

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032387.D
 Acq On : 20 Oct 2025 14:34
 Operator : SY/MD
 Sample : Q3375-05
 Misc : 3.08g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-DP02-20251016

Quant Time: Oct 21 01:27:30 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)

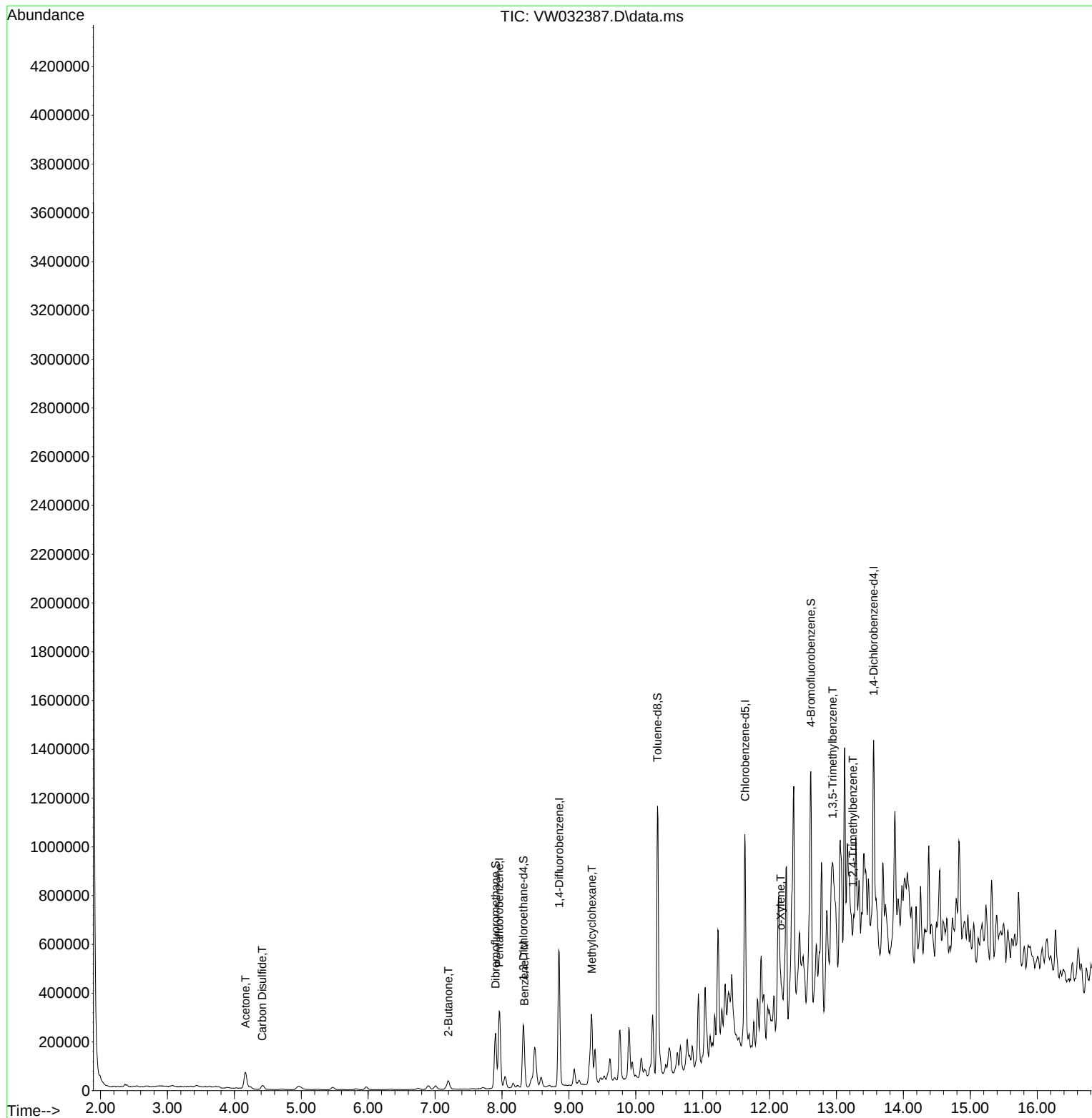
Internal Standards						
1) Pentafluorobenzene	7.959	168	213761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	486286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	482157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	228053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	198322	63.609	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 127.220%			
35) Dibromofluoromethane	7.904	113	169599	53.854	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 107.700%			
50) Toluene-d8	10.325	98	625346	53.802	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.600%			
62) 4-Bromofluorobenzene	12.617	95	276243	62.880	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 125.760%			
Target Compounds						Qvalue
16) Acetone	4.167	43	130443	151.097	ug/l	98
17) Carbon Disulfide	4.417	76	40903	6.223	ug/l	99
25) 2-Butanone	7.197	43	54614	46.449	ug/l	97
39) Methylcyclohexane	9.343	83	80949	15.100	ug/l #	86
40) Benzene	8.337	78	36885	2.648	ug/l	95
69) o-Xylene	12.166	106	30215	4.738	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	28838	2.138	ug/l	94
84) 1,2,4-Trimethylbenzene	13.245	105	32653	2.380	ug/l	97

