

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022398.D
 Acq On : 22 May 2025 16:06
 Operator : SY/MD
 Sample : Q2100-02
 Misc : 7.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-22

Quant Time: May 23 03:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

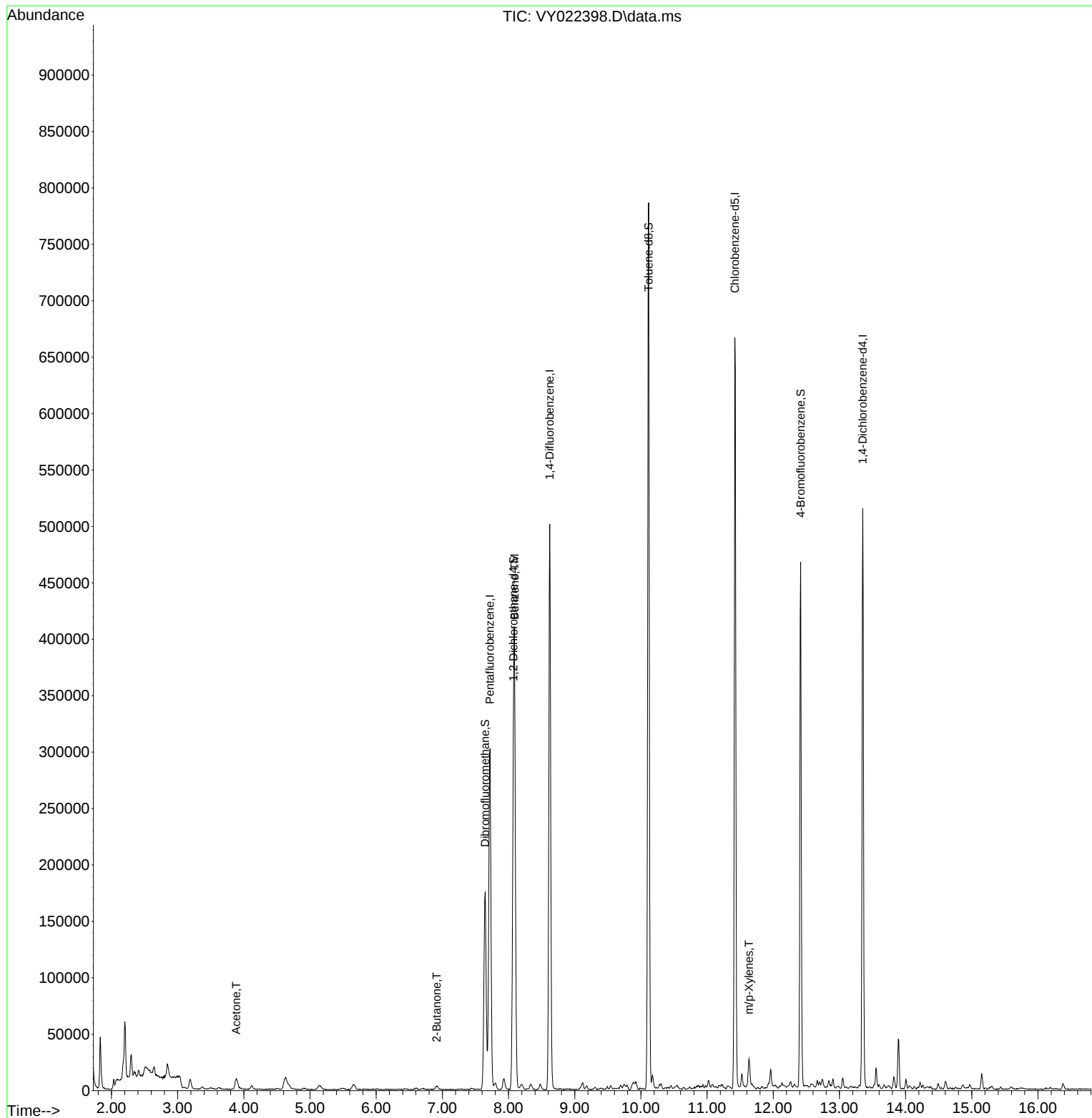
Internal Standards						
1) Pentafluorobenzene	7.719	168	231359	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	414060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	325678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	119664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	117920	46.636	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.280%
35) Dibromofluoromethane	7.646	113	120139	48.613	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.220%
50) Toluene-d8	10.115	98	492469	48.655	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.414	95	122725	38.254	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.500%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	18091	38.157	ug/l #	83
25) 2-Butanone	6.915	43	5759	7.262	ug/l #	84
40) Benzene	8.091	78	312744	25.917	ug/l	98
68) m/p-Xylenes	11.633	106	8109	1.564	ug/l	87

