

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032362.D
 Acq On : 06 Oct 2025 16:17
 Operator : SY/MD
 Sample : Q3295-01
 Misc : 5.08g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-10062025

Quant Time: Oct 07 03:48:30 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)

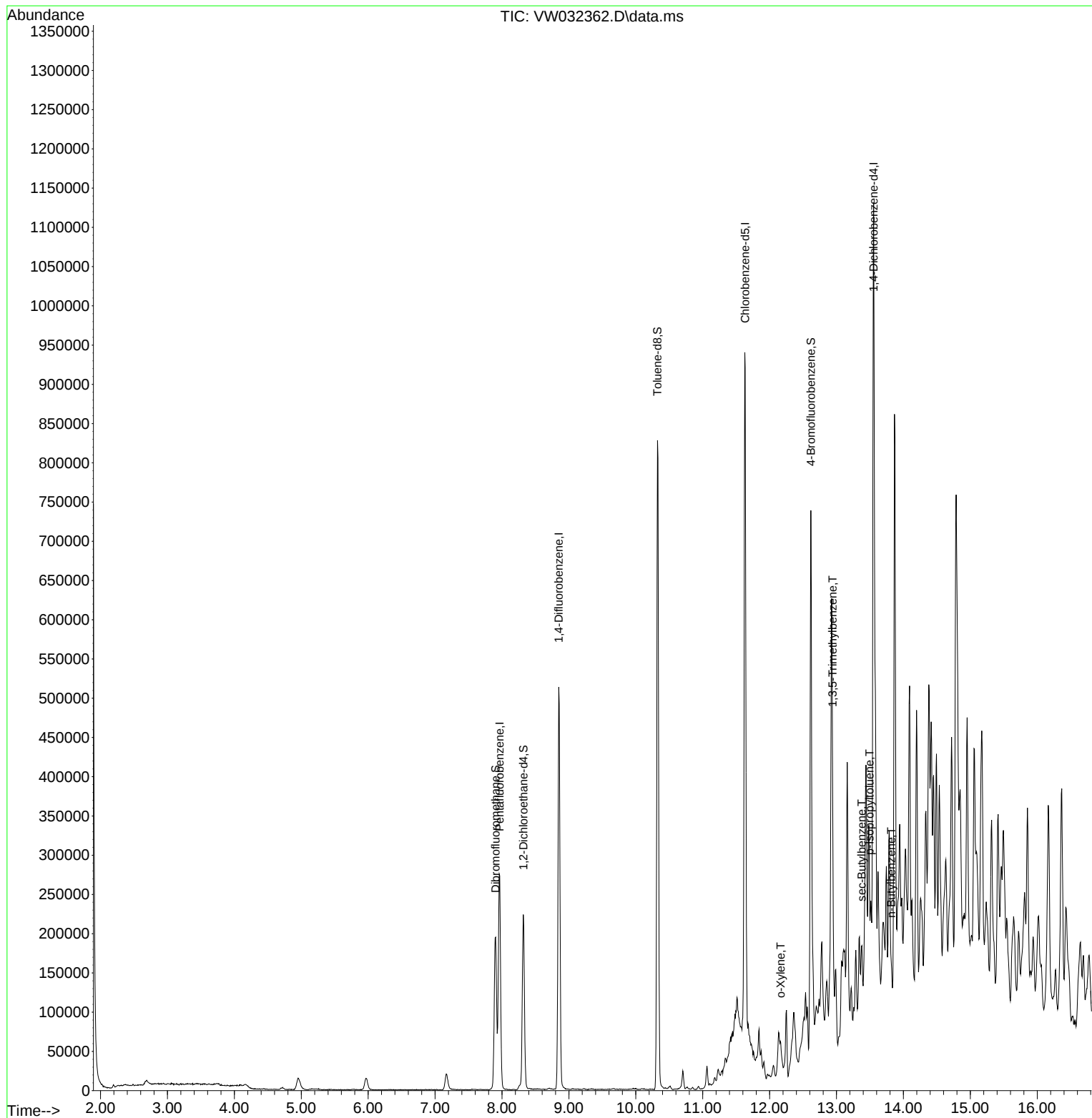
Internal Standards						
1) Pentafluorobenzene	7.965	168	186060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	425683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	482276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	240871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	184011	67.806	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 135.620%		
35) Dibromofluoromethane	7.904	113	149946	54.392	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 108.780%		
50) Toluene-d8	10.325	98	563083	55.342	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 110.680%		
62) 4-Bromofluorobenzene	12.617	95	233093	60.612	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 121.220%		
Target Compounds						Qvalue
69) o-Xylene	12.166	106	6852	1.074	ug/l	86
80) 1,3,5-Trimethylbenzene	12.940	105	48988	3.438	ug/l	97
85) sec-Butylbenzene	13.379	105	32794	1.835	ug/l	90
86) p-Isopropyltoluene	13.495	119	30139	2.033	ug/l	98
89) n-Butylbenzene	13.818	91	16225	1.121	ug/l #	63

