

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032386.D
 Acq On : 20 Oct 2025 14:12
 Operator : SY/MD
 Sample : Q3375-04
 Misc : 3.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S02-010074-20251016

Quant Time: Oct 21 01:27:00 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)

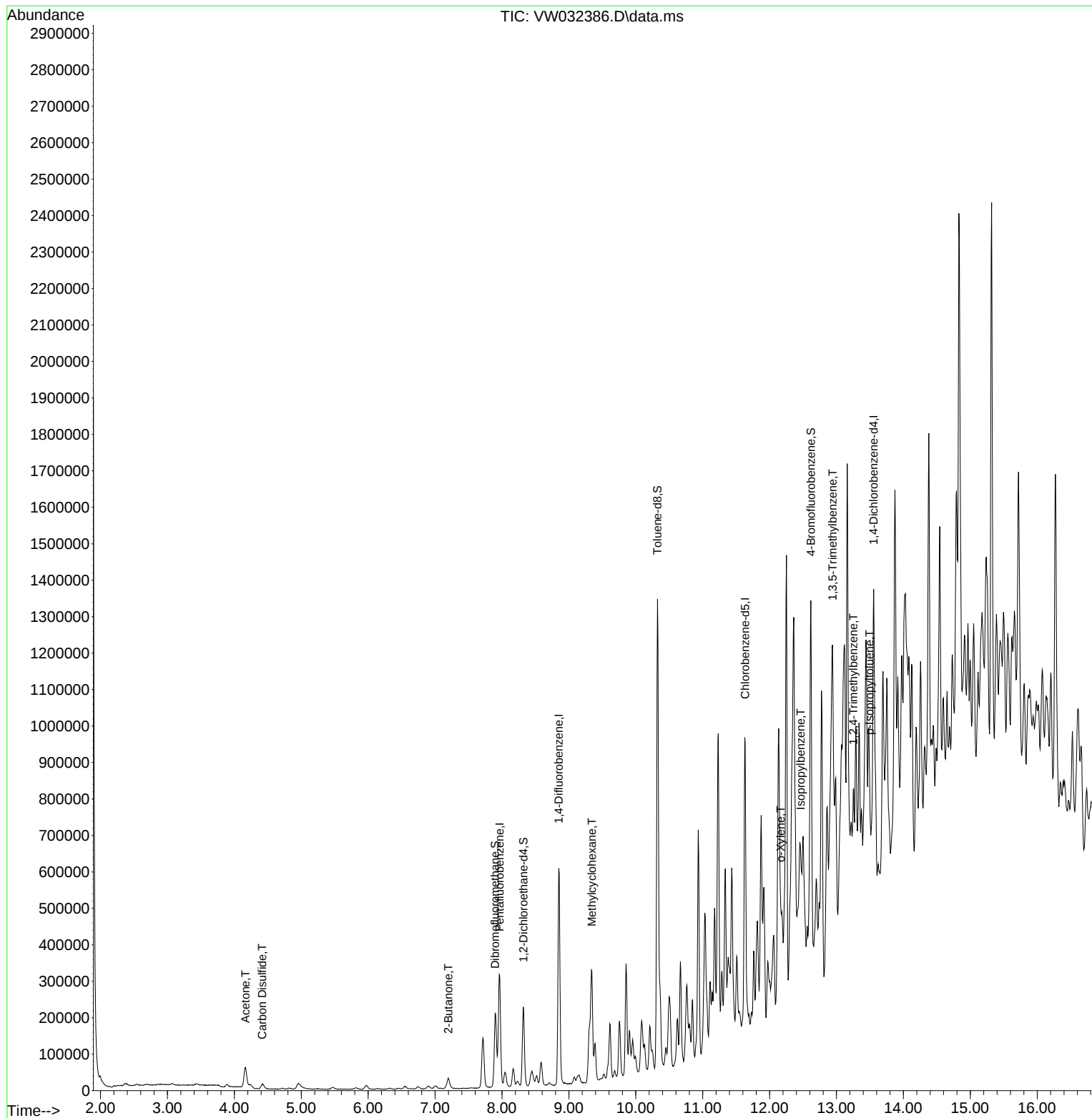
Internal Standards						
1) Pentafluorobenzene	7.965	168	206211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	455416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	446070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	201731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	175562	58.371	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.740%		
35) Dibromofluoromethane	7.898	113	153891	52.178	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 104.360%		
50) Toluene-d8	10.324	98	600394	55.156	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 110.320%		
62) 4-Bromofluorobenzene	12.617	95	253220	61.546	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 123.100%		
Target Compounds						
16) Acetone	4.167	43	105839	127.086	ug/l	100
17) Carbon Disulfide	4.417	76	32152	5.070	ug/l	99
25) 2-Butanone	7.197	43	42528	37.494	ug/l	98
39) Methylcyclohexane	9.343	83	116306	23.165	ug/l	90
69) o-Xylene	12.166	106	23400	3.966	ug/l	88
73) Isopropylbenzene	12.464	105	84352	6.112	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	56556	4.739	ug/l	100
84) 1,2,4-Trimethylbenzene	13.251	105	106240	8.755	ug/l	100
86) p-Isopropyltoluene	13.495	119	40794	3.286	ug/l	95