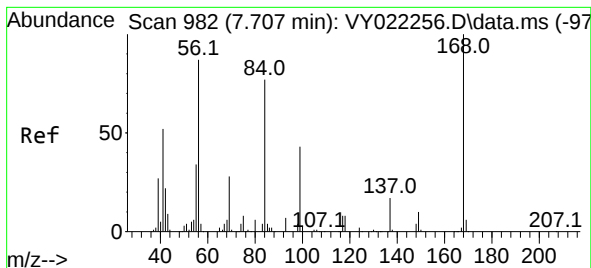
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022398.D

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Instrument :

MSVOA_Y

ClientSampleId :

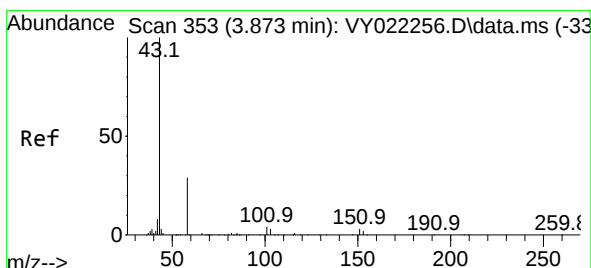
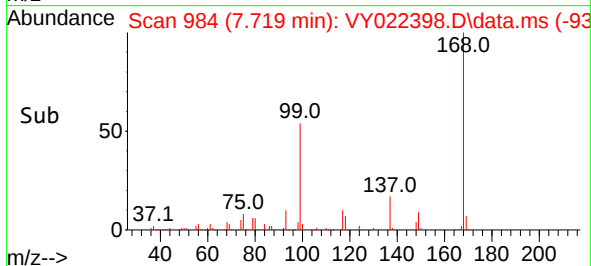
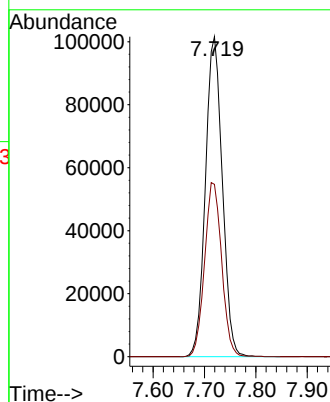
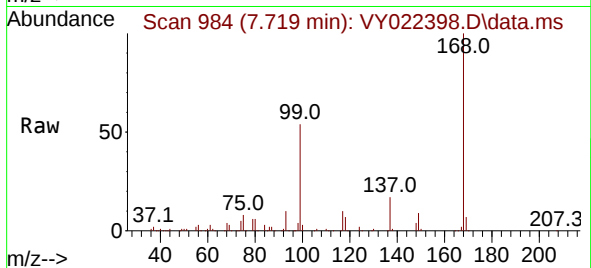
TP-22