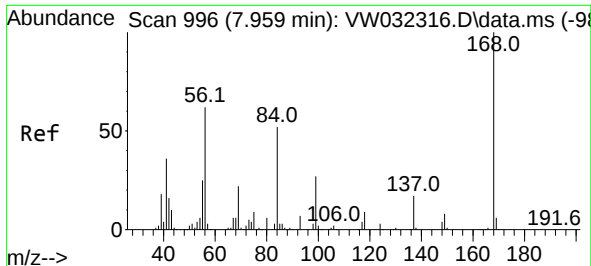
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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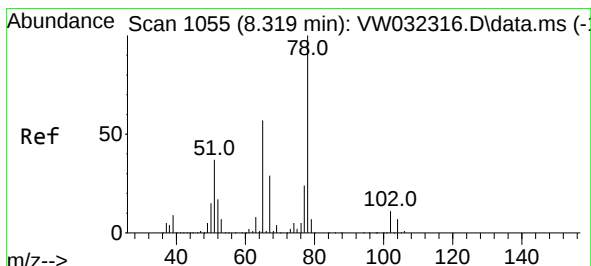
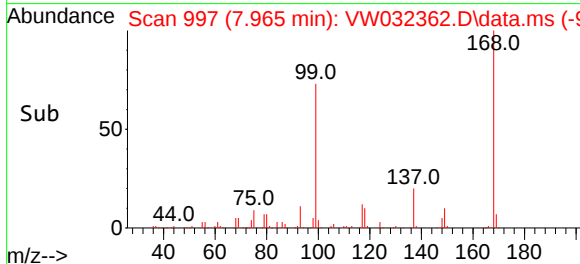
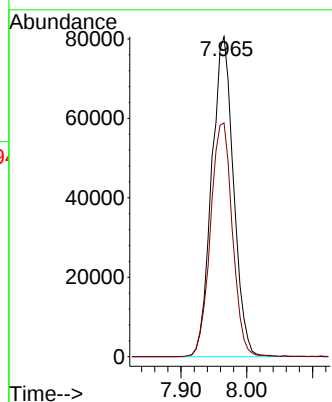
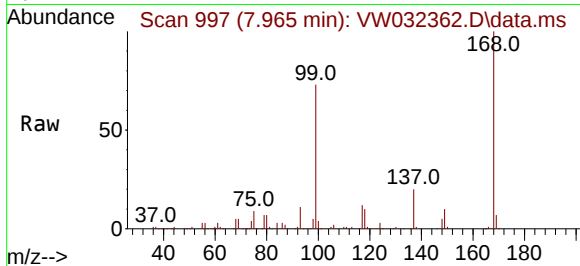




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032362.D
Acq: 06 Oct 2025 16:17

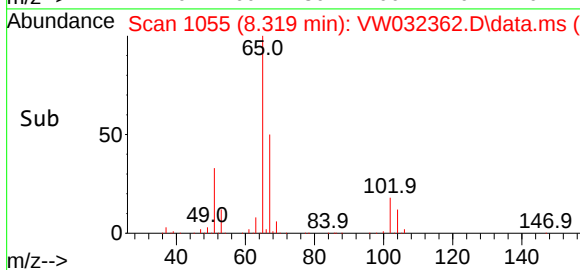
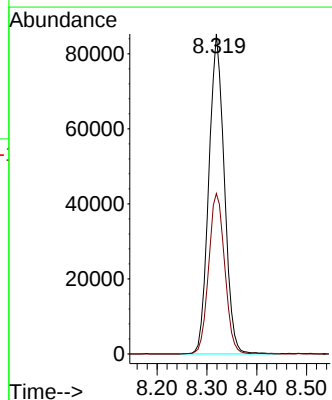
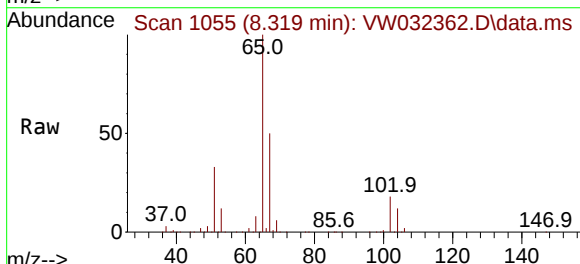
Instrument :
MSVOA_W
ClientSampleId :
EO-01-10062025

