

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032219.D
 Acq On : 19 Sep 2025 16:33
 Operator : SY/MD
 Sample : Q3152-01
 Misc : 5.10g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-091925

Quant Time: Sep 19 23:12:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

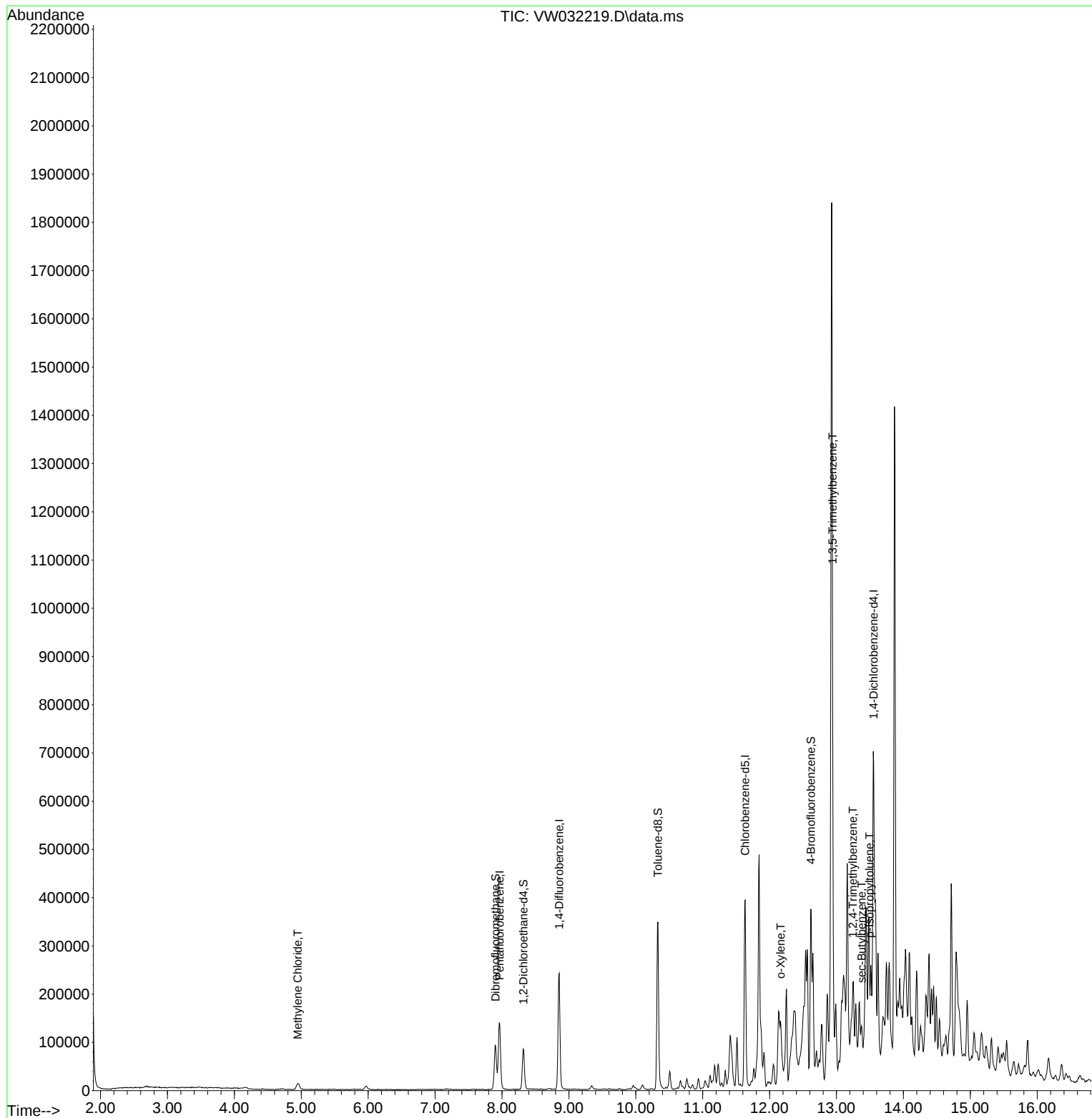
Internal Standards						
1) Pentafluorobenzene	7.965	168	97556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	195019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	212053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	110112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	69121	49.543	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.080%
35) Dibromofluoromethane	7.904	113	64415	47.079	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.160%
50) Toluene-d8	10.330	98	214232	44.602	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.200%
62) 4-Bromofluorobenzene	12.617	95	96477	54.319	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	108.640%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.947	84	9963	4.554	ug/l	100
69) o-Xylene	12.165	106	21362	7.420	ug/l	93
80) 1,3,5-Trimethylbenzene	12.940	105	121459	19.177	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	87050	13.285	ug/l	98
85) sec-Butylbenzene	13.379	105	19323	2.410	ug/l	89
86) p-Isopropyltoluene	13.495	119	22150	3.249	ug/l	98