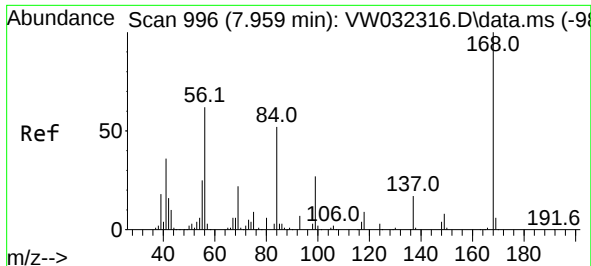
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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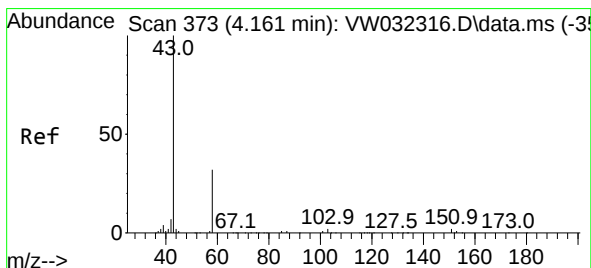
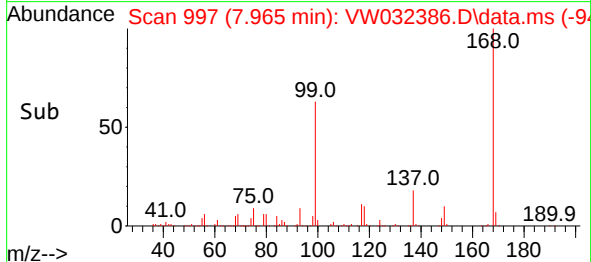
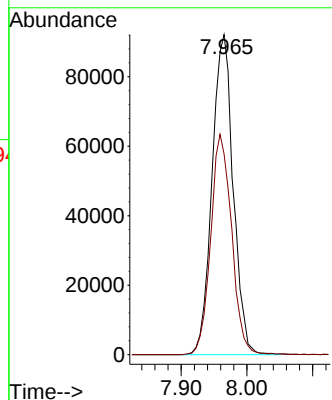
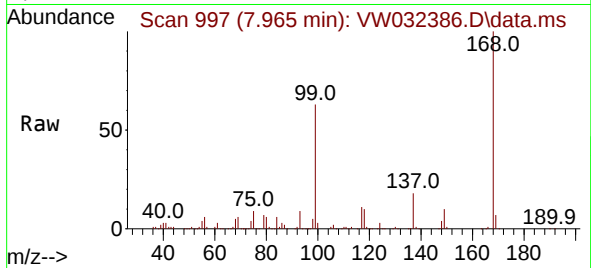




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

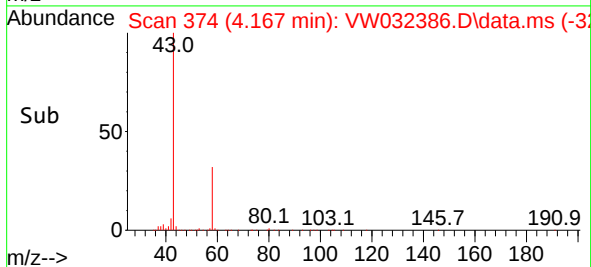
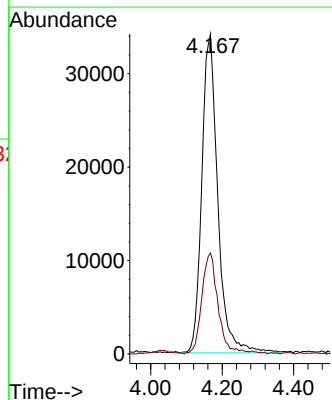
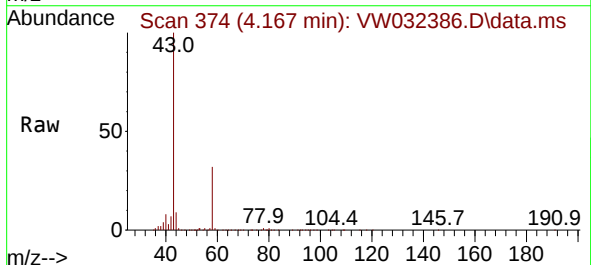
Instrument :
MSVOA_W
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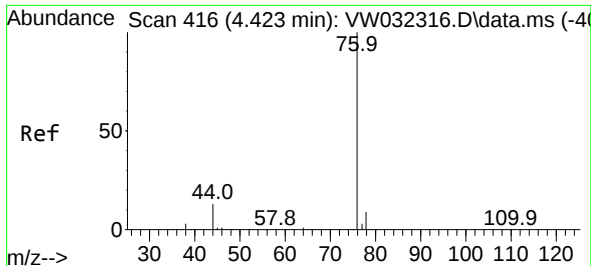
Tgt Ion:168 Resp: 206211
Ion Ratio Lower Upper
168 100
99 62.8 49.3 73.9



#16
Acetone
Concen: 127.086 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

