

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032393.D
 Acq On : 20 Oct 2025 16:46
 Operator : SY/MD
 Sample : Q3393-01
 Misc : 8.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S10-000022-20251017

Quant Time: Oct 21 01:31:02 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)

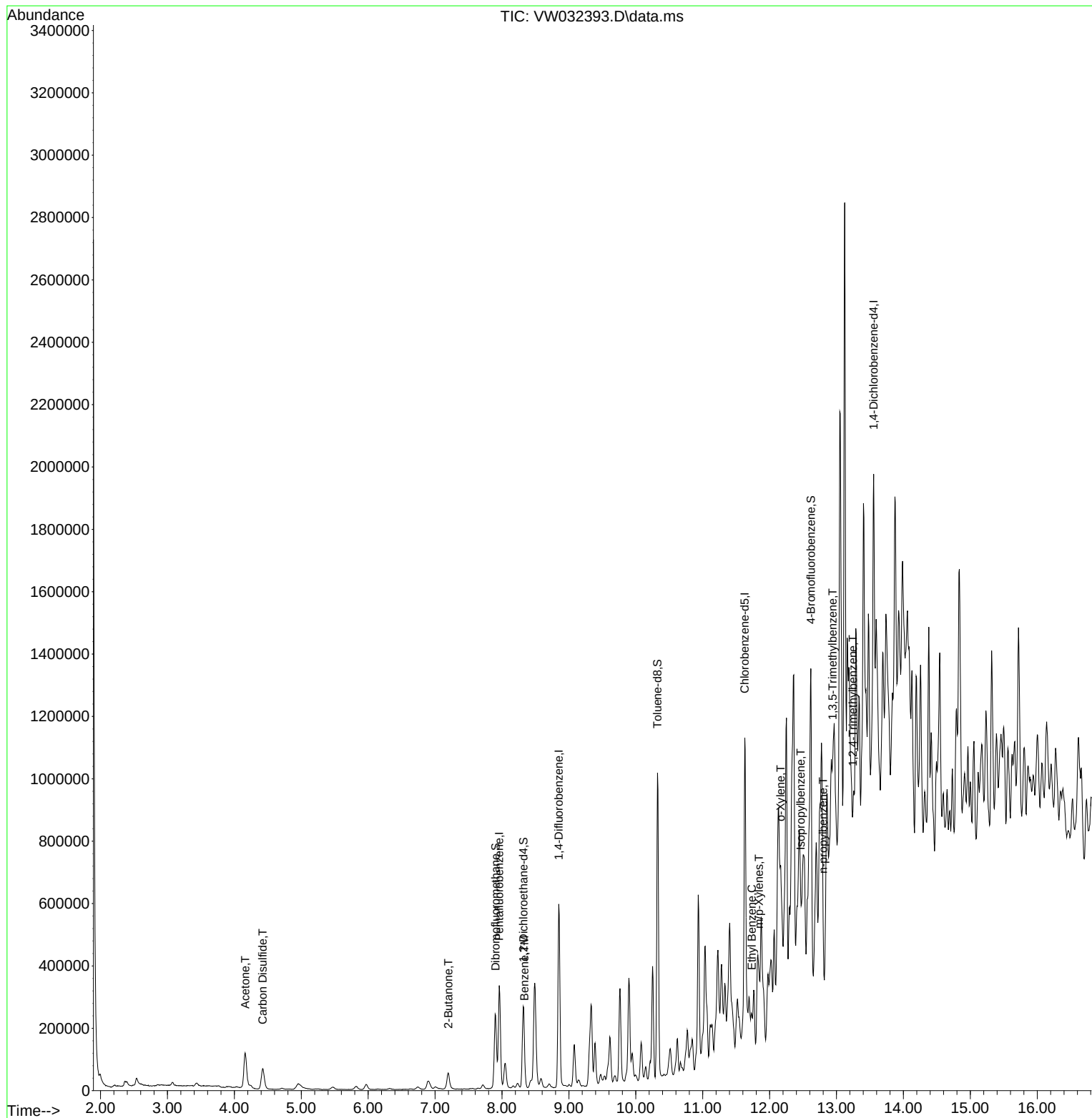
Internal Standards						
1) Pentafluorobenzene	7.959	168	222878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	495532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	494383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	205827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	209091	64.320	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 128.640%		
35) Dibromofluoromethane	7.904	113	176785	55.088	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.180%		
50) Toluene-d8	10.324	98	636458	53.736	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 107.480%		
62) 4-Bromofluorobenzene	12.617	95	257079	57.426	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 114.860%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	217401	241.522	ug/l	100
17) Carbon Disulfide	4.423	76	160809	23.463	ug/l	98
25) 2-Butanone	7.197	43	80561	65.714	ug/l	100
40) Benzene	8.337	78	18202	1.282	ug/l	99
67) Ethyl Benzene	11.733	91	35079	1.935	ug/l	100
68) m/p-Xylenes	11.842	106	52085	7.449	ug/l	98
69) o-Xylene	12.165	106	77196	11.806	ug/l	95
73) Isopropylbenzene	12.464	105	30189	2.144	ug/l	98
78) n-propylbenzene	12.799	91	35908	2.041	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	27053	2.222	ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	72770	5.877	ug/l	91

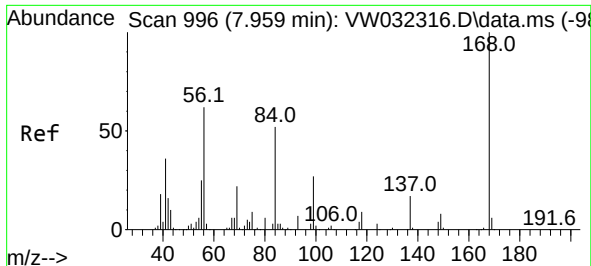
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

