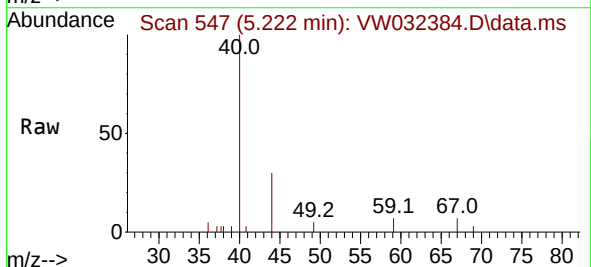
Instrument :
MSVOA_W
ClientSampleId :
PR132-S04-000013-20251016

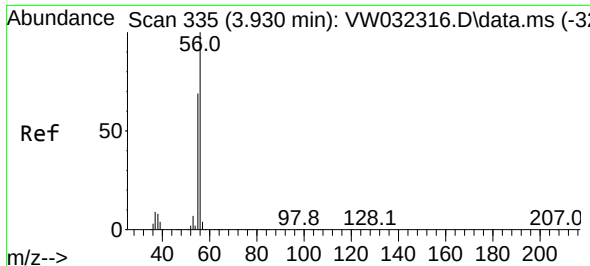
Tgt Ion:168 Resp: 190524
Ion Ratio Lower Upper
168 100
99 68.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.111 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 59 Resp: 444
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

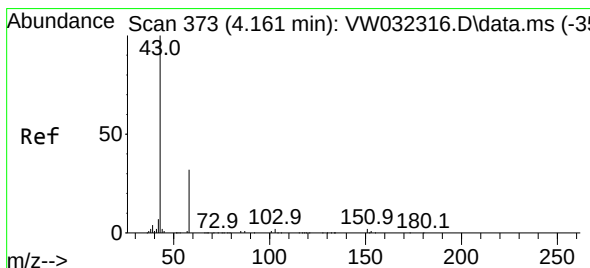
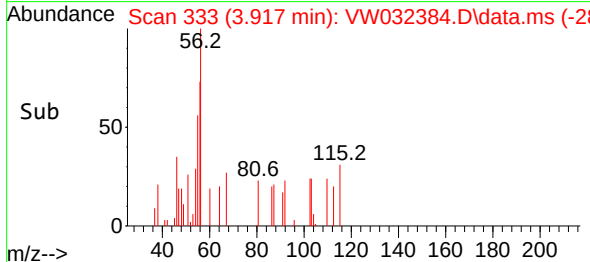
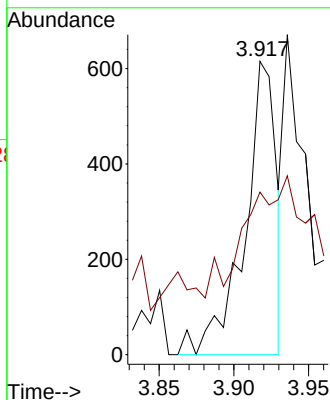
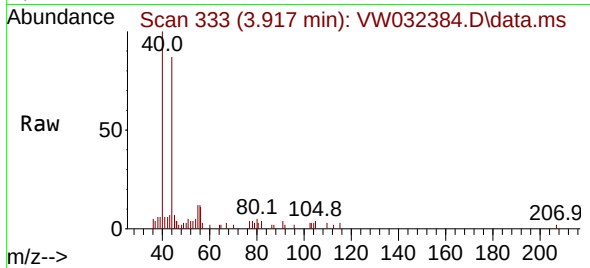




#13
Acrolein
Concen: 2.648 ug/l
RT: 3.917 min Scan# 311
Delta R.T. -0.012 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

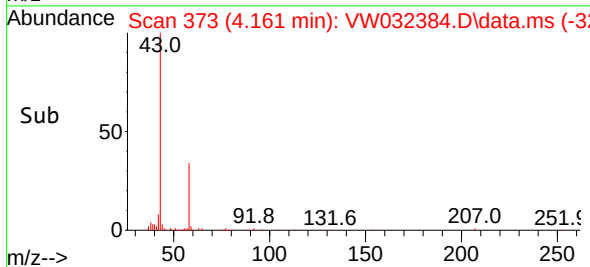
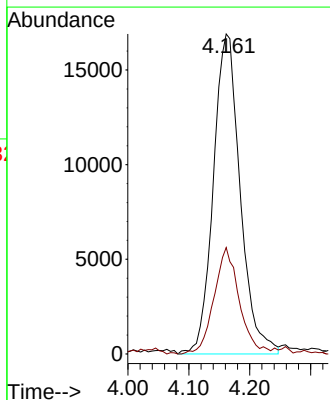
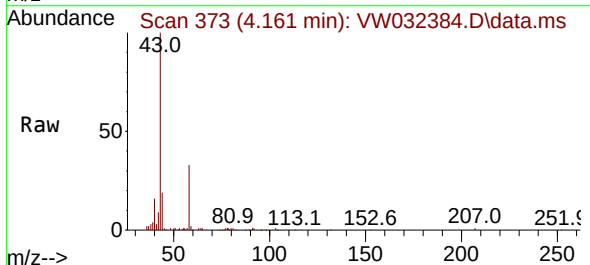
Instrument :
MSVOA_W
ClientSampleId :
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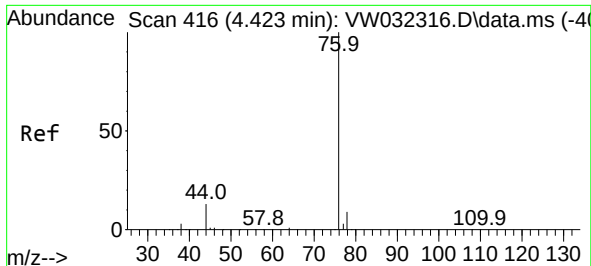
Tgt Ion: 56 Resp: 904
Ion Ratio Lower Upper
56 100
55 113.8 56.4 84.6#



