

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022815.D
 Acq On : 25 Jun 2025 11:24
 Operator : SY/MD
 Sample : Q2403-03RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0093RE

Quant Time: Jun 26 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

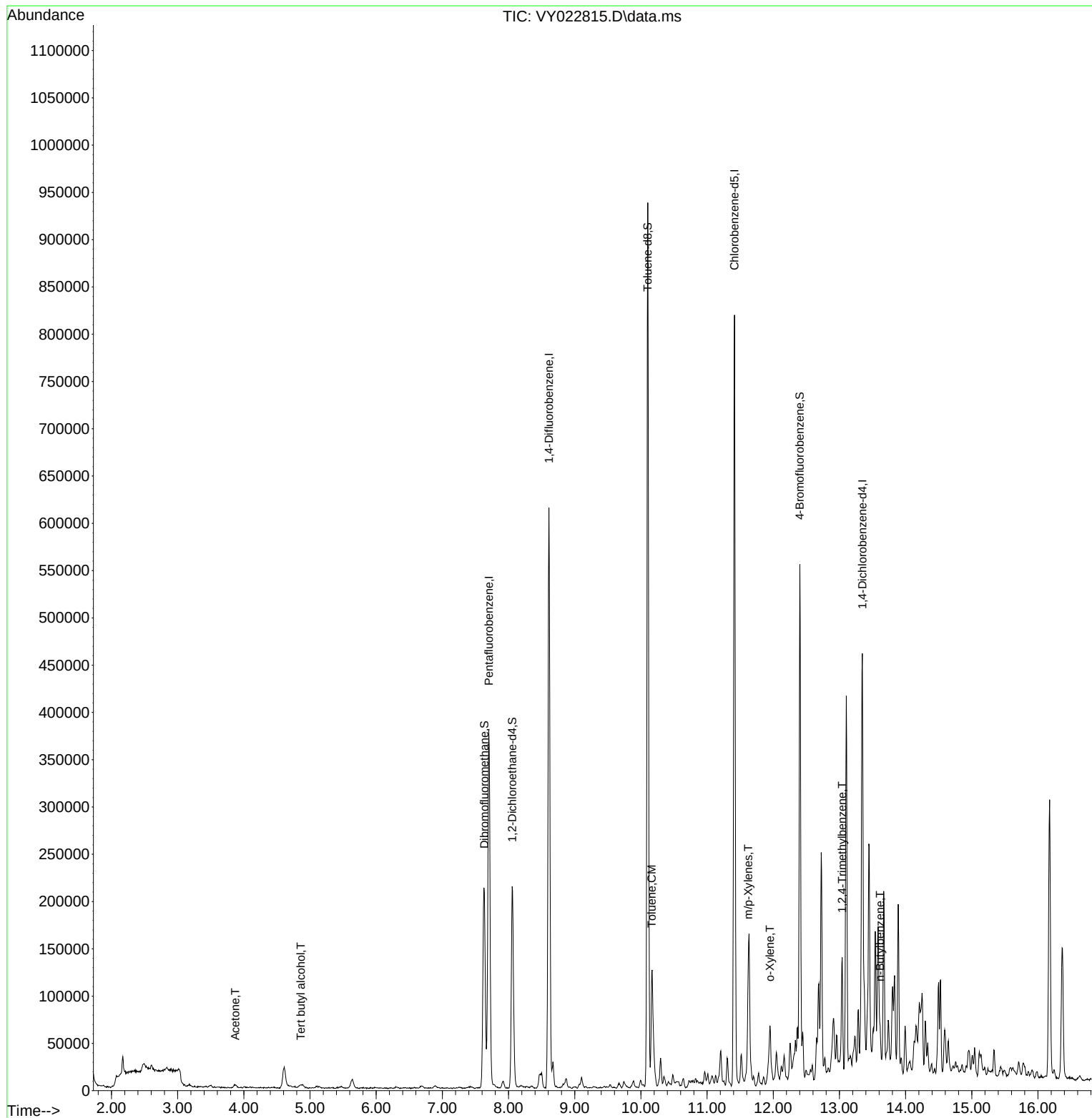
Internal Standards						
1) Pentafluorobenzene	7.701	168	286271	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	509592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	415699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	97432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	163895	51.296	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.600%	
35) Dibromofluoromethane	7.634	113	156368	50.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.920%	
50) Toluene-d8	10.103	98	581453	47.282	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.560%	
62) 4-Bromofluorobenzene	12.402	95	151079	38.216	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.440%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	5927	27.898	ug/l	96
16) Acetone	3.873	43	6843	11.331	ug/l	96
52) Toluene	10.164	92	48126	5.282	ug/l	100
68) m/p-Xylenes	11.621	106	31013	4.999	ug/l	93
69) o-Xylene	11.950	106	12402	2.122	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	63760	10.948	ug/l	98
89) n-Butylbenzene	13.615	91	19700	3.261	ug/l #	73