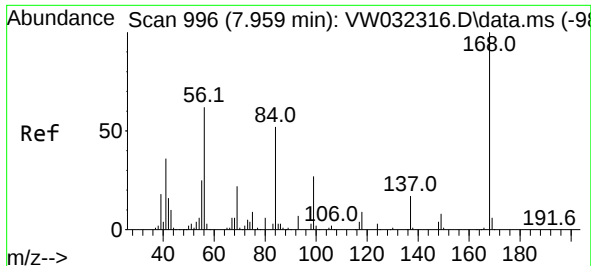
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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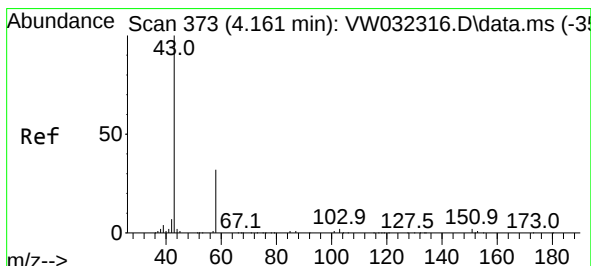
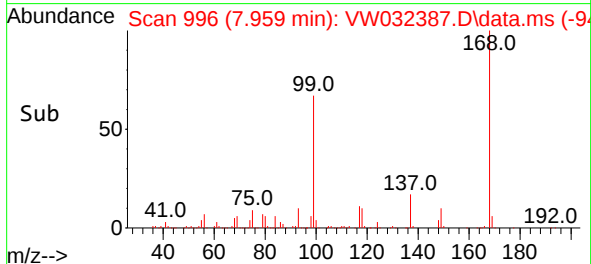
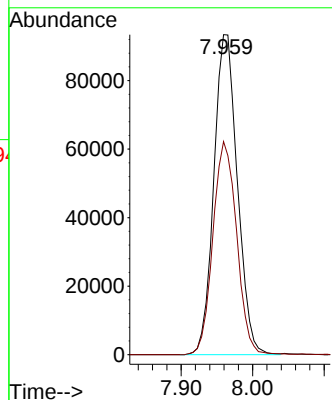
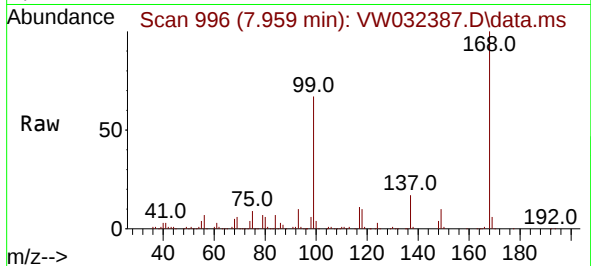




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

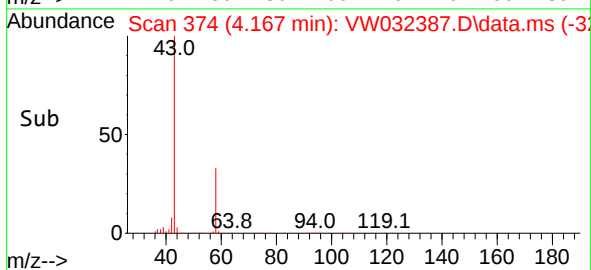
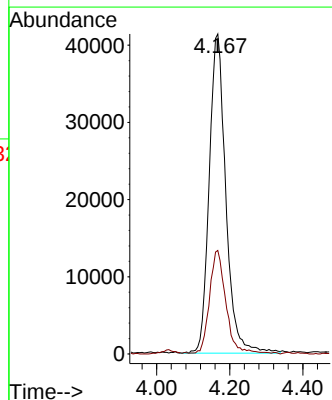
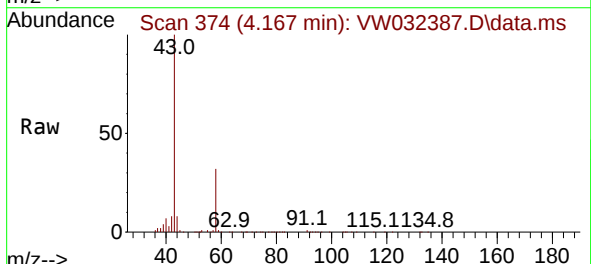
Instrument :
MSVOA_W
ClientSampleId :
PR132-DP02-20251016

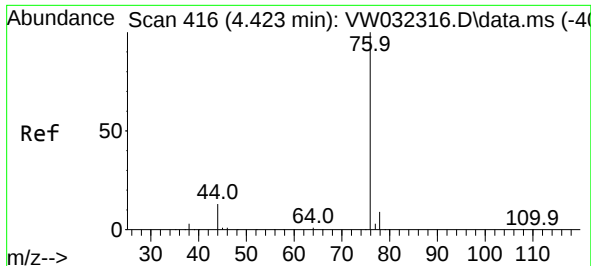
Tgt Ion:168 Resp: 213761
Ion Ratio Lower Upper
168 100
99 66.6 49.3 73.9



#16
Acetone
Concen: 151.097 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