#16
Acetone
Concen: 67.354 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 43 Resp: 51826
Ion Ratio Lower Upper
43 100
58 33.2 25.3 37.9

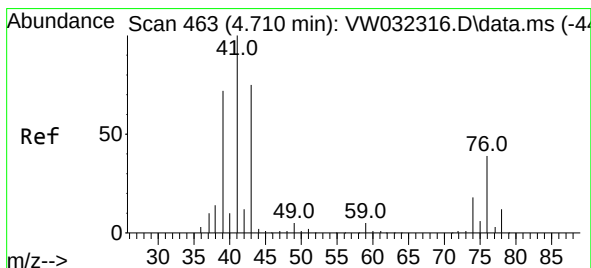
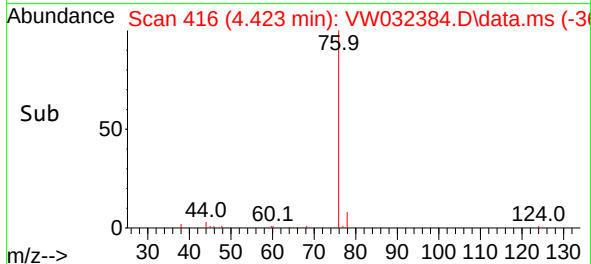
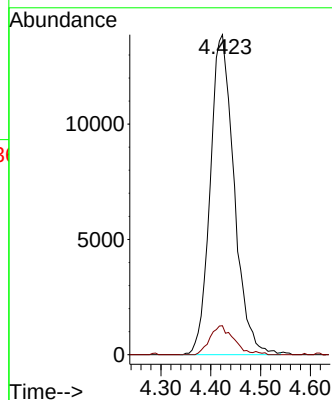
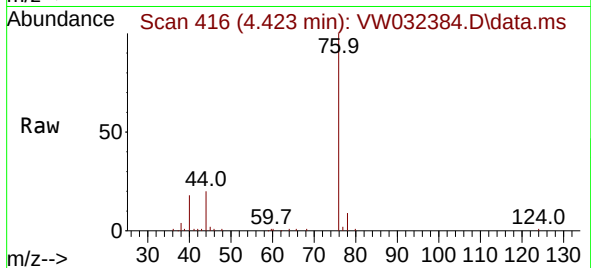




#17
Carbon Disulfide
Concen: 7.882 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

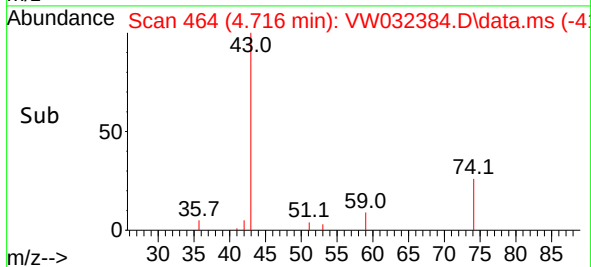
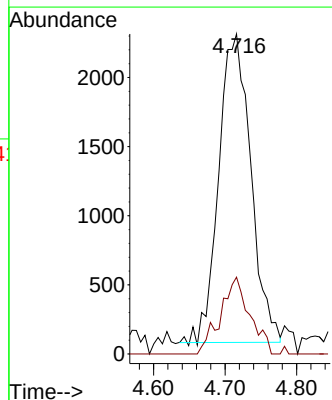
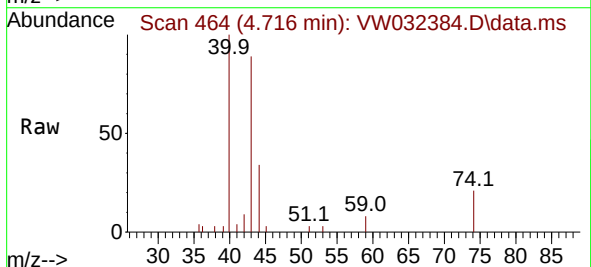
Instrument :
MSVOA_W
ClientSampleId :
PR132-S04-000013-20251016

