

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032388.D
 Acq On : 20 Oct 2025 14:56
 Operator : SY/MD
 Sample : Q3376-01
 Misc : 5.56g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S05-057082-20251016

Quant Time: Oct 21 01:28:00 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)

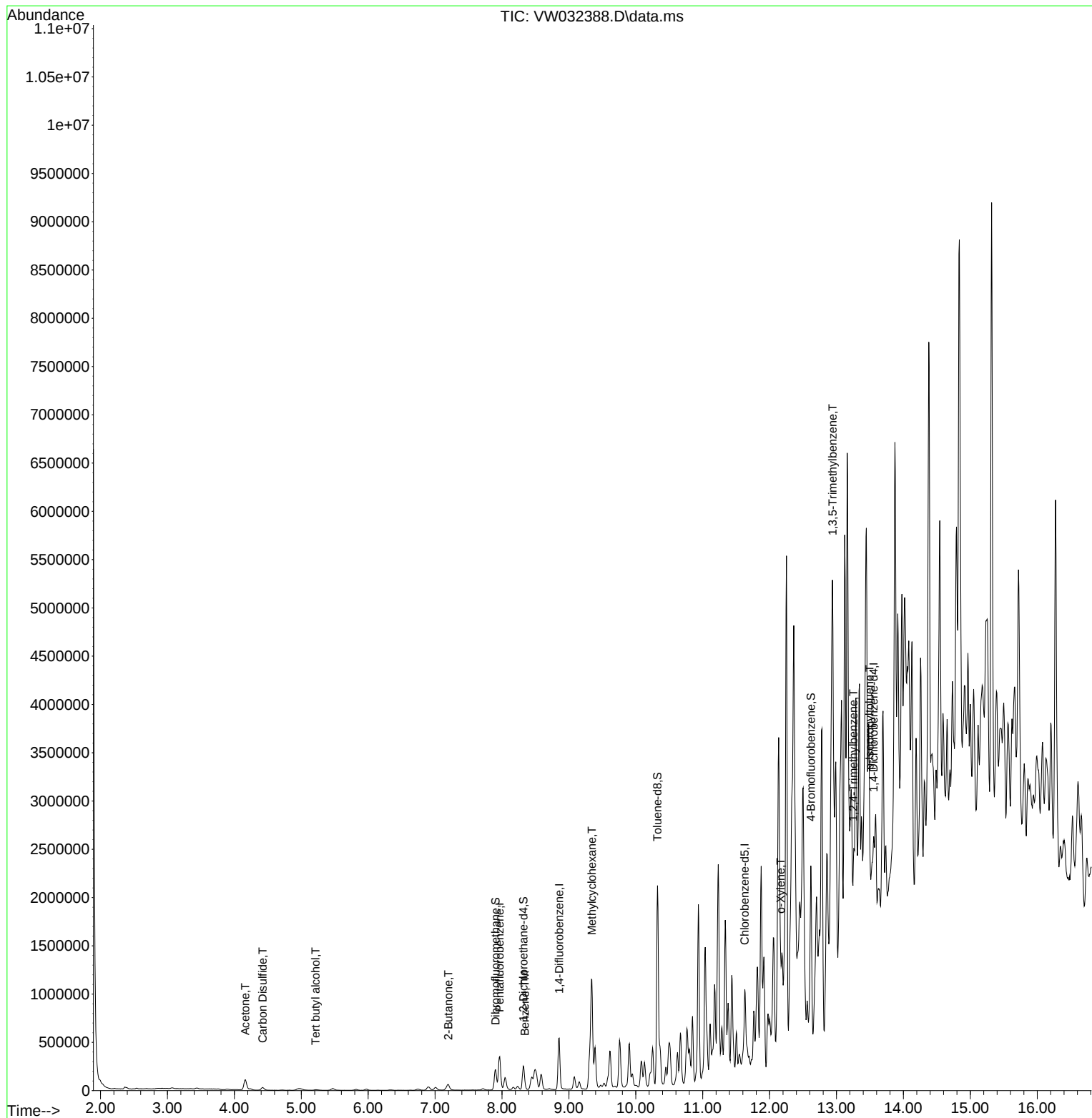
Internal Standards						
1) Pentafluorobenzene	7.965	168	204641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	455902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	429083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	193724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	188232	63.063	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 126.120%		
35) Dibromofluoromethane	7.904	113	162737	55.119	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.240%		
50) Toluene-d8	10.324	98	641572	58.876	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 117.760%		
62) 4-Bromofluorobenzene	12.617	95	266076	64.602	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 129.200%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.215	59	11037	48.851	ug/l	97
16) Acetone	4.161	43	203235	245.906	ug/l	99
17) Carbon Disulfide	4.423	76	66037	10.494	ug/l	96
25) 2-Butanone	7.197	43	85247	75.734	ug/l	96
39) Methylcyclohexane	9.343	83	404116	80.404	ug/l	92
40) Benzene	8.343	78	32626	2.498	ug/l	99
69) o-Xylene	12.165	106	44399m	7.824	ug/l	
80) 1,3,5-Trimethylbenzene	12.940	105	146996	12.826	ug/l	97
84) 1,2,4-Trimethylbenzene	13.251	105	133841	11.485	ug/l	100
86) p-Isopropyltoluene	13.494	119	50356	4.223	ug/l	92