Tgt Ion: 43 Resp: 130443
Ion Ratio Lower Upper
43 100
58 32.4 25.3 37.9

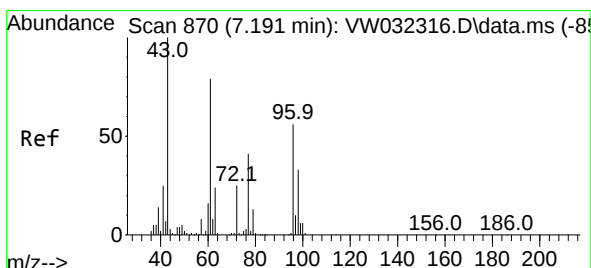
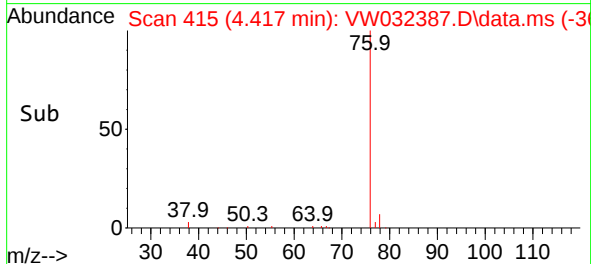
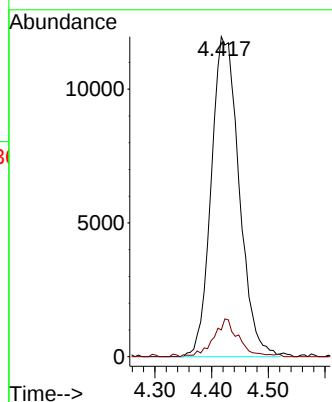
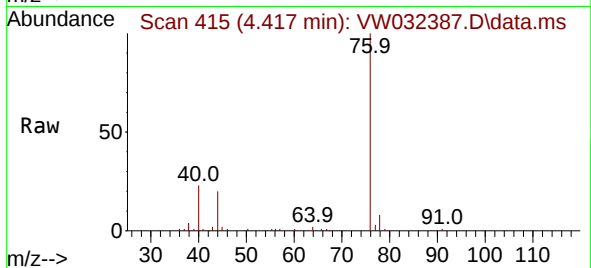




#17
Carbon Disulfide
Concen: 6.223 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

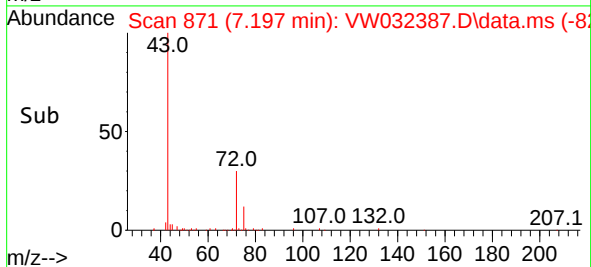
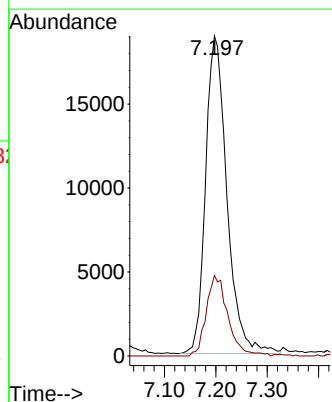
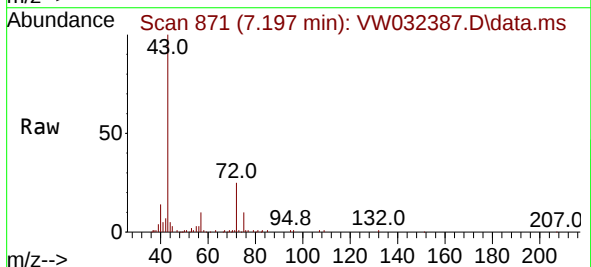
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MSVOA_W
ClientSampleId :
PR132-DP02-20251016

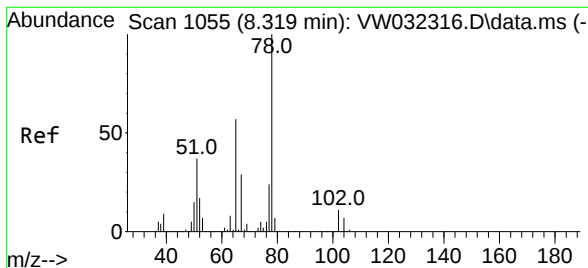
Tgt Ion: 76 Resp: 40903
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



#25
2-Butanone
Concen: 46.449 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

Tgt Ion: 43 Resp: 54614
Ion Ratio Lower Upper
43 100
72 25.3 21.4 32.2





#33

1,2-Dichloroethane-d4

Concen: 63.609 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032387.D

Acq: 20 Oct 2025 14:34

Instrument :

MSVOA_W

ClientSampleId :