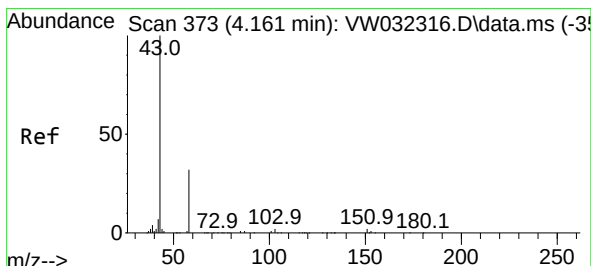
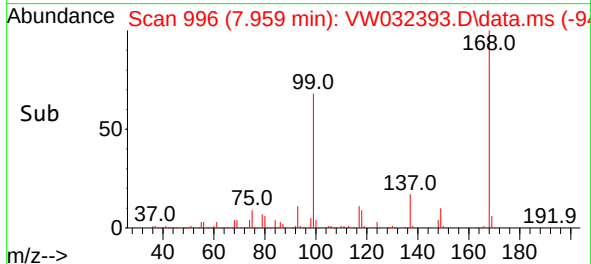
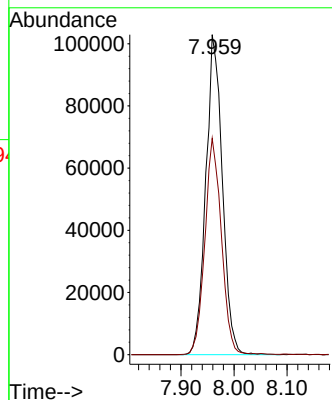
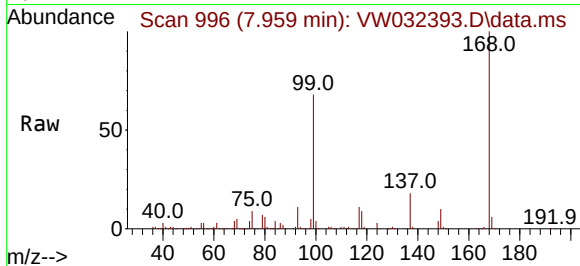




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

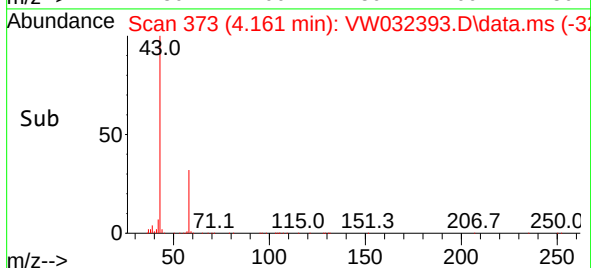
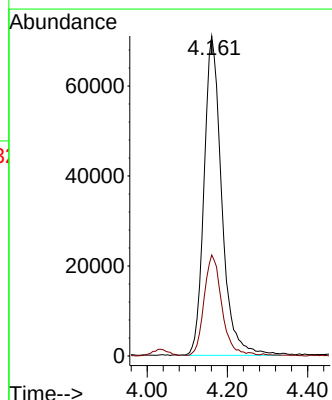
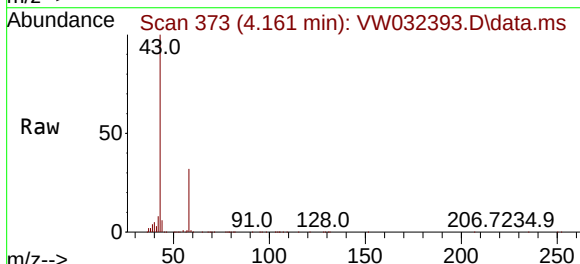
Instrument :
MSVOA_W
ClientSampleId :
PR132-S10-000022-20251017

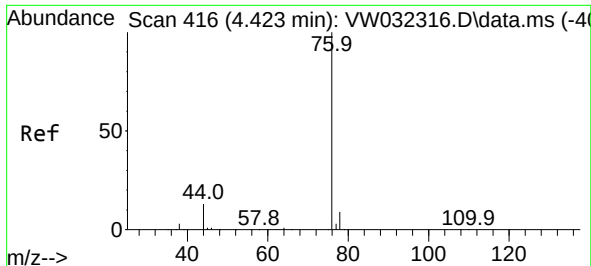
Tgt Ion:168 Resp: 222878
Ion Ratio Lower Upper
168 100
99 67.5 49.3 73.9



#16
Acetone
Concen: 241.522 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion: 43 Resp: 217401
Ion Ratio Lower Upper
43 100
58 31.4 25.3 37.9

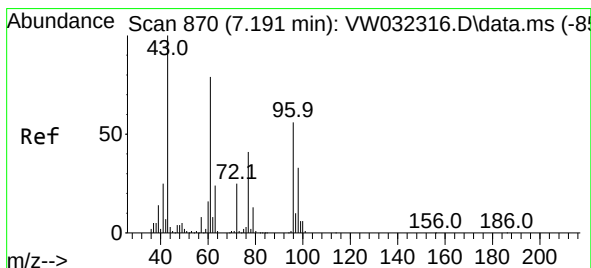
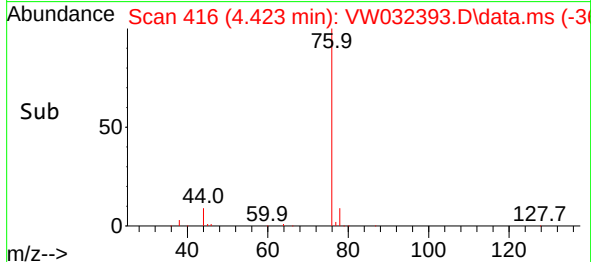
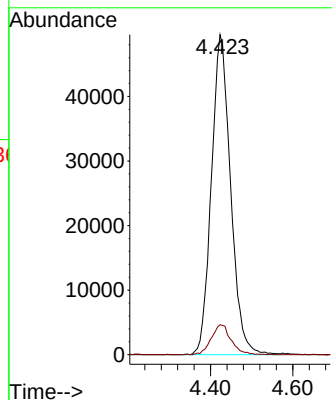
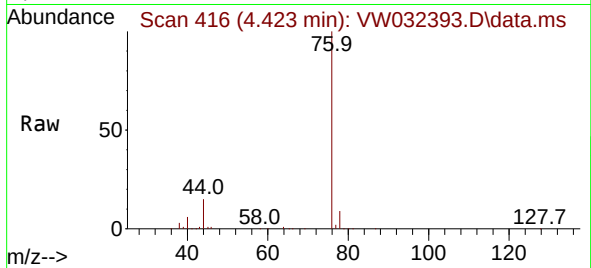




