

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022347.D
 Acq On : 20 May 2025 16:56
 Operator : SY/MD
 Sample : Q2032-01
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11

Quant Time: May 21 01:52:44 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)

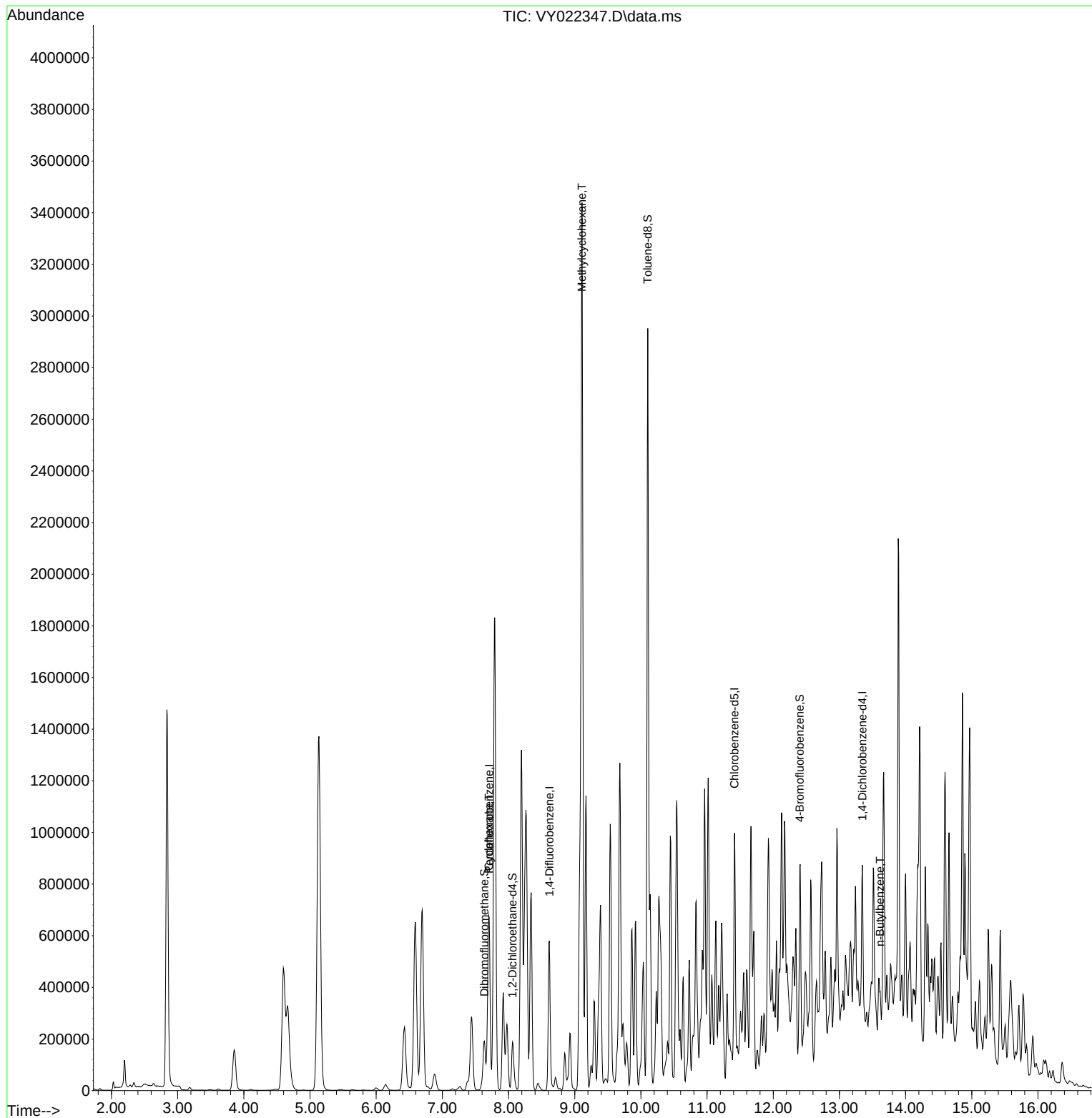
Internal Standards						
1) Pentafluorobenzene	7.707	168	244067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	381188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131143	49.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.320%
35) Dibromofluoromethane	7.634	113	131050	51.271	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.540%
50) Toluene-d8	10.103	98	653457	62.422	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	124.840%
62) 4-Bromofluorobenzene	12.402	95	185871	56.017	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.040%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	212648	39.408	ug/l	94
39) Methylcyclohexane	9.109	83	1115808	197.270	ug/l	97
89) n-Butylbenzene	13.615	91	69404	6.148	ug/l #	65