Tgt Ion:168 Resp: 231359

Ion Ratio Lower Upper

168 100

99 53.9 44.2 66.4



#16

Acetone

Concen: 38.157 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.012 min

Lab File: VY022398.D

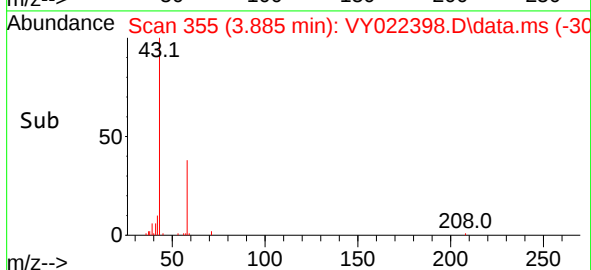
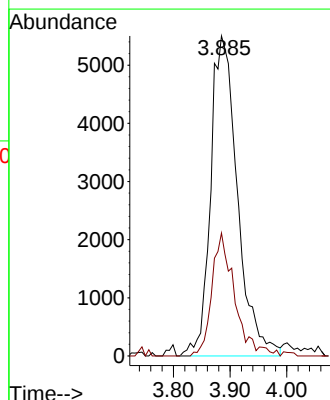
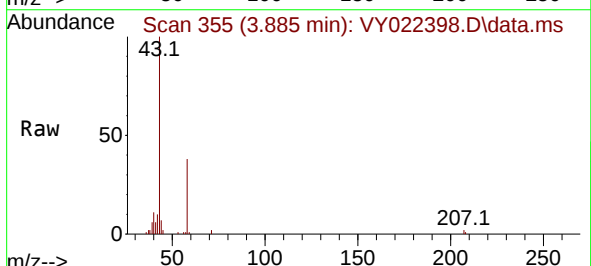
Acq: 22 May 2025 16:06

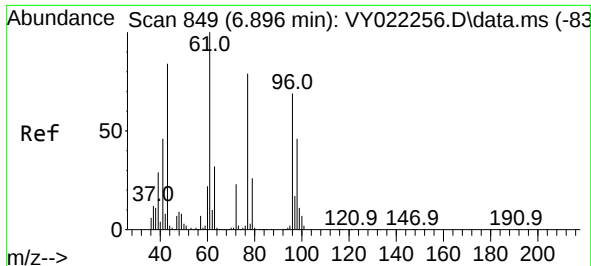
Tgt Ion: 43 Resp: 18091

Ion Ratio Lower Upper

43 100

58 38.4 23.6 35.4#





#25

2-Butanone

Concen: 7.262 ug/l

RT: 6.915 min Scan# 8

Delta R.T. 0.018 min

Lab File: VY022398.D

Acq: 22 May 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

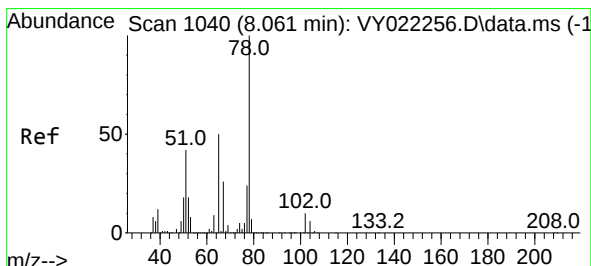
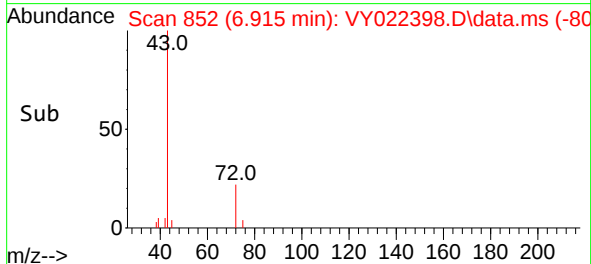
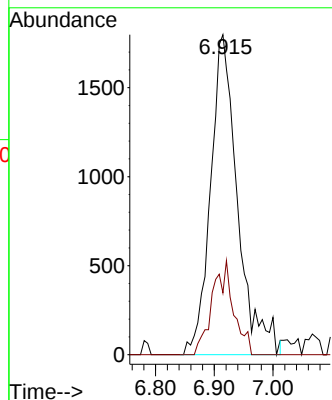
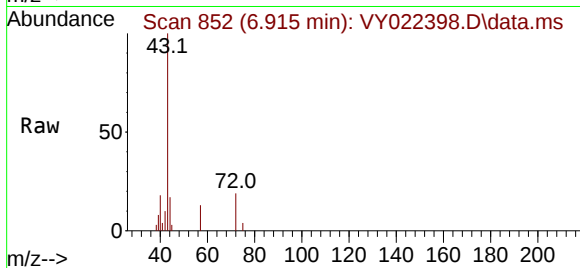
TP-22