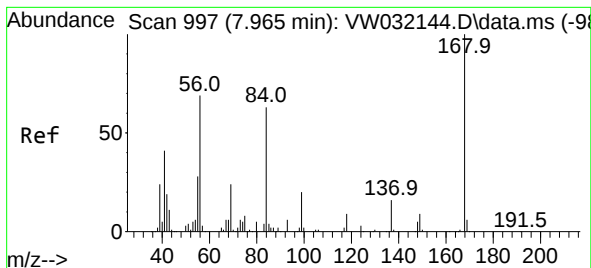
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

Lab File: VW032219.D

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Instrument :

MSVOA_W

ClientSampleId :

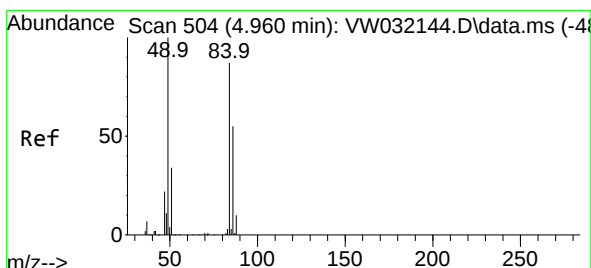
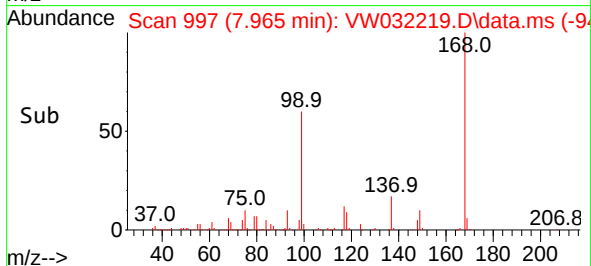
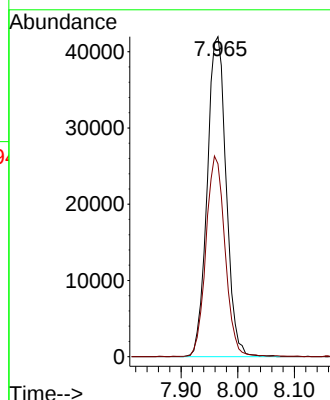
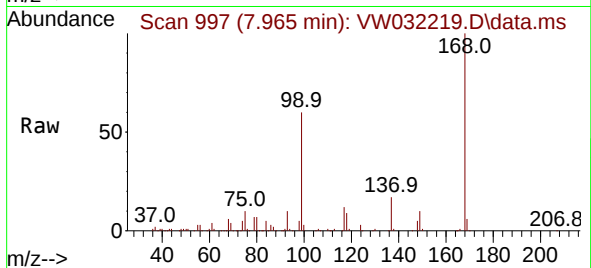
EO-02-091925

Tgt Ion:168 Resp: 97556

Ion Ratio Lower Upper

168 100

99 60.1 49.3 73.9



#20

Methylene Chloride

Concen: 4.554 ug/l

RT: 4.947 min Scan# 502

Delta R.T. -0.013 min

Lab File: VW032219.D

Acq: 19 Sep 2025 16:33

Tgt Ion: 84 Resp: 9963

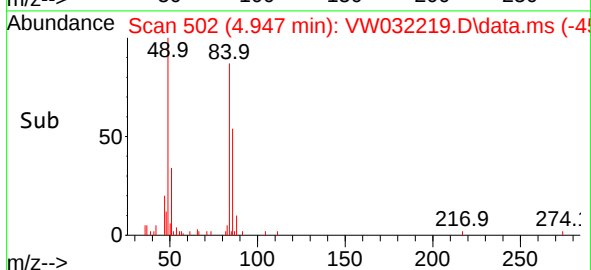
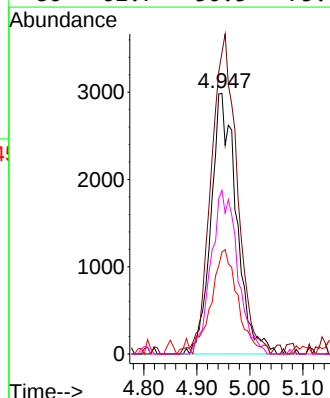
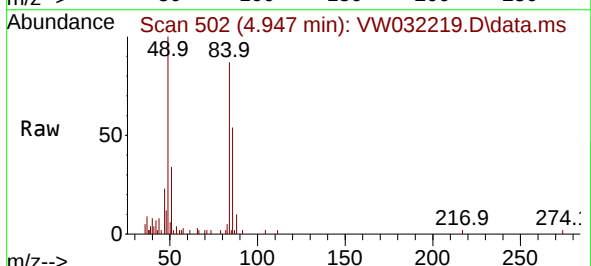
Ion Ratio Lower Upper