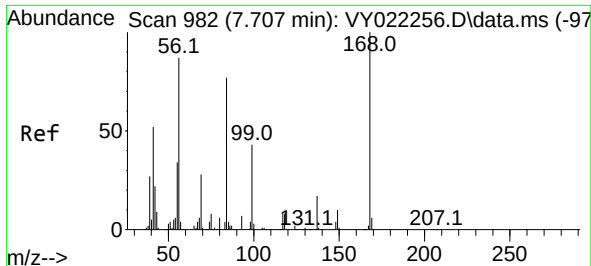
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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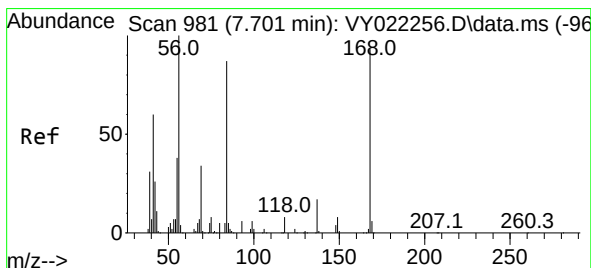
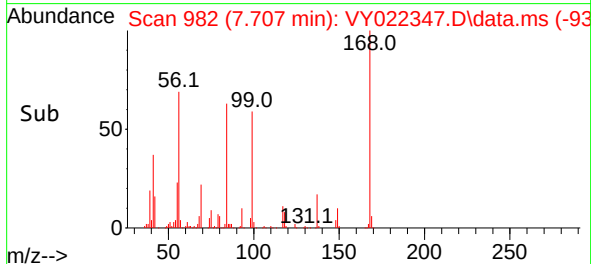
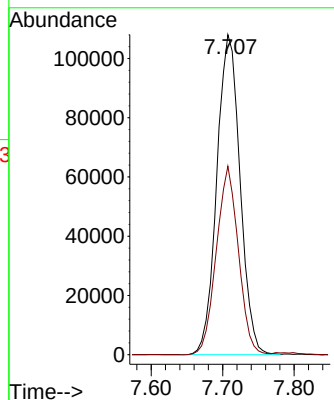
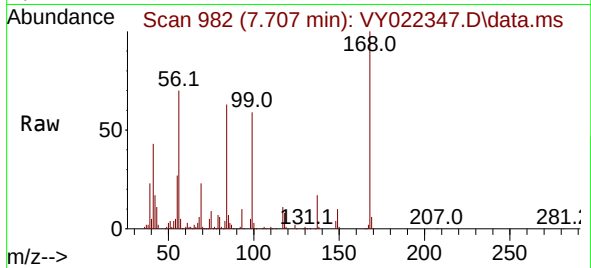




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022347.D
Acq: 20 May 2025 16:56