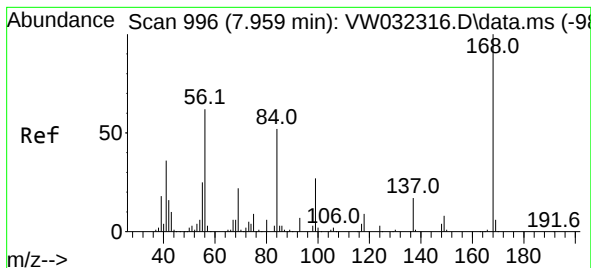
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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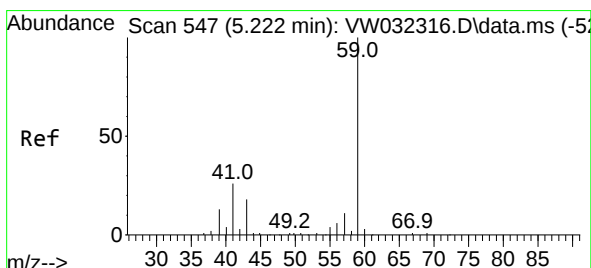
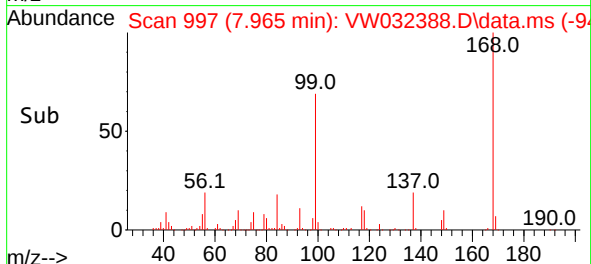
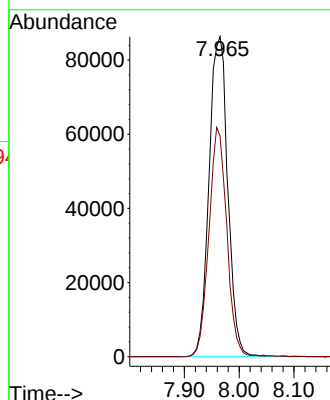
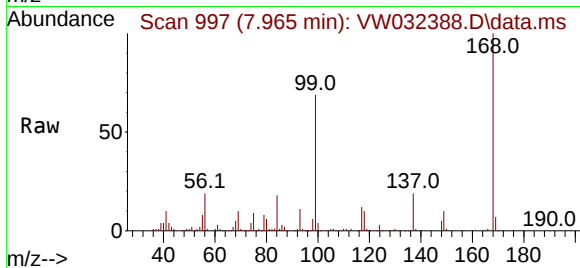




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

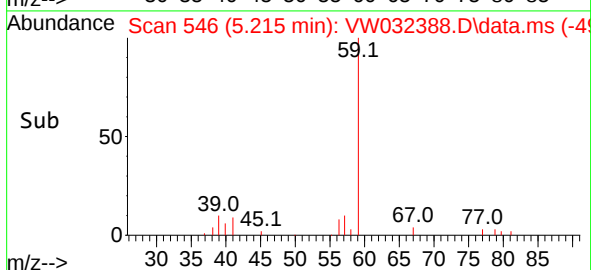
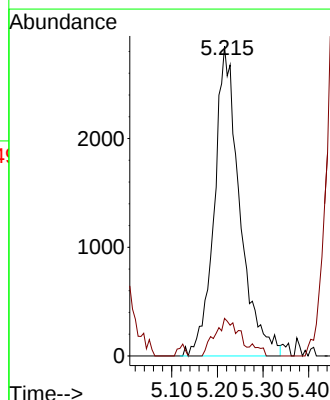
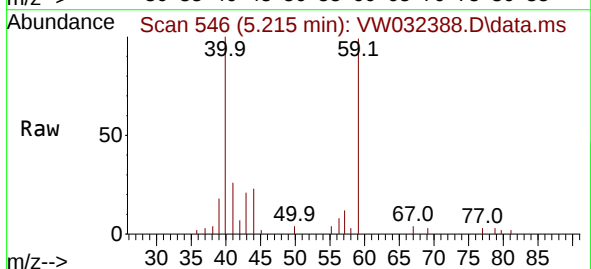
Instrument :
MSVOA_W
ClientSampleId :
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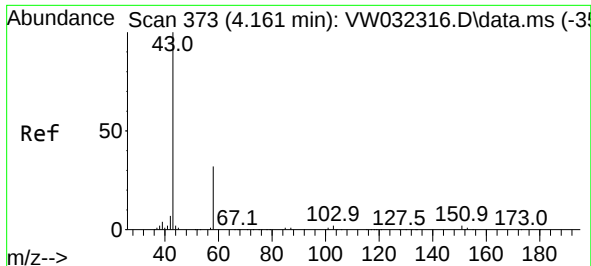
Tgt Ion:168 Resp: 204641
Ion Ratio Lower Upper
168 100
99 69.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 48.851 ug/l
RT: 5.215 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 59 Resp: 11037
Ion Ratio Lower Upper
59 100
57 11.0 9.8 14.6