#17
Carbon Disulfide
Concen: 23.463 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

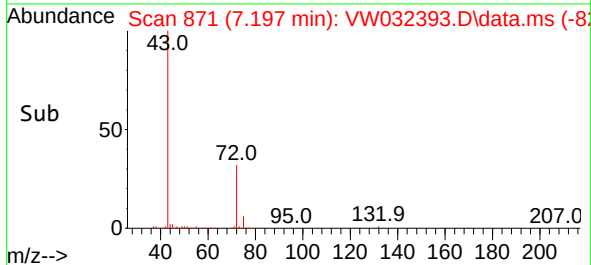
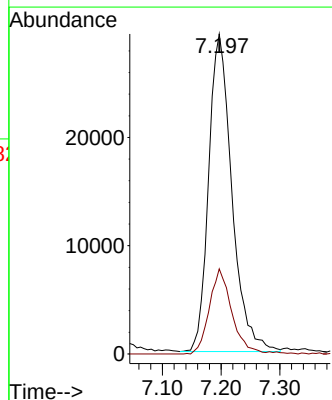
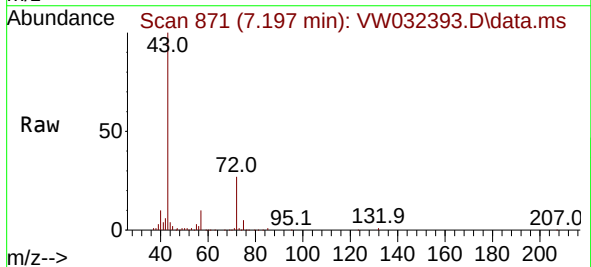
Instrument :
MSVOA_W
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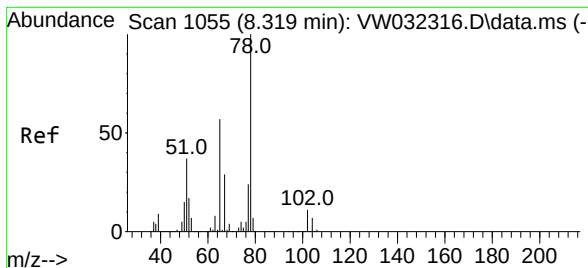
Tgt Ion: 76 Resp: 160809
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#25
2-Butanone
Concen: 65.714 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion: 43 Resp: 80561
Ion Ratio Lower Upper
43 100
72 26.8 21.4 32.2





#33

1,2-Dichloroethane-d4

Concen: 64.320 ug/l

RT: 8.319 min Scan# 110

Delta R.T. -0.000 min

Lab File: VW032393.D

Acq: 20 Oct 2025 16:46

Instrument :

MSVOA_W

ClientSampleId :

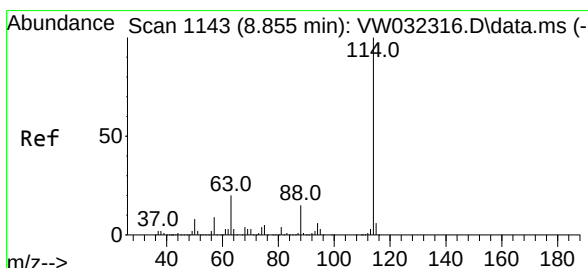
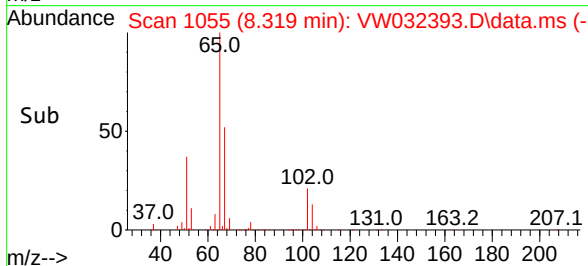
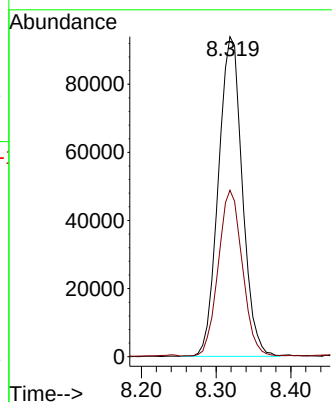
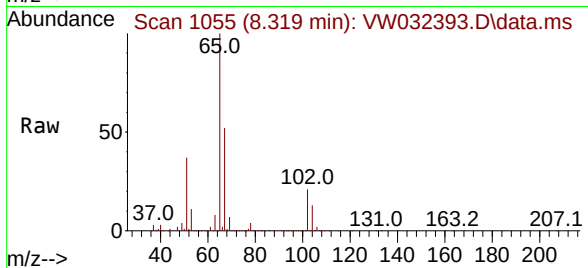
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Tgt Ion: 65 Resp: 209091