Tgt Ion: 43 Resp: 105839
Ion Ratio Lower Upper
43 100
58 31.7 25.3 37.9

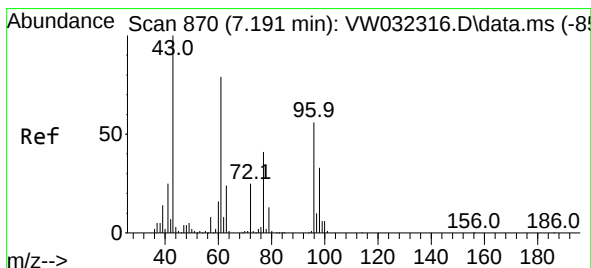
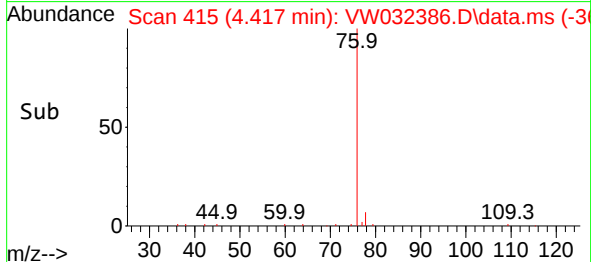
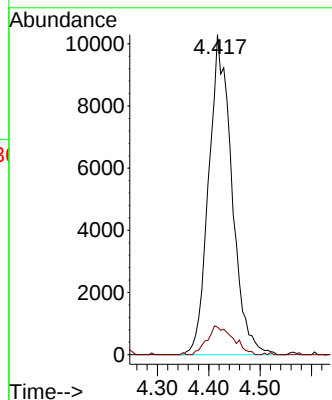
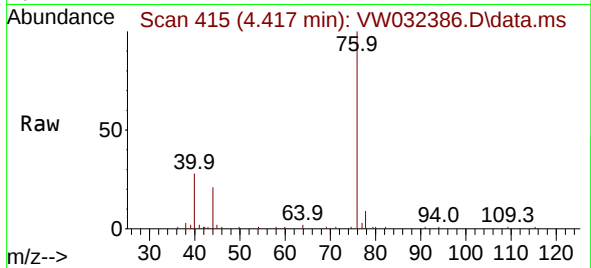




#17
Carbon Disulfide
Concen: 5.070 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

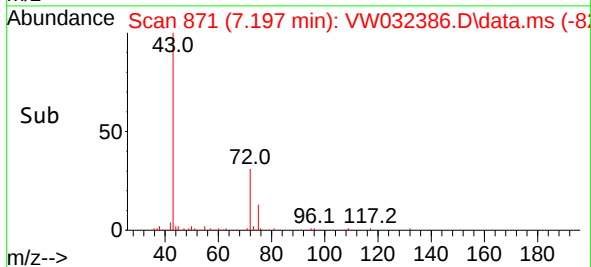
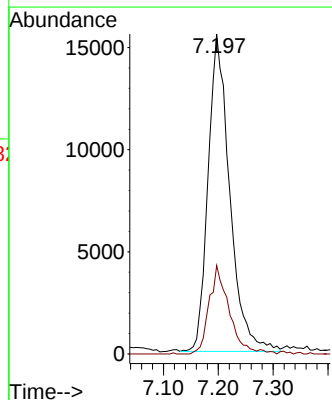
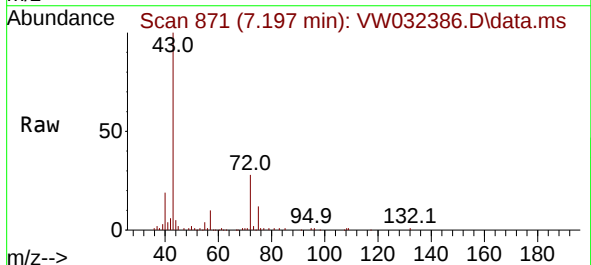
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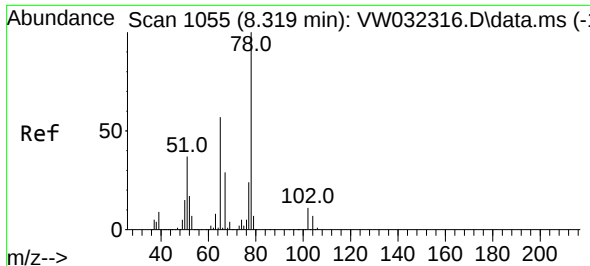
Tgt Ion: 76 Resp: 32152
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#25
2-Butanone
Concen: 37.494 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

Tgt Ion: 43 Resp: 42528
Ion Ratio Lower Upper
43 100
72 27.9 21.4 32.2

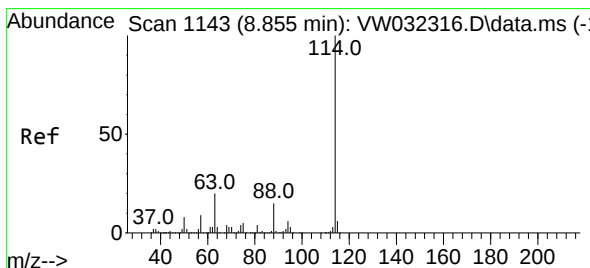
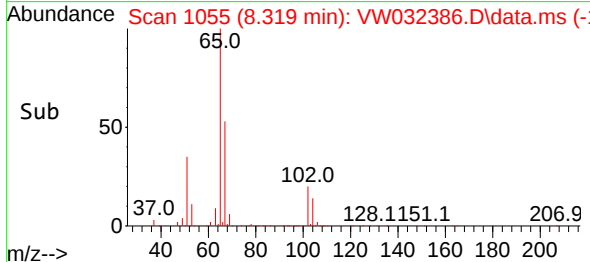
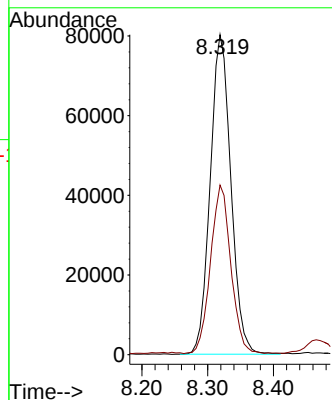
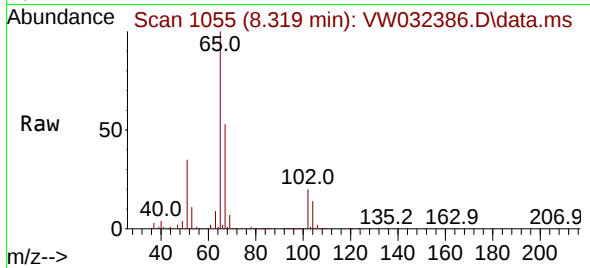