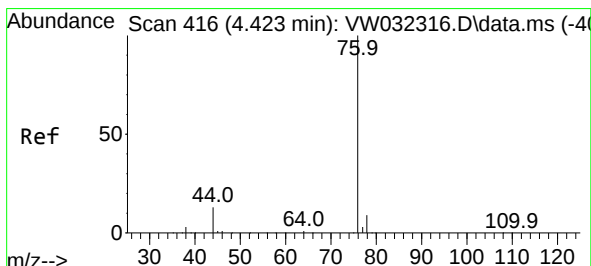
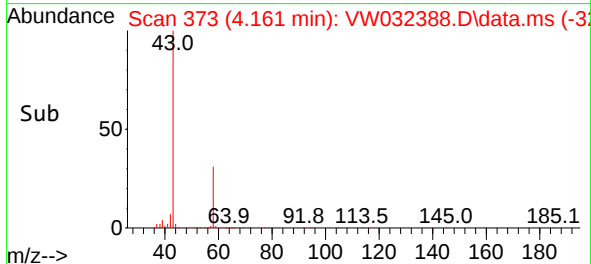
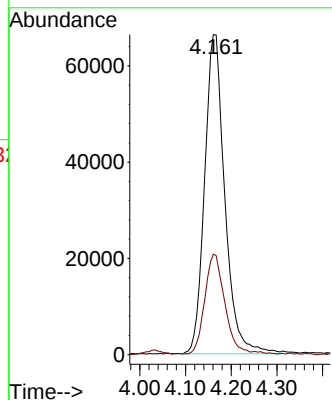
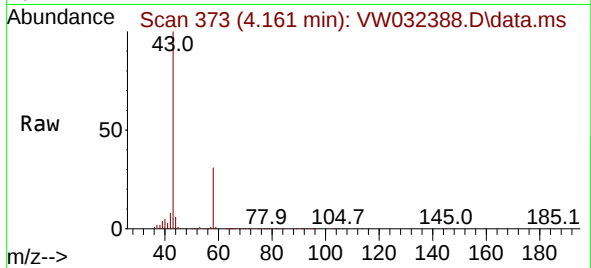




#16
Acetone
Concen: 245.906 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

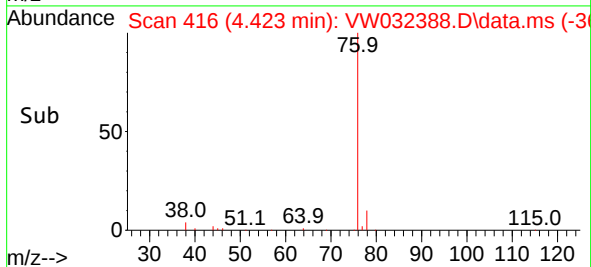
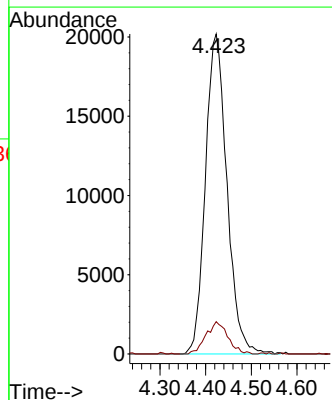
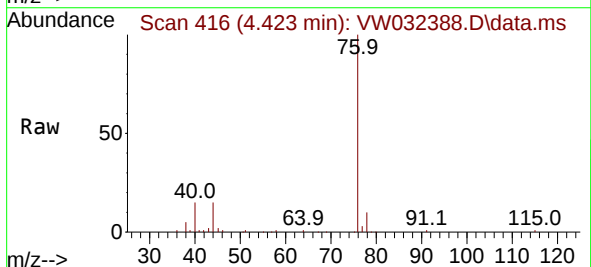
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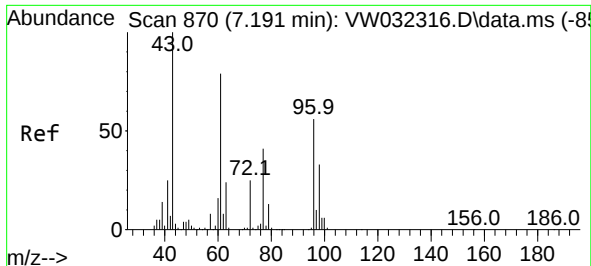
Tgt Ion: 43 Resp: 203235
Ion Ratio Lower Upper
43 100
58 31.1 25.3 37.9



#17
Carbon Disulfide
Concen: 10.494 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 76 Resp: 66037
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.6

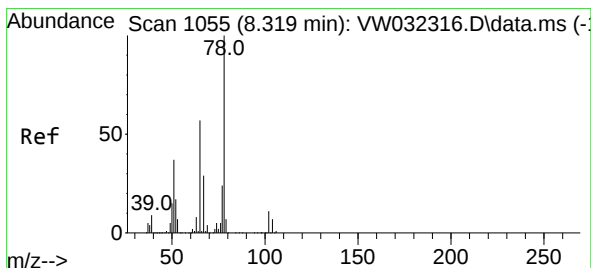
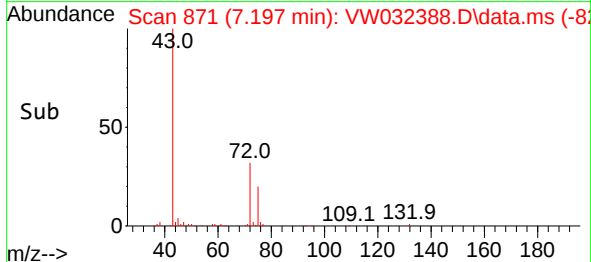
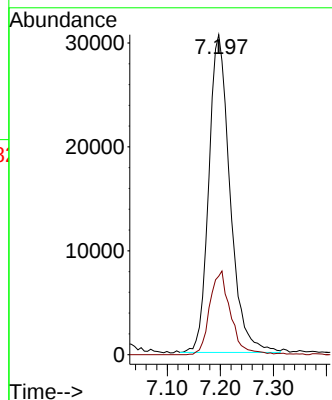
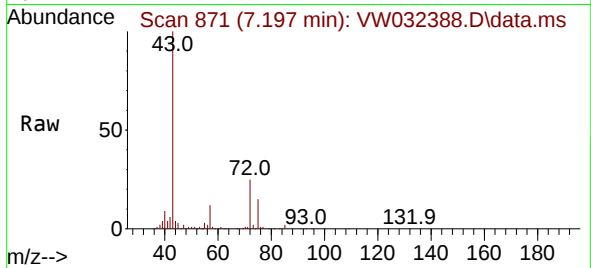