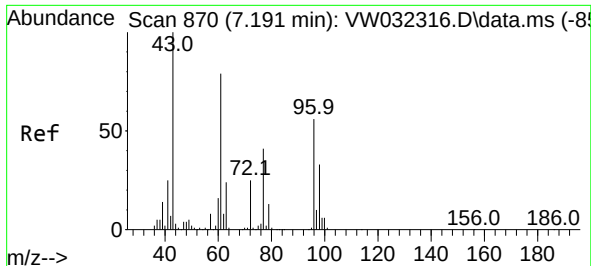
Tgt Ion: 76 Resp: 46176
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 3.144 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 43 Resp: 6930
Ion Ratio Lower Upper
43 100
74 22.8 20.2 30.4

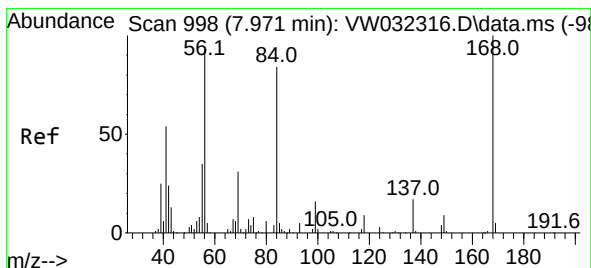
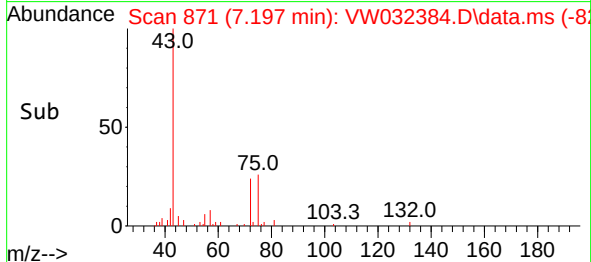
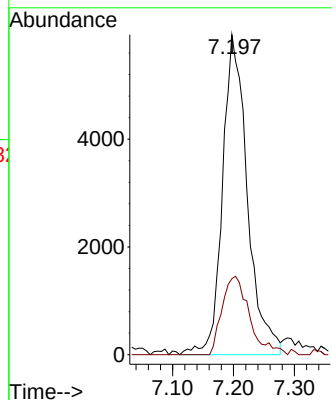
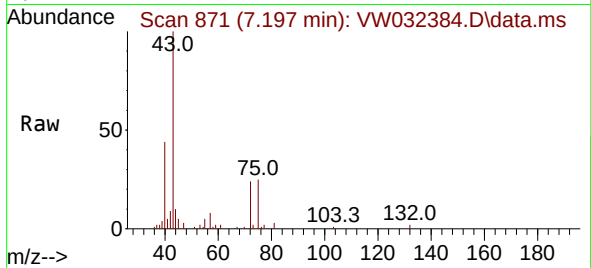




#25
2-Butanone
Concen: 16.097 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

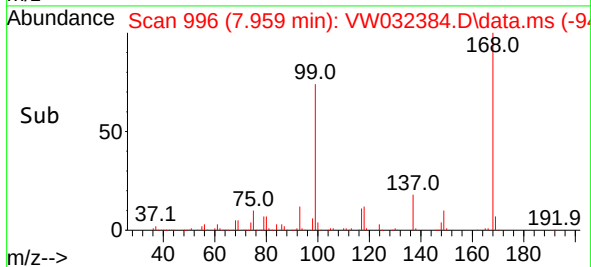
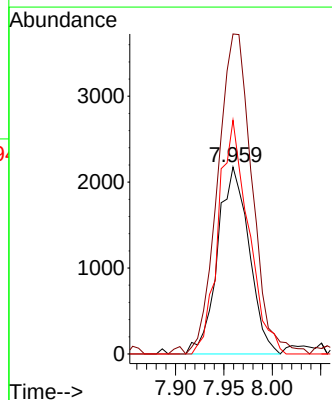
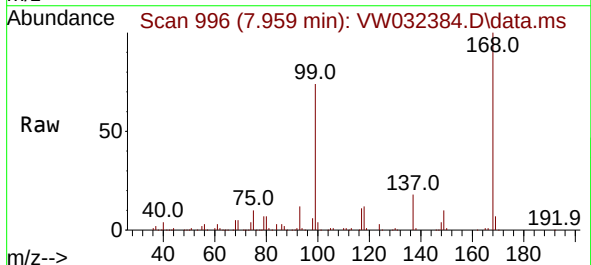
Instrument :
MSVOA_W
ClientSampleId :
PR132-S04-000013-20251016

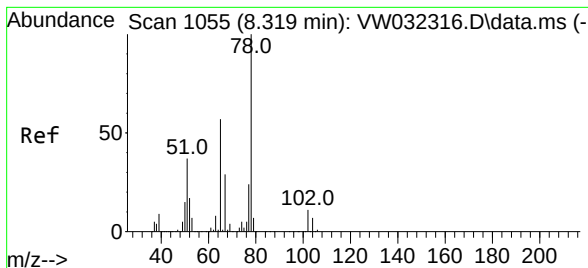
Tgt Ion: 43 Resp: 16869
Ion Ratio Lower Upper
43 100
72 23.7 21.4 32.2



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 56 Resp: 4910
Ion Ratio Lower Upper
56 100
69 167.3 27.7 41.5#
84 125.1 74.6 112.0#





#33

1,2-Dichloroethane-d4

Concen: 61.553 ug/l

RT: 8.319 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VW032384.D

Acq: 20 Oct 2025 13:29

Instrument :