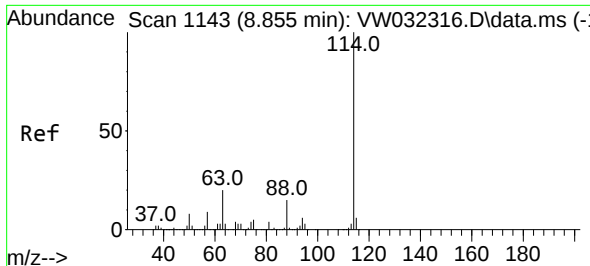
Tgt Ion:168 Resp: 186060
Ion Ratio Lower Upper
168 100
99 72.9 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 67.806 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032362.D
Acq: 06 Oct 2025 16:17

Tgt Ion: 65 Resp: 184011
Ion Ratio Lower Upper
65 100
67 51.8 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: VW032362.D

Acq: 06 Oct 2025 16:17

Instrument :

MSVOA_W

ClientSampleId :

EO-01-10062025

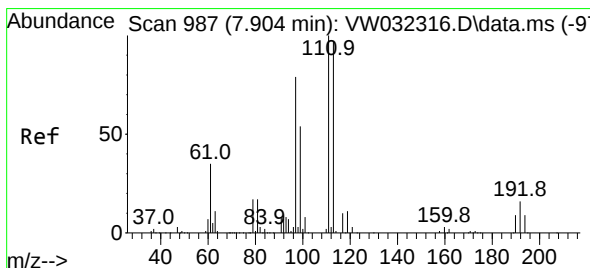
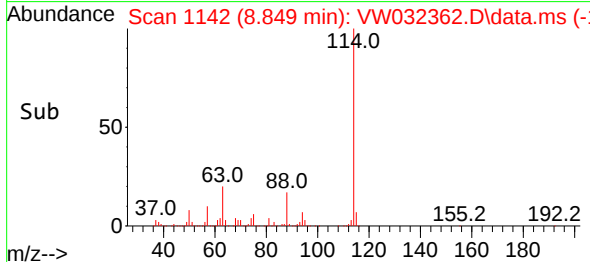
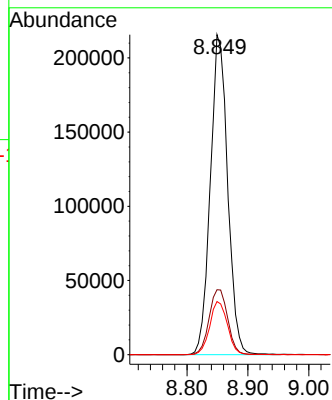
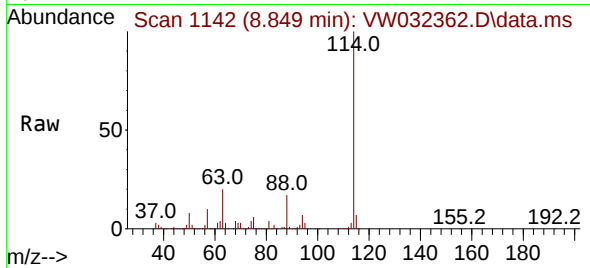
Tgt Ion:114 Resp: 425683

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

88 16.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 54.392 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032362.D