#25
2-Butanone
Concen: 75.734 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

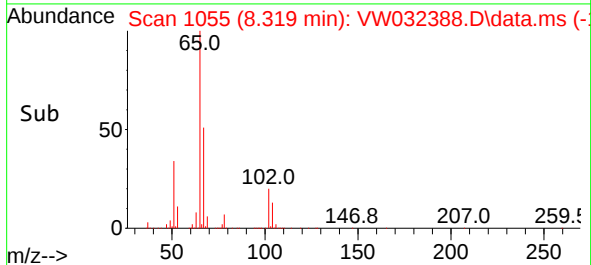
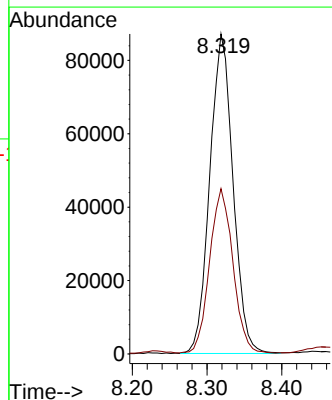
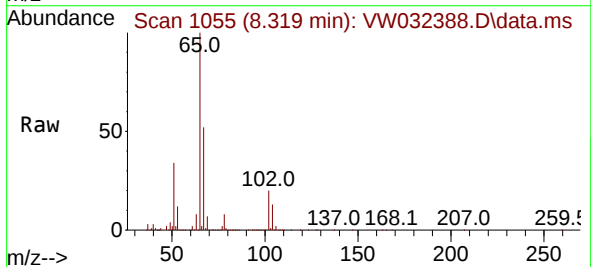
Instrument :
MSVOA_W
ClientSampleId :
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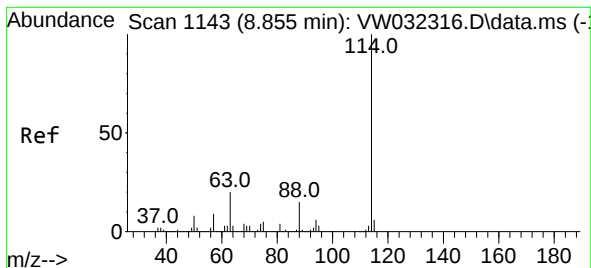
Tgt Ion: 43 Resp: 85247
Ion Ratio Lower Upper
43 100
72 24.7 21.4 32.2



#33
1,2-Dichloroethane-d4
Concen: 63.063 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 65 Resp: 188232
Ion Ratio Lower Upper
65 100
67 51.6 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: VW032388.D

Acq: 20 Oct 2025 14:56

Instrument :

MSVOA_W

ClientSampleId :

PR132-S05-057082-20251016

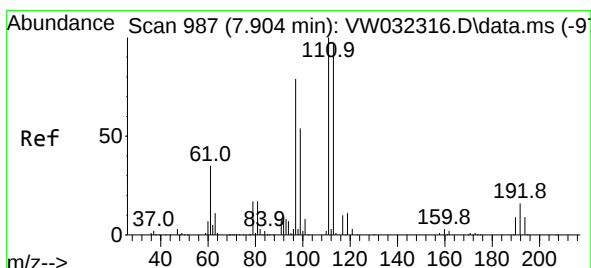
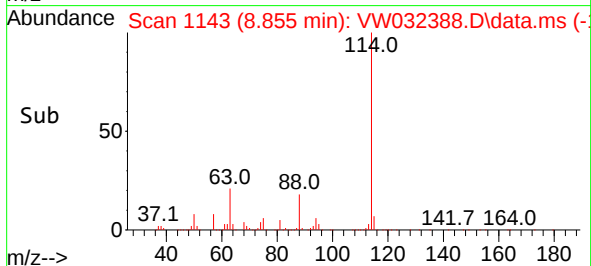
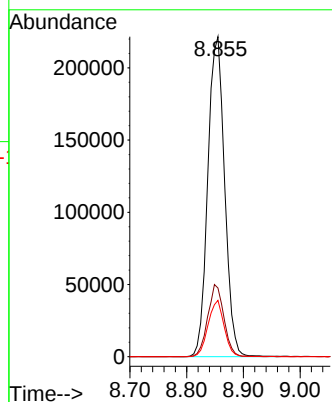
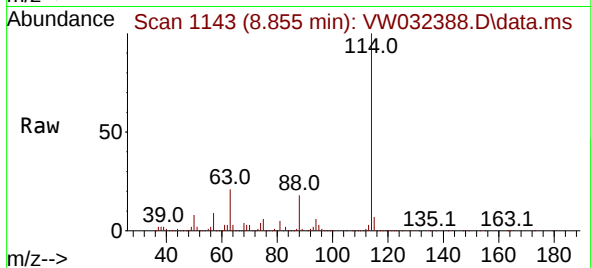
Tgt Ion:114 Resp: 455902

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.4

88 17.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 55.119 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032388.D