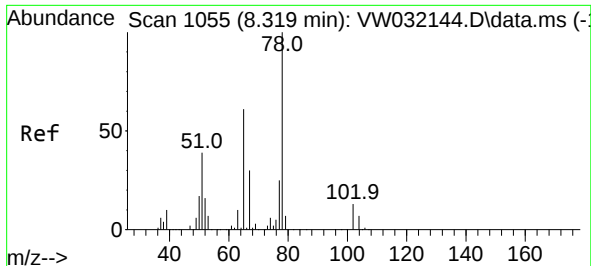
84 100

49 115.6 92.2 138.4

51 39.2 31.0 46.6

86 62.7 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 49.543 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032219.D

Acq: 19 Sep 2025 16:33

Instrument :

MSVOA_W

ClientSampleId :

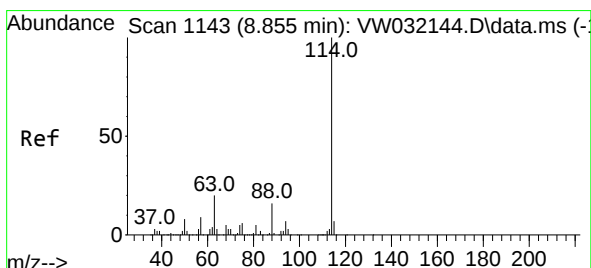
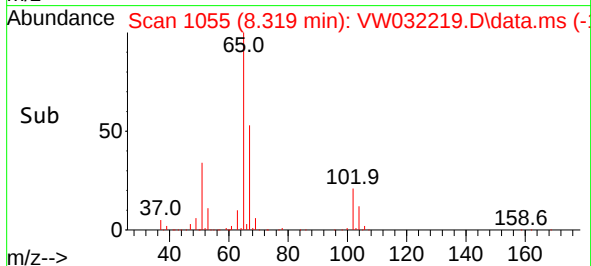
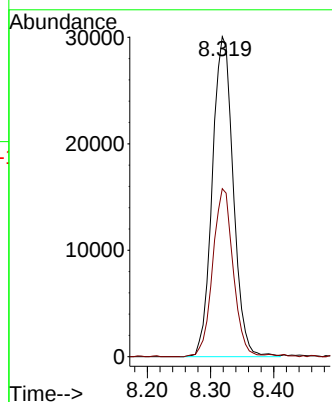
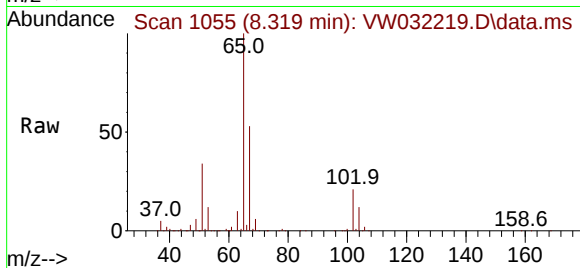
EO-02-091925

Tgt Ion: 65 Resp: 69121

Ion Ratio Lower Upper

65 100

67 51.3 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: VW032219.D

Acq: 19 Sep 2025 16:33

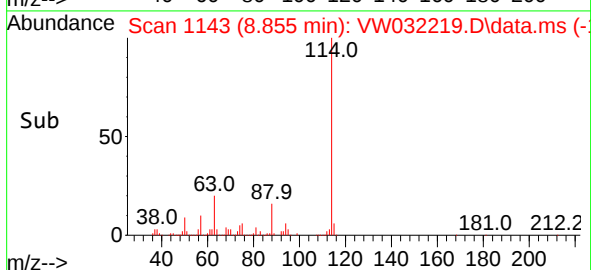
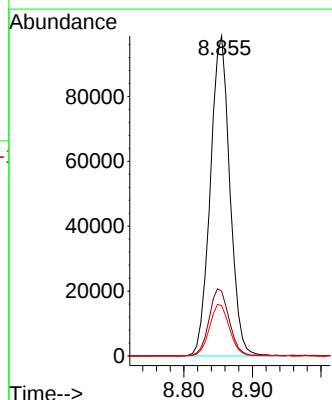
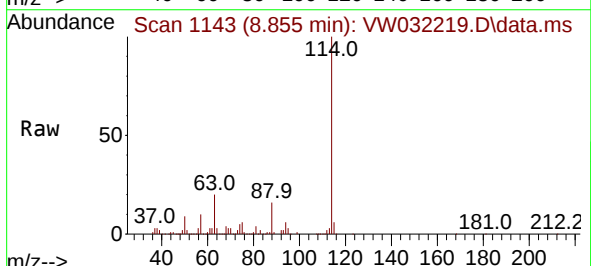
Tgt Ion: 114 Resp: 195019