#33
 1,2-Dichloroethane-d4
 Concen: 58.371 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032386.D
 Acq: 20 Oct 2025 14:12

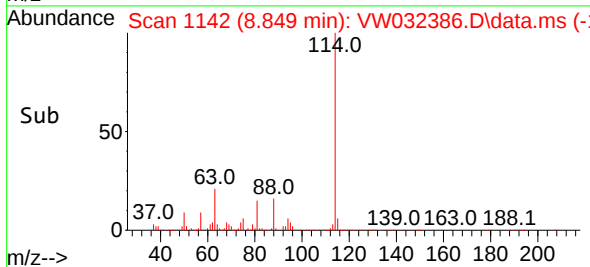
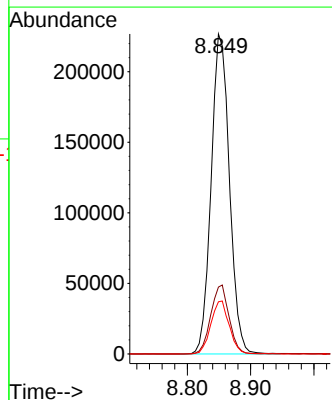
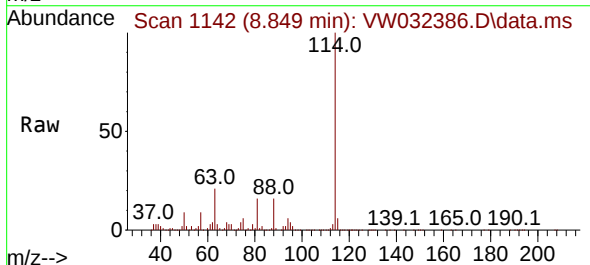
Instrument : MSVOA_W
 ClientSampleId : PR132-S02-010074-20251016

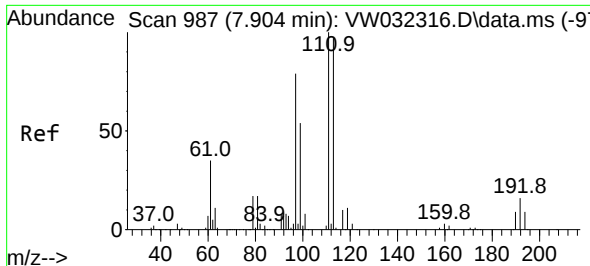
Tgt Ion: 65 Resp: 175562
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032386.D
 Acq: 20 Oct 2025 14:12

Tgt Ion: 114 Resp: 455416
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.4
 88 16.3 0.0 32.0

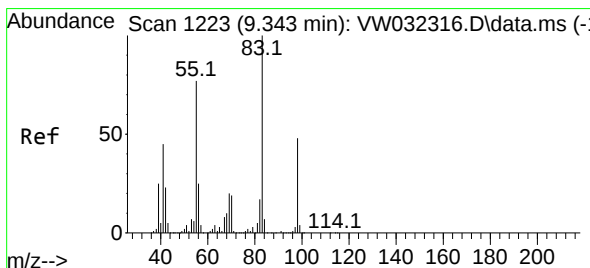
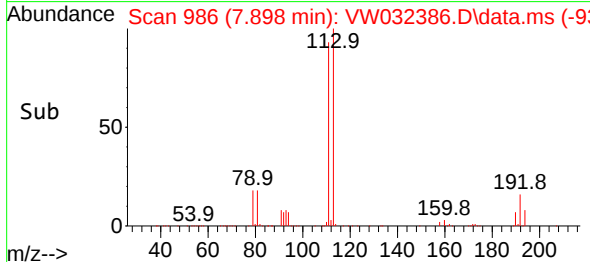
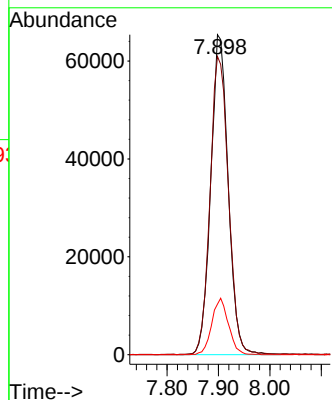
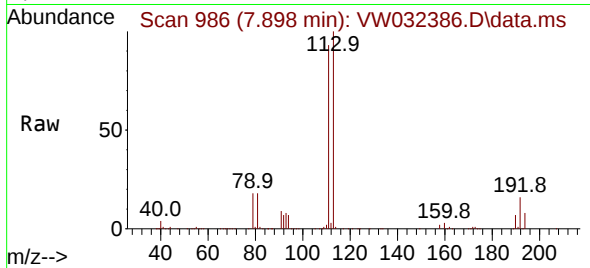




#35
Dibromofluoromethane
Concen: 52.178 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