Acq: 20 Oct 2025 14:56

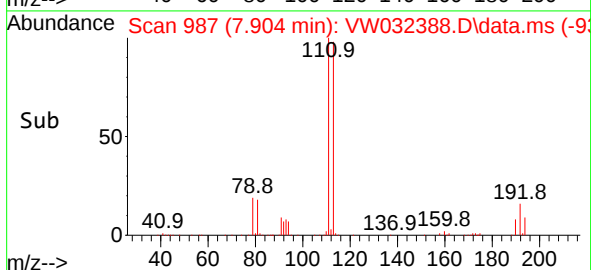
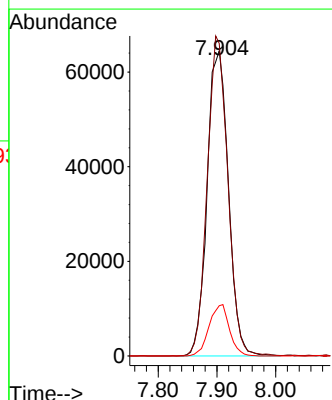
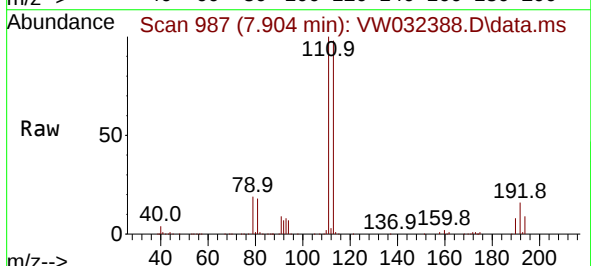
Tgt Ion:113 Resp: 162737

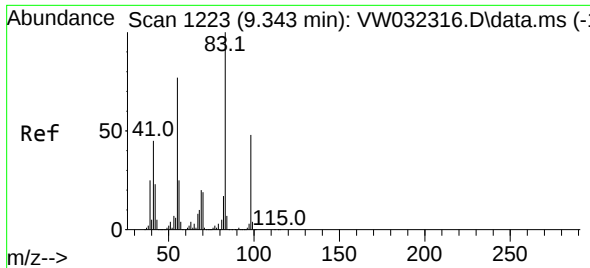
Ion Ratio Lower Upper

113 100

111 101.3 83.9 125.9

192 16.1 14.6 21.8

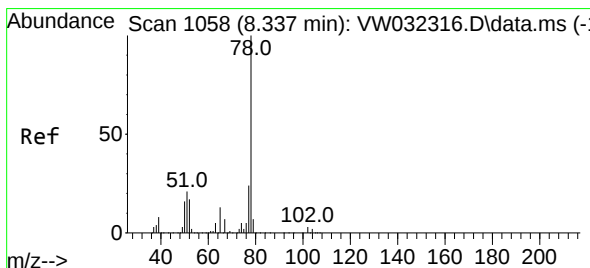
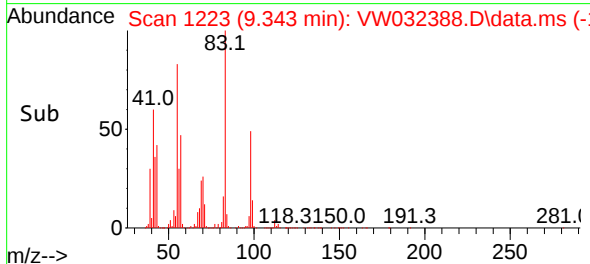
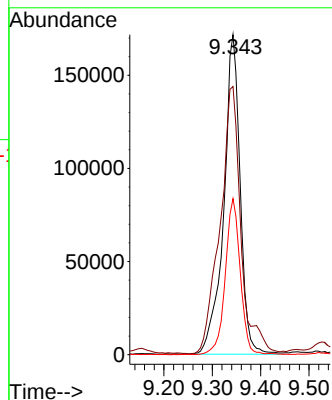
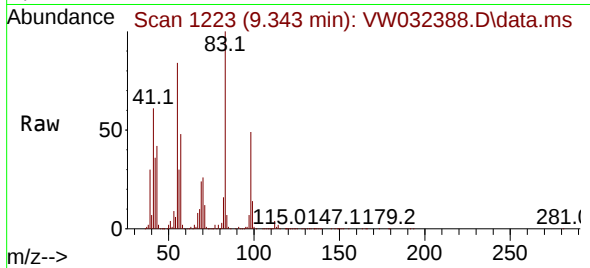




#39
Methylcyclohexane
Concen: 80.404 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

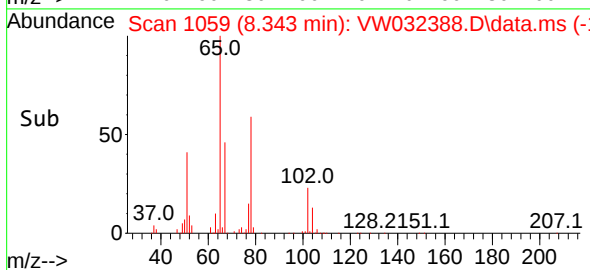
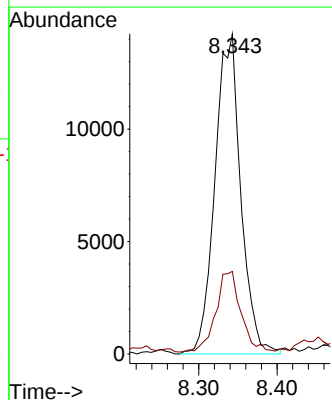
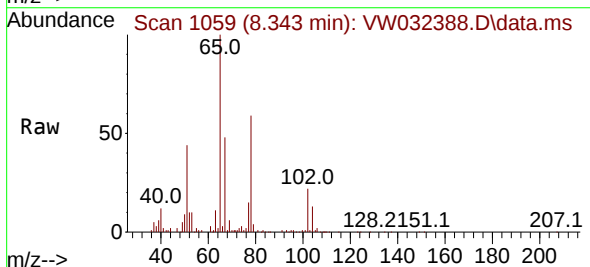
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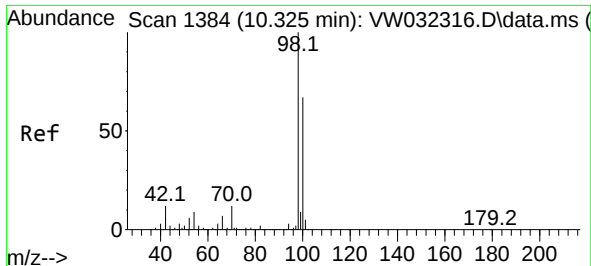
Tgt Ion:	83	Resp:	404116
Ion	Ratio	Lower	Upper
83	100		
55	83.4	58.4	87.6
98	48.8	39.4	59.2