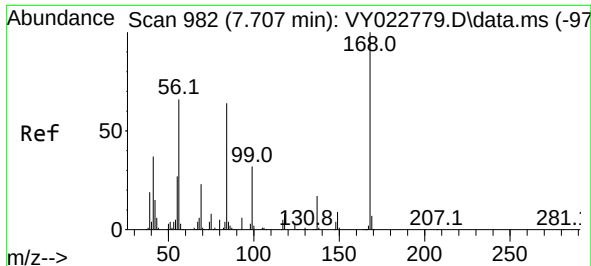
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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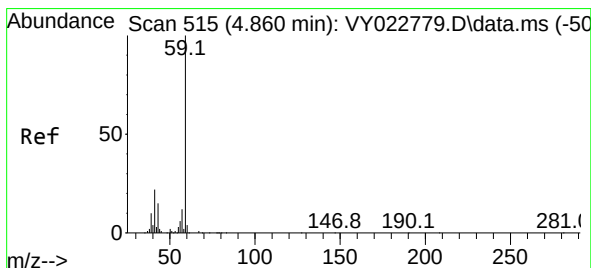
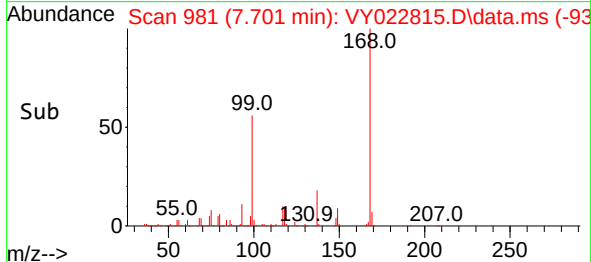
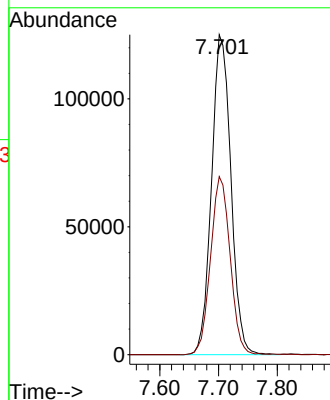
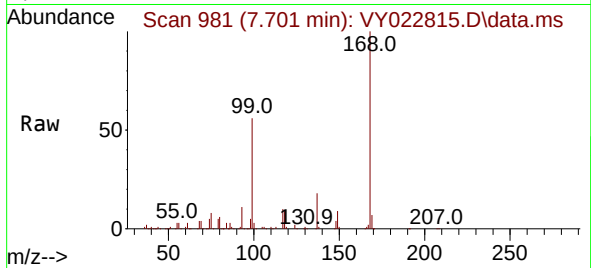




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

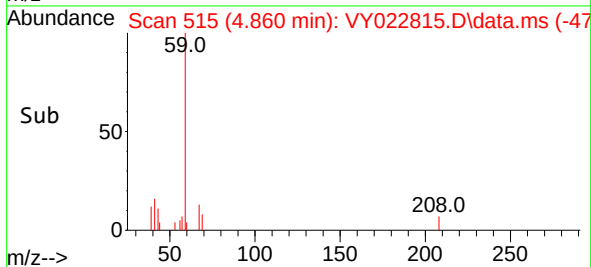
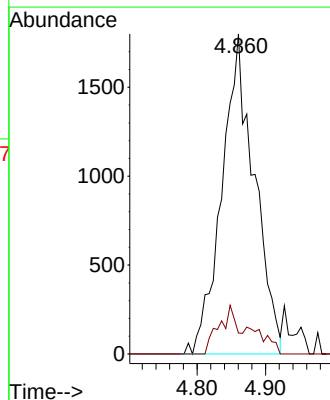
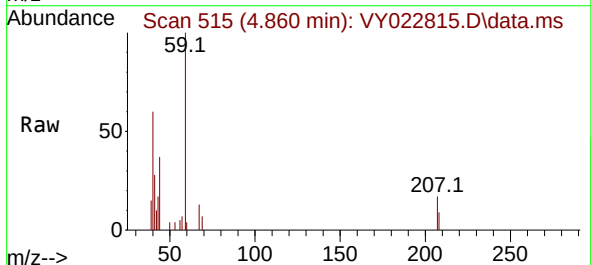
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0093RE

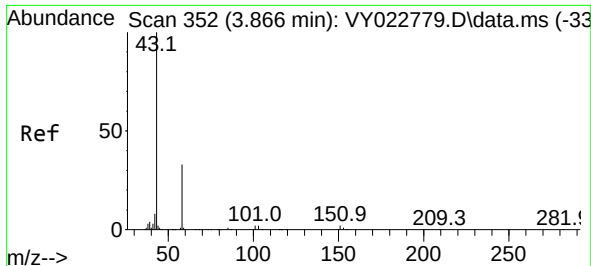
Tgt Ion:168 Resp: 286271
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#11
Tert butyl alcohol
Concen: 27.898 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.024 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

