

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032392.D
 Acq On : 20 Oct 2025 16:24
 Operator : SY/MD
 Sample : Q3376-05
 Misc : 2.94g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S12-020047-20251016

Quant Time: Oct 21 01:30:31 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)

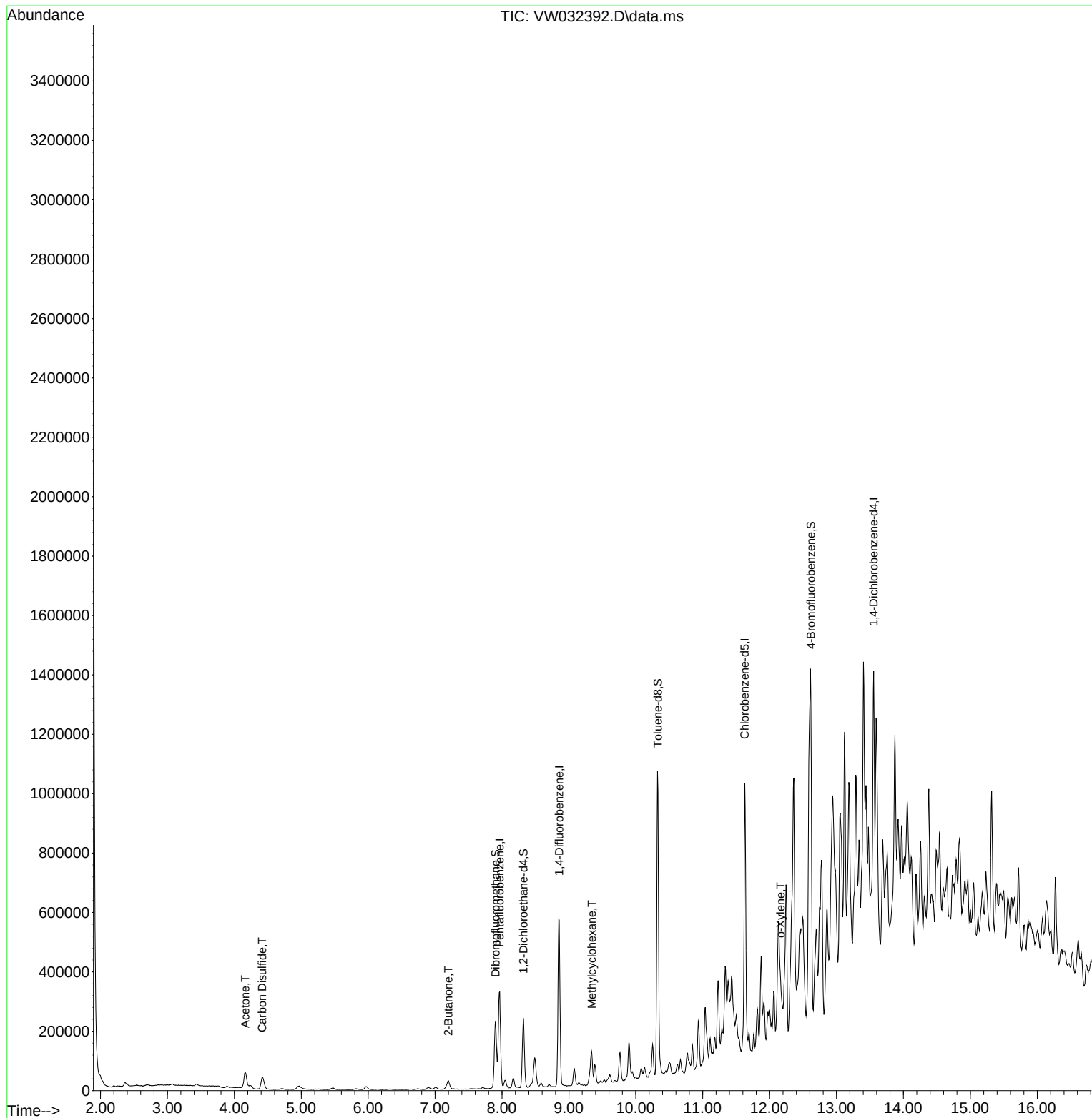
Internal Standards						
1) Pentafluorobenzene	7.965	168	220545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	499682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	486561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	228417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	189064	58.774	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 117.540%		
35) Dibromofluoromethane	7.904	113	167736	51.834	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 103.660%		
50) Toluene-d8	10.331	98	633564	53.047	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.100%		
62) 4-Bromofluorobenzene	12.617	95	250680	55.532	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 111.060%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	102844	115.463	ug/l	99
17) Carbon Disulfide	4.417	76	101525	14.970	ug/l	99
25) 2-Butanone	7.197	43	42423	34.971	ug/l	98
39) Methylcyclohexane	9.343	83	28003	5.083	ug/l #	81
69) o-Xylene	12.166	106	22170	3.445	ug/l	94

