

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023566.D
 Acq On : 24 Oct 2025 12:30
 Operator : SY/MD
 Sample : Q3431-01
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-10222025

Quant Time: Oct 24 16:28:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

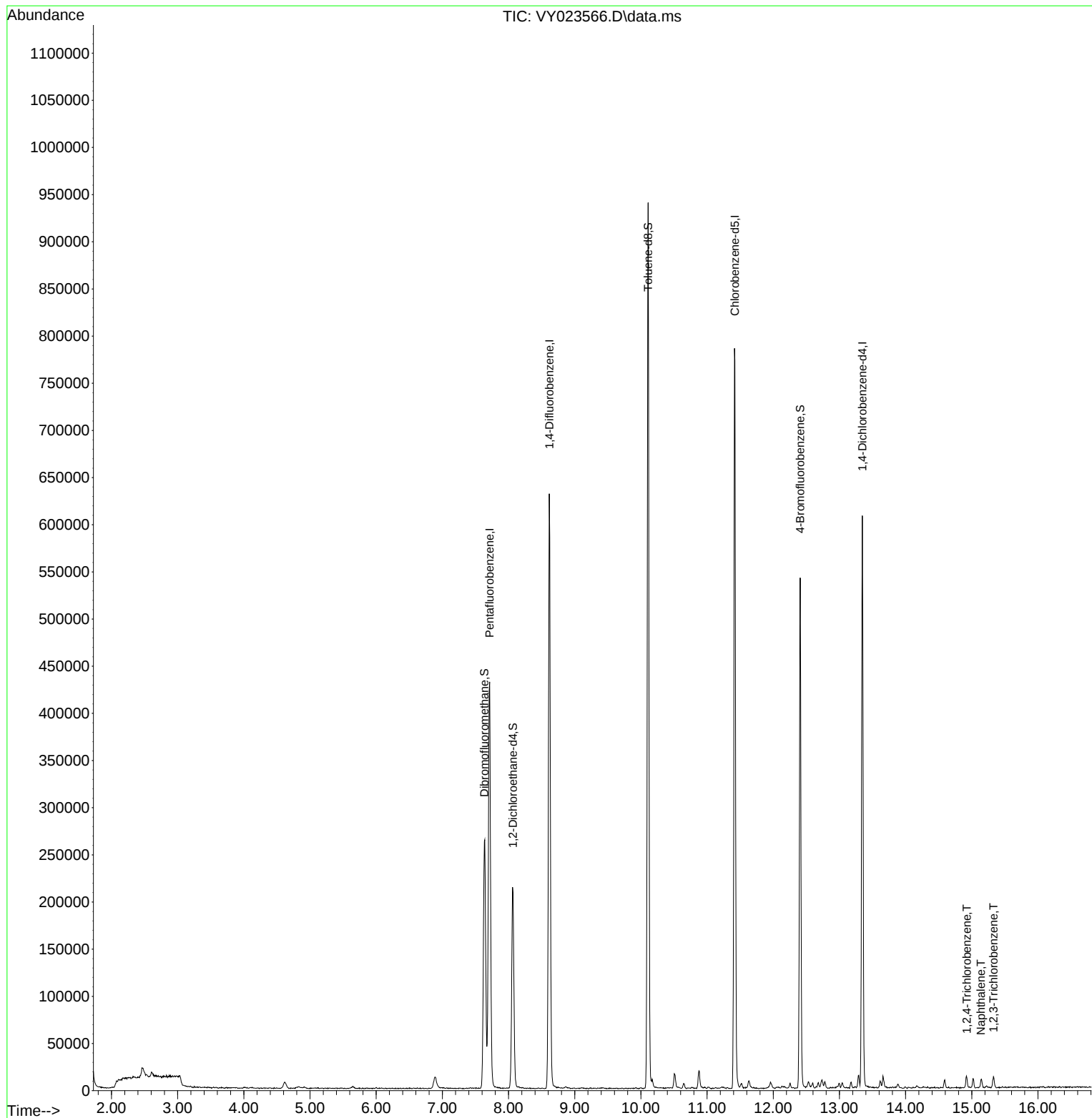
Internal Standards						
1) Pentafluorobenzene	7.713	168	373943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	585283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	468214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	163071	52.150	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.300%	
35) Dibromofluoromethane	7.634	113	192636	53.565	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.140%	
50) Toluene-d8	10.109	98	631164	47.127	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.260%	
62) 4-Bromofluorobenzene	12.408	95	161907	36.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.240%	
Target Compounds						
					Qvalue	
93) 1,2,4-Trichlorobenzene	14.925	180	3786	1.211	ug/l	91
95) Naphthalene	15.139	128	8273	1.661	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	3896	1.438	ug/l	89