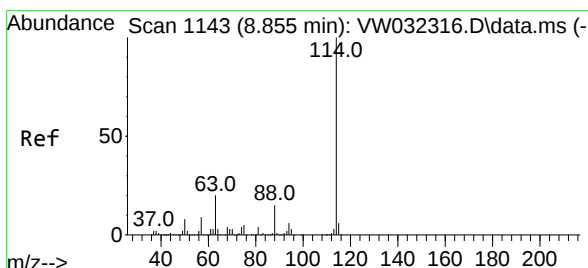
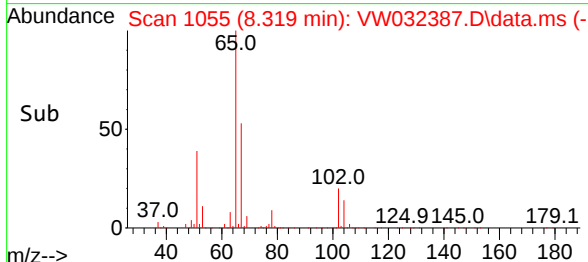
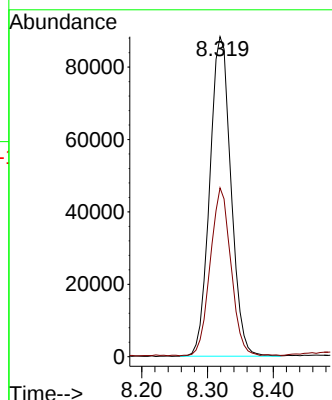
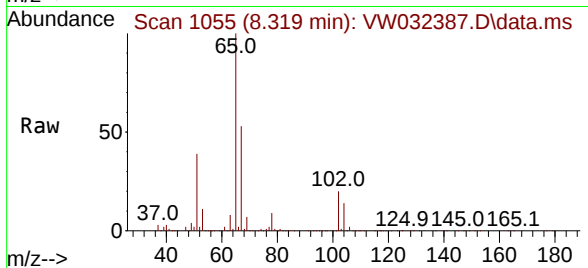
PR132-DP02-20251016

Tgt Ion: 65 Resp: 198322

Ion Ratio Lower Upper

65 100

67 51.2 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: VW032387.D

Acq: 20 Oct 2025 14:34

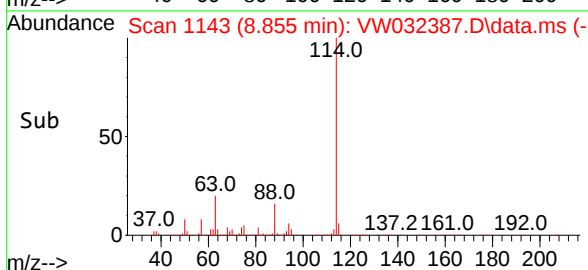
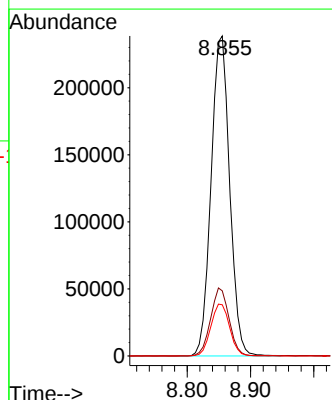
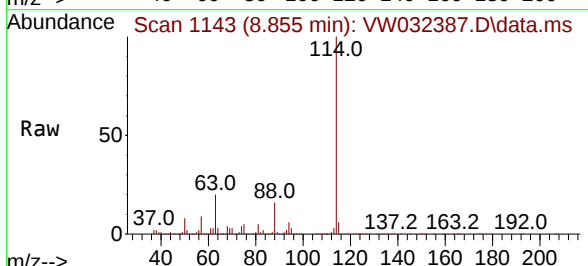
Tgt Ion: 114 Resp: 486286

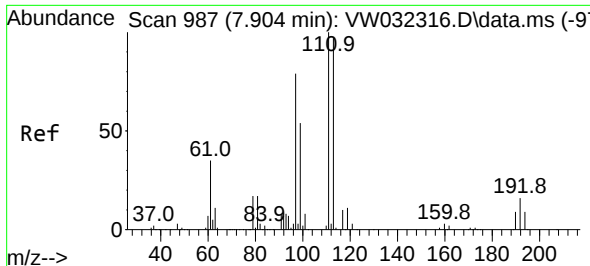
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