Acq: 06 Oct 2025 16:17

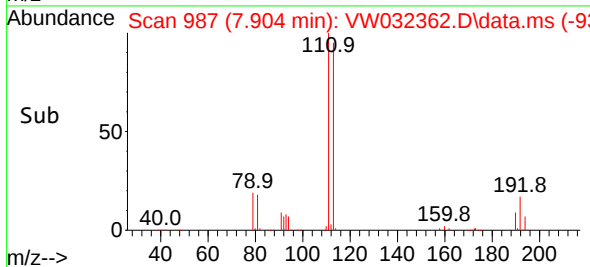
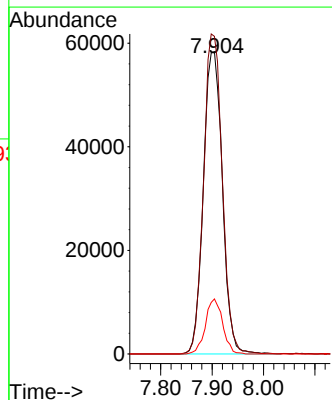
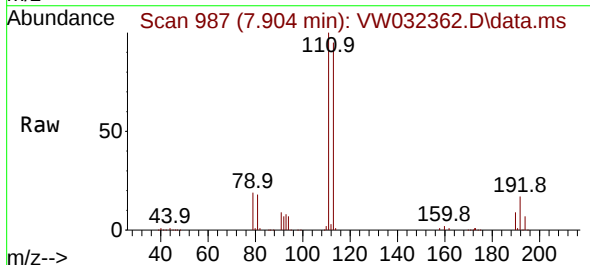
Tgt Ion:113 Resp: 149946

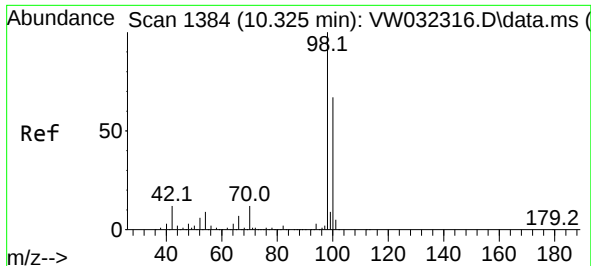
Ion Ratio Lower Upper

113 100

111 103.9 83.9 125.9

192 16.5 14.6 21.8

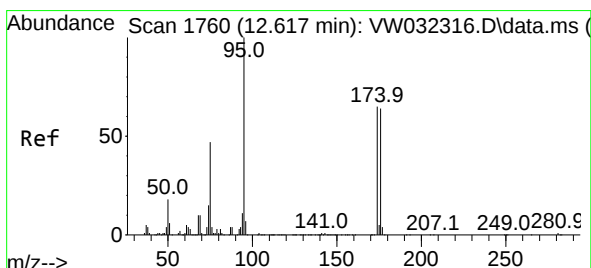
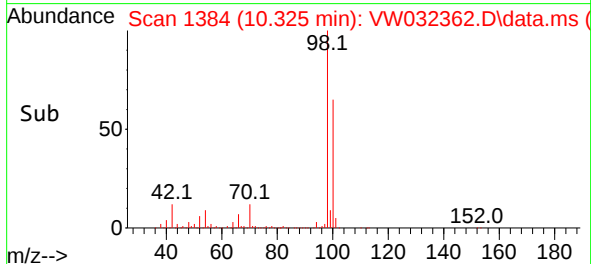
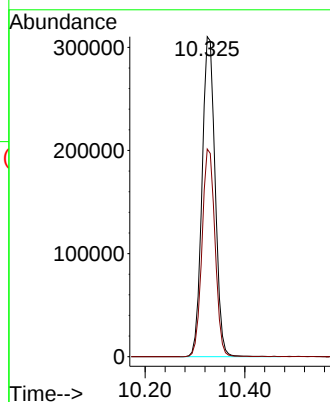
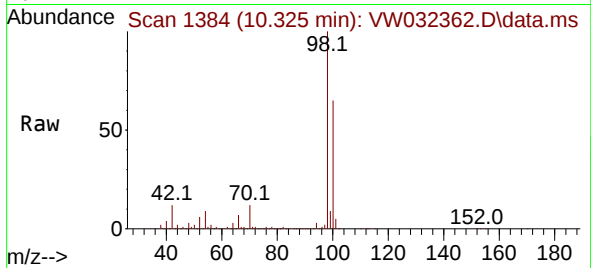




#50
Toluene-d8
Concen: 55.342 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032362.D
Acq: 06 Oct 2025 16:17