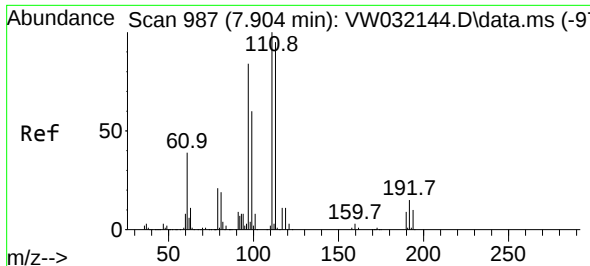
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 15.7 0.0 32.0

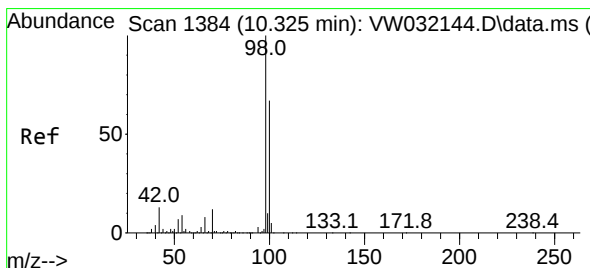
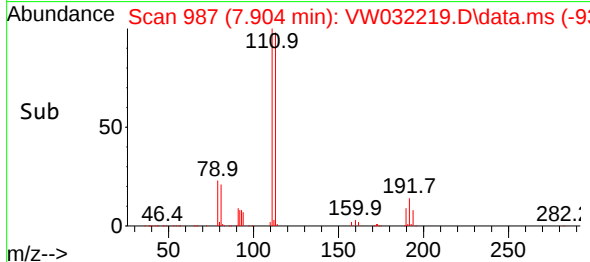
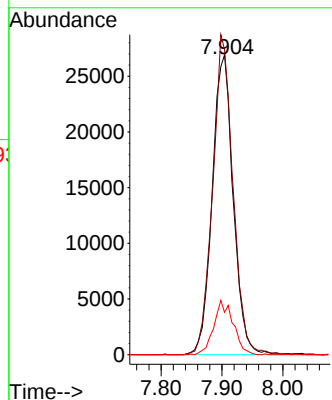
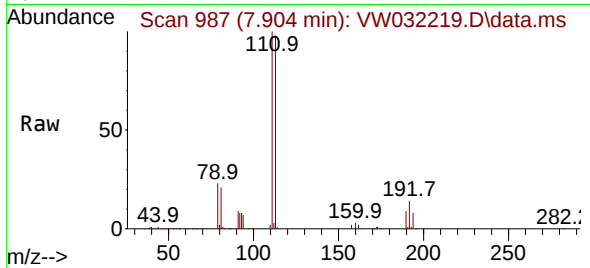




#35
Dibromofluoromethane
Concen: 47.079 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032219.D
Acq: 19 Sep 2025 16:33

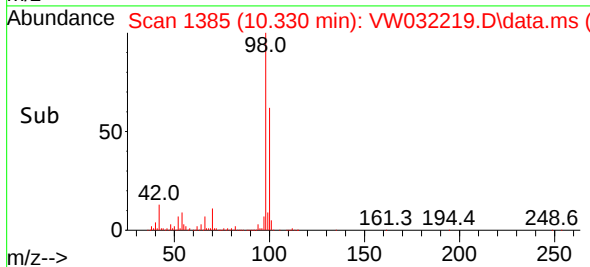
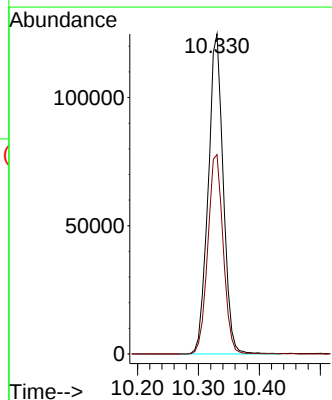
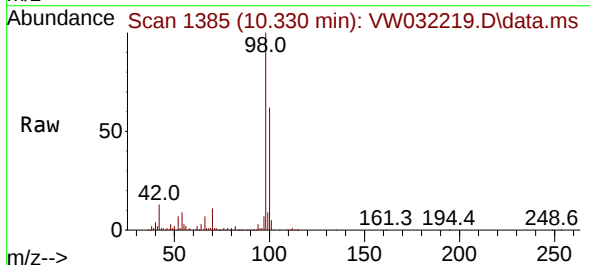
Instrument :
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ClientSampleId :
EO-02-091925