88 16.0 0.0 32.0

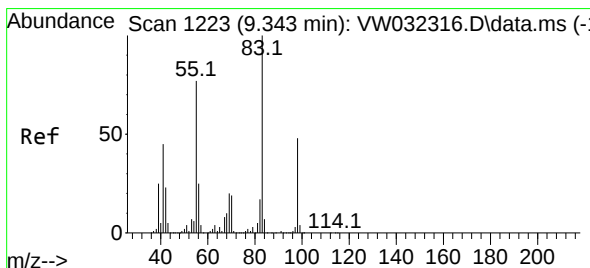
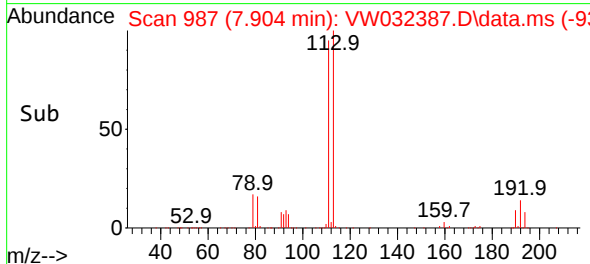
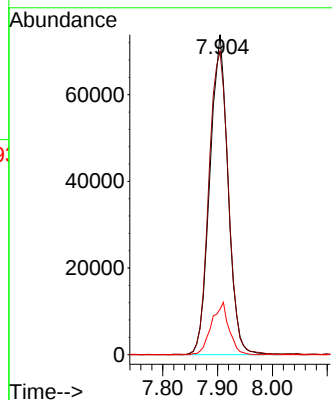
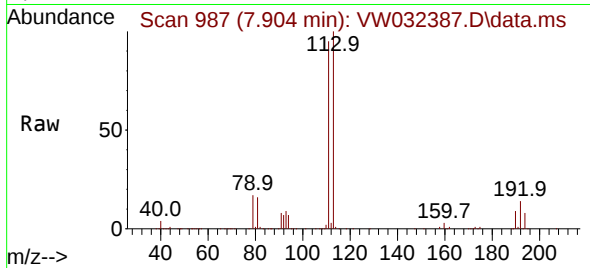




#35
 Dibromofluoromethane
 Concen: 53.854 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032387.D
 Acq: 20 Oct 2025 14:34

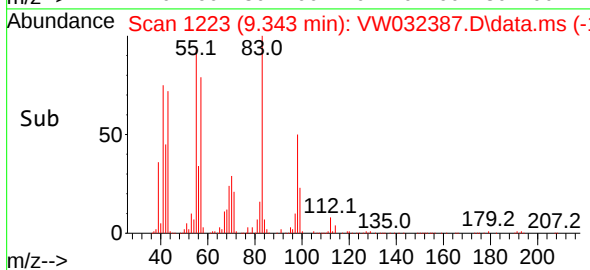
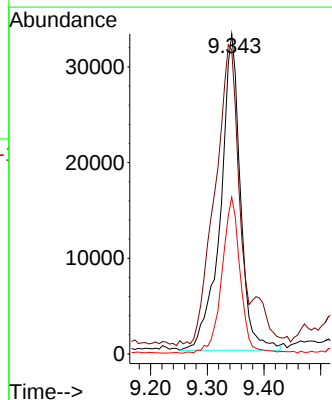
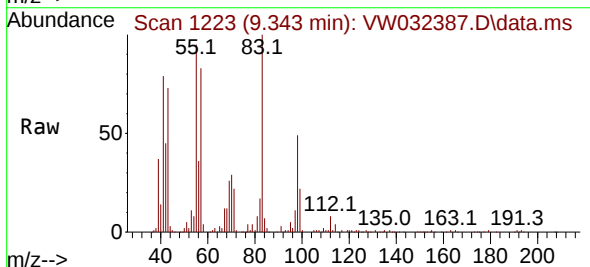
Instrument :
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 ClientSampleId :
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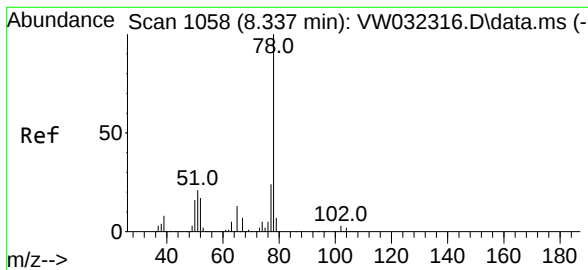
Tgt Ion:113 Resp: 169599
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.9 125.9
 192 15.8 14.6 21.8



#39
 Methylcyclohexane
 Concen: 15.100 ug/l
 RT: 9.343 min Scan# 1223
 Delta R.T. -0.000 min
 Lab File: VW032387.D
 Acq: 20 Oct 2025 14:34

Tgt Ion: 83 Resp: 80949
 Ion Ratio Lower Upper
 83 100
 55 92.0 58.4 87.6#
 98 49.2 39.4 59.2





#40

Benzene

Concen: 2.648 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032387.D

Acq: 20 Oct 2025 14:34

Instrument :

MSVOA_W

ClientSampleId :

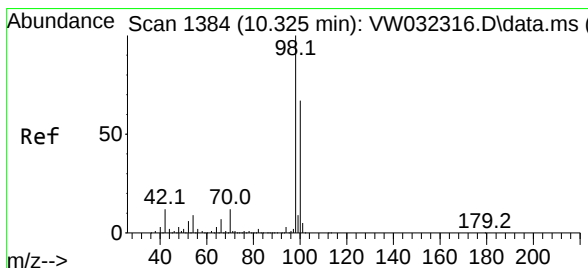
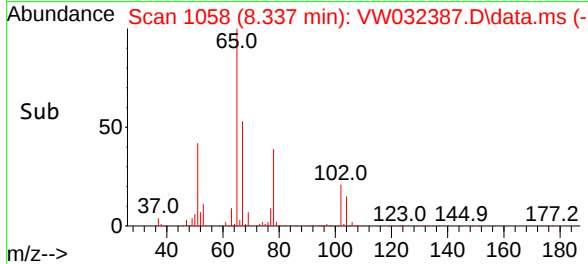
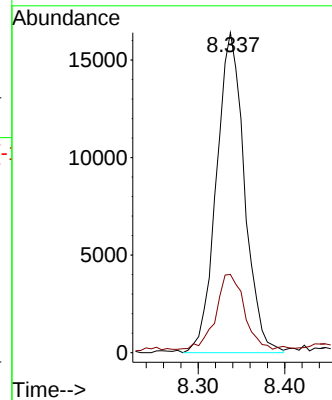
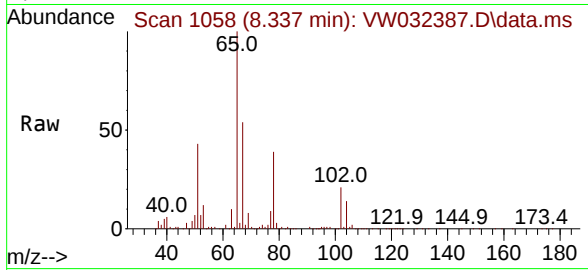
PR132-DP02-20251016