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.007 min

Lab File: VW032393.D

Acq: 20 Oct 2025 16:46

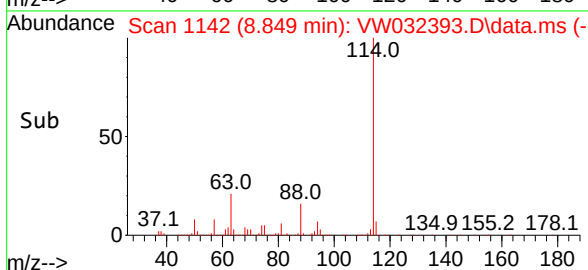
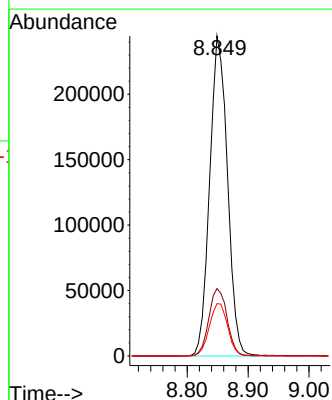
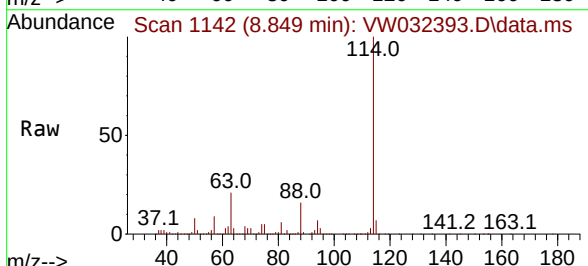
Tgt Ion: 114 Resp: 495532

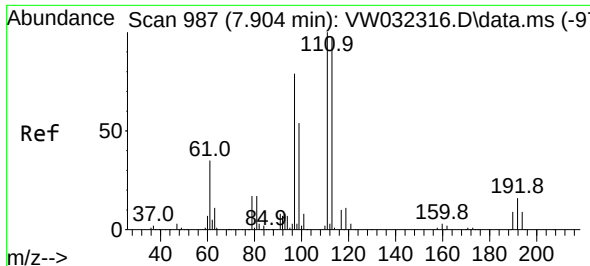
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

88 16.4 0.0 32.0

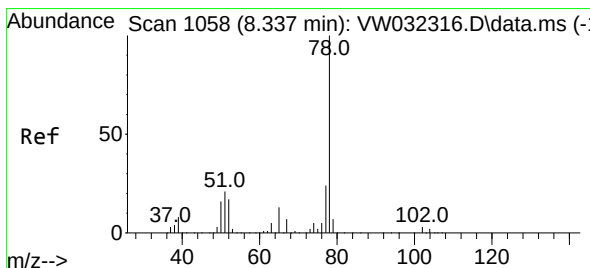
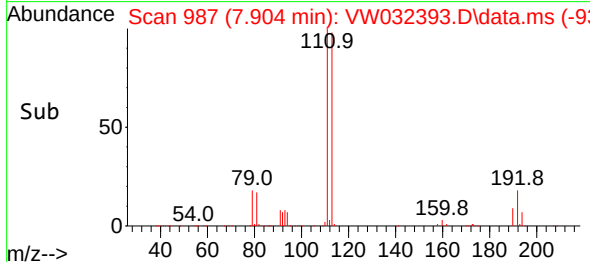
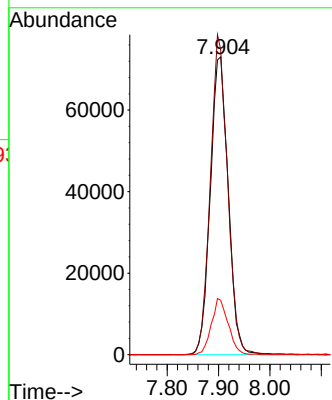
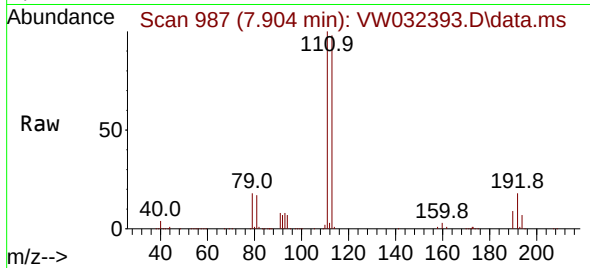




#35
Dibromofluoromethane
Concen: 55.088 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

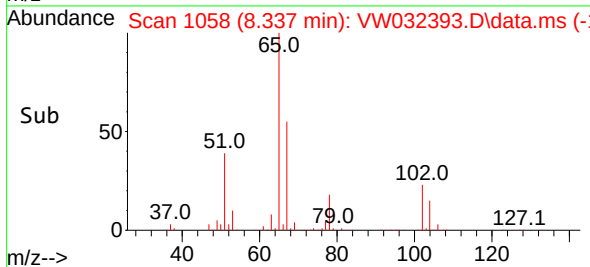
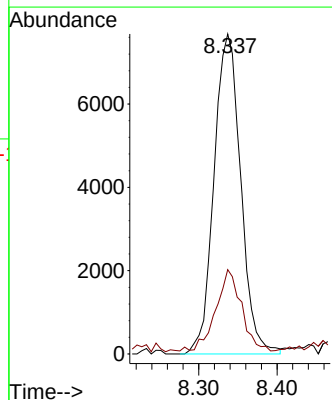
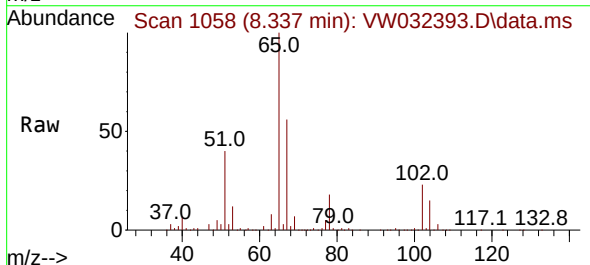
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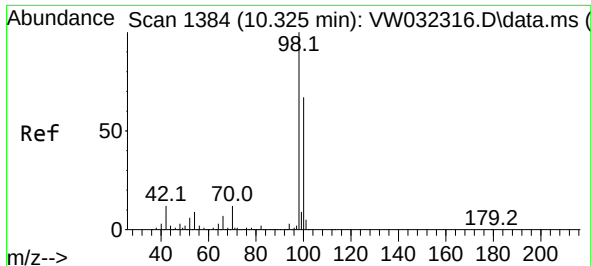
Tgt Ion:113 Resp: 176785
Ion Ratio Lower Upper
113 100
111 103.3 83.9 125.9
192 17.7 14.6 21.8