Tgt Ion: 59 Resp: 5927
Ion Ratio Lower Upper
59 100
57 8.7 8.0 12.0

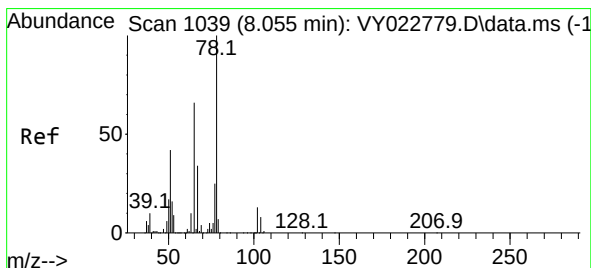
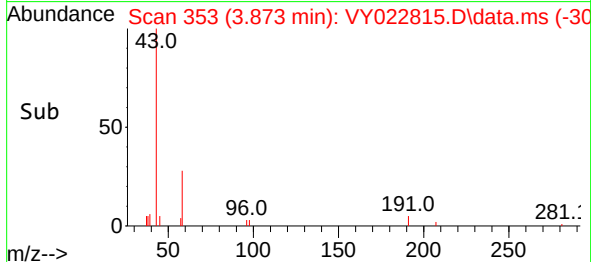
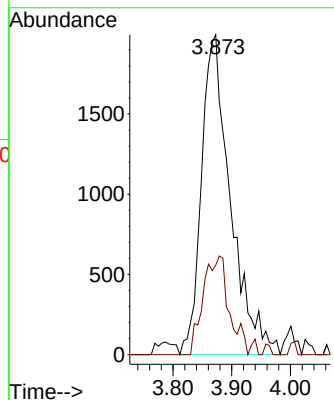
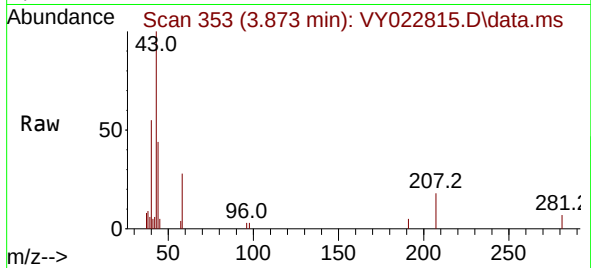




#16
Acetone
Concen: 11.331 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

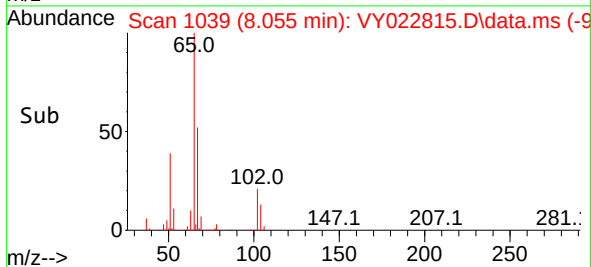
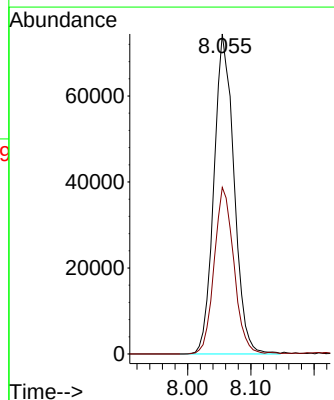
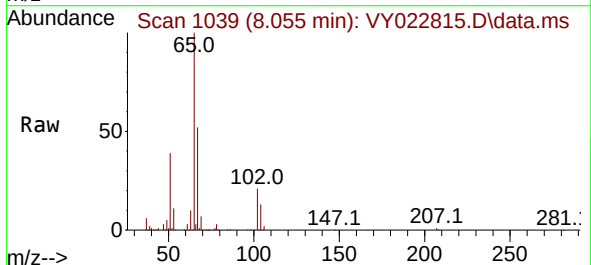
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0093RE

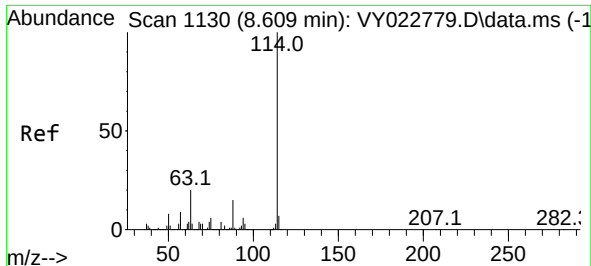
Tgt Ion: 43 Resp: 6843
Ion Ratio Lower Upper
43 100
58 27.9 24.0 36.0