Tgt Ion: 43 Resp: 5759

Ion Ratio Lower Upper

43 100

72 19.3 22.1 33.1#



#33

1,2-Dichloroethane-d4

Concen: 46.636 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY022398.D

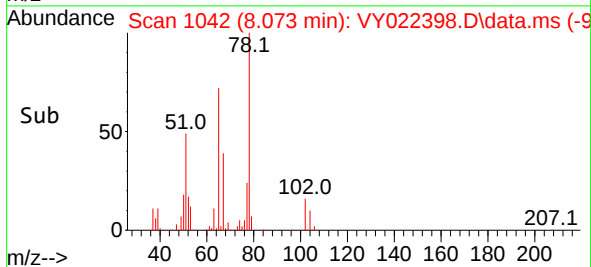
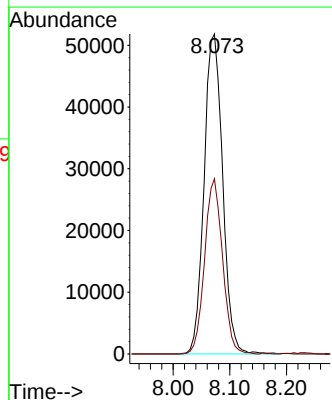
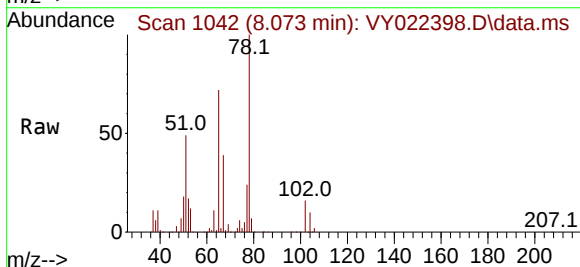
Acq: 22 May 2025 16:06