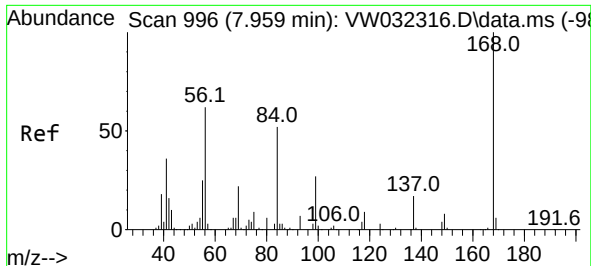
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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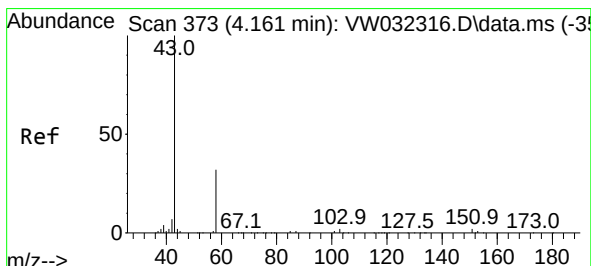
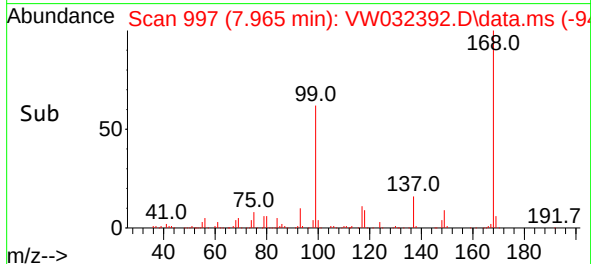
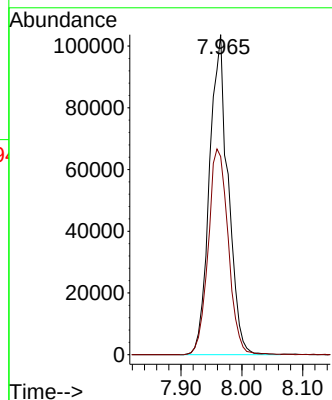
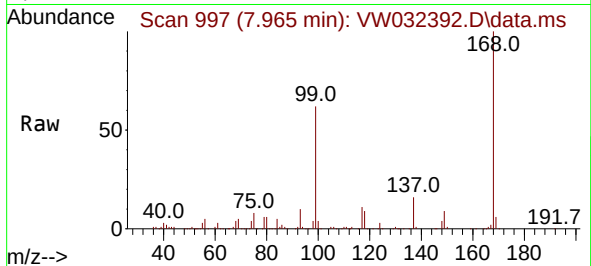




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

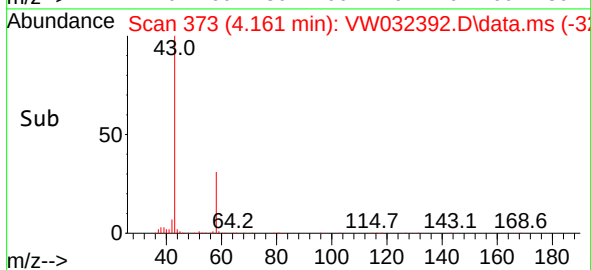
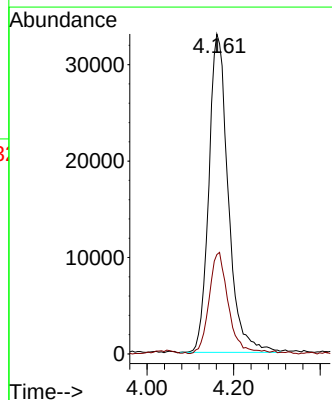
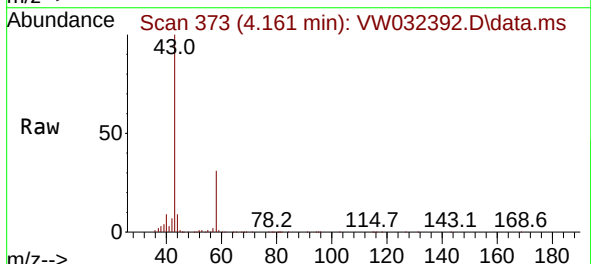
Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