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

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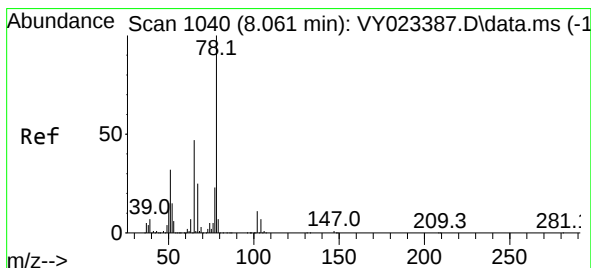
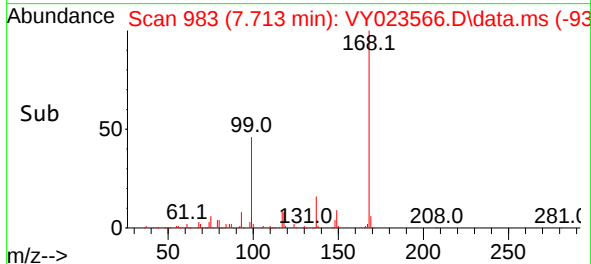
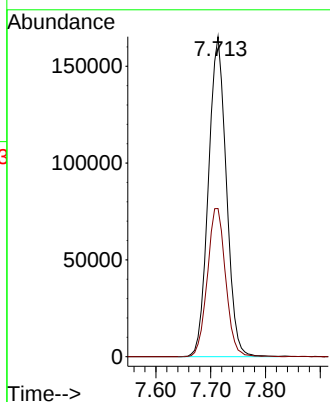
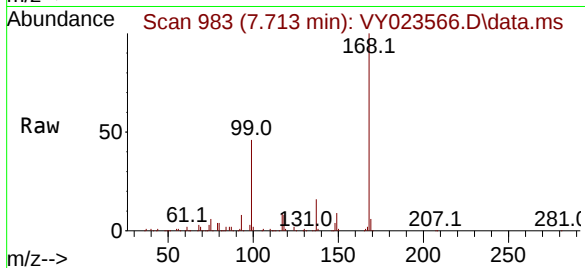




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023566.D
Acq: 24 Oct 2025 12:30

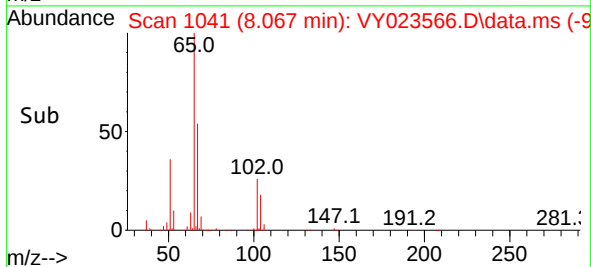
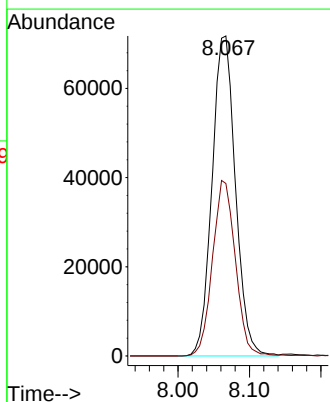
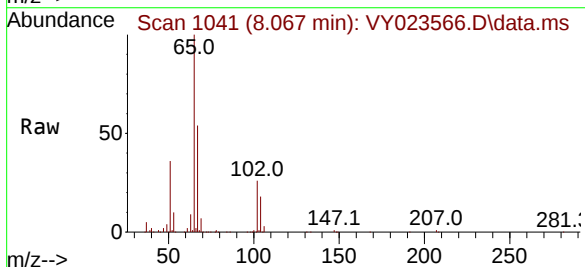
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-10222025