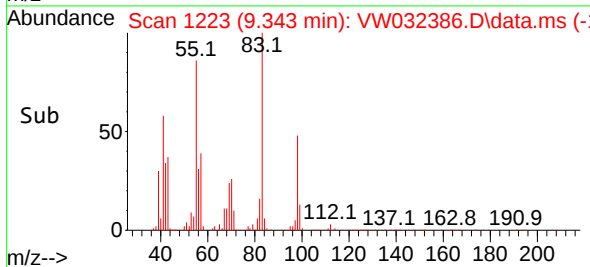
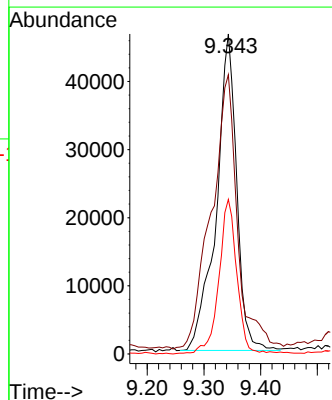
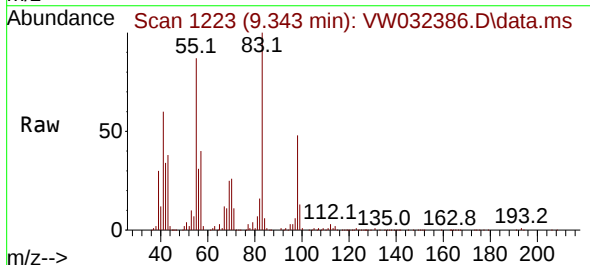
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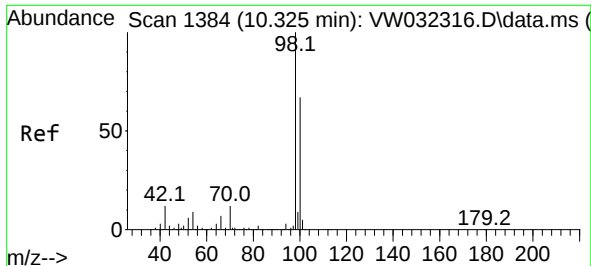
Tgt Ion:113 Resp: 153891
Ion Ratio Lower Upper
113 100
111 98.5 83.9 125.9
192 16.9 14.6 21.8



#39
Methylcyclohexane
Concen: 23.165 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

Tgt Ion: 83 Resp: 116306
Ion Ratio Lower Upper
83 100
55 86.0 58.4 87.6
98 48.6 39.4 59.2

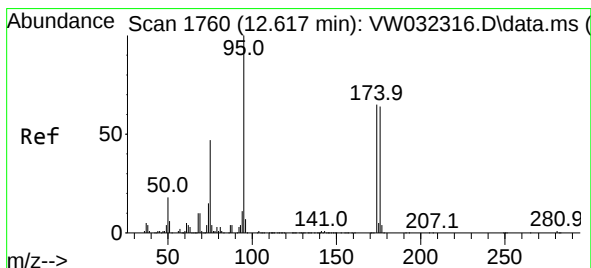
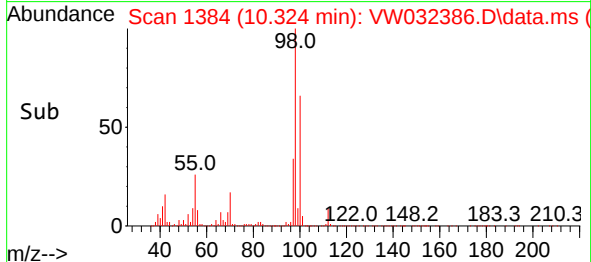
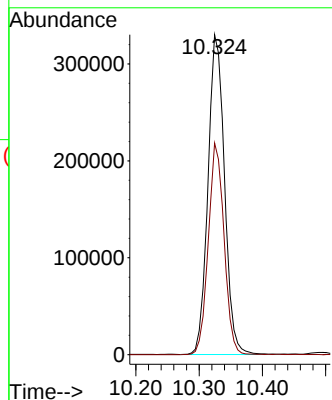
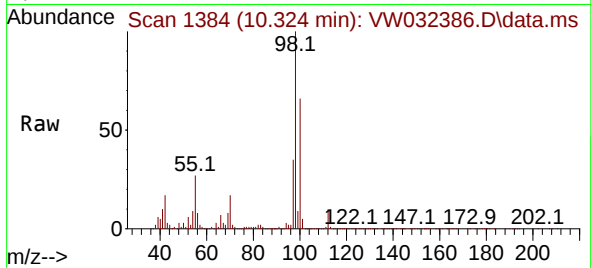




#50
Toluene-d8
Concen: 55.156 ug/l
RT: 10.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