#40
Benzene
Concen: 2.498 ug/l
RT: 8.343 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:	78	Resp:	32626
Ion	Ratio	Lower	Upper
78	100		
77	25.2	20.7	31.1

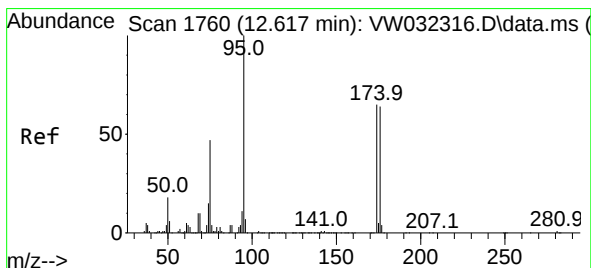
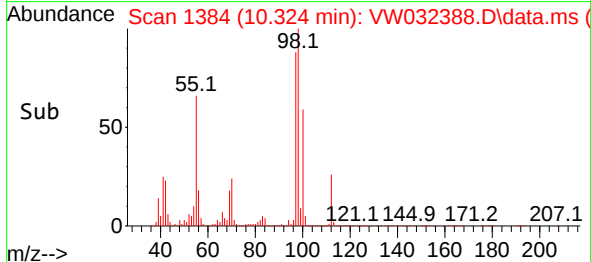
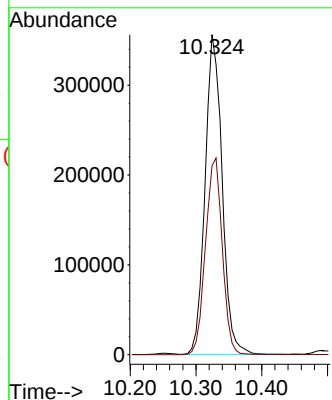
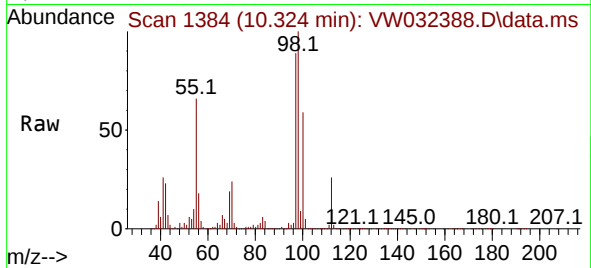




#50
Toluene-d8
Concen: 58.876 ug/l
RT: 10.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

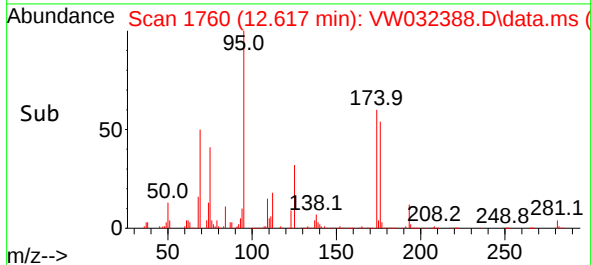
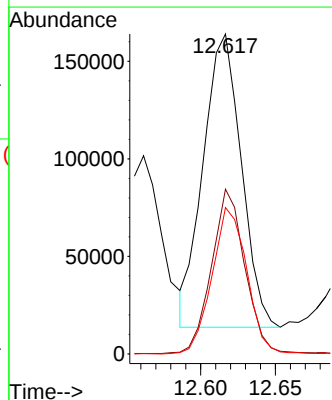
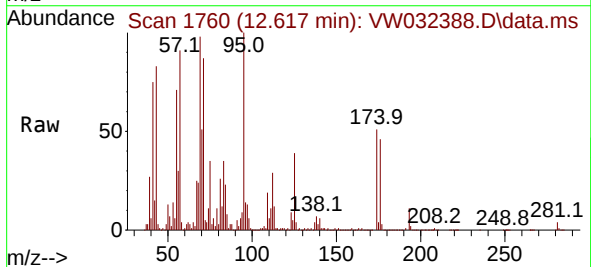
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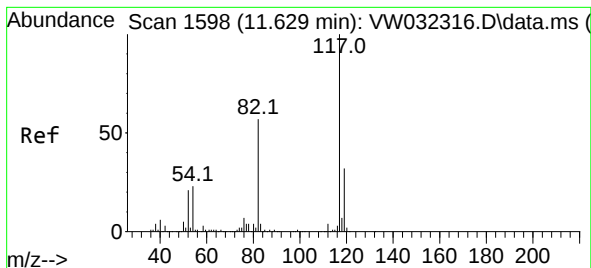
Tgt Ion: 98 Resp: 641572
Ion Ratio Lower Upper
98 100
100 60.7 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 64.602 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion: 95 Resp: 266076
Ion Ratio Lower Upper
95 100
174 49.5 0.0 145.6
176 45.7 0.0 140.8