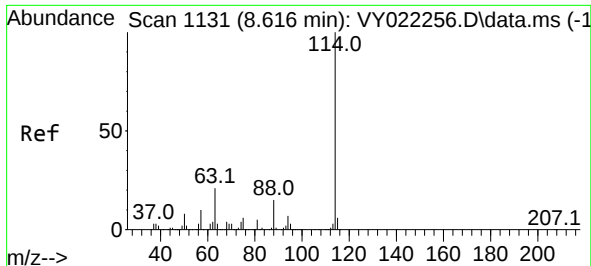
Tgt Ion: 65 Resp: 117920

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.6

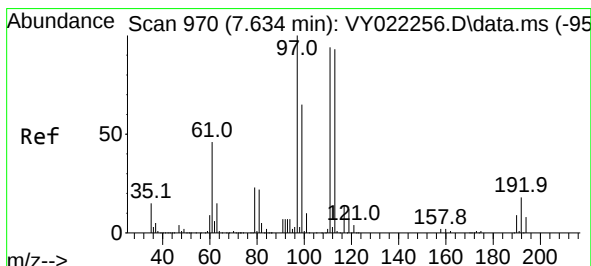
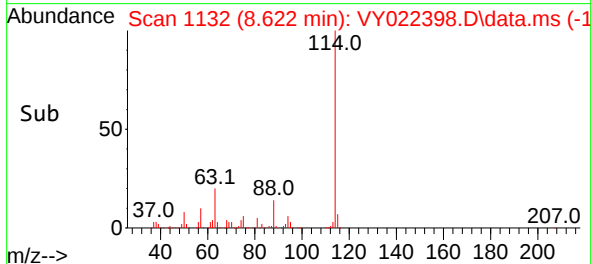
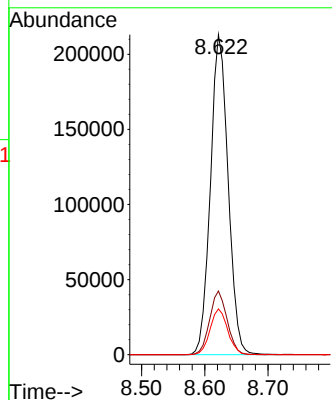
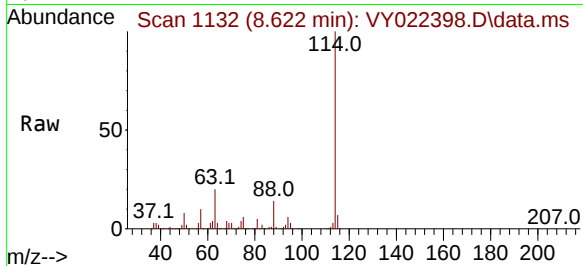




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

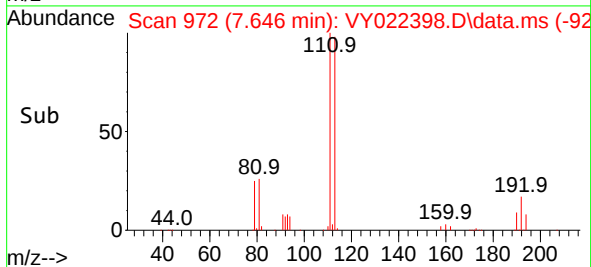
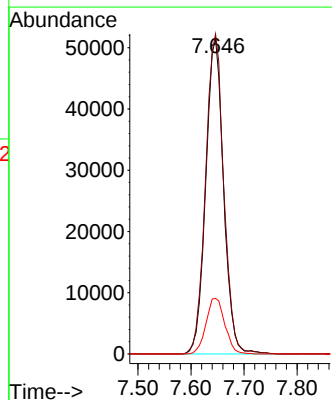
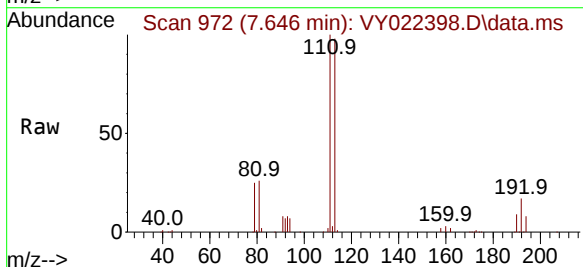
Instrument :
MSVOA_Y
ClientSampleId :
TP-22

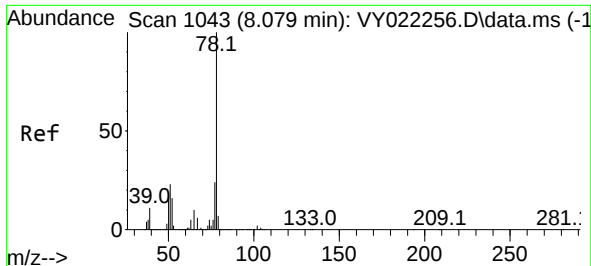
Tgt Ion:114 Resp: 414060
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 14.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.613 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

Tgt Ion:113 Resp: 120139
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 18.6 15.2 22.8