#40
Benzene
Concen: 1.282 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion: 78 Resp: 18202
Ion Ratio Lower Upper
78 100
77 25.4 20.7 31.1

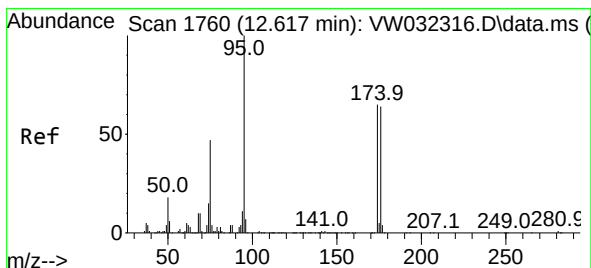
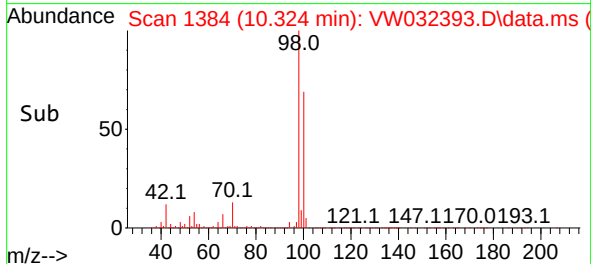
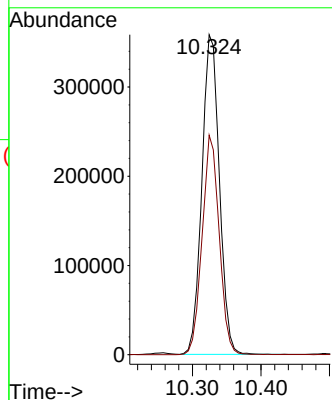
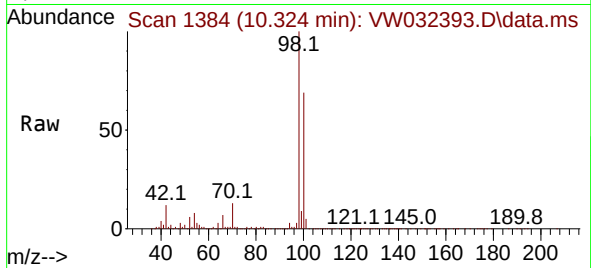




#50
Toluene-d8
Concen: 53.736 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

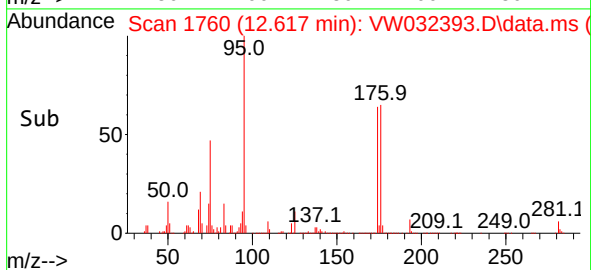
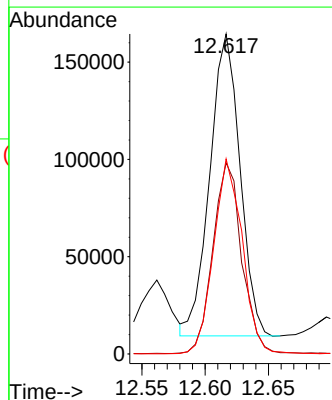
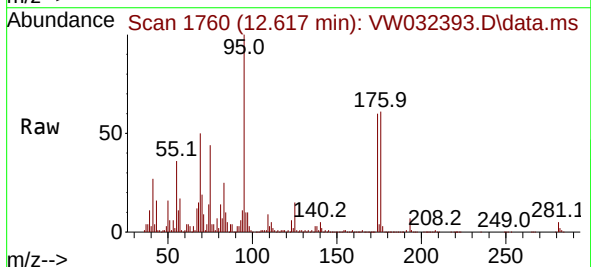
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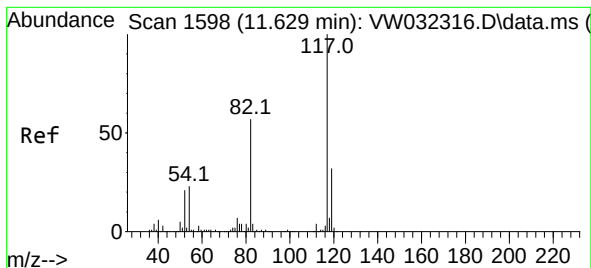
Tgt Ion: 98 Resp: 636458
Ion Ratio Lower Upper
98 100
100 67.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 57.426 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion: 95 Resp: 257079
Ion Ratio Lower Upper
95 100
174 61.2 0.0 145.6
176 61.8 0.0 140.8

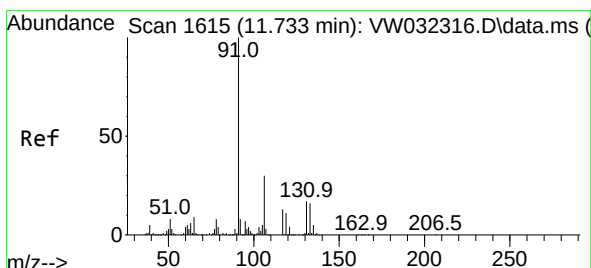
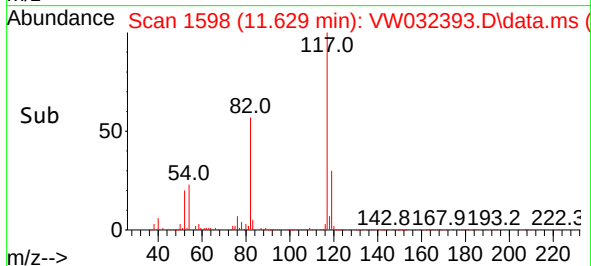
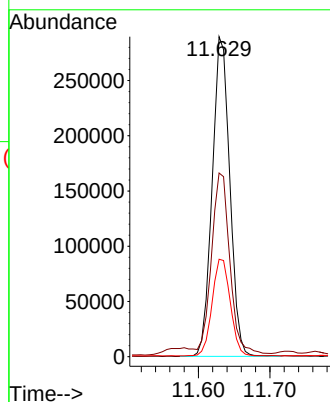
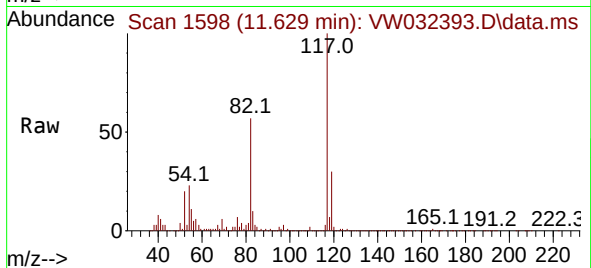