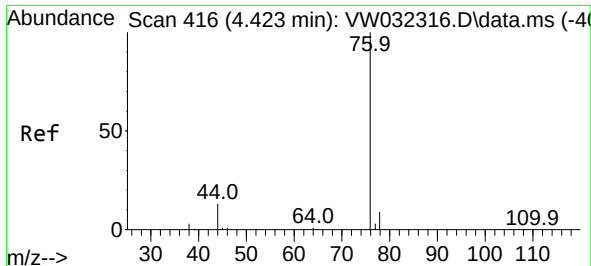
Tgt Ion:168 Resp: 220545
Ion Ratio Lower Upper
168 100
99 61.9 49.3 73.9



#16
Acetone
Concen: 115.463 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 43 Resp: 102844
Ion Ratio Lower Upper
43 100
58 30.9 25.3 37.9

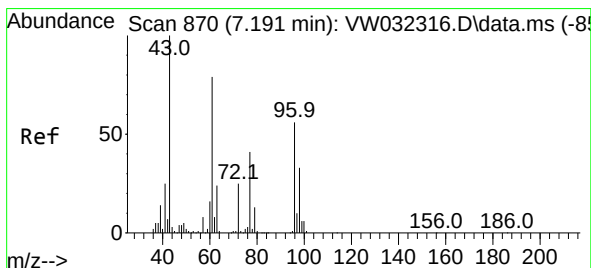
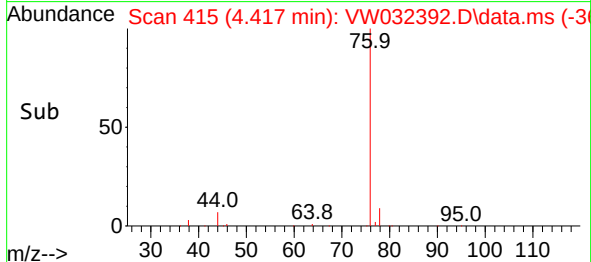
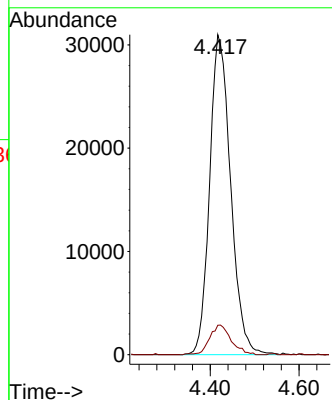
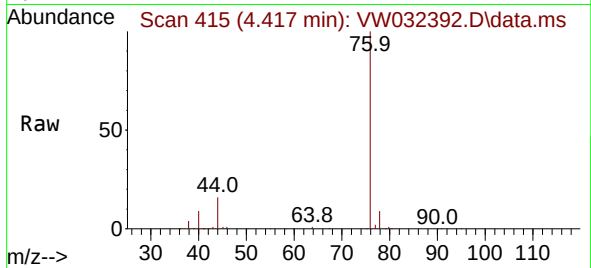




#17
Carbon Disulfide
Concen: 14.970 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