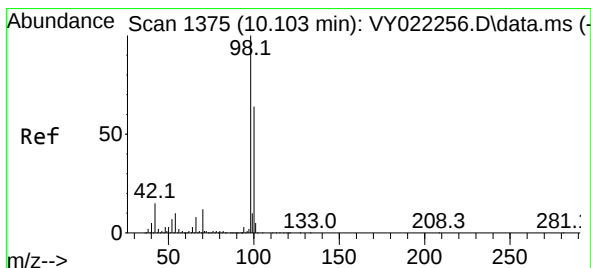
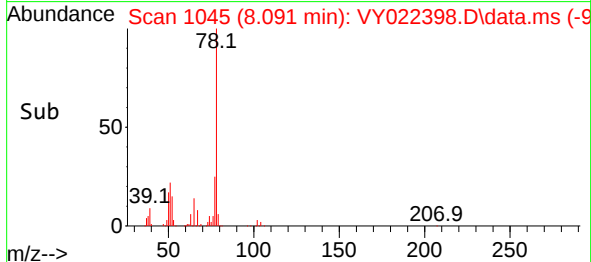
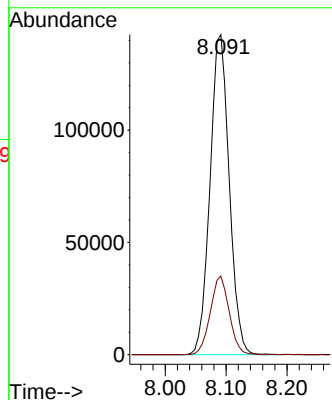
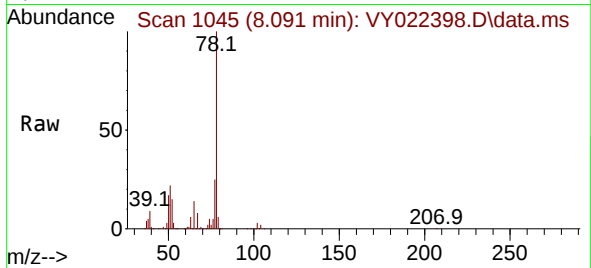




#40
Benzene
Concen: 25.917 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.012 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

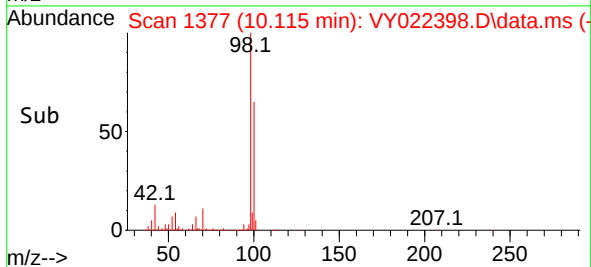
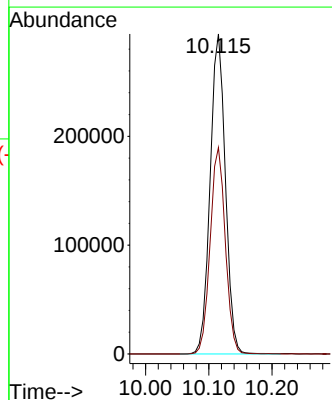
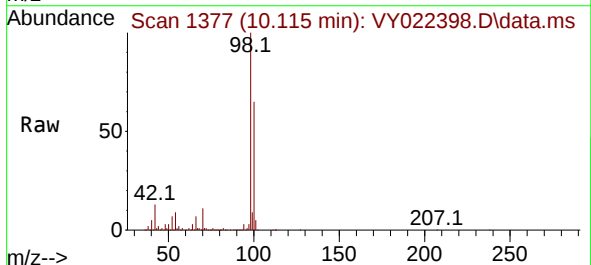
Instrument :
MSVOA_Y
ClientSampleId :
TP-22

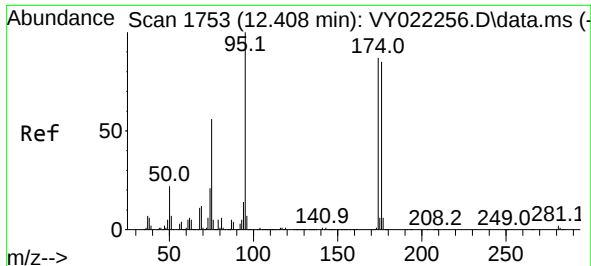
Tgt Ion: 78 Resp: 312744
Ion Ratio Lower Upper
78 100
77 24.6 18.9 28.3