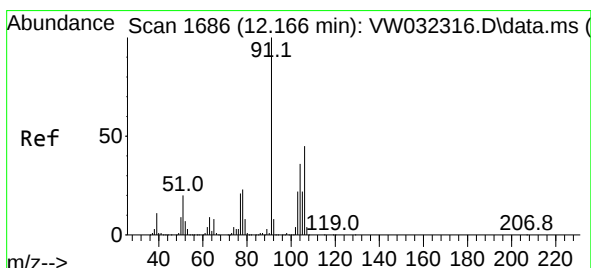
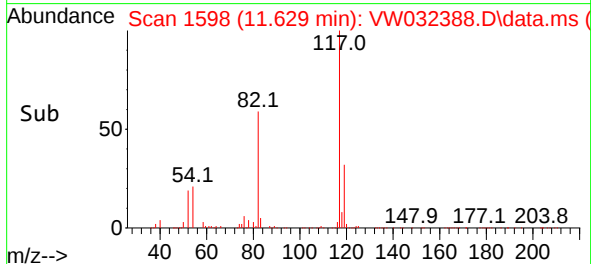
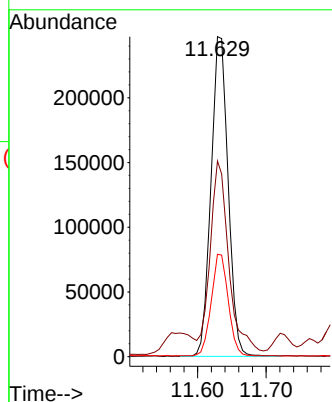
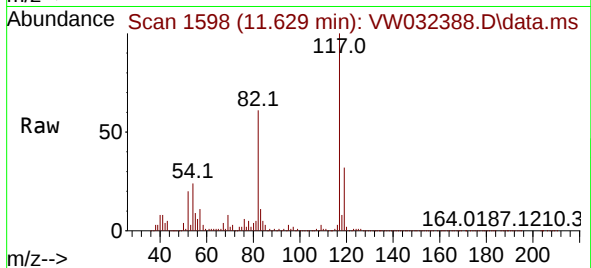




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

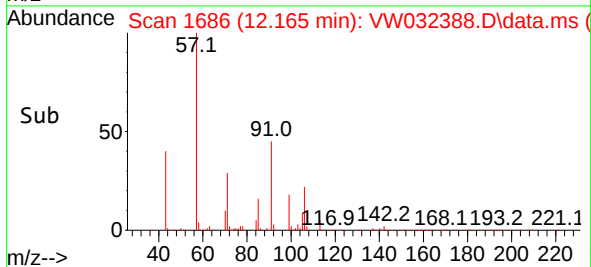
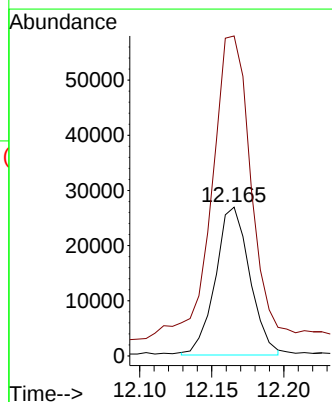
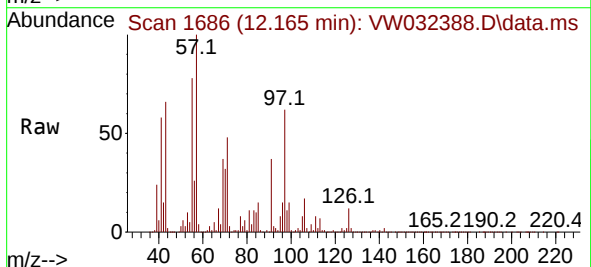
Instrument :
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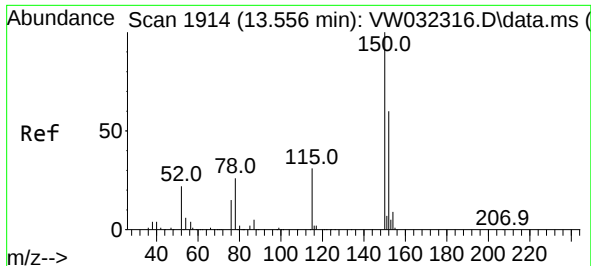
Tgt Ion:117 Resp: 429083
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 31.8 25.2 37.8



#69
o-Xylene
Concen: 7.824 ug/l m
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:106 Resp: 44399
Ion Ratio Lower Upper
106 100
91 0.0 108.7 326.3#

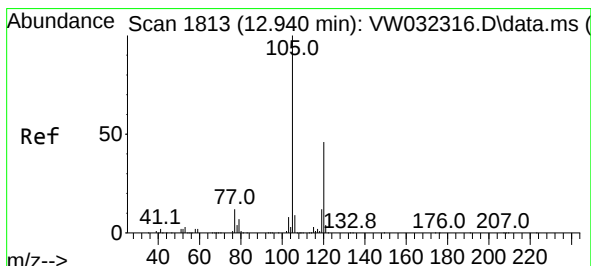
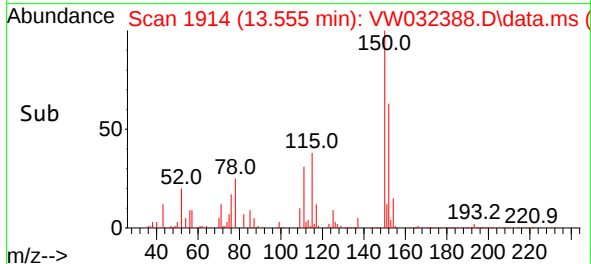
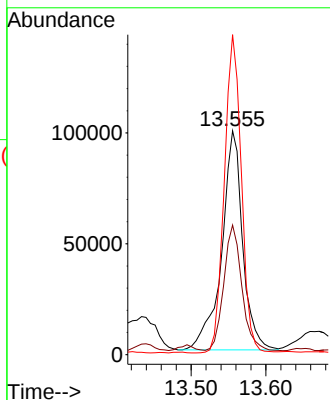
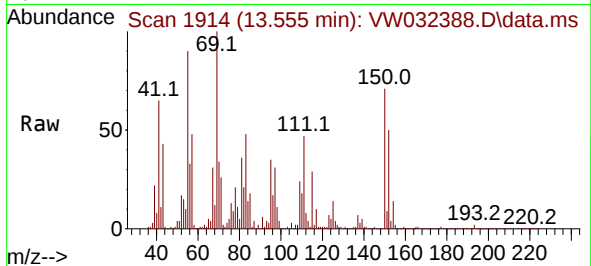