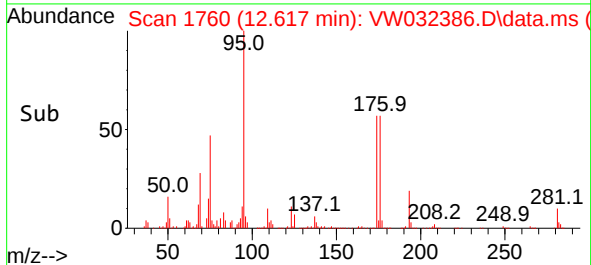
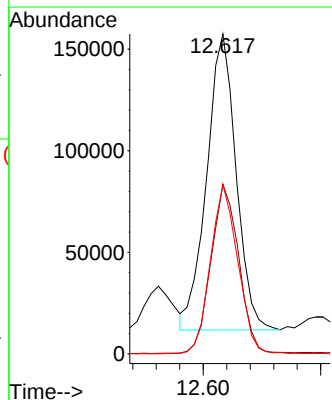
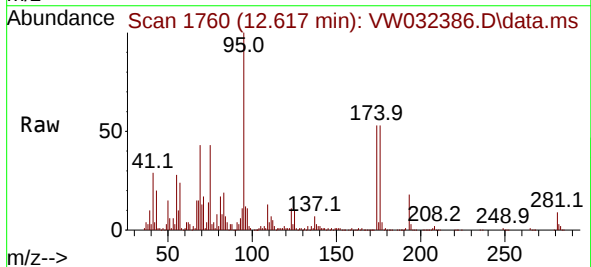
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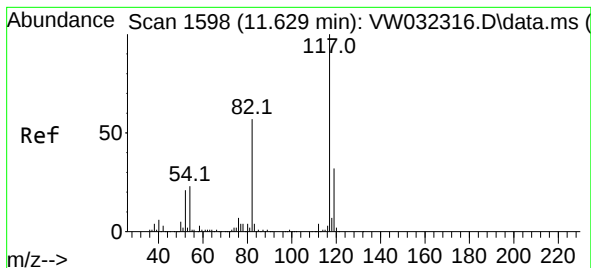
Tgt Ion: 98 Resp: 600394
Ion Ratio Lower Upper
98 100
100 63.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 61.546 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

Tgt Ion: 95 Resp: 253220
Ion Ratio Lower Upper
95 100
174 54.3 0.0 145.6
176 53.3 0.0 140.8

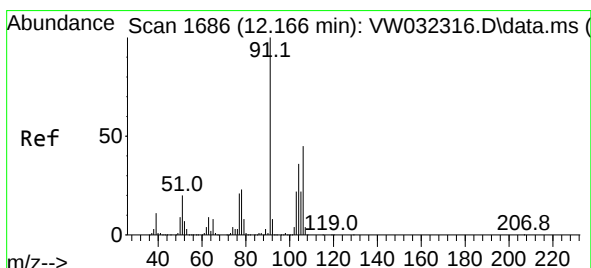
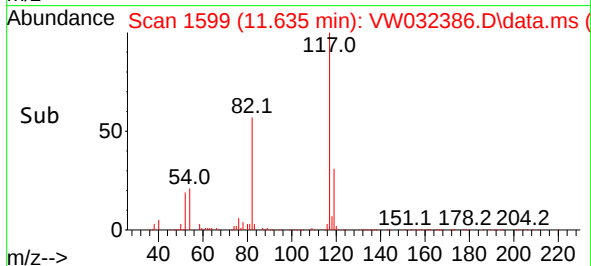
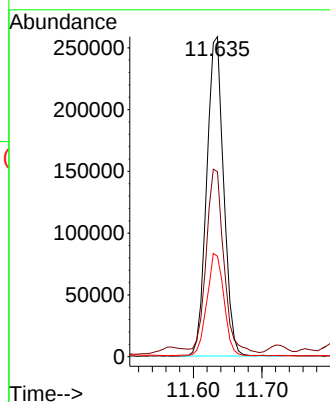
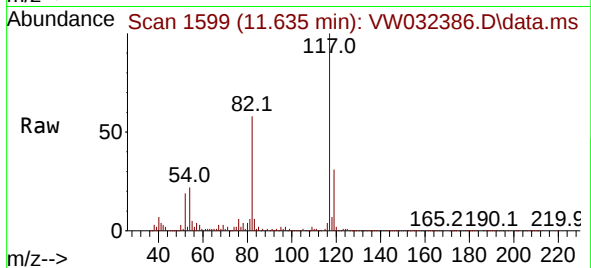




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

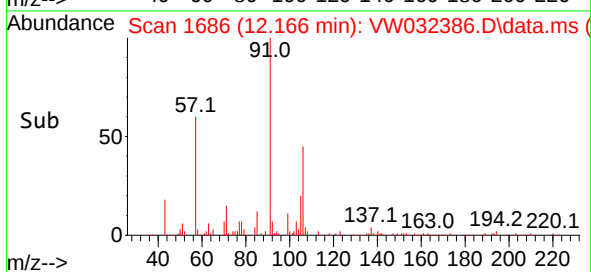
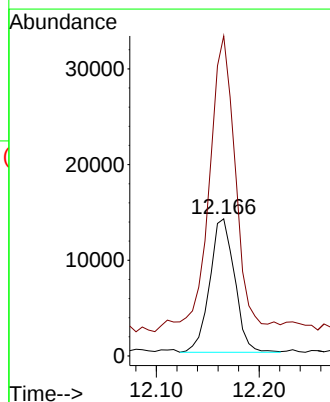
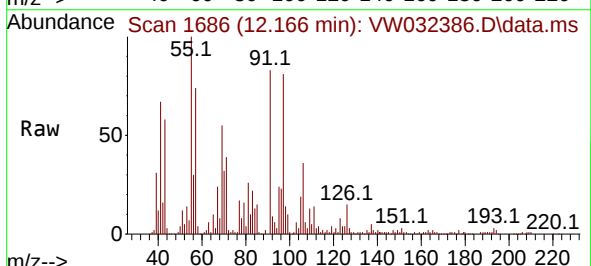
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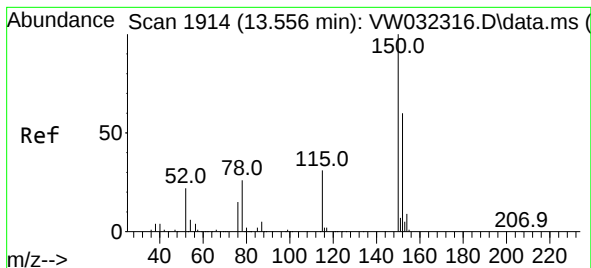
Tgt Ion:117 Resp: 446070
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 31.1 25.2 37.8