#50
Toluene-d8
Concen: 48.655 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

Tgt Ion: 98 Resp: 492469
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8

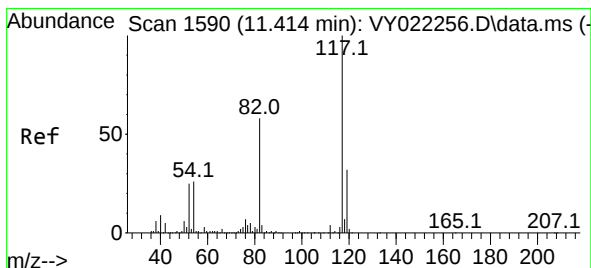
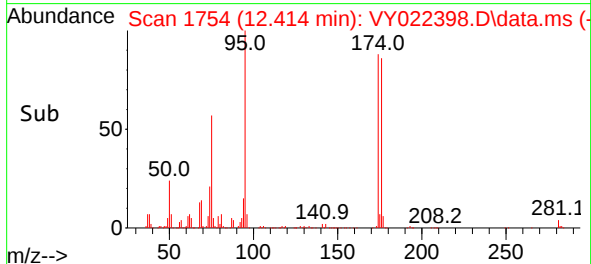
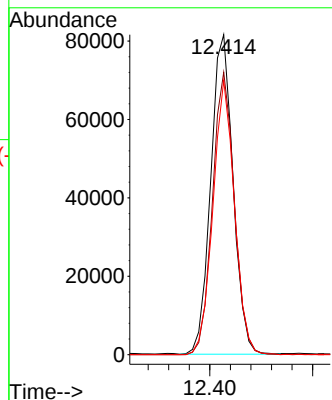
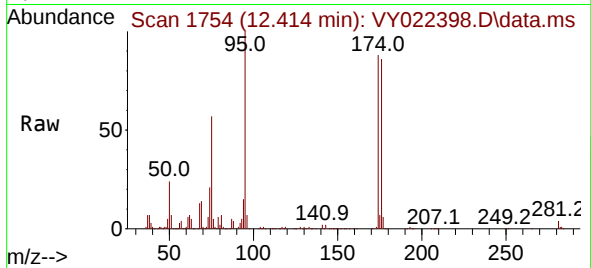




#62
4-Bromofluorobenzene
Concen: 38.254 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

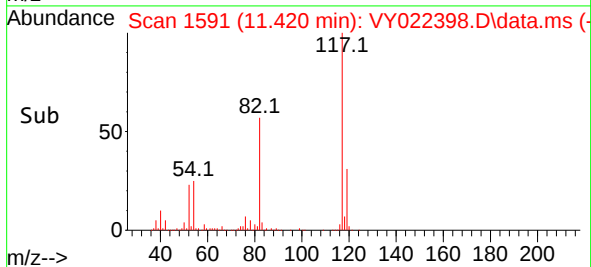
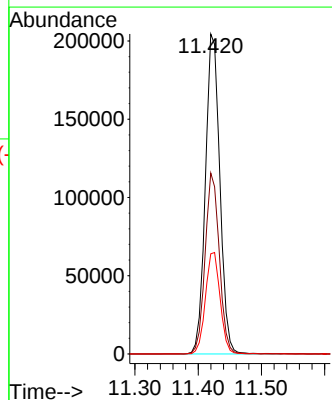
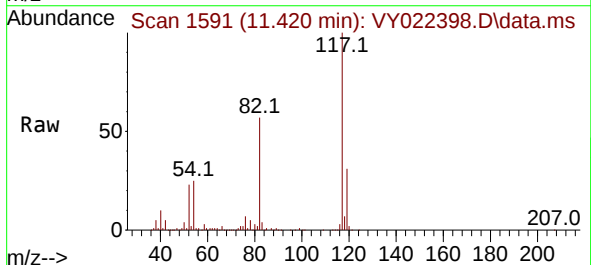
Instrument :
MSVOA_Y
ClientSampleId :
TP-22