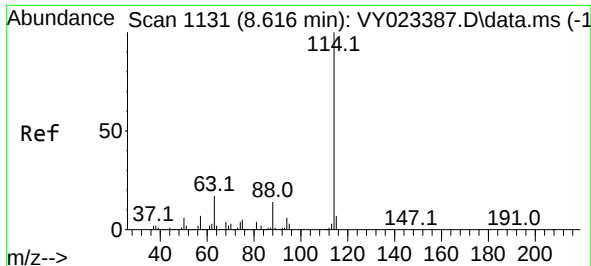
Tgt Ion:168 Resp: 373943
Ion Ratio Lower Upper
168 100
99 46.3 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 52.150 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023566.D
Acq: 24 Oct 2025 12:30

Tgt Ion: 65 Resp: 163071
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

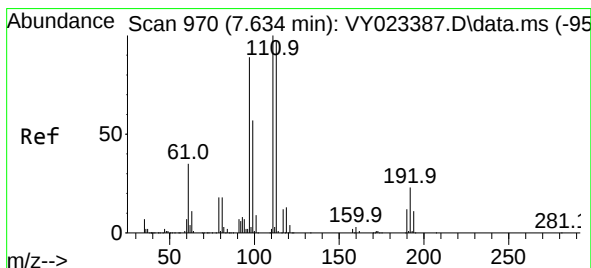
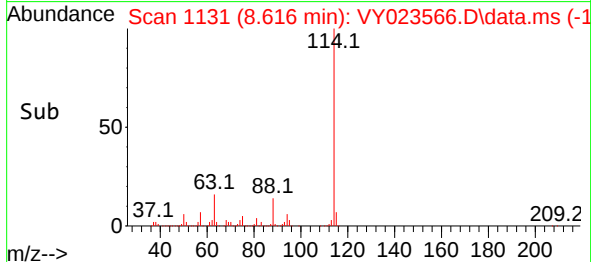
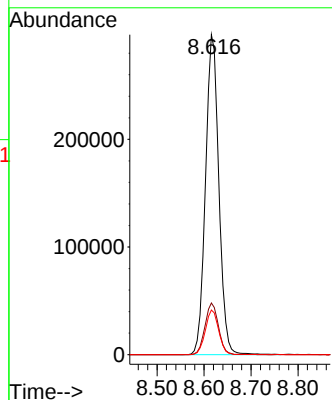
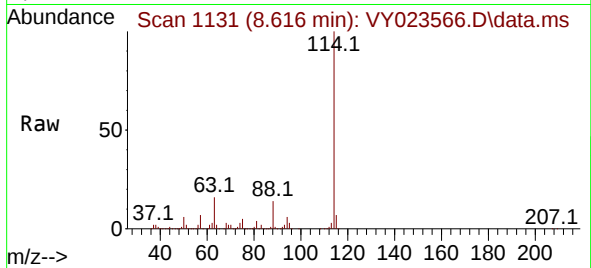




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023566.D
Acq: 24 Oct 2025 12:30

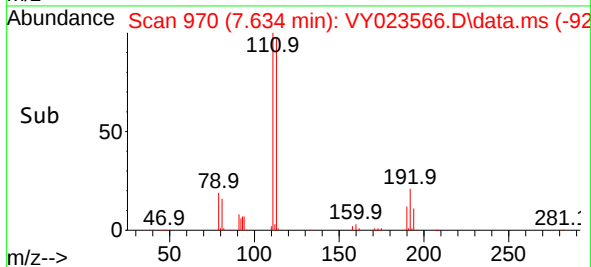
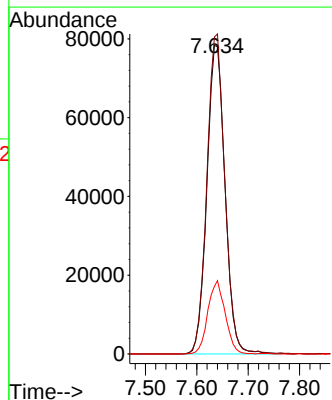
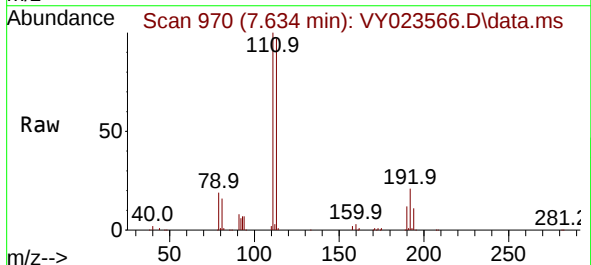
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-10222025