MSVOA_W

ClientSampleId :

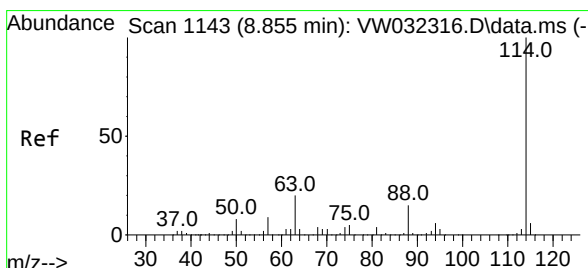
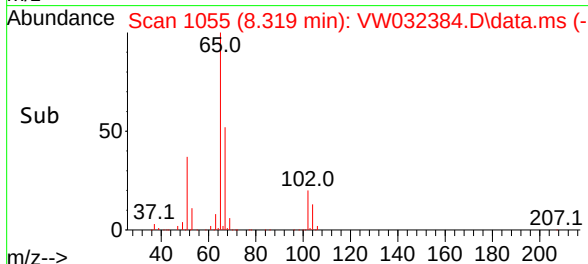
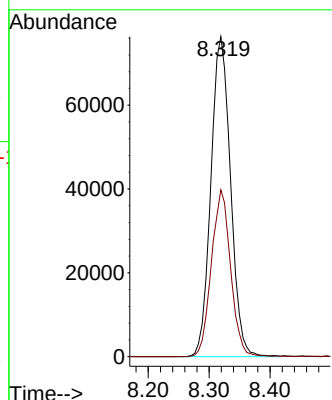
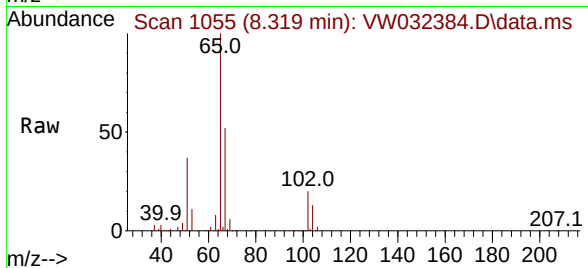
PR132-S04-000013-20251016

Tgt Ion: 65 Resp: 171051

Ion Ratio Lower Upper

65 100

67 50.9 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: VW032384.D

Acq: 20 Oct 2025 13:29

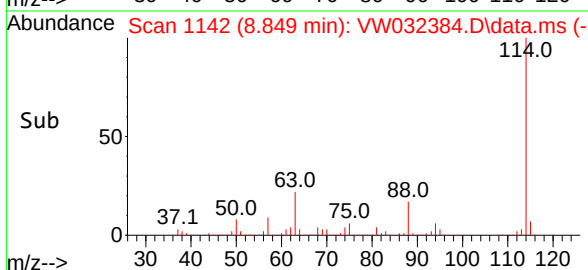
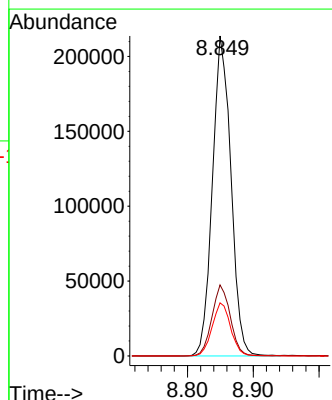
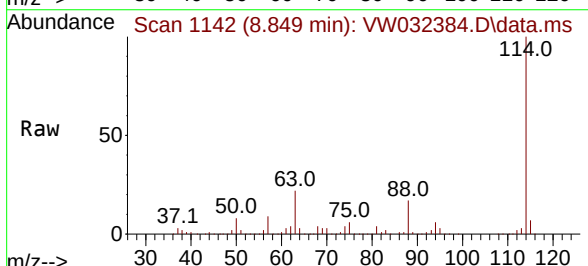
Tgt Ion: 114 Resp: 418533

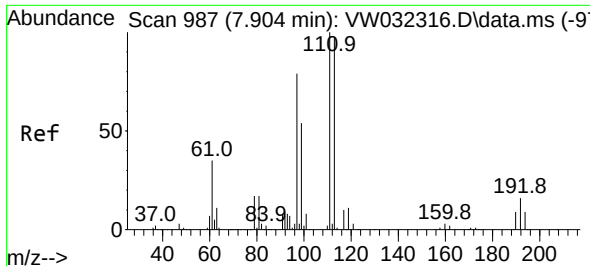
Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.4