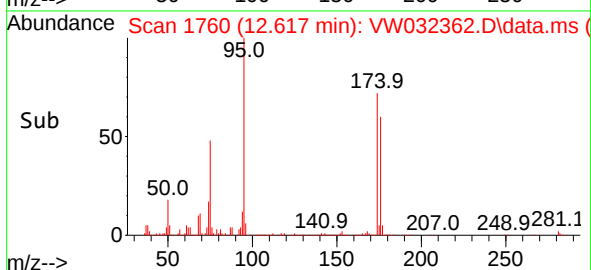
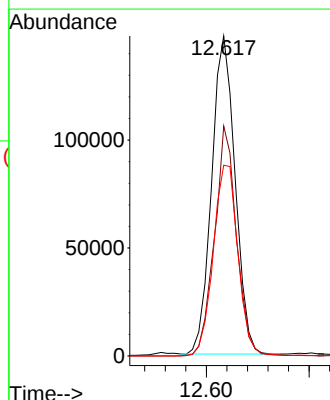
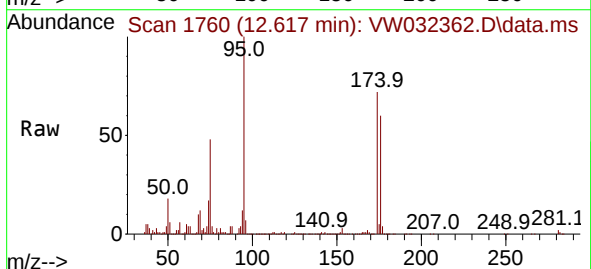
Instrument :
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ClientSampleId :
EO-01-10062025

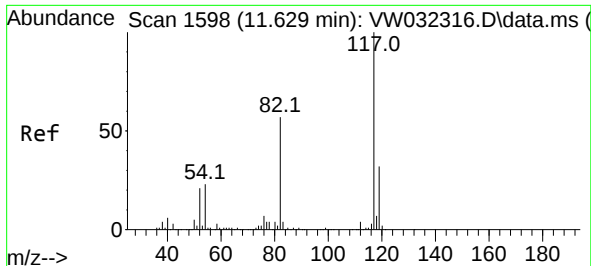
Tgt Ion: 98 Resp: 563083
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 60.612 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032362.D
Acq: 06 Oct 2025 16:17

Tgt Ion: 95 Resp: 233093
Ion Ratio Lower Upper
95 100
174 67.8 0.0 145.6
176 63.3 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: VW032362.D

Acq: 06 Oct 2025 16:17

Instrument :

MSVOA_W

ClientSampleId :

EO-01-10062025

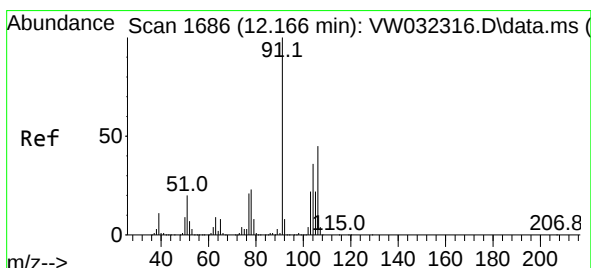
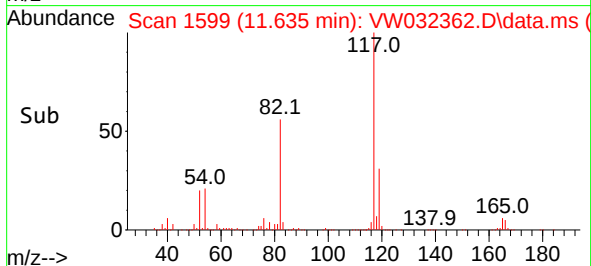
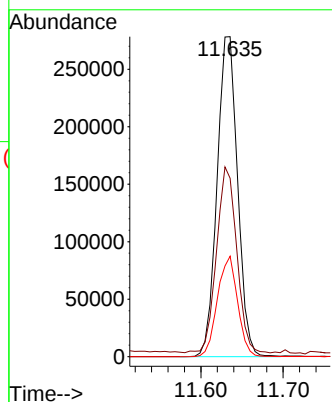
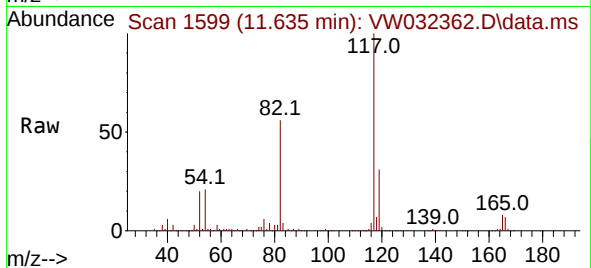
Tgt Ion:117 Resp: 482276