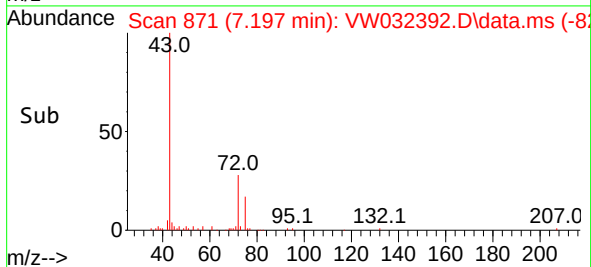
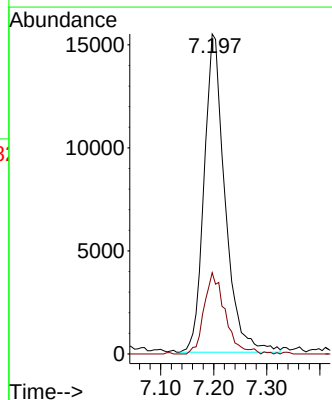
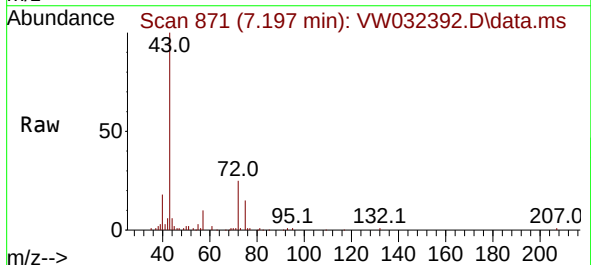
Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

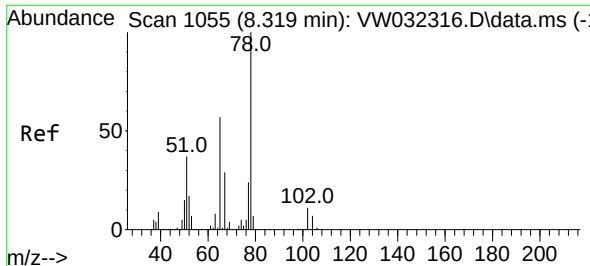
Tgt Ion: 76 Resp: 101525
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#25
2-Butanone
Concen: 34.971 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 43 Resp: 42423
Ion Ratio Lower Upper
43 100
72 25.5 21.4 32.2

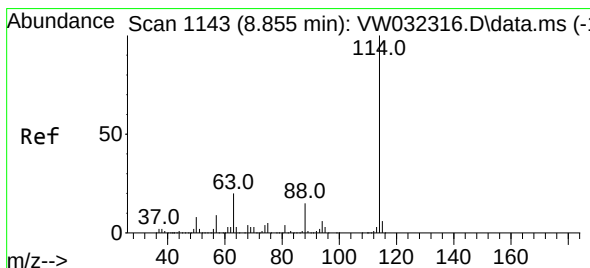
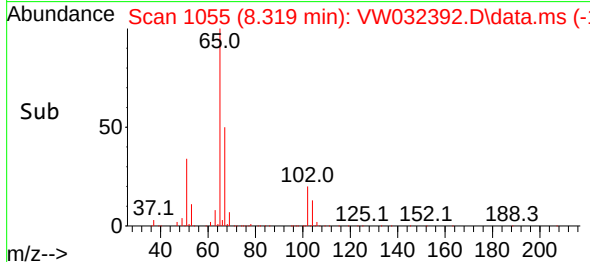
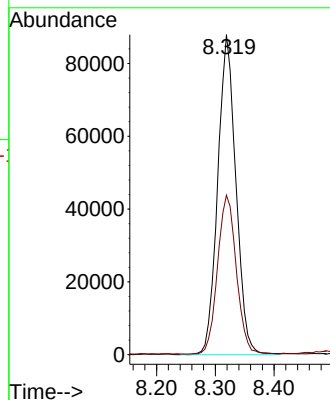
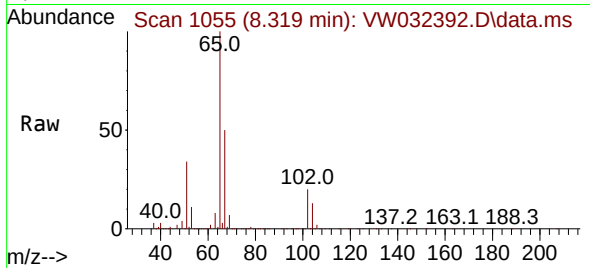




#33
 1,2-Dichloroethane-d4
 Concen: 58.774 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032392.D
 Acq: 20 Oct 2025 16:24