88 16.6 0.0 32.0

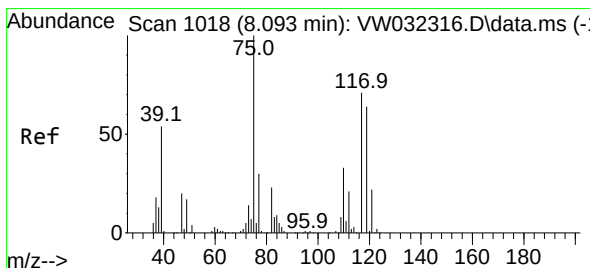
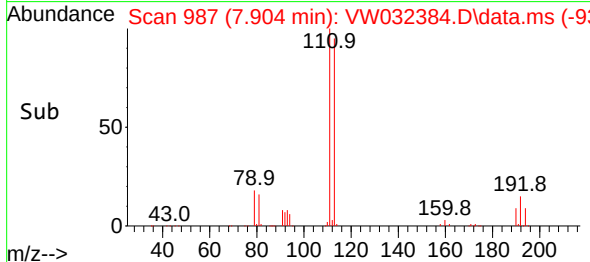
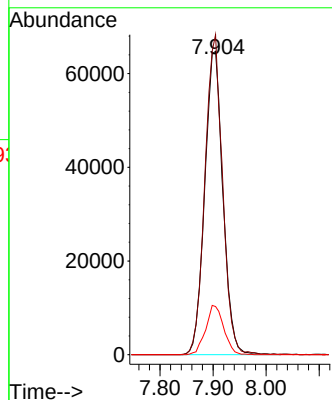
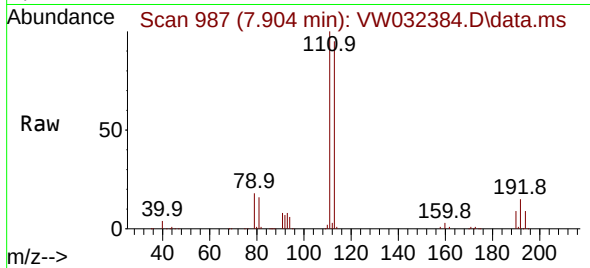




#35
Dibromofluoromethane
Concen: 57.031 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

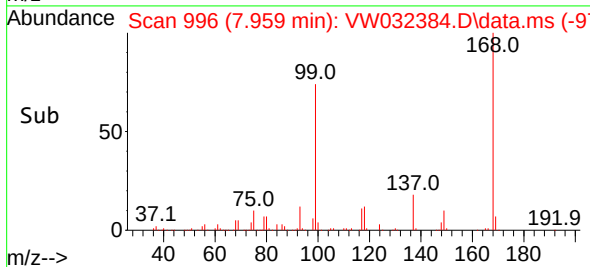
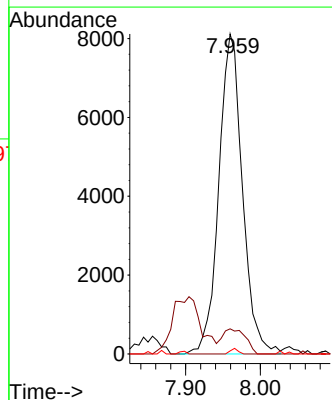
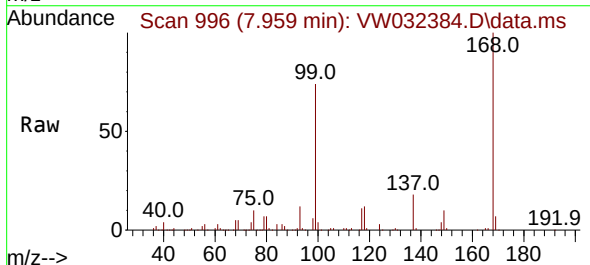
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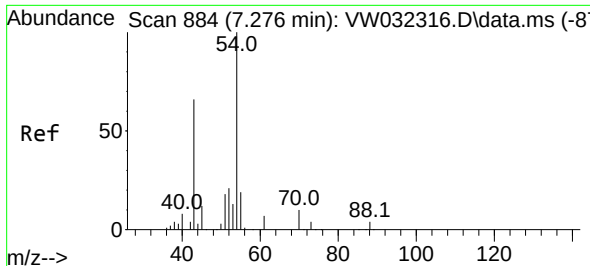
Tgt Ion:113 Resp: 154580
Ion Ratio Lower Upper
113 100
111 102.0 83.9 125.9
192 16.1 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 75 Resp: 17793
Ion Ratio Lower Upper
75 100
110 7.7 17.5 52.5#
77 0.6 24.1 36.1#

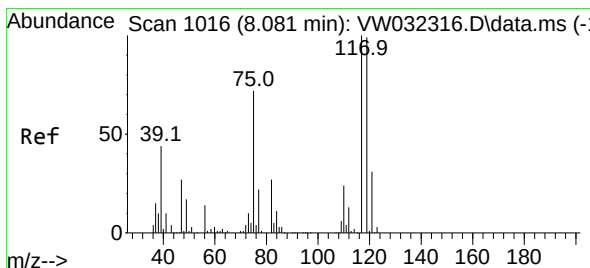
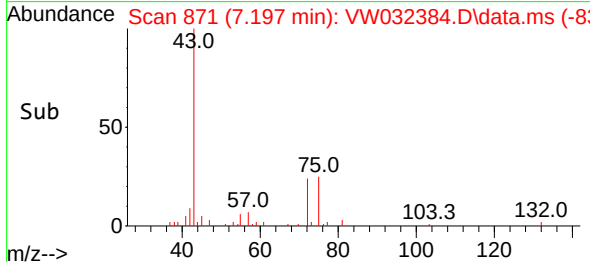
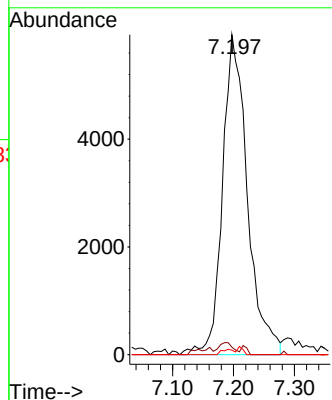
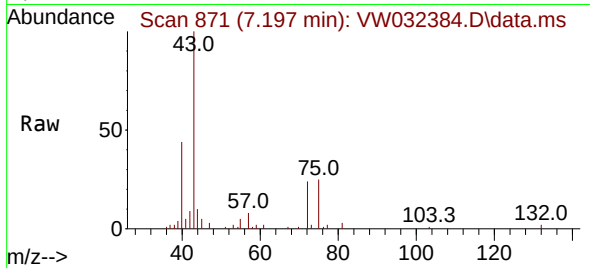