Tgt Ion: 78 Resp: 36885

Ion Ratio Lower Upper

78 100

77 23.2 20.7 31.1



#50

Toluene-d8

Concen: 53.802 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032387.D

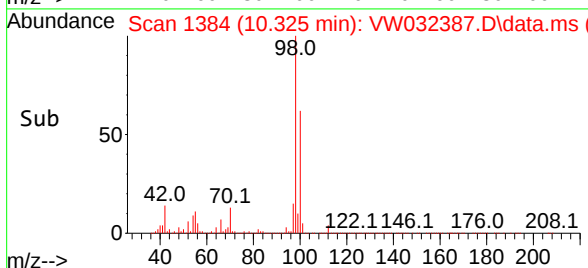
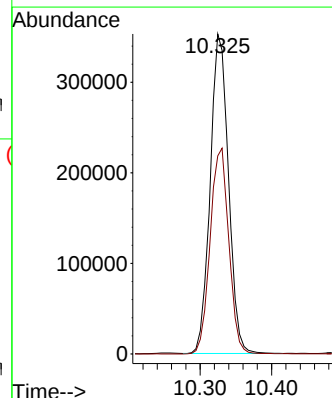
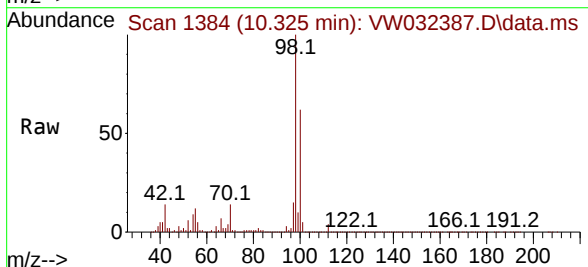
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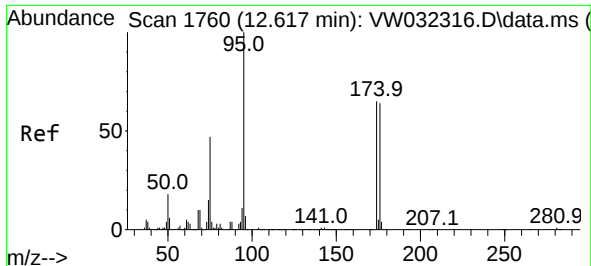
Tgt Ion: 98 Resp: 625346

Ion Ratio Lower Upper

98 100

100 65.9 51.4 77.2

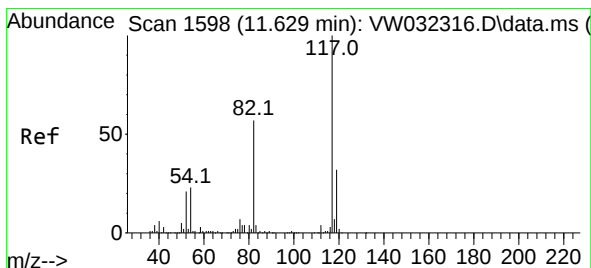
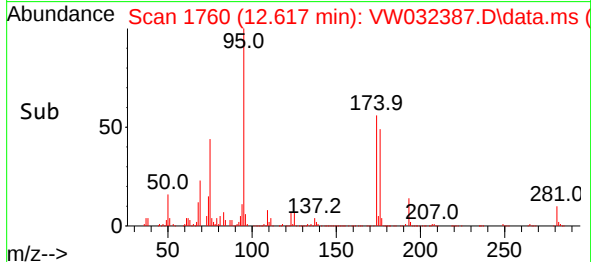
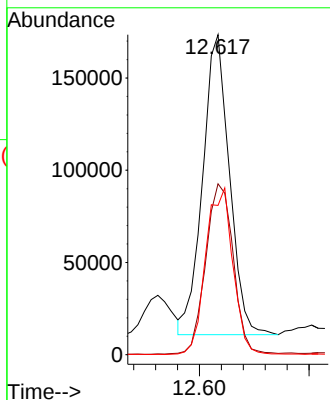
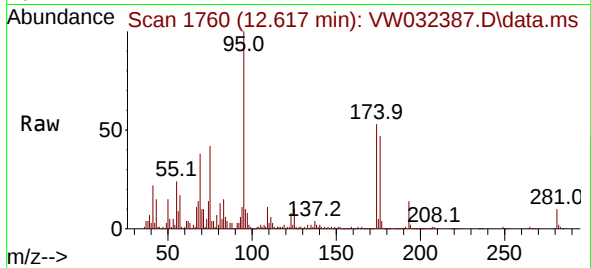