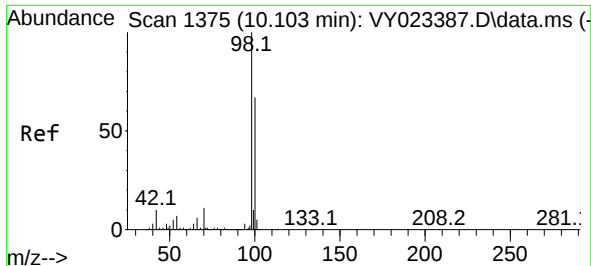
Tgt Ion:114 Resp: 585283
Ion Ratio Lower Upper
114 100
63 16.2 0.0 34.2
88 14.0 0.0 28.4



#35
Dibromofluoromethane
Concen: 53.565 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023566.D
Acq: 24 Oct 2025 12:30

Tgt Ion:113 Resp: 192636
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.6 18.0 27.0

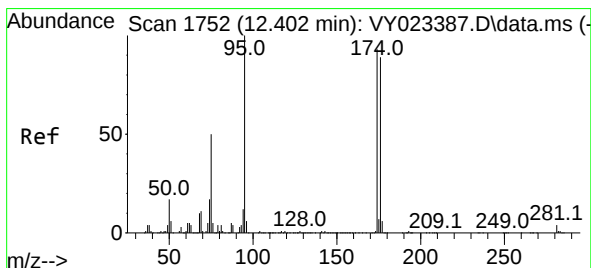
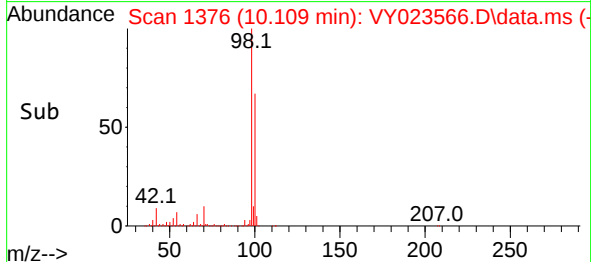
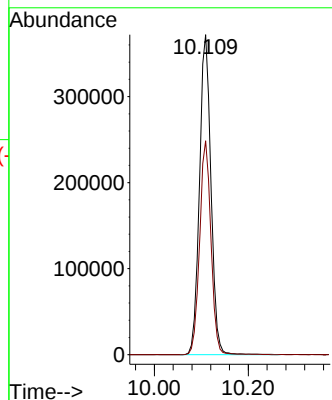
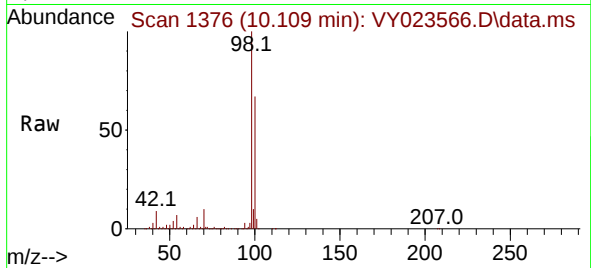




#50
Toluene-d8
Concen: 47.127 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023566.D
Acq: 24 Oct 2025 12:30