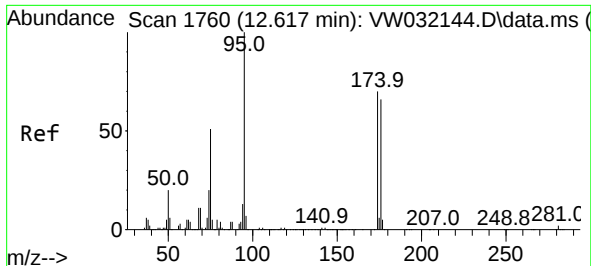
Tgt Ion:113 Resp: 64415
Ion Ratio Lower Upper
113 100
111 103.4 83.9 125.9
192 16.8 14.6 21.8



#50
Toluene-d8
Concen: 44.602 ug/l
RT: 10.330 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032219.D
Acq: 19 Sep 2025 16:33

Tgt Ion: 98 Resp: 214232
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.2

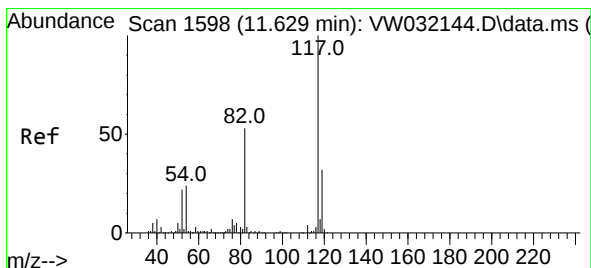
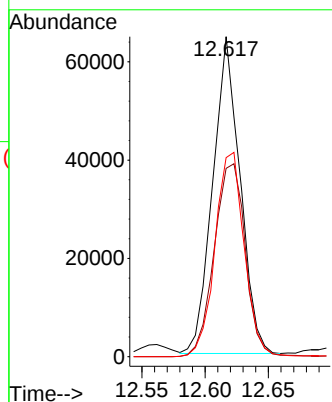
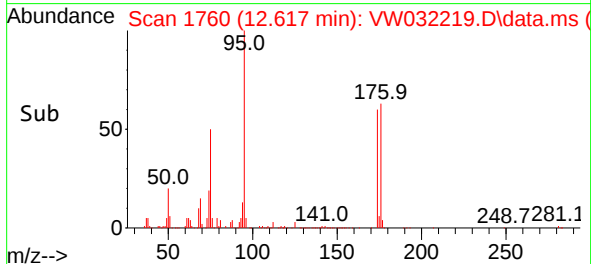
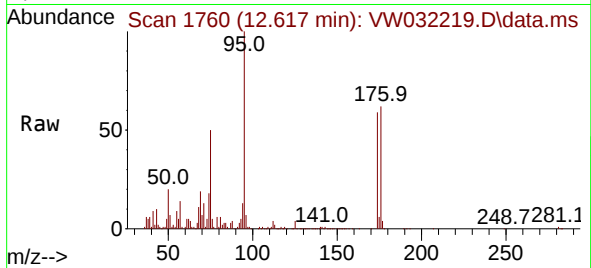




#62
4-Bromofluorobenzene
Concen: 54.319 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032219.D
Acq: 19 Sep 2025 16:33

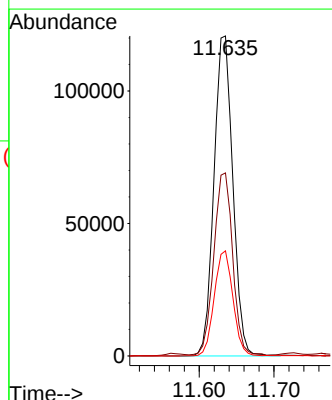
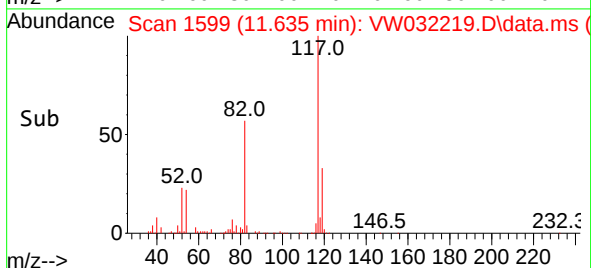
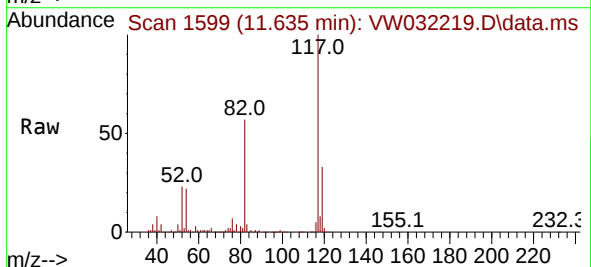
Instrument :
MSVOA_W
ClientSampleId :
EO-02-091925