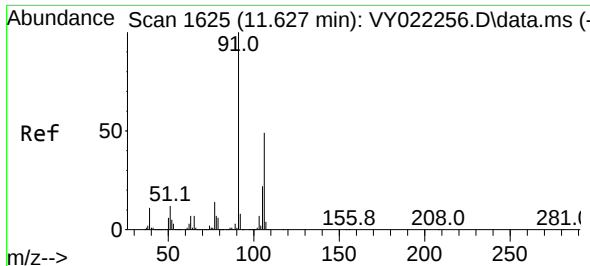
Tgt Ion: 95 Resp: 122725
Ion Ratio Lower Upper
95 100
174 86.6 0.0 166.8
176 82.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

Tgt Ion: 117 Resp: 325678
Ion Ratio Lower Upper
117 100
82 56.5 46.6 70.0
119 31.3 25.8 38.6

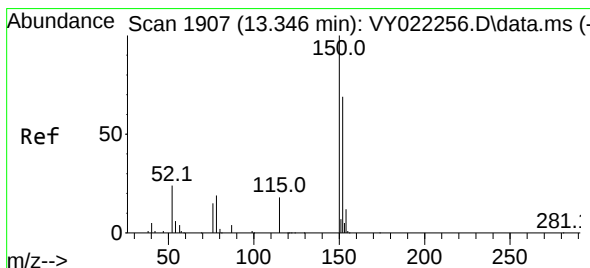
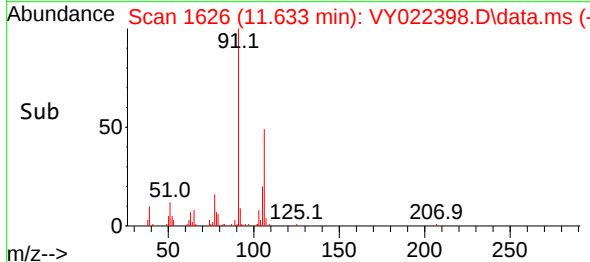
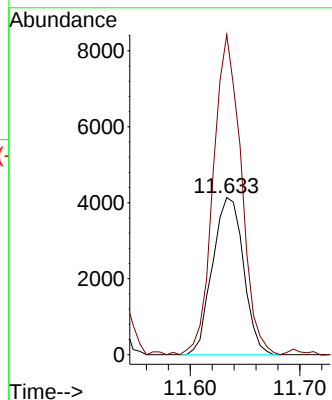
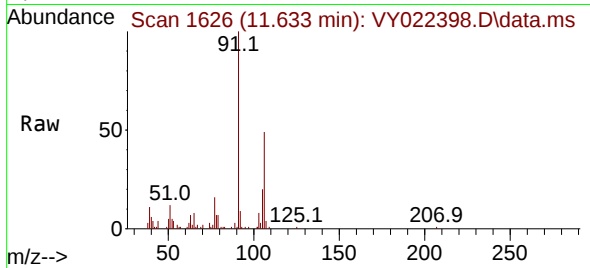




#68
m/p-Xylenes
Concen: 1.564 ug/l
RT: 11.633 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

Instrument :
MSVOA_Y
ClientSampleId :
TP-22

Tgt Ion:106 Resp: 8109
Ion Ratio Lower Upper
106 100
91 184.4 163.0 244.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022398.D
Acq: 22 May 2025 16:06

Tgt Ion:152 Resp: 119664
Ion Ratio Lower Upper
152 100
115 55.9 29.4 88.2
150 156.1 0.0 353.8