#33
1,2-Dichloroethane-d4
Concen: 51.296 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

Tgt Ion: 65 Resp: 163895
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022815.D

Acq: 25 Jun 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0093RE

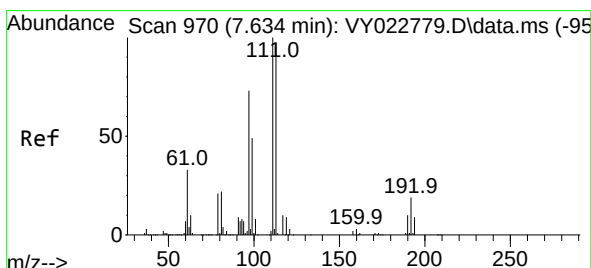
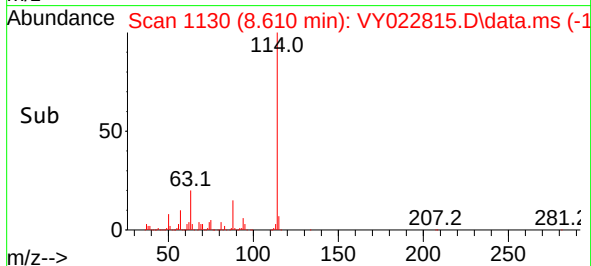
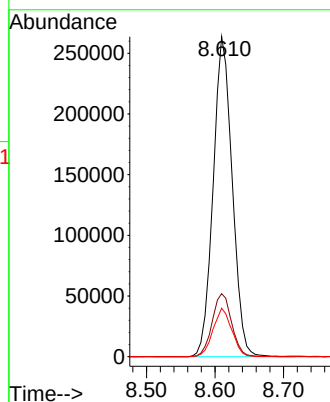
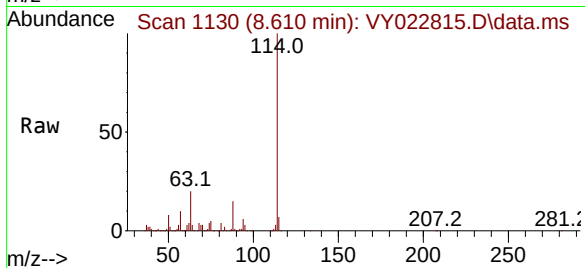
Tgt Ion:114 Resp: 509592

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.1 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.456 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022815.D

Acq: 25 Jun 2025 11:24

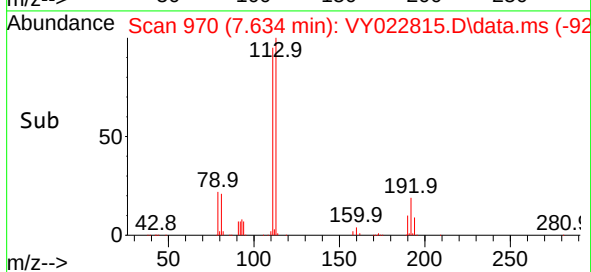
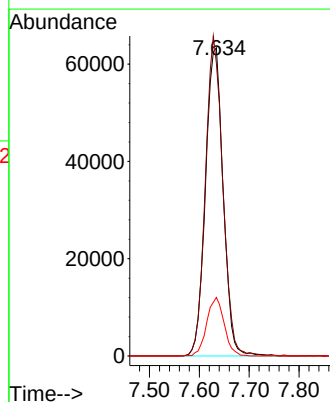
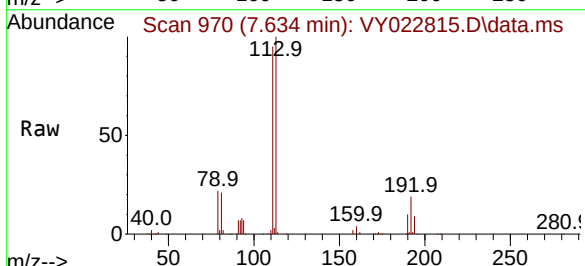
Tgt Ion:113 Resp: 156368

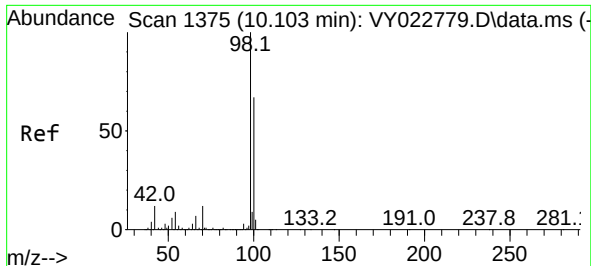
Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 18.8 14.2 21.2