Ion Ratio Lower Upper

117 100

82 54.5 42.7 64.1

119 31.4 25.2 37.8



#69

o-Xylene

Concen: 1.074 ug/l

RT: 12.166 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VW032362.D

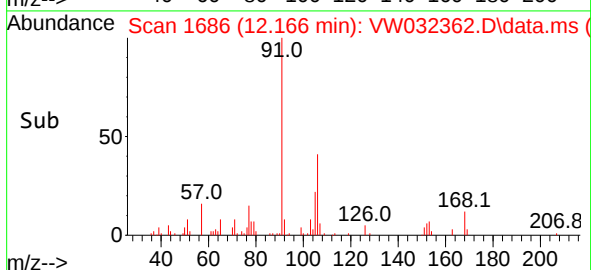
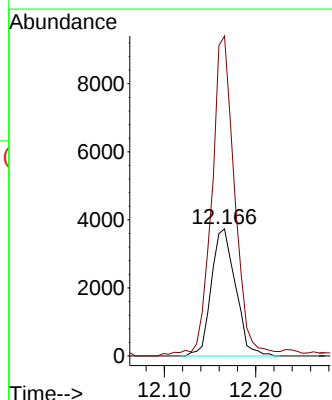
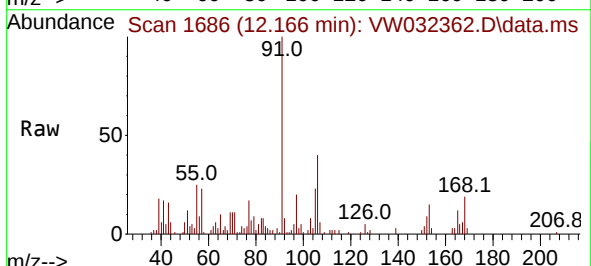
Acq: 06 Oct 2025 16:17

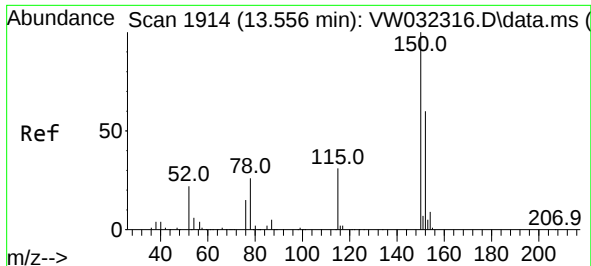
Tgt Ion:106 Resp: 6852

Ion Ratio Lower Upper

106 100

91 239.8 108.7 326.3

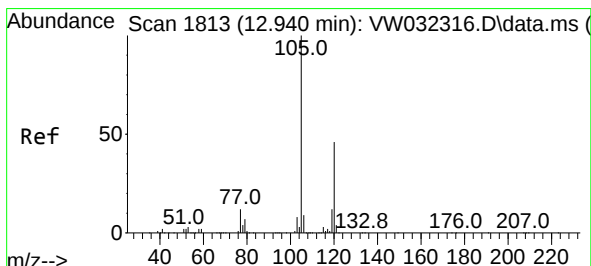
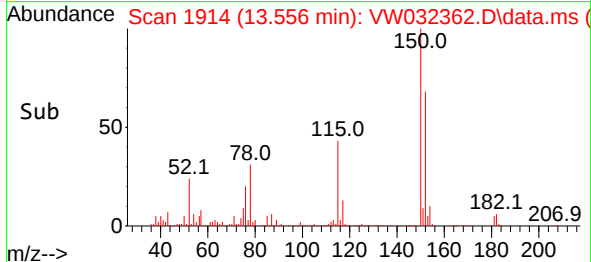
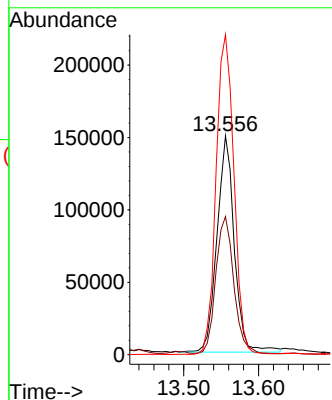
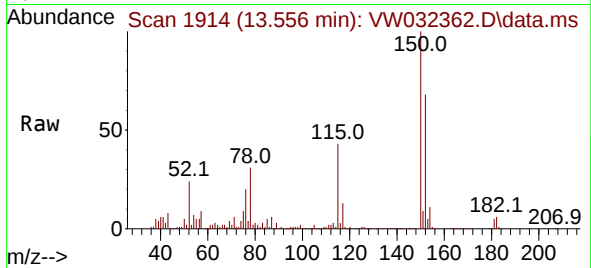