#62
4-Bromofluorobenzene
Concen: 62.880 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

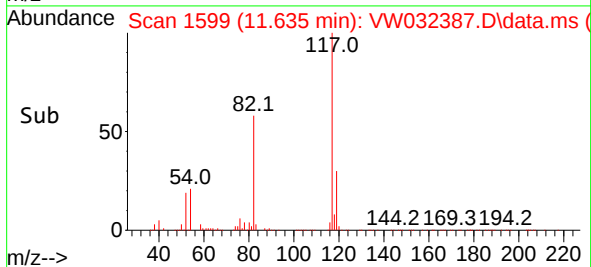
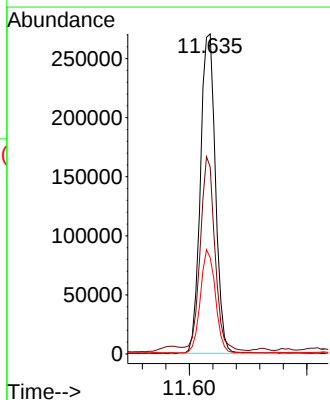
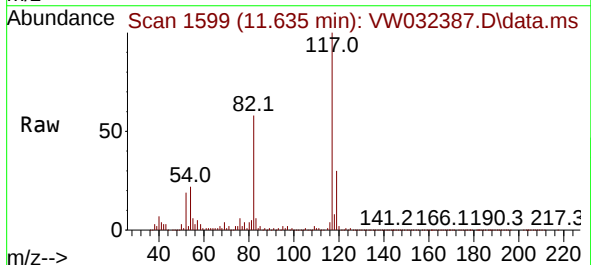
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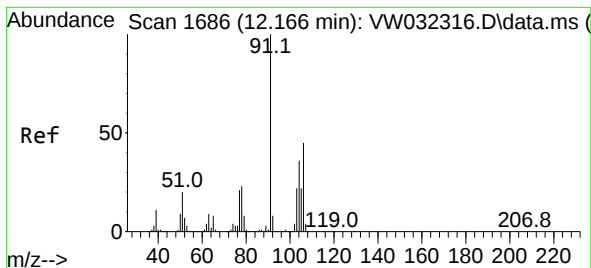
Tgt Ion: 95 Resp: 276243
Ion Ratio Lower Upper
95 100
174 58.5 0.0 145.6
176 56.3 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

Tgt Ion: 117 Resp: 482157
Ion Ratio Lower Upper
117 100
82 57.3 42.7 64.1
119 29.8 25.2 37.8





#69

o-Xylene

Concen: 4.738 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032387.D

Acq: 20 Oct 2025 14:34

Instrument :

MSVOA_W

ClientSampleId :

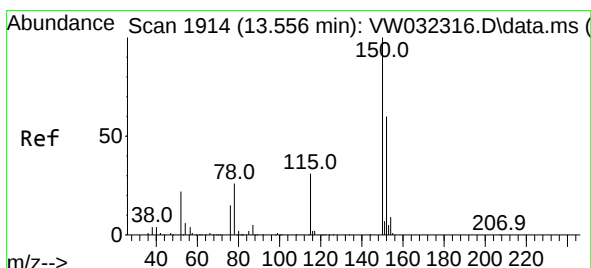
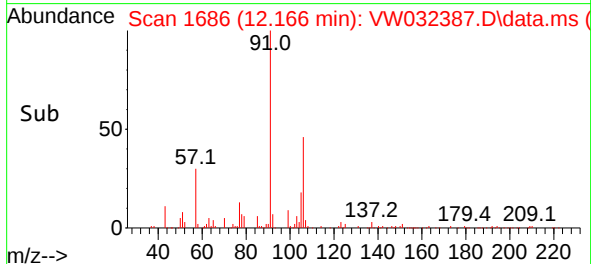
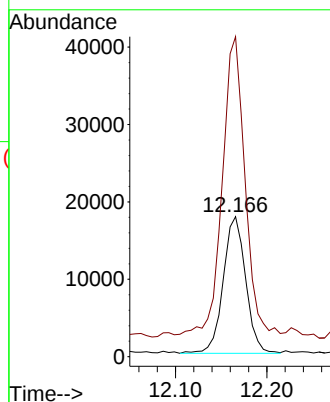
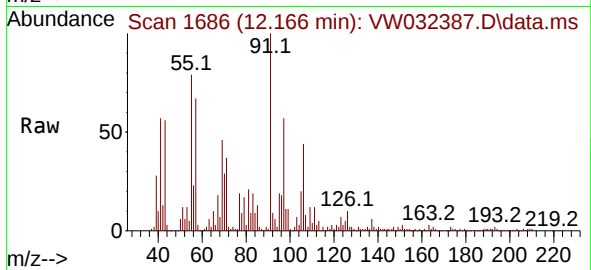
PR132-DP02-20251016