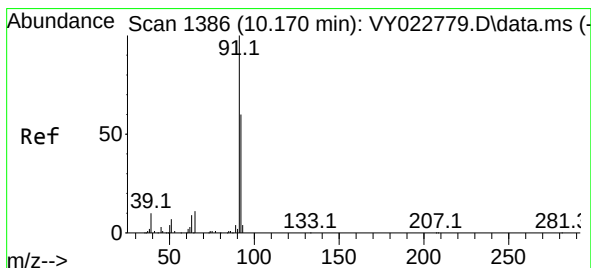
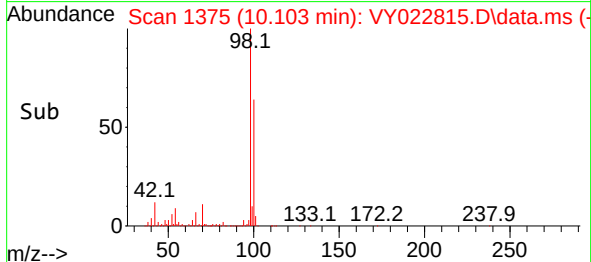
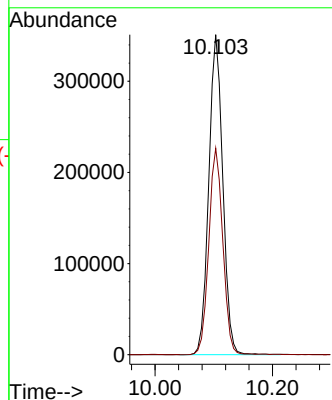
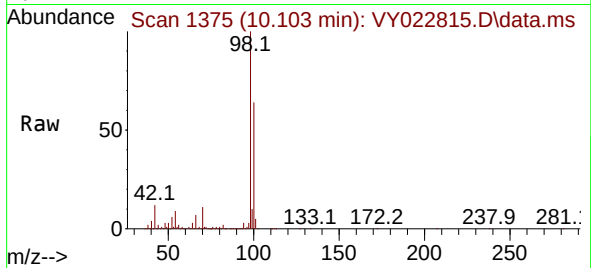




#50
Toluene-d8
Concen: 47.282 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

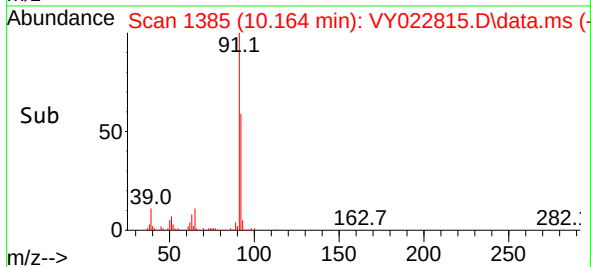
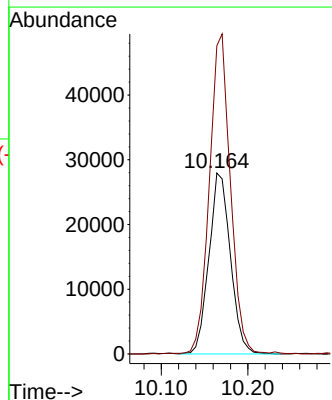
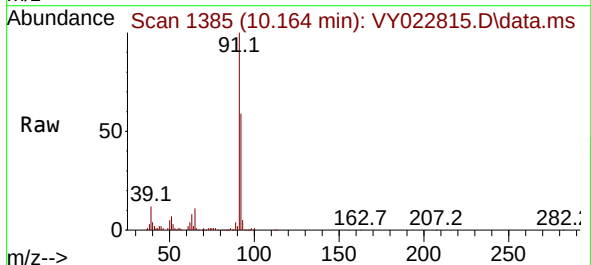
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0093RE

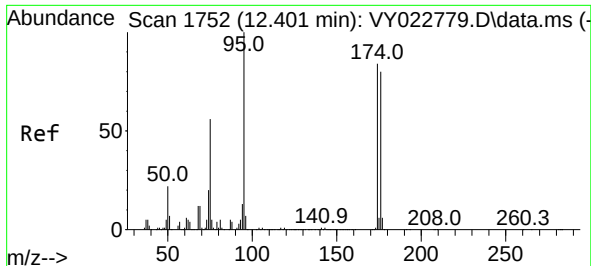
Tgt Ion: 98 Resp: 581453
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#52
Toluene
Concen: 5.282 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. -0.012 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