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032362.D
 Acq: 06 Oct 2025 16:17

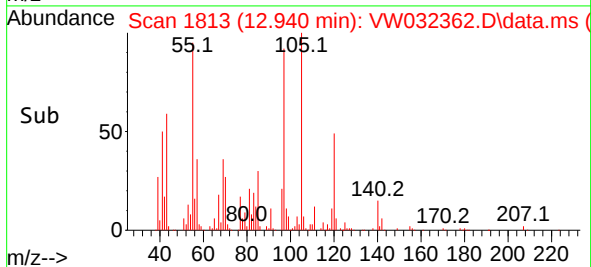
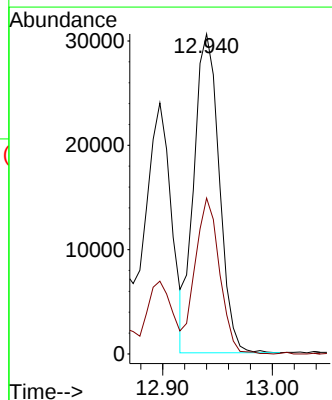
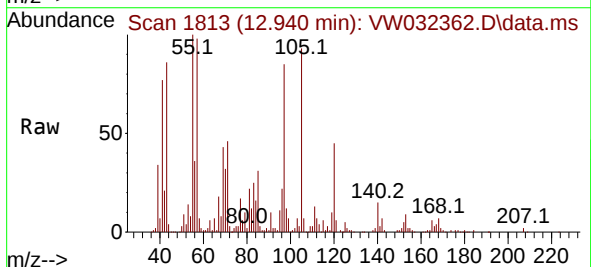
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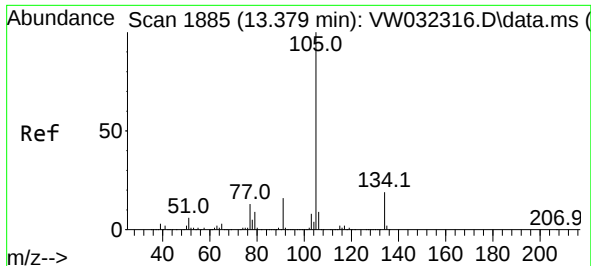
Tgt Ion:152 Resp: 240871
 Ion Ratio Lower Upper
 152 100
 115 65.6 31.8 95.4
 150 152.4 0.0 343.0



#80
 1,3,5-Trimethylbenzene
 Concen: 3.438 ug/l
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW032362.D
 Acq: 06 Oct 2025 16:17

Tgt Ion:105 Resp: 48988
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.8 74.4

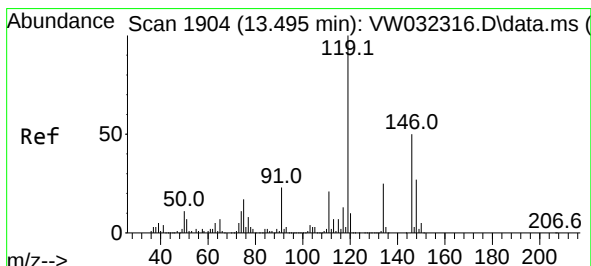
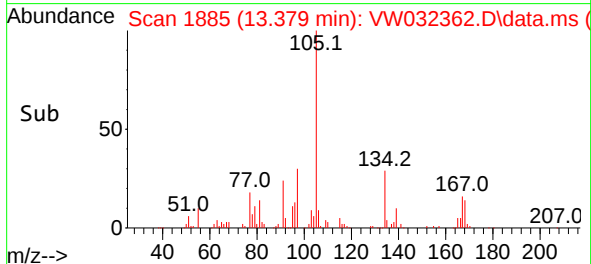
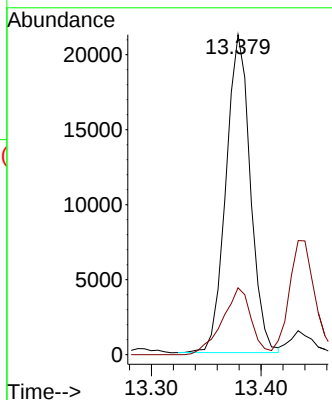
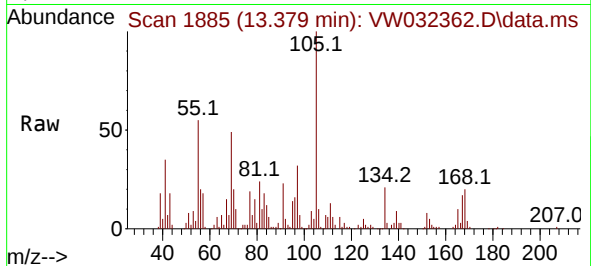