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

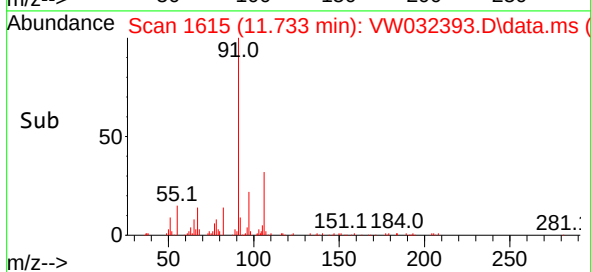
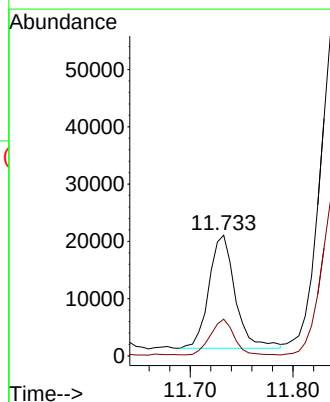
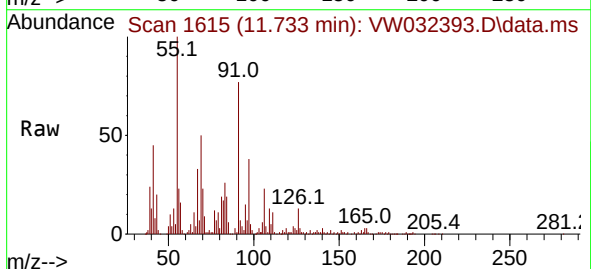
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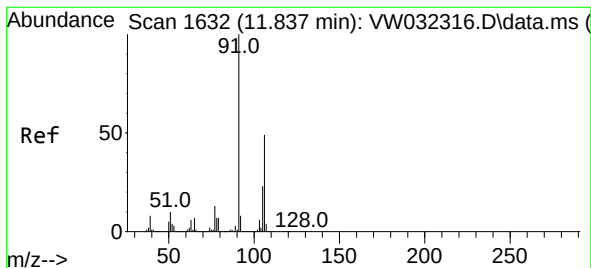
Tgt Ion:117 Resp: 494383
Ion Ratio Lower Upper
117 100
82 55.9 42.7 64.1
119 30.2 25.2 37.8



#67
Ethyl Benzene
Concen: 1.935 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion: 91 Resp: 35079
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

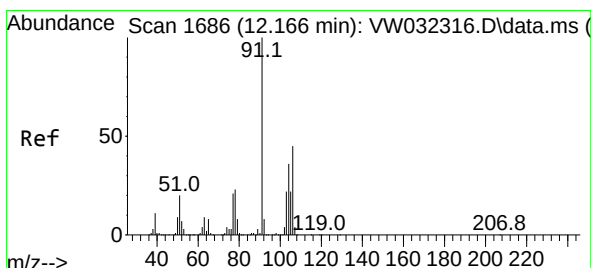
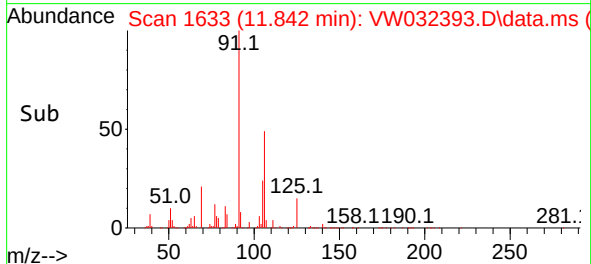
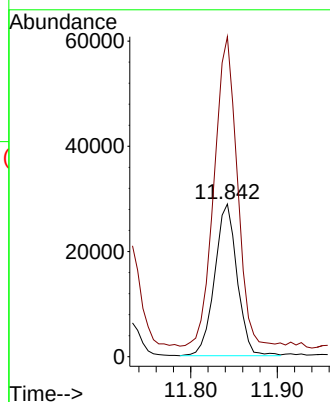
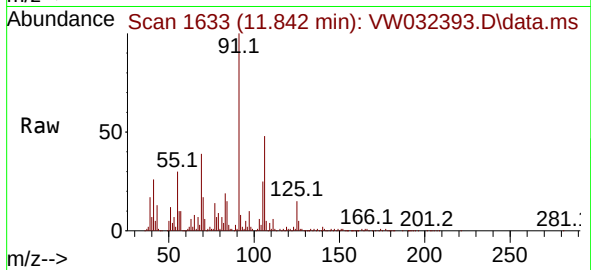




#68
m/p-Xylenes
Concen: 7.449 ug/l
RT: 11.842 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