Tgt Ion: 92 Resp: 48126
Ion Ratio Lower Upper
92 100
91 173.2 139.0 208.4

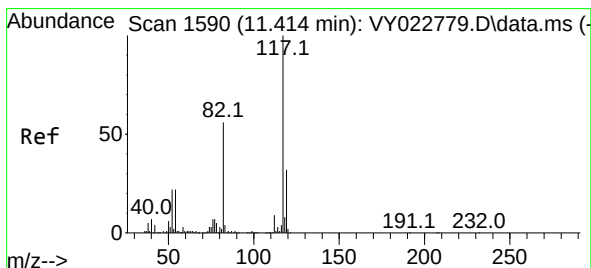
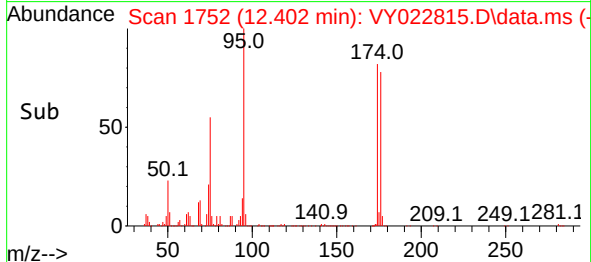
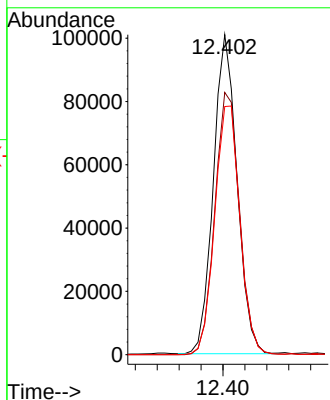
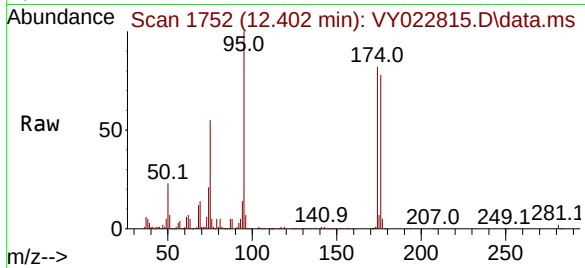




#62
4-Bromofluorobenzene
Concen: 38.216 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

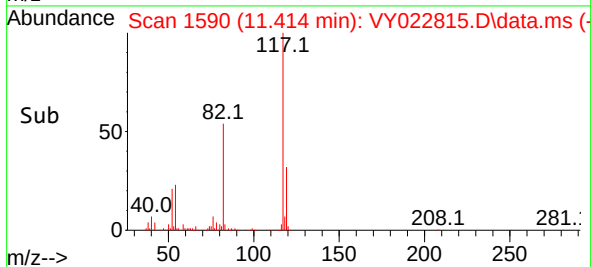
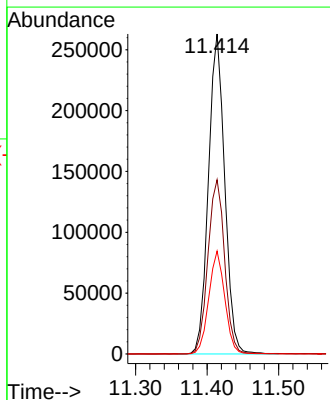
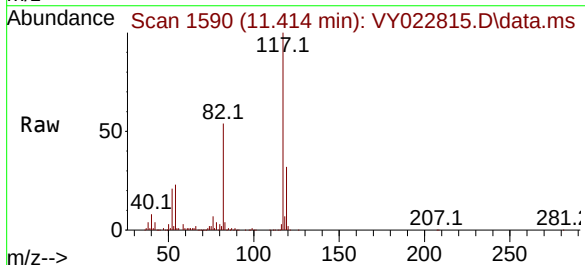
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0093RE

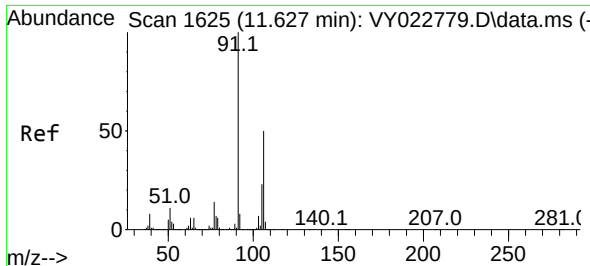
Tgt Ion: 95 Resp: 151079
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.0
176 83.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

Tgt Ion: 117 Resp: 415699
Ion Ratio Lower Upper
117 100
82 54.4 44.6 66.8
119 32.1 25.4 38.0