#85
 sec-Butylbenzene
 Concen: 1.835 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032362.D
 Acq: 06 Oct 2025 16:17

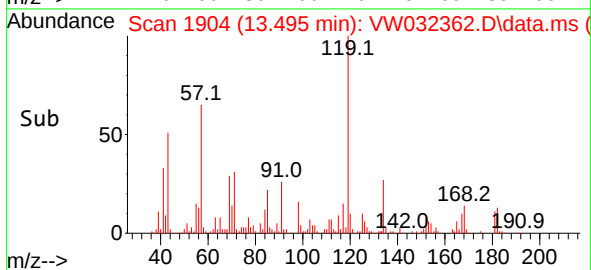
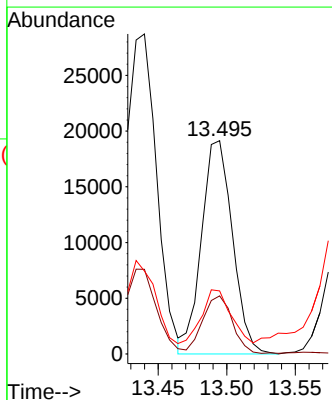
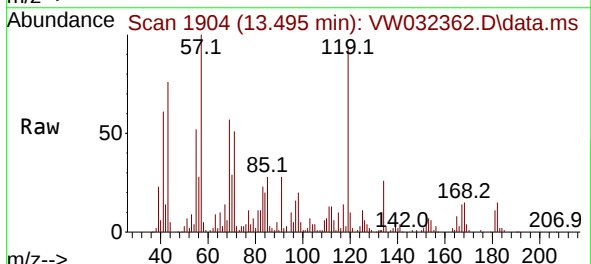
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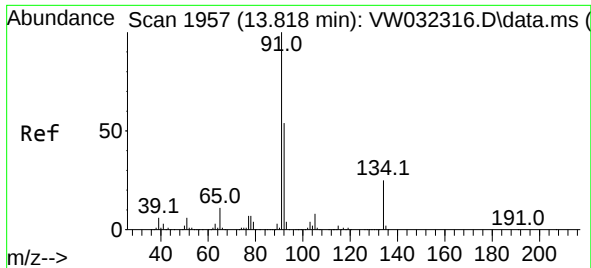
Tgt Ion:105 Resp: 32794
 Ion Ratio Lower Upper
 105 100
 134 24.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 2.033 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032362.D
 Acq: 06 Oct 2025 16:17

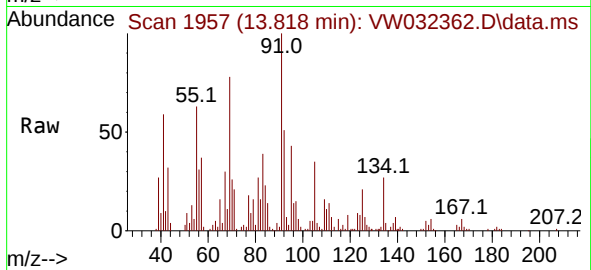
Tgt Ion:119 Resp: 30139
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.6
 91 23.4 12.4 37.0





#89
 n-Butylbenzene
 Concen: 1.121 ug/l
 RT: 13.818 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VW032362.D
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Instrument :
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Tgt Ion:	91	Resp:	16225
Ion	Ratio	Lower	Upper
91	100		
92	75.7	27.0	81.0
134	0.0	13.1	39.3#