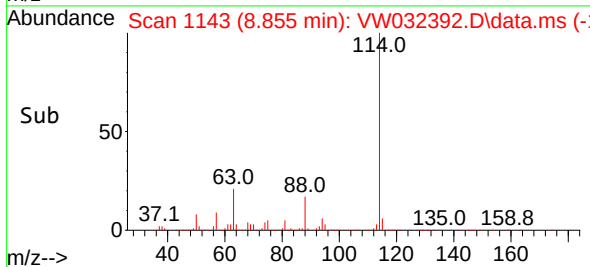
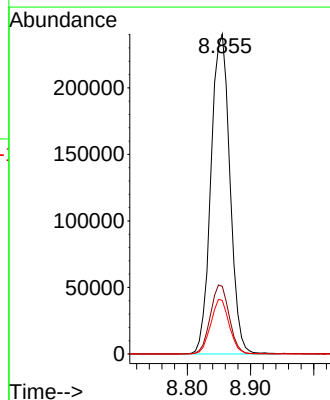
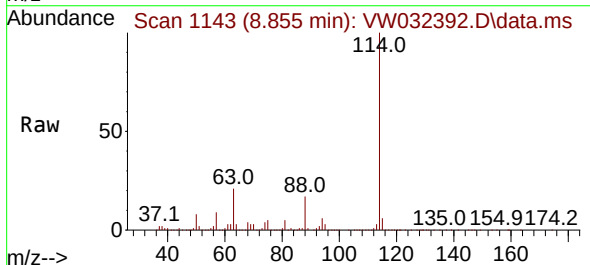
Instrument : MSVOA_W
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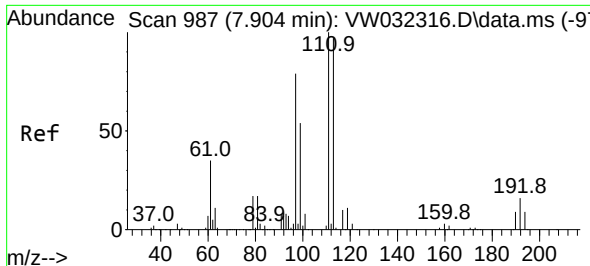
Tgt Ion: 65 Resp: 189064
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032392.D
 Acq: 20 Oct 2025 16:24

Tgt Ion: 114 Resp: 499682
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.4
 88 16.8 0.0 32.0

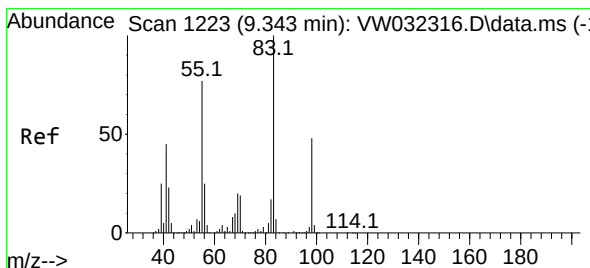
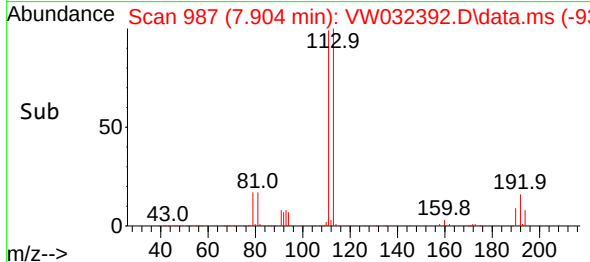
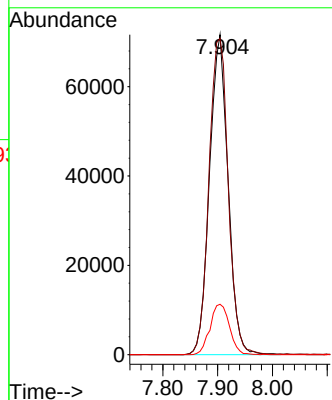
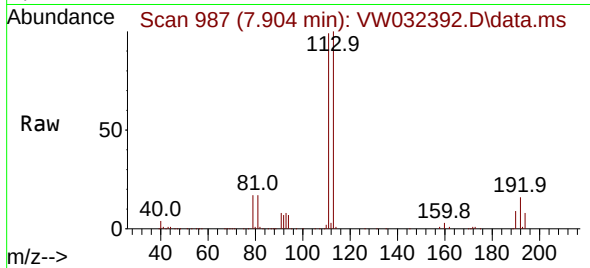