Tgt Ion:106 Resp: 30215

Ion Ratio Lower Upper

106 100

91 217.8 108.7 326.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032387.D

Acq: 20 Oct 2025 14:34

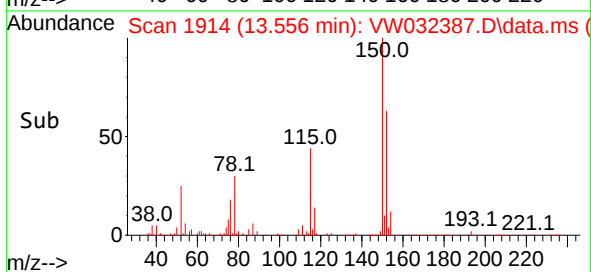
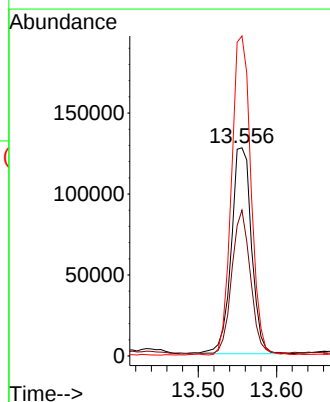
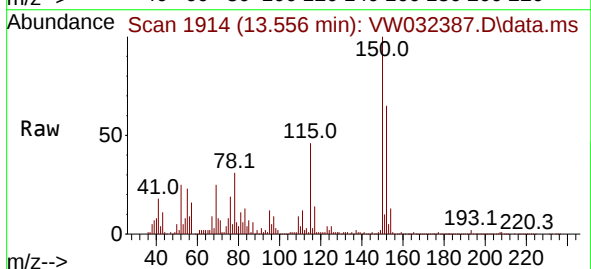
Tgt Ion:152 Resp: 228053

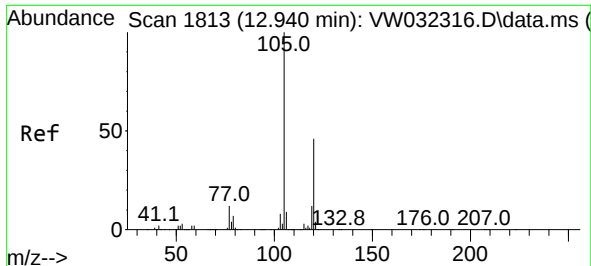
Ion Ratio Lower Upper

152 100

115 63.3 31.8 95.4

150 148.7 0.0 343.0

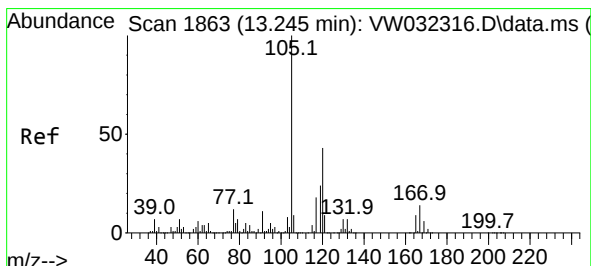
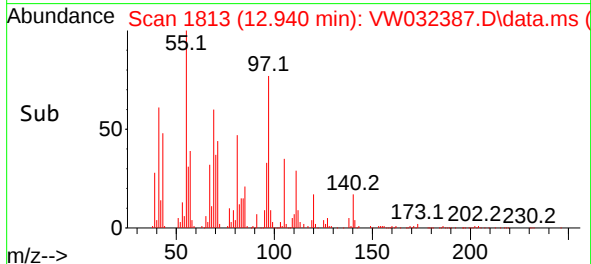
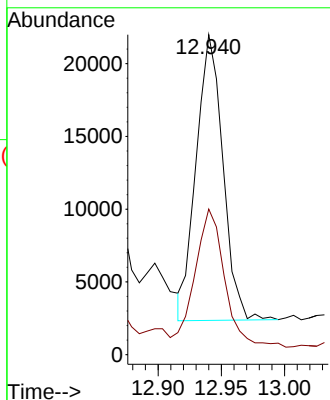
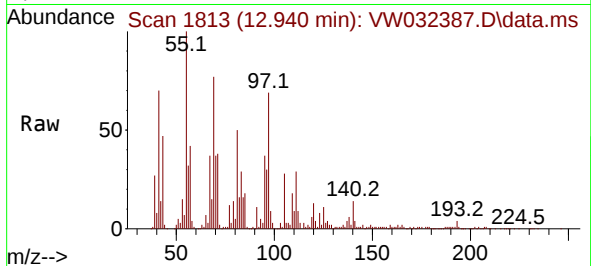




#80
1,3,5-Trimethylbenzene
Concen: 2.138 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

Instrument :
MSVOA_W
ClientSampleId :
PR132-DP02-20251016

Tgt Ion:105 Resp: 28838
Ion Ratio Lower Upper
105 100
120 53.5 24.8 74.4



#84
1,2,4-Trimethylbenzene
Concen: 2.380 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032387.D
Acq: 20 Oct 2025 14:34

Tgt Ion:105 Resp: 32653
Ion Ratio Lower Upper
105 100
120 42.4 22.1 66.3