#69
o-Xylene
Concen: 3.966 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

Tgt Ion:106 Resp: 23400
Ion Ratio Lower Upper
106 100
91 236.1 108.7 326.3

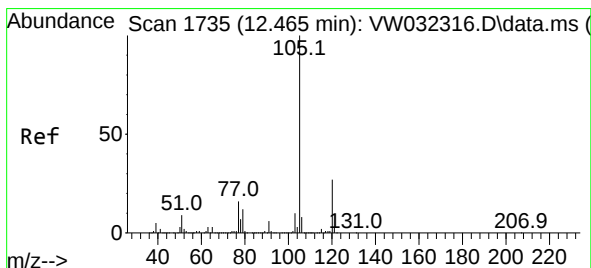
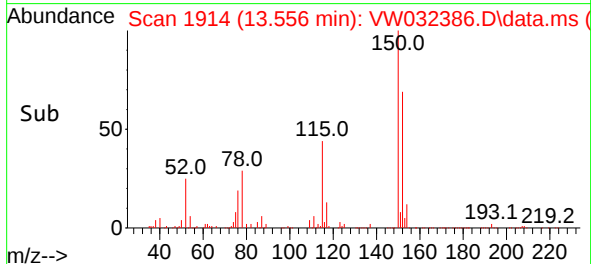
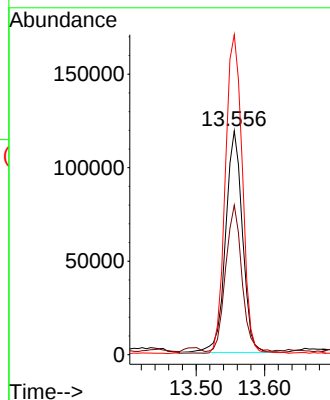
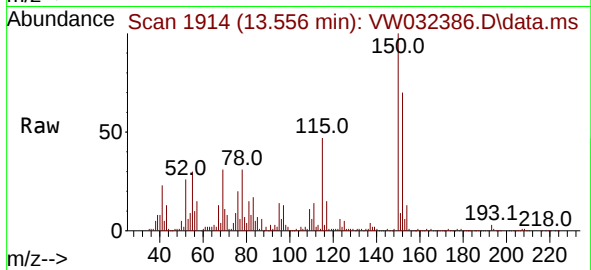




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

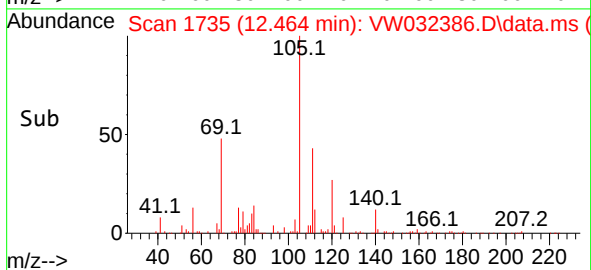
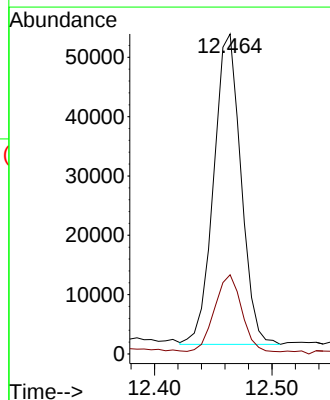
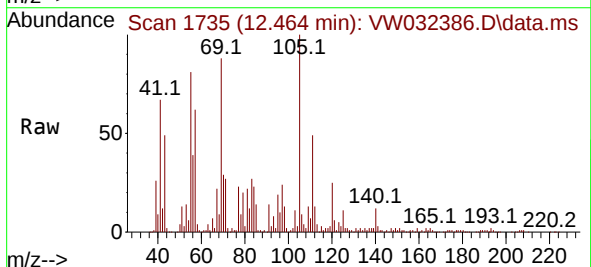
Instrument :
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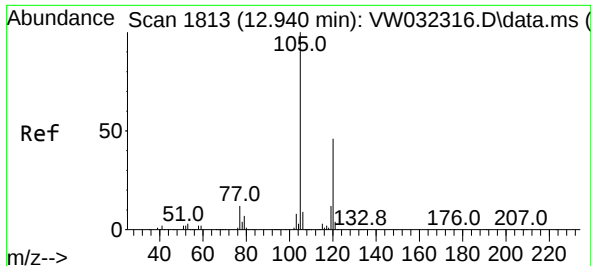
Tgt Ion:152 Resp: 201731
Ion Ratio Lower Upper
152 100
115 63.2 31.8 95.4
150 144.5 0.0 343.0



#73
Isopropylbenzene
Concen: 6.112 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