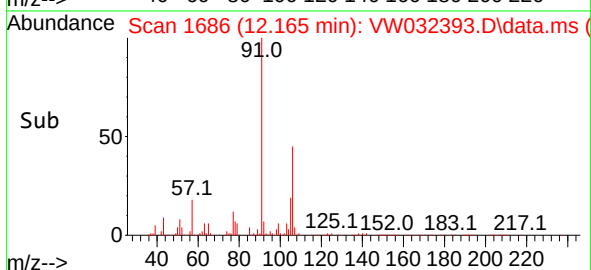
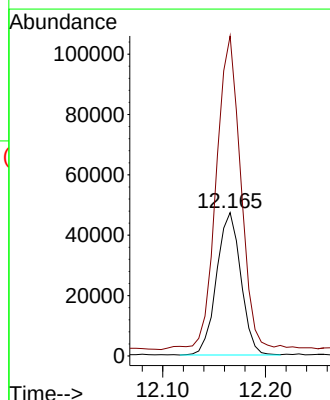
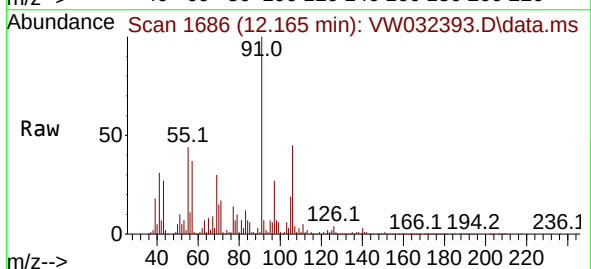
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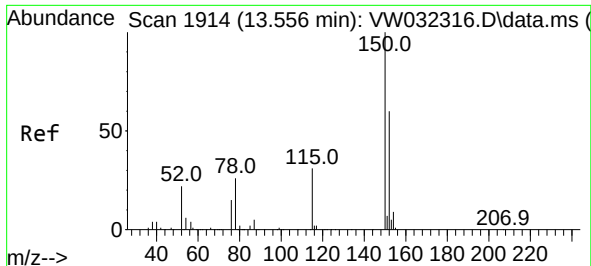
Tgt Ion:106 Resp: 52085
Ion Ratio Lower Upper
106 100
91 208.5 164.2 246.2



#69
o-Xylene
Concen: 11.806 ug/l
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion:106 Resp: 77196
Ion Ratio Lower Upper
106 100
91 225.1 108.7 326.3

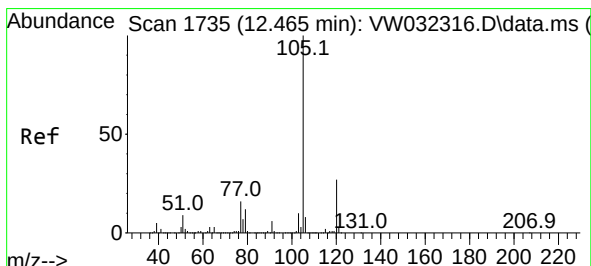
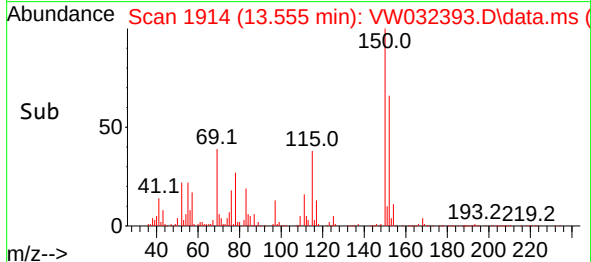
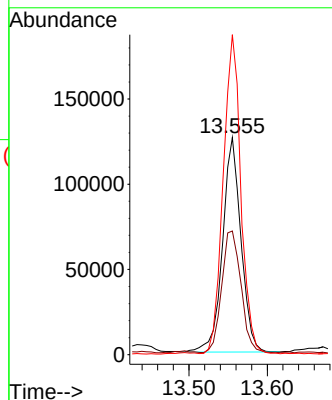
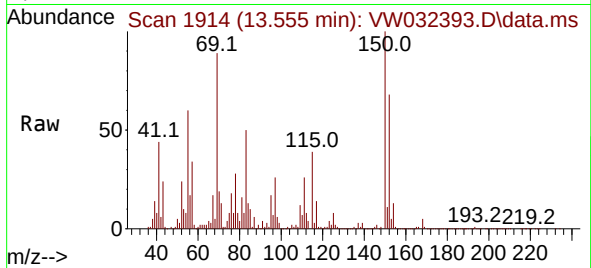




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

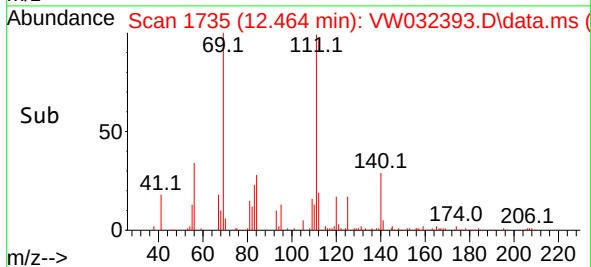
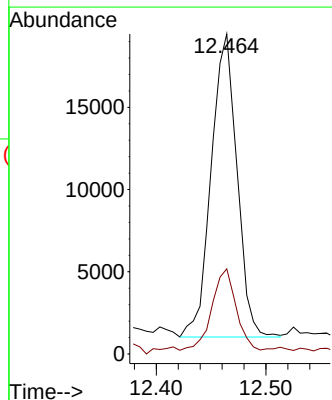
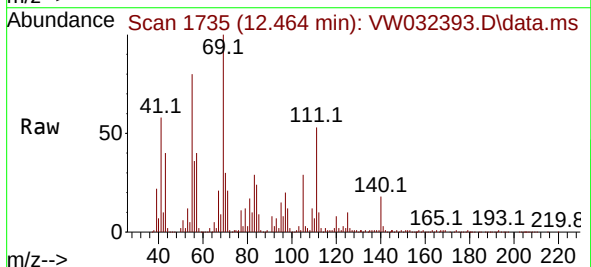
Instrument :
MSVOA_W
ClientSampleId :
PR132-S10-000022-20251017