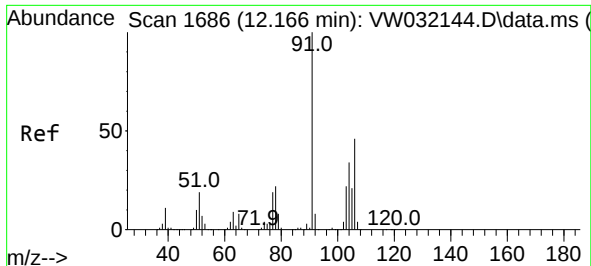
Tgt Ion: 95 Resp: 96477
Ion Ratio Lower Upper
95 100
174 69.8 0.0 145.6
176 69.4 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032219.D
Acq: 19 Sep 2025 16:33

Tgt Ion:117 Resp: 212053
Ion Ratio Lower Upper
117 100
82 56.7 42.7 64.1
119 32.9 25.2 37.8

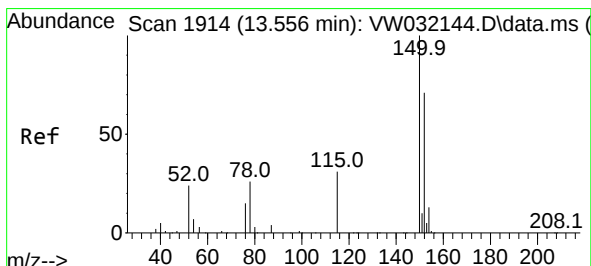
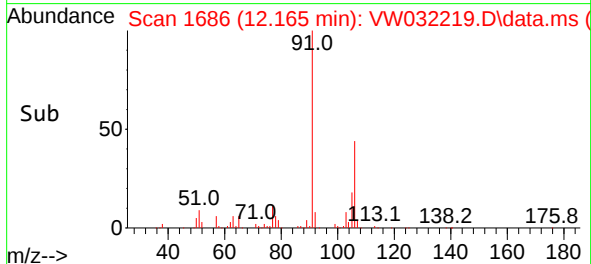
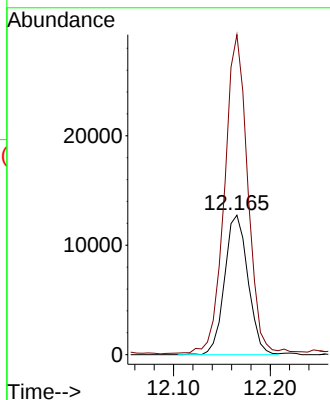
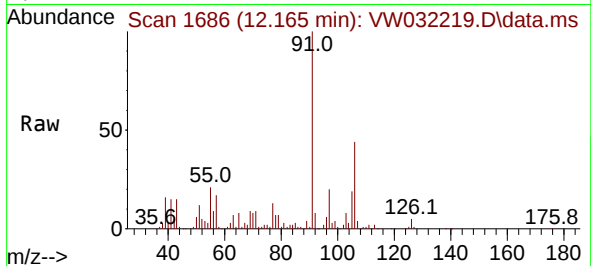




#69
o-Xylene
Concen: 7.420 ug/l
RT: 12.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032219.D
Acq: 19 Sep 2025 16:33