#35
Dibromofluoromethane
Concen: 51.834 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

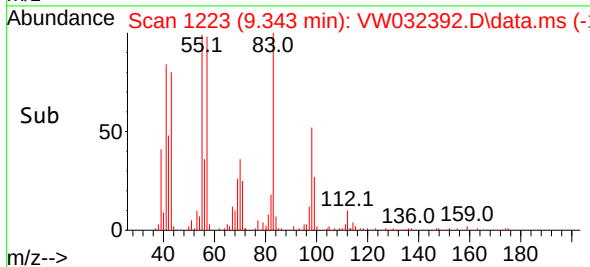
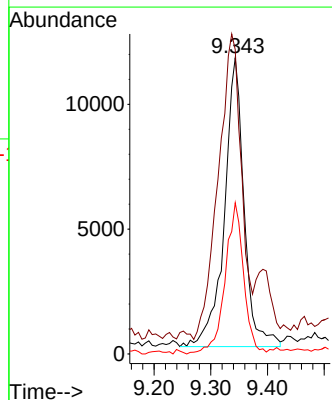
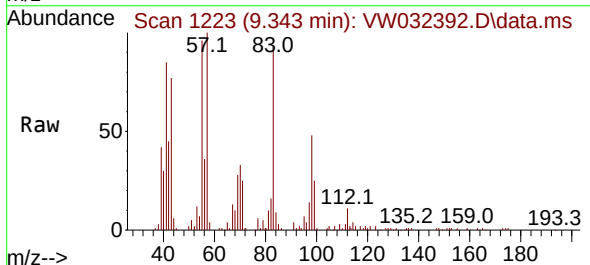
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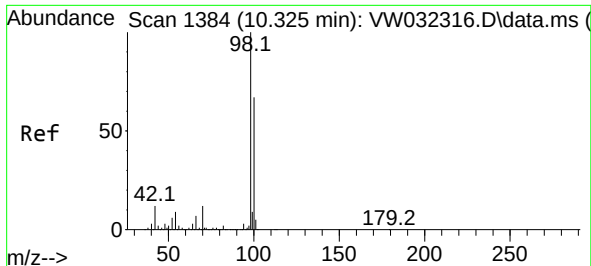
Tgt Ion:113 Resp: 167736
Ion Ratio Lower Upper
113 100
111 102.9 83.9 125.9
192 16.6 14.6 21.8



#39
Methylcyclohexane
Concen: 5.083 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 83 Resp: 28003
Ion Ratio Lower Upper
83 100
55 98.0 58.4 87.6#
98 51.4 39.4 59.2

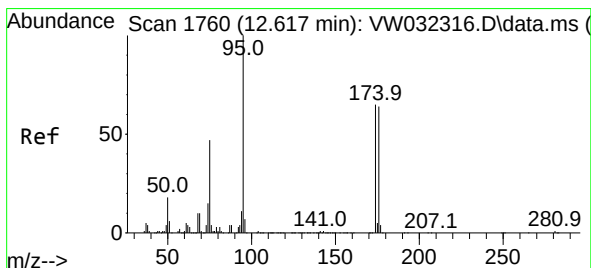
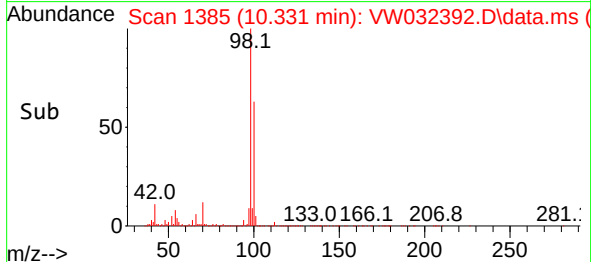
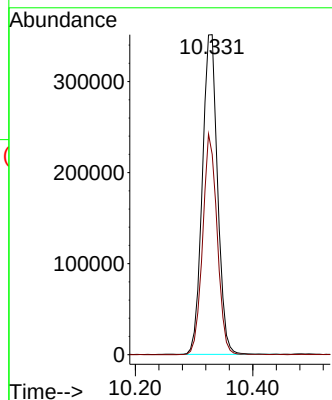
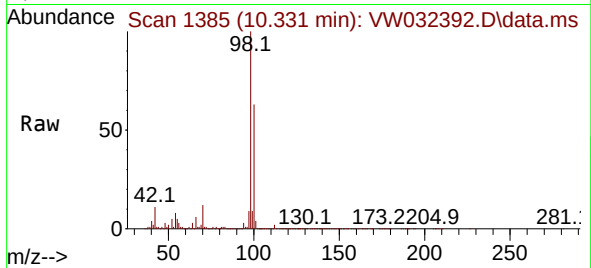