#37
Ethyl Acetate
Concen: 6.625 ug/l
RT: 7.197 min Scan# 81
Delta R.T. -0.079 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

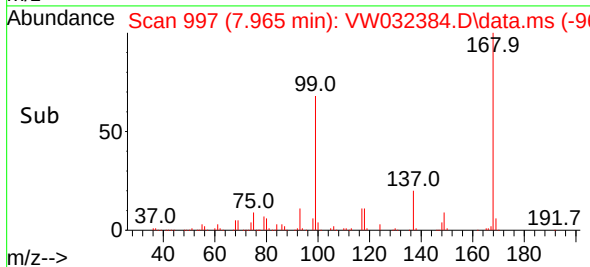
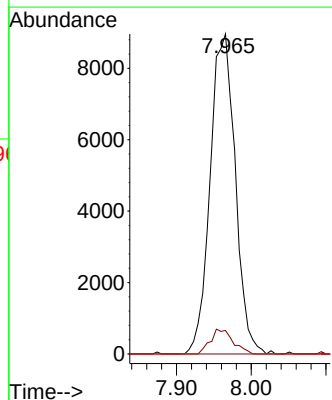
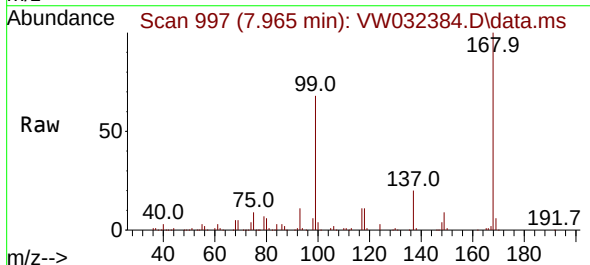
Instrument :
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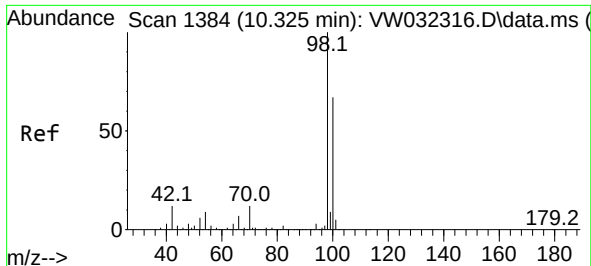
Tgt Ion: 43 Resp: 16869
Ion Ratio Lower Upper
43 100
61 2.2 11.3 16.9#
70 0.8 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.818 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 117 Resp: 20941
Ion Ratio Lower Upper
117 100
119 7.4 74.2 111.2#
121 0.0 25.6 38.4#

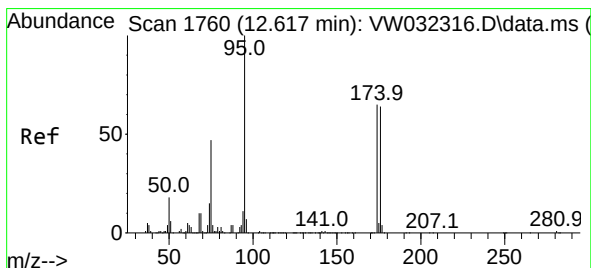
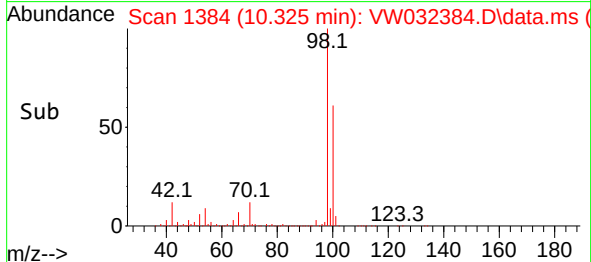
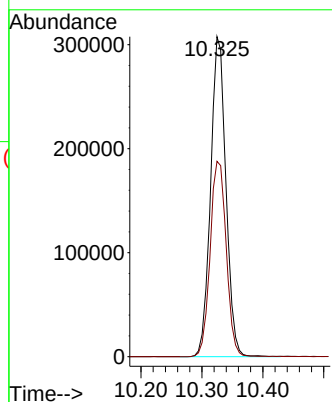
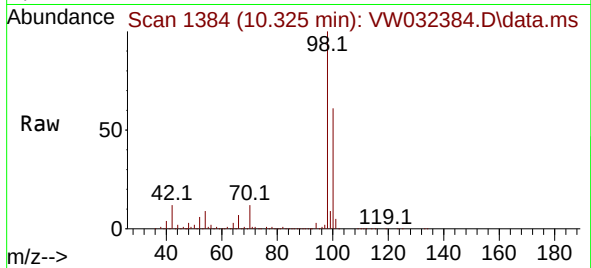