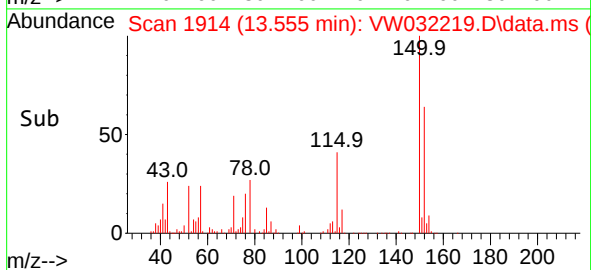
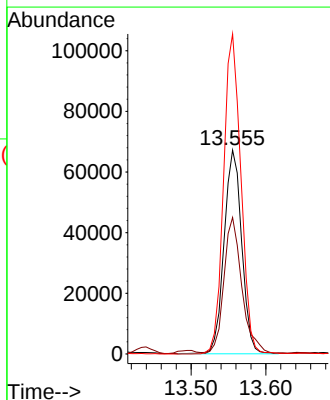
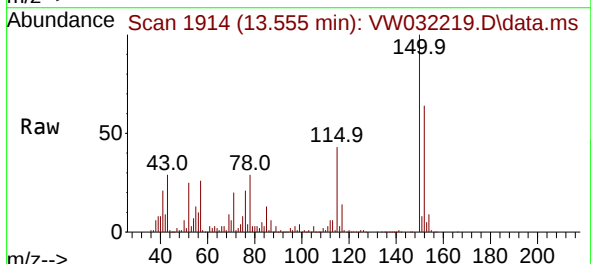
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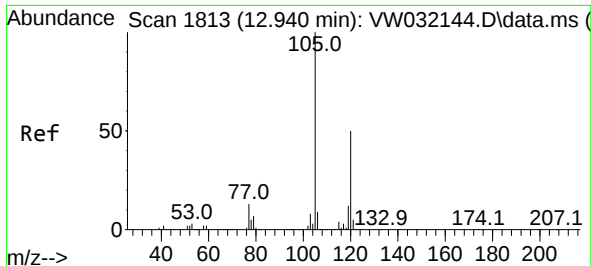
Tgt Ion:106 Resp: 21362
Ion Ratio Lower Upper
106 100
91 228.4 108.7 326.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032219.D
Acq: 19 Sep 2025 16:33

Tgt Ion:152 Resp: 110112
Ion Ratio Lower Upper
152 100
115 67.7 31.8 95.4
150 154.5 0.0 343.0

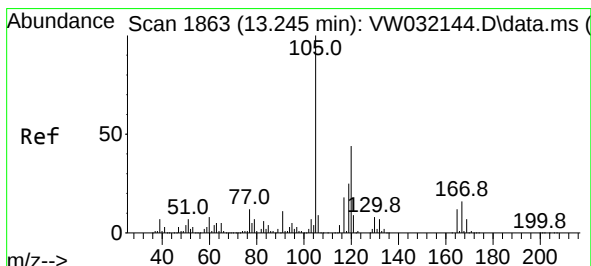
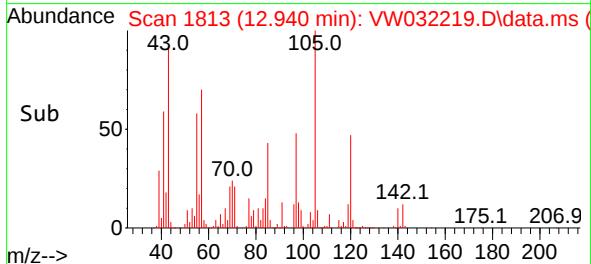
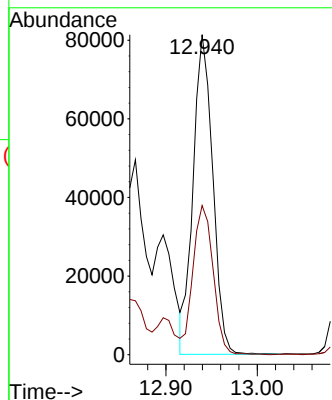
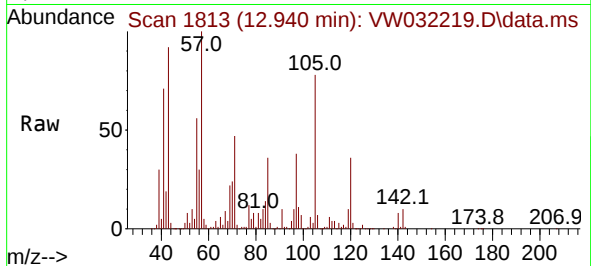




#80
 1,3,5-Trimethylbenzene
 Concen: 19.177 ug/l
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW032219.D
 Acq: 19 Sep 2025 16:33