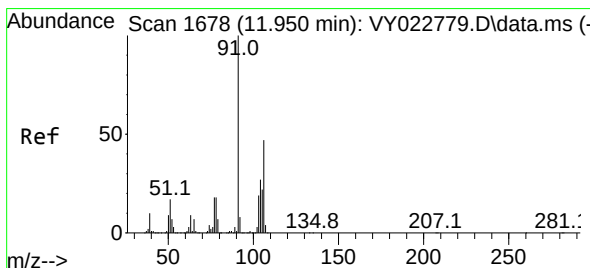
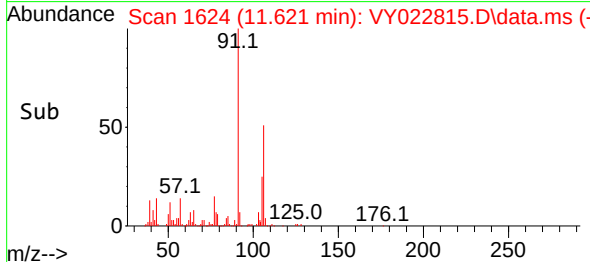
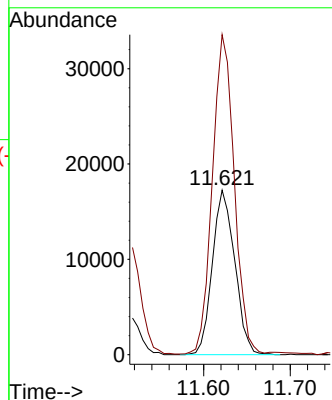
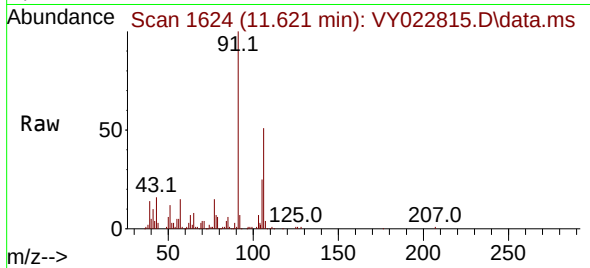




#68
m/p-Xylenes
Concen: 4.999 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

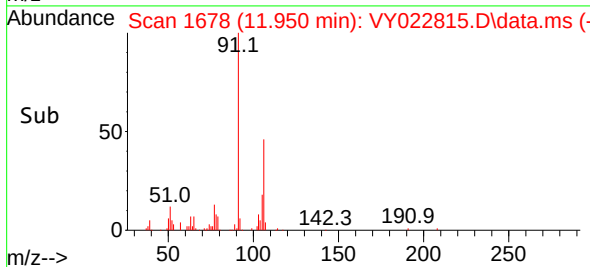
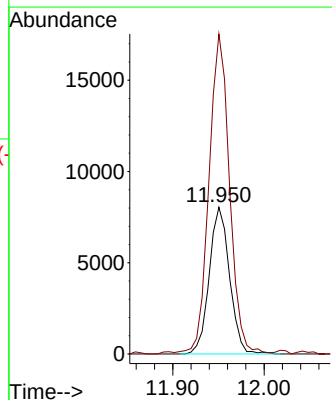
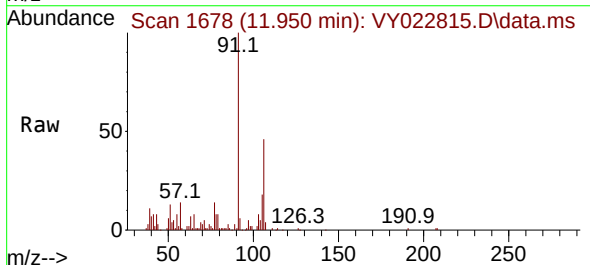
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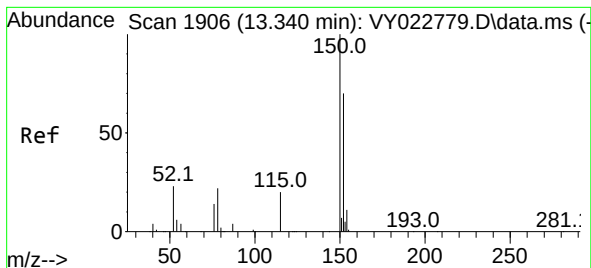
Tgt Ion:106 Resp: 31013
Ion Ratio Lower Upper
106 100
91 189.4 159.4 239.0



#69
o-Xylene
Concen: 2.122 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022815.D
Acq: 25 Jun 2025 11:24

Tgt Ion:106 Resp: 12402
Ion Ratio Lower Upper
106 100
91 221.5 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY022815.D