#50
Toluene-d8
Concen: 53.047 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

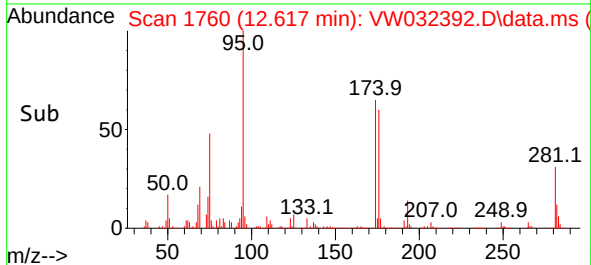
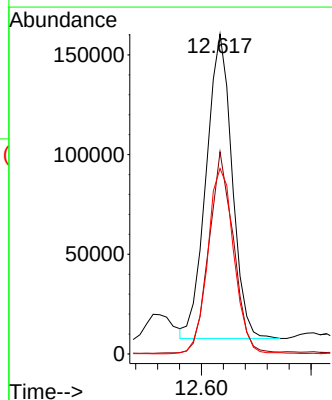
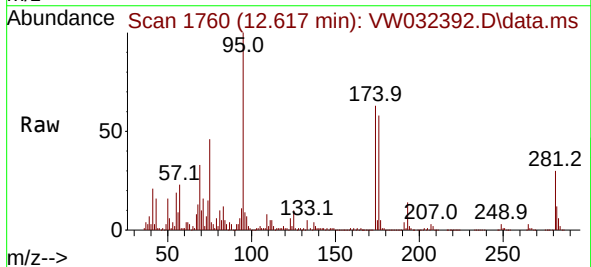
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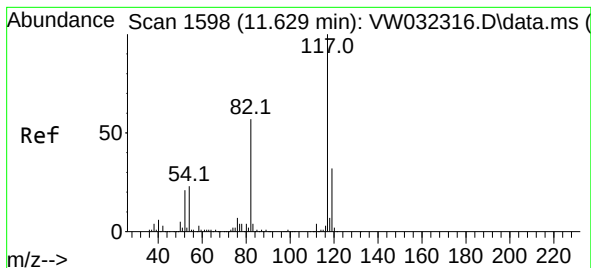
Tgt Ion: 98 Resp: 633564
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 55.532 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 95 Resp: 250680
Ion Ratio Lower Upper
95 100
174 62.9 0.0 145.6
176 62.1 0.0 140.8

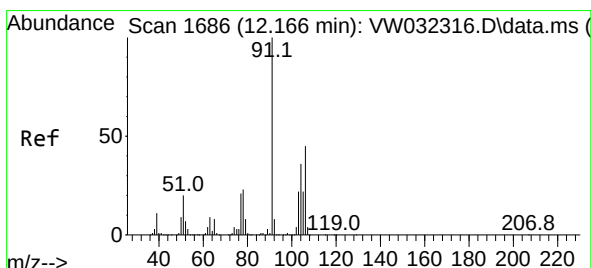
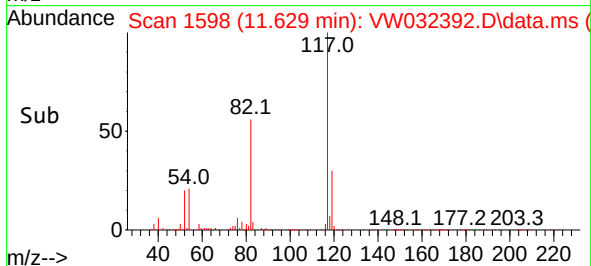
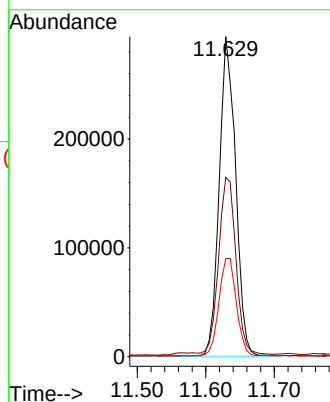
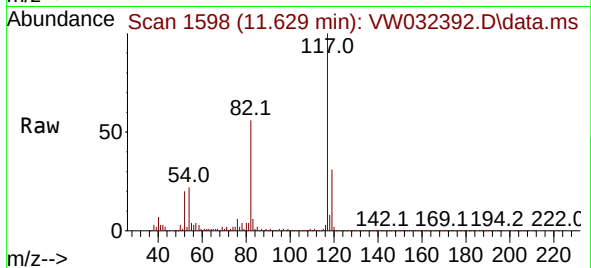