Tgt Ion:105 Resp: 84352
Ion Ratio Lower Upper
105 100
120 24.5 13.0 38.9

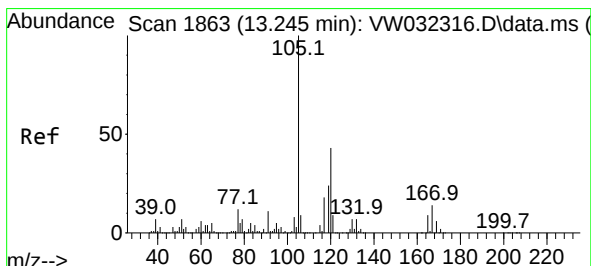
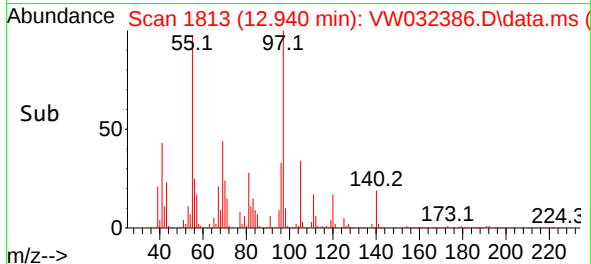
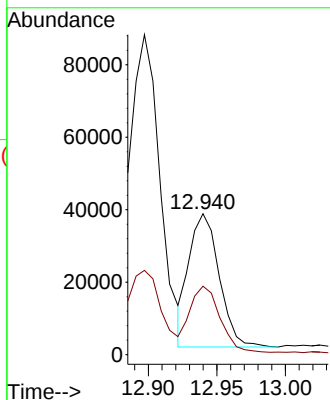
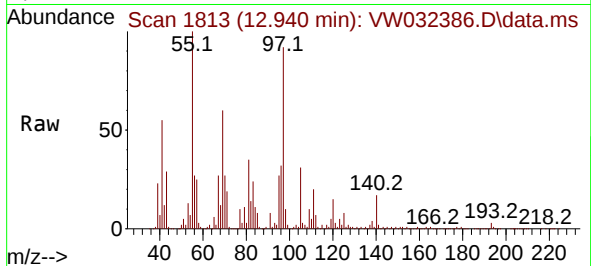




#80
1,3,5-Trimethylbenzene
Concen: 4.739 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

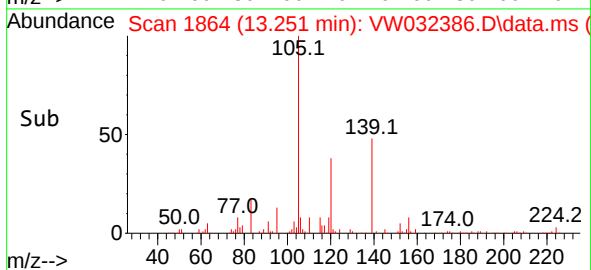
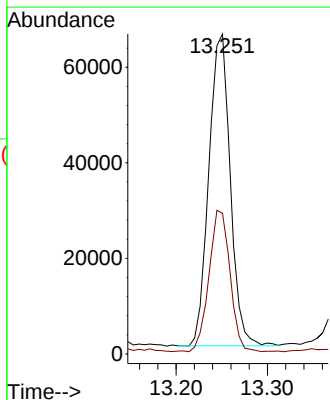
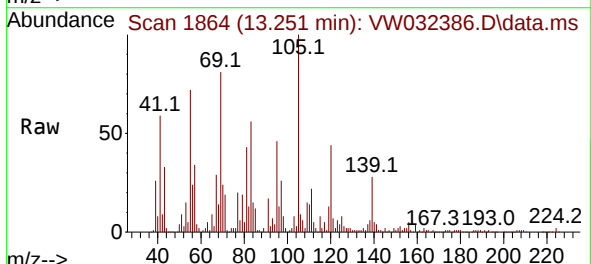
Instrument : MSVOA_W
ClientSampleId : PR132-S02-010074-20251016

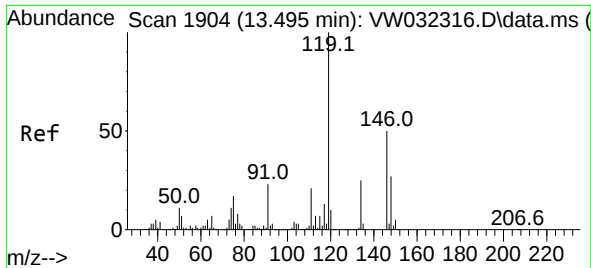
Tgt Ion:105 Resp: 56556
Ion Ratio Lower Upper
105 100
120 49.6 24.8 74.4



#84
1,2,4-Trimethylbenzene
Concen: 8.755 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032386.D
Acq: 20 Oct 2025 14:12

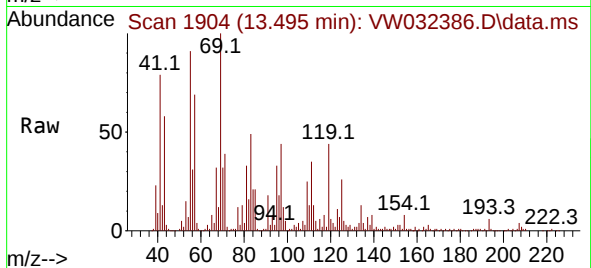
Tgt Ion:105 Resp: 106240
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.3





#86
 p-Isopropyltoluene
 Concen: 3.286 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032386.D
 Acq: 20 Oct 2025 14:12

Instrument : MSVOA_W
 ClientSampleId : PR132-S02-010074-20251016



Tgt Ion:	119	Resp:	40794
Ion Ratio	Lower	Upper	
119	100		
134	29.8	12.6	37.6
91	24.6	12.4	37.0