#50
Toluene-d8
Concen: 53.754 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

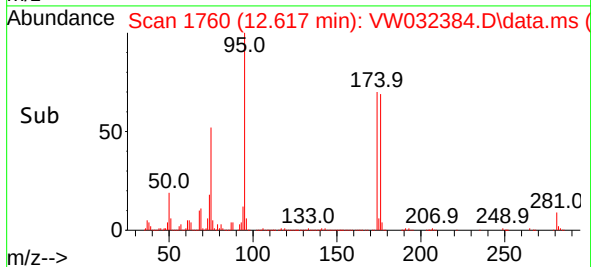
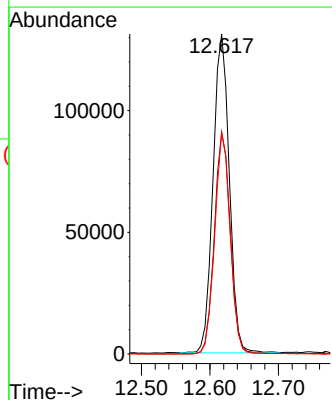
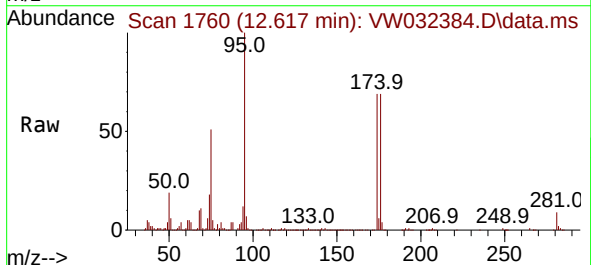
Instrument :
MSVOA_W
ClientSampleId :
PR132-S04-000013-20251016

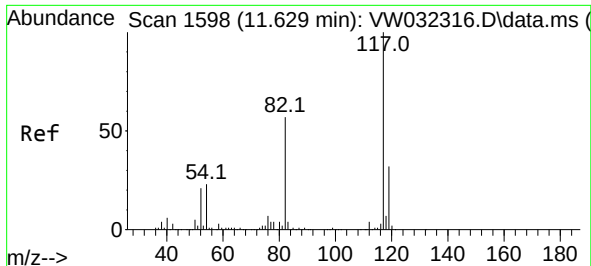
Tgt Ion: 98 Resp: 537738
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 57.180 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 95 Resp: 216201
Ion Ratio Lower Upper
95 100
174 68.2 0.0 145.6
176 65.9 0.0 140.8

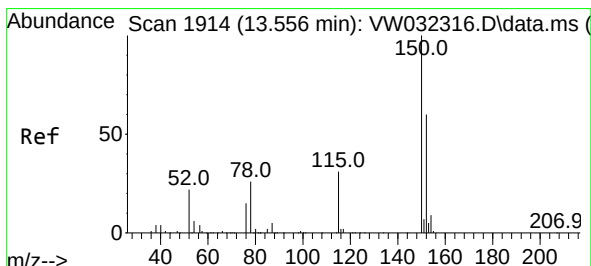
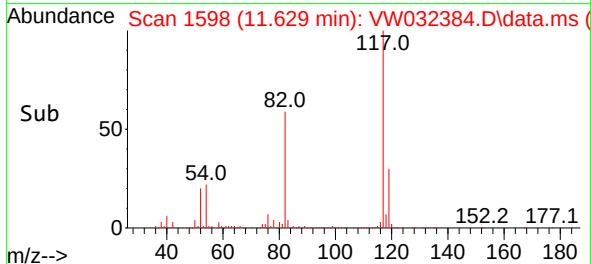
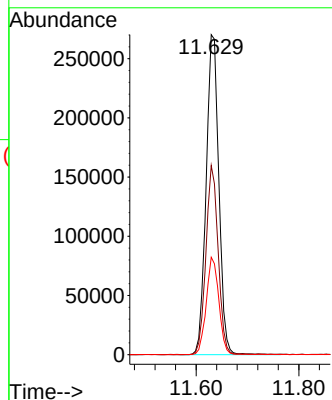
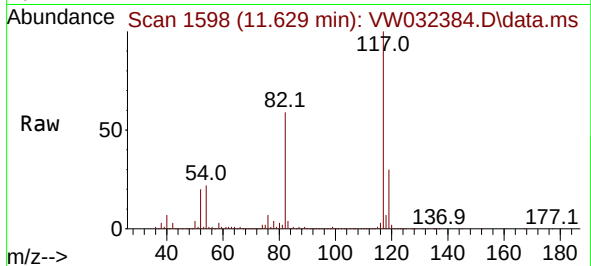