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

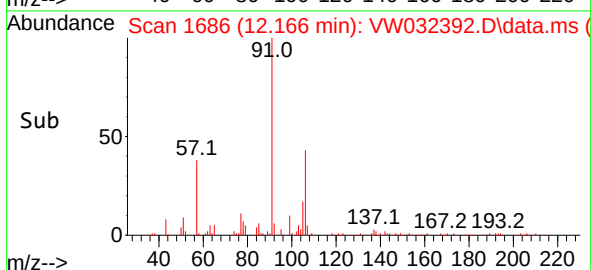
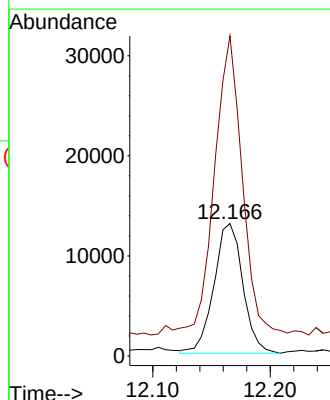
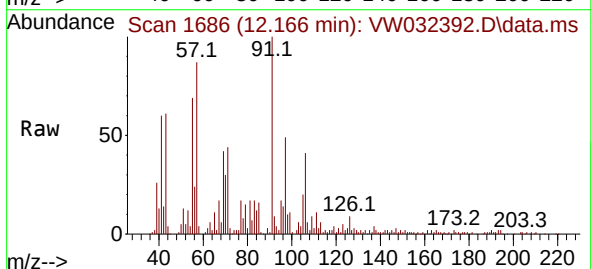
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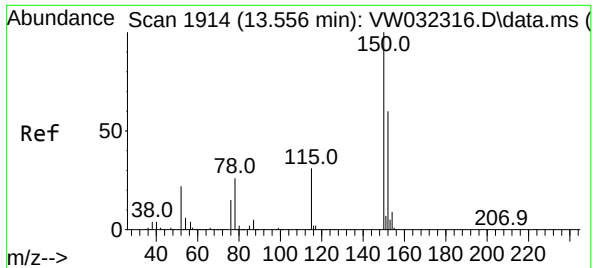
Tgt Ion:117 Resp: 486561
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 30.4 25.2 37.8



#69
o-Xylene
Concen: 3.445 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

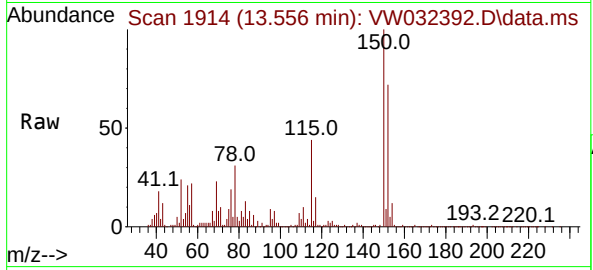
Tgt Ion:106 Resp: 22170
Ion Ratio Lower Upper
106 100
91 226.5 108.7 326.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032392.D
 Acq: 20 Oct 2025 16:24

Instrument : MSVOA_W
 ClientSampleId : PR132-S12-020047-20251016



Tgt Ion:152 Resp: 228417

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.8	95.4
150	148.4	0.0	343.0