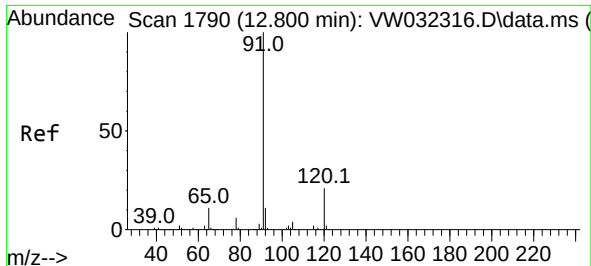
Tgt Ion:152 Resp: 205827
Ion Ratio Lower Upper
152 100
115 59.1 31.8 95.4
150 142.5 0.0 343.0



#73
Isopropylbenzene
Concen: 2.144 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion:105 Resp: 30189
Ion Ratio Lower Upper
105 100
120 25.1 13.0 38.9

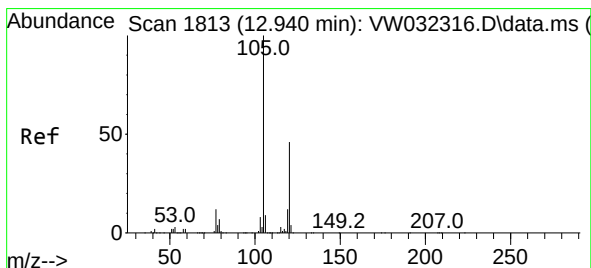
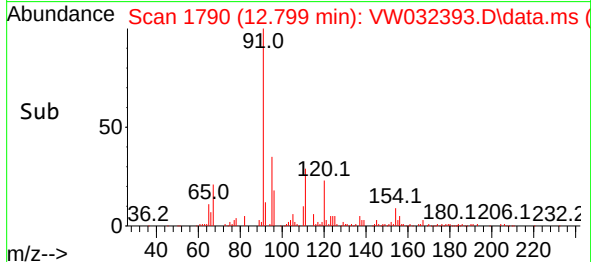
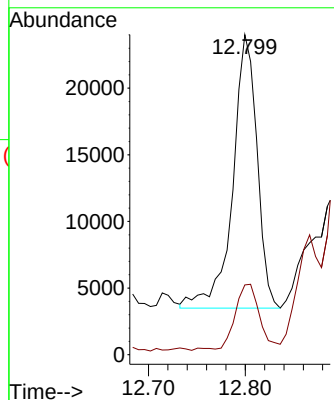
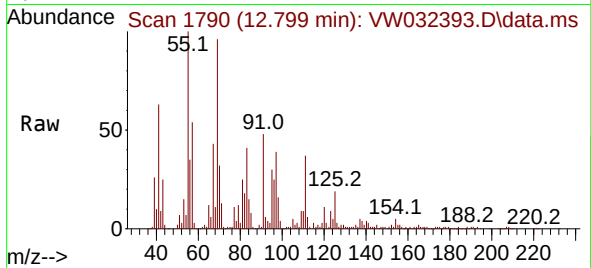




#78
n-propylbenzene
Concen: 2.041 ug/l
RT: 12.799 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

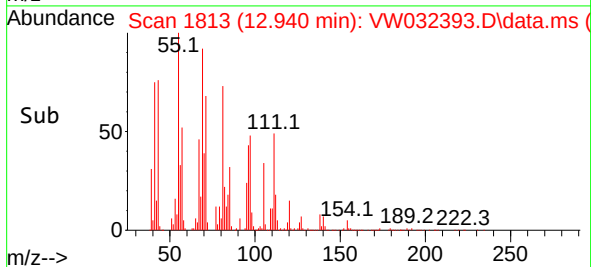
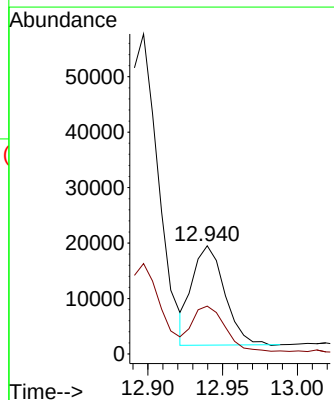
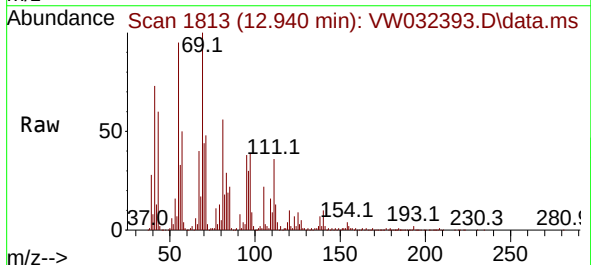
Instrument : MSVOA_W
ClientSampleId : PR132-S10-000022-20251017

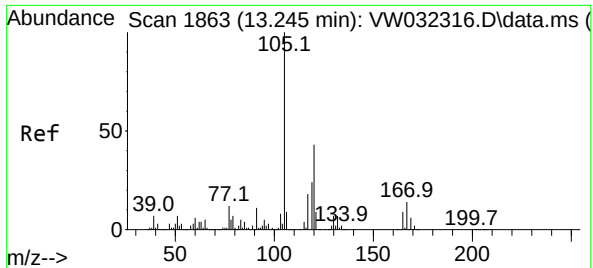
Tgt Ion: 91 Resp: 35908
Ion Ratio Lower Upper
91 100
120 23.3 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 2.222 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032393.D
Acq: 20 Oct 2025 16:46

Tgt Ion: 105 Resp: 27053
Ion Ratio Lower Upper
105 100
120 46.4 24.8 74.4





#84
 1,2,4-Trimethylbenzene
 Concen: 5.877 ug/l
 RT: 13.245 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW032393.D
 Acq: 20 Oct 2025 16:46

Instrument : MSVOA_W
 ClientSampleId : PR132-S10-000022-20251017

Tgt Ion:105 Resp: 72770
 Ion Ratio Lower Upper
 105 100
 120 38.5 22.1 66.3