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

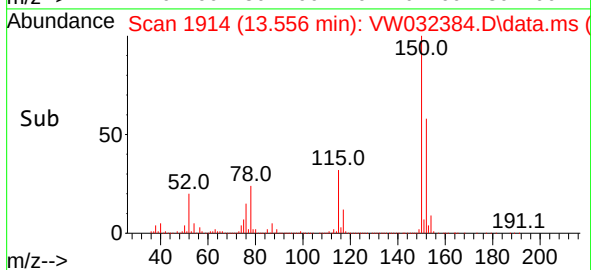
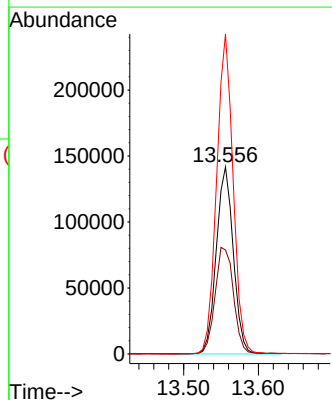
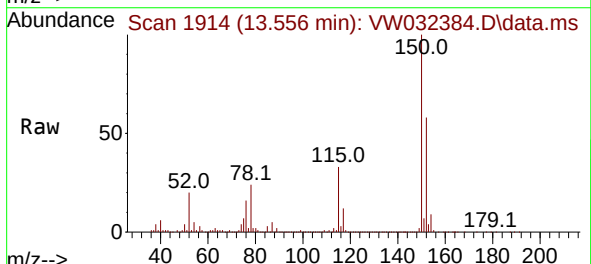
Instrument :
MSVOA_W
ClientSampleId :
PR132-S04-000013-20251016

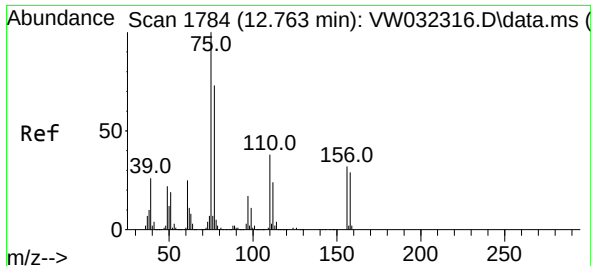
Tgt Ion:117 Resp: 462277
Ion Ratio Lower Upper
117 100
82 59.1 42.7 64.1
119 30.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion:152 Resp: 224932
Ion Ratio Lower Upper
152 100
115 61.3 31.8 95.4
150 165.2 0.0 343.0

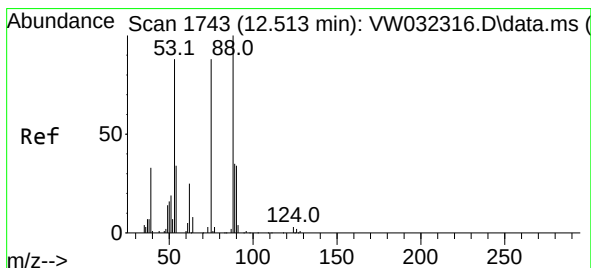
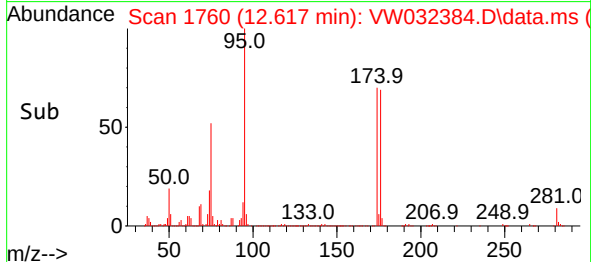
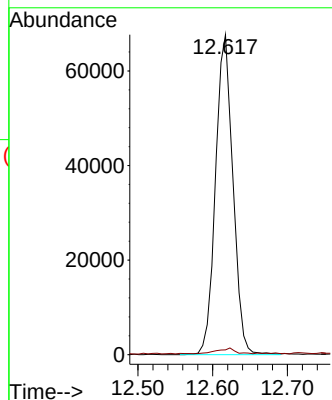
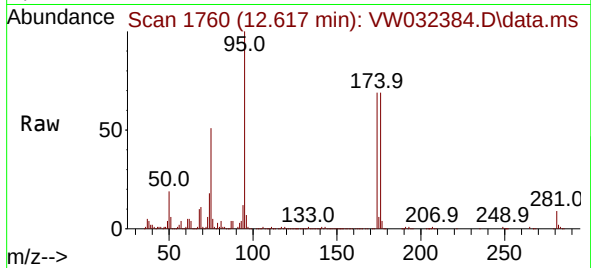




#76
1,2,3-Trichloropropane
Concen: 37.090 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Instrument :
MSVOA_W
ClientSampleId :
PR132-S04-000013-20251016

Tgt Ion: 75 Resp: 109785
Ion Ratio Lower Upper
75 100
77 1.8 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.958 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032384.D
Acq: 20 Oct 2025 13:29

Tgt Ion: 75 Resp: 109785
Ion Ratio Lower Upper
75 100
53 0.2 91.0 136.6#
89 0.1 39.4 59.2#