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032388.D
 Acq: 20 Oct 2025 14:56

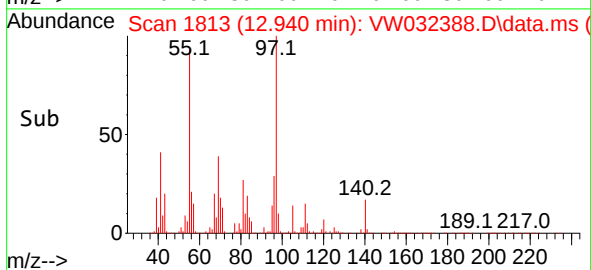
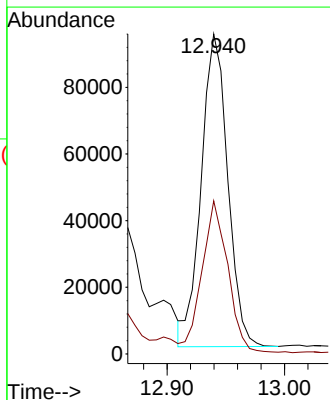
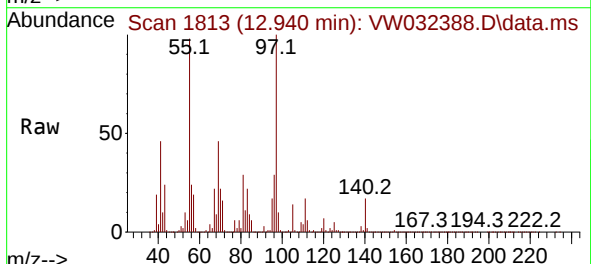
Instrument : MSVOA_W
 ClientSampleId : PR132-S05-057082-20251016

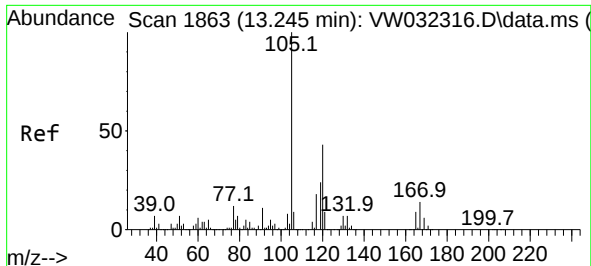
Tgt Ion:152 Resp: 193724
 Ion Ratio Lower Upper
 152 100
 115 49.4 31.8 95.4
 150 117.6 0.0 343.0



#80
 1,3,5-Trimethylbenzene
 Concen: 12.826 ug/l
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW032388.D
 Acq: 20 Oct 2025 14:56

Tgt Ion:105 Resp: 146996
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.8 74.4

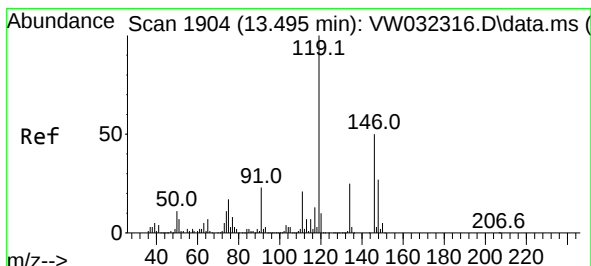
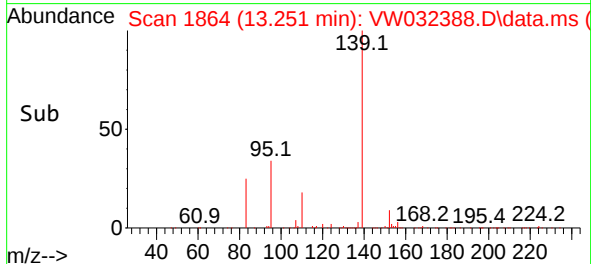
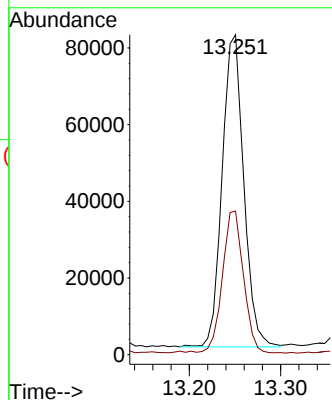
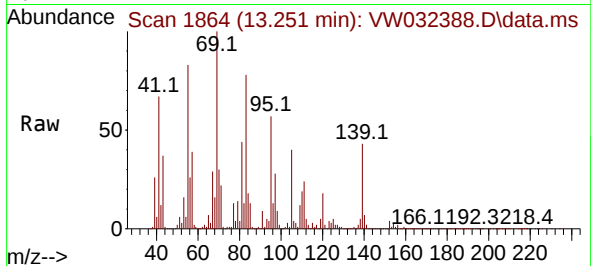




#84
1,2,4-Trimethylbenzene
Concen: 11.485 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:105 Resp: 133841
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.3



#86
p-Isopropyltoluene
Concen: 4.223 ug/l
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032388.D
Acq: 20 Oct 2025 14:56

Tgt Ion:119 Resp: 50356
Ion Ratio Lower Upper
119 100
134 26.6 12.6 37.6
91 17.7 12.4 37.0