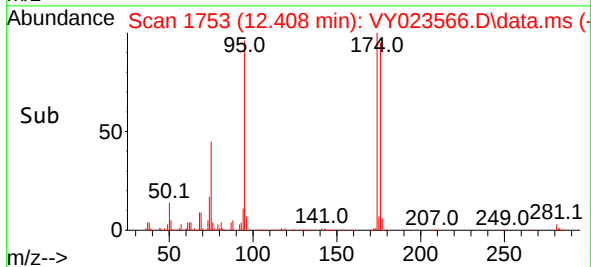
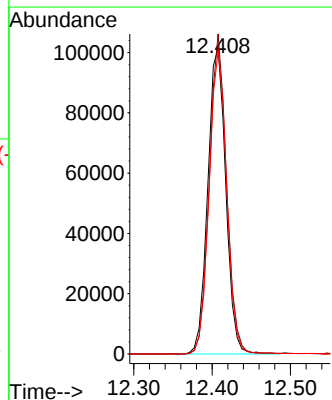
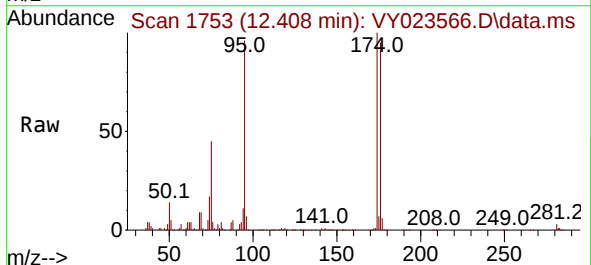
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-10222025

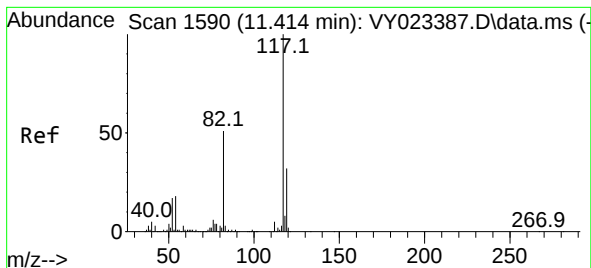
Tgt Ion: 98 Resp: 631164
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 36.617 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023566.D
Acq: 24 Oct 2025 12:30

Tgt Ion: 95 Resp: 161907
Ion Ratio Lower Upper
95 100
174 100.2 0.0 192.8
176 96.5 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023566.D

Acq: 24 Oct 2025 12:30

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-10222025

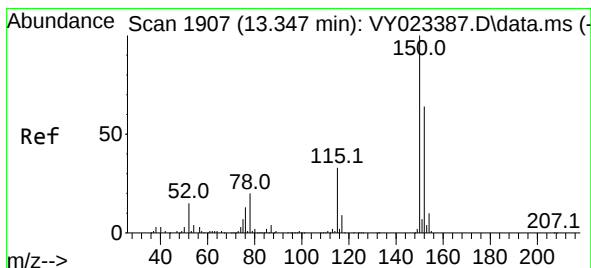
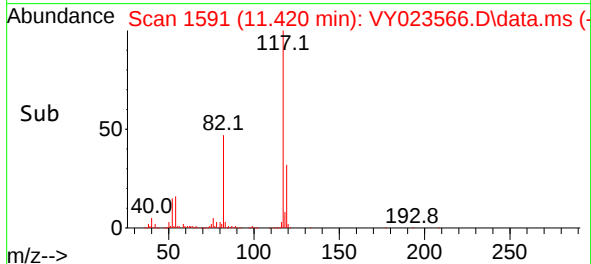
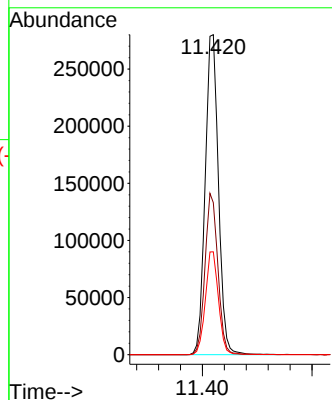
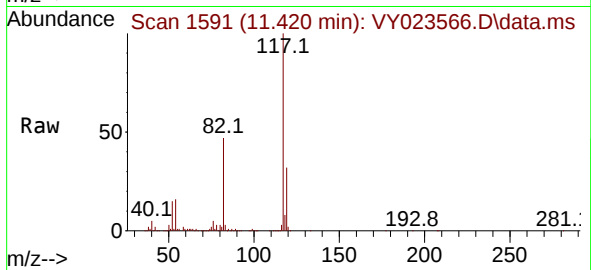
Tgt Ion:117 Resp: 468214