Acq: 25 Jun 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0093RE

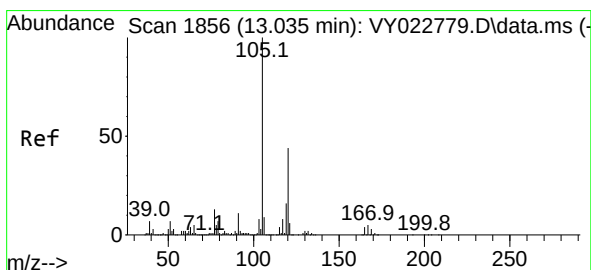
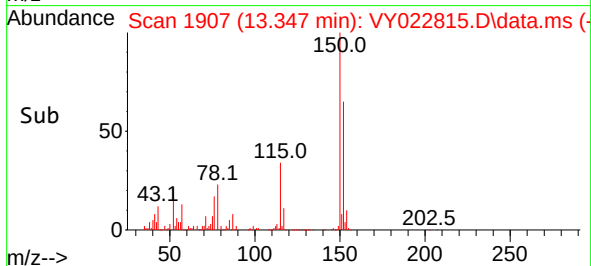
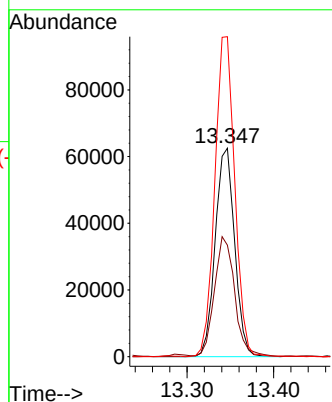
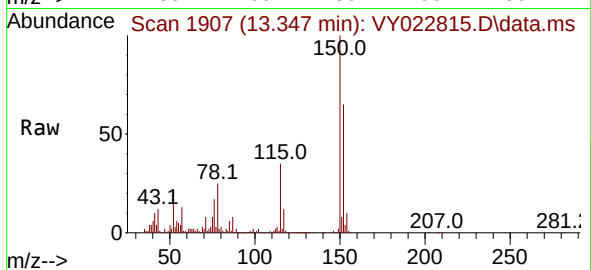
Tgt Ion:152 Resp: 97432

Ion Ratio Lower Upper

152 100

115 59.5 28.9 86.7

150 157.3 0.0 349.6



#84

1,2,4-Trimethylbenzene

Concen: 10.948 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022815.D

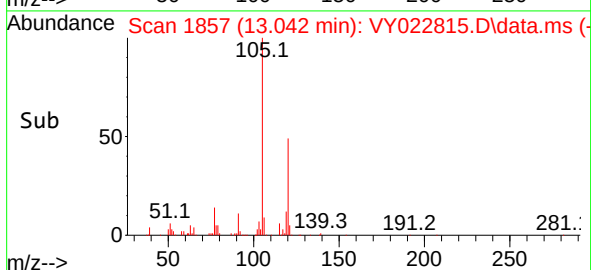
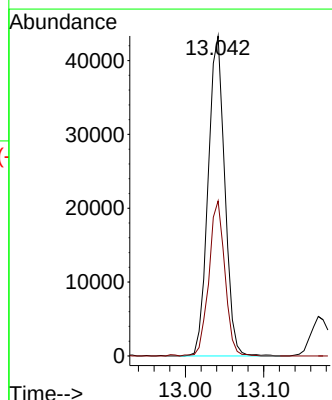
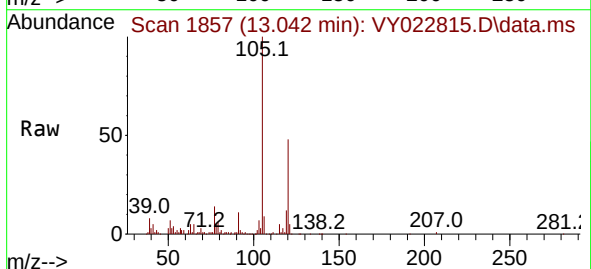
Acq: 25 Jun 2025 11:24

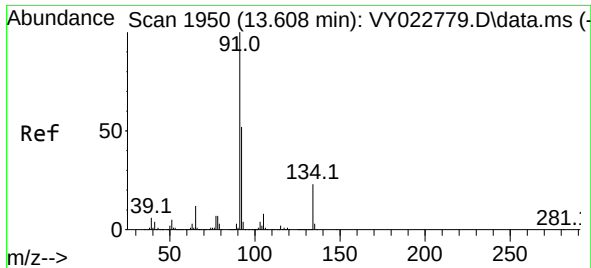
Tgt Ion:105 Resp: 63760

Ion Ratio Lower Upper

105 100

120 46.5 22.7 68.1





#89

n-Butylbenzene

Concen: 3.261 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022815.D

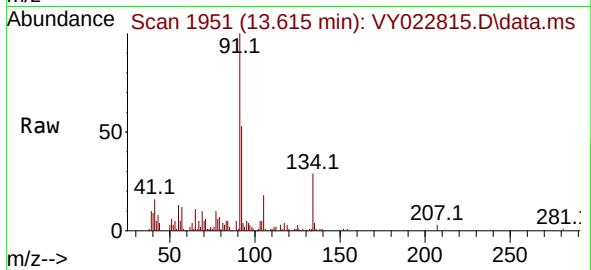
Acq: 25 Jun 2025 11:24

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0093RE



Tgt Ion:	91	Resp:	19700
Ion	Ratio	Lower	Upper
91	100		
92	63.9	25.9	77.8
134	0.0	12.0	36.1#