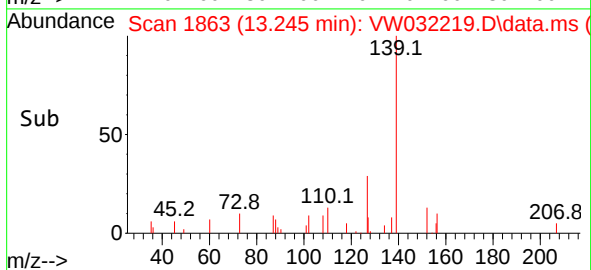
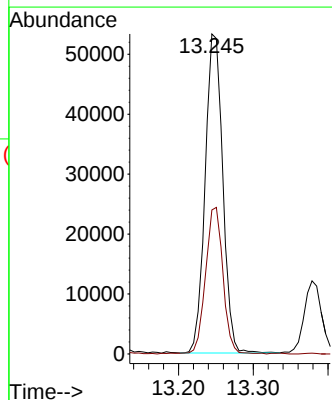
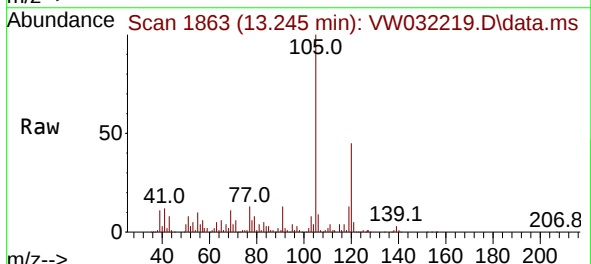
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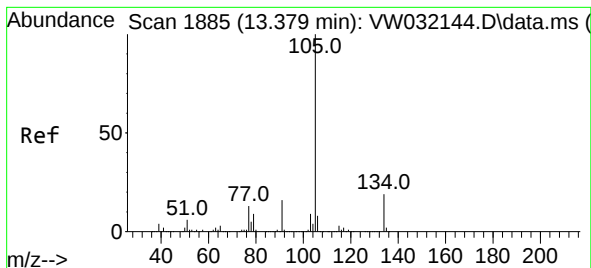
Tgt Ion:105 Resp: 121459
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.8 74.4



#84
 1,2,4-Trimethylbenzene
 Concen: 13.285 ug/l
 RT: 13.245 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: VW032219.D
 Acq: 19 Sep 2025 16:33

Tgt Ion:105 Resp: 87050
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.1 66.3





#85

sec-Butylbenzene

Concen: 2.410 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032219.D

Acq: 19 Sep 2025 16:33

Instrument :

MSVOA_W

ClientSampleId :

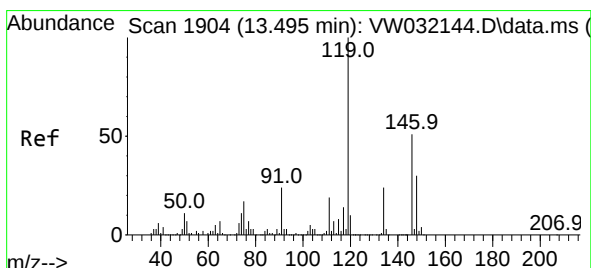
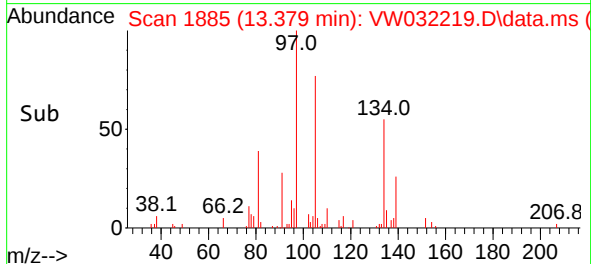
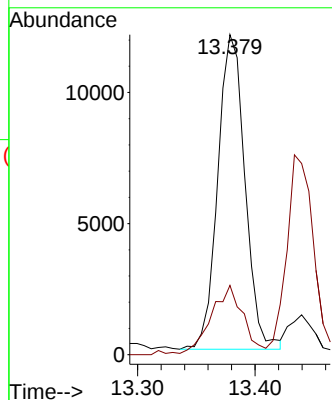
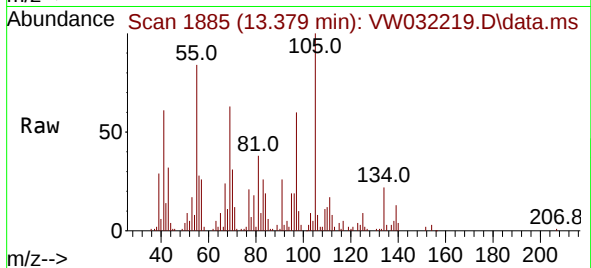
EO-02-091925

Tgt Ion:105 Resp: 19323

Ion Ratio Lower Upper

105 100

134 25.0 10.1 30.1



#86

p-Isopropyltoluene

Concen: 3.249 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032219.D

Acq: 19 Sep 2025 16:33

Tgt Ion:119 Resp: 22150

Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.6

91 23.5 12.4 37.0