Ion Ratio Lower Upper

117 100

82 47.5 41.0 61.4

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023566.D

Acq: 24 Oct 2025 12:30

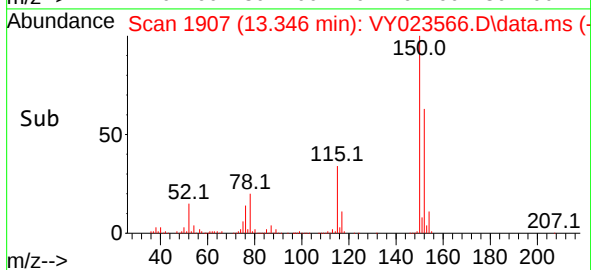
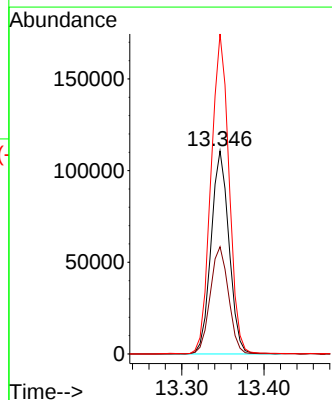
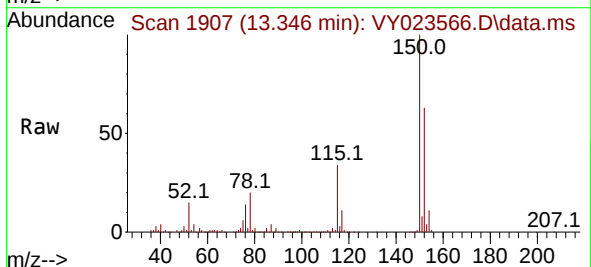
Tgt Ion:152 Resp: 167691

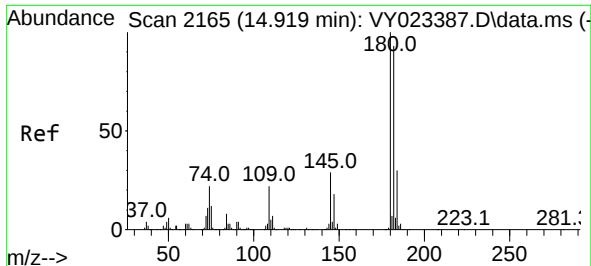
Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 158.5 0.0 347.4

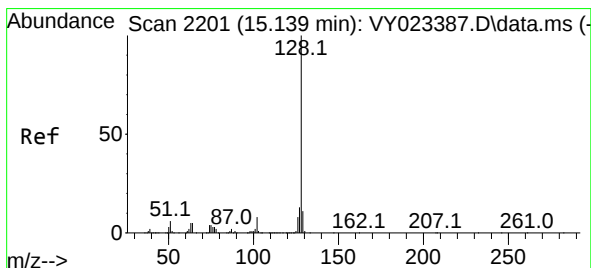
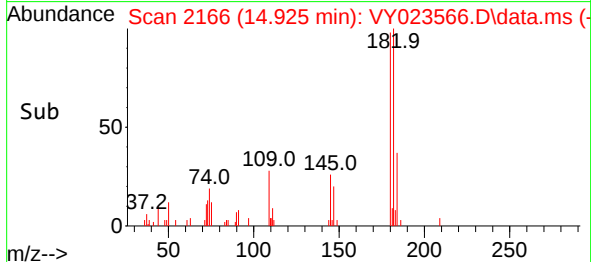
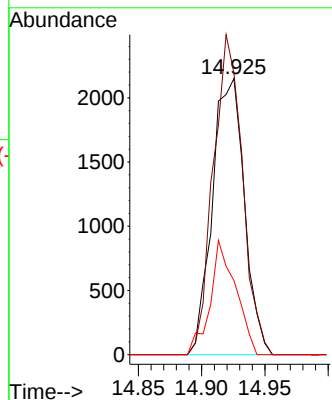
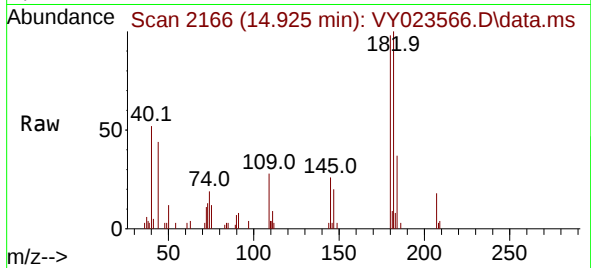




#93
 1,2,4-Trichlorobenzene
 Concen: 1.211 ug/l
 RT: 14.925 min Scan# 2166
 Delta R.T. 0.006 min
 Lab File: VY023566.D
 Acq: 24 Oct 2025 12:30

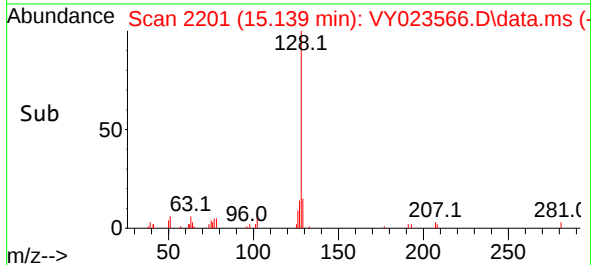
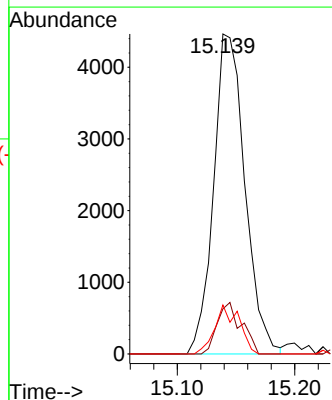
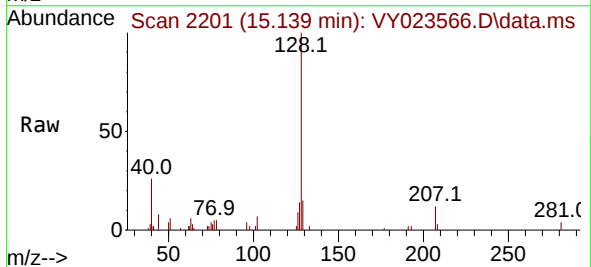
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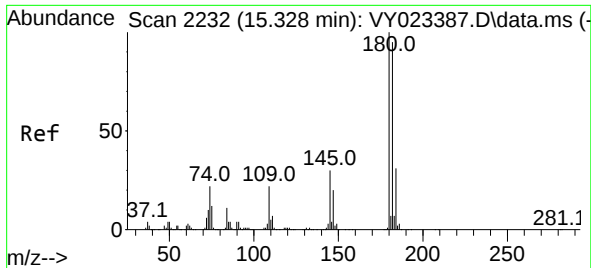
Tgt Ion:180 Resp: 3786
 Ion Ratio Lower Upper
 180 100
 182 105.3 47.9 143.6
 145 33.0 14.7 44.1



#95
 Naphthalene
 Concen: 1.661 ug/l
 RT: 15.139 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: VY023566.D
 Acq: 24 Oct 2025 12:30

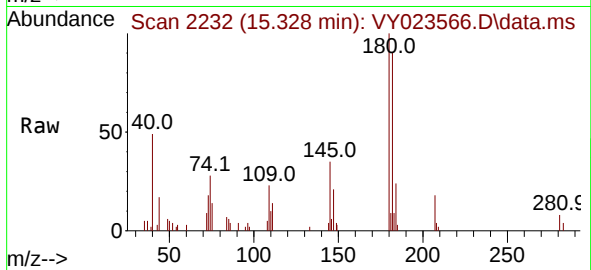
Tgt Ion:128 Resp: 8273
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.4 15.6
 129 11.9 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 1.438 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY023566.D
 Acq: 24 Oct 2025 12:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-10222025



Tgt Ion:	180	Resp:	3896
Ion	Ratio	Lower	Upper
180	100		
182	105.7	47.9	143.8
145	38.9	15.3	45.9