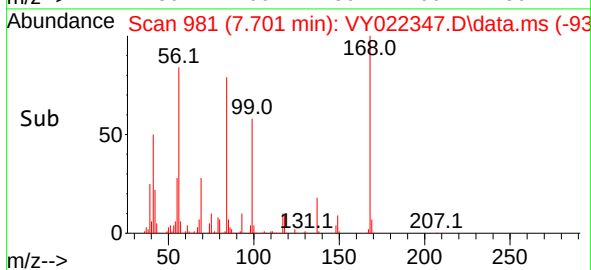
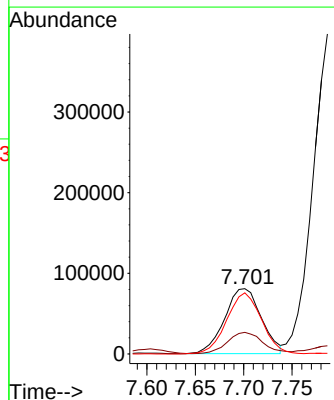
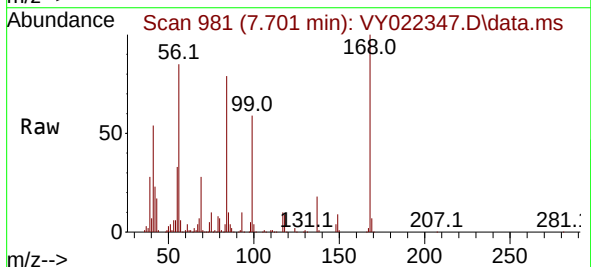
Instrument :
MSVOA_Y
ClientSampleId :
TP-11

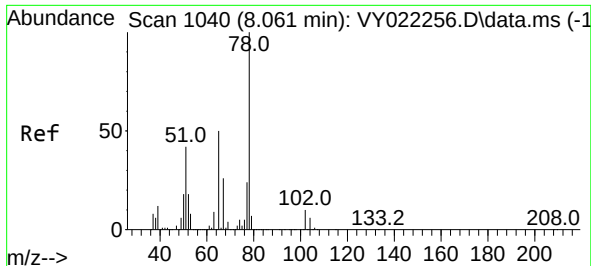
Tgt Ion:168 Resp: 244067
Ion Ratio Lower Upper
168 100
99 58.9 44.2 66.4



#31
Cyclohexane
Concen: 39.408 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022347.D
Acq: 20 May 2025 16:56

Tgt Ion: 56 Resp: 212648
Ion Ratio Lower Upper
56 100
69 31.9 27.4 41.2
84 94.0 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 49.165 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022347.D

Acq: 20 May 2025 16:56

Instrument :

MSVOA_Y

ClientSampleId :

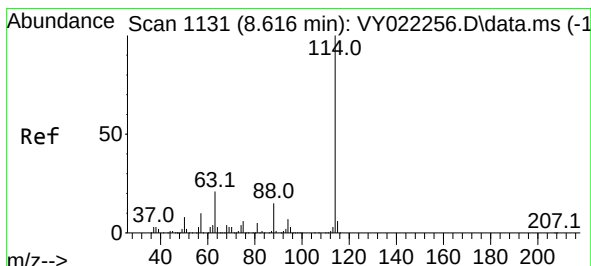
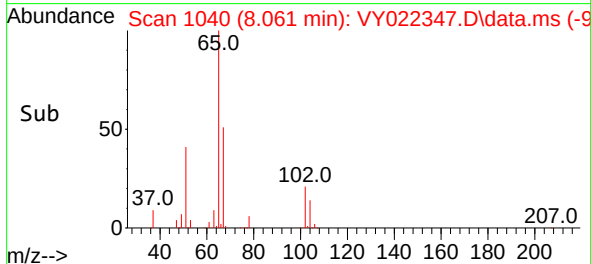
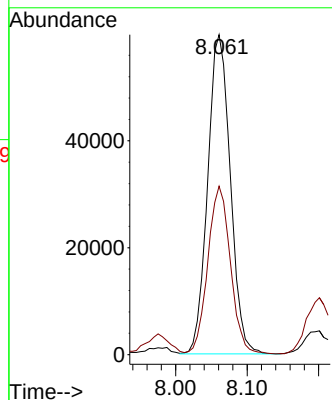
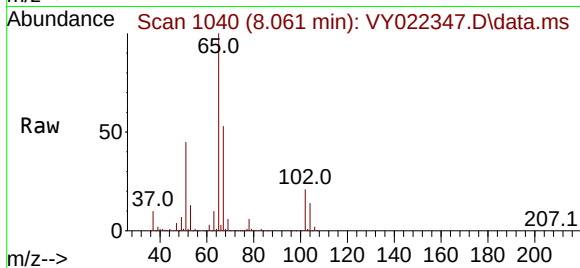
TP-11

Tgt Ion: 65 Resp: 131143

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022347.D

Acq: 20 May 2025 16:56

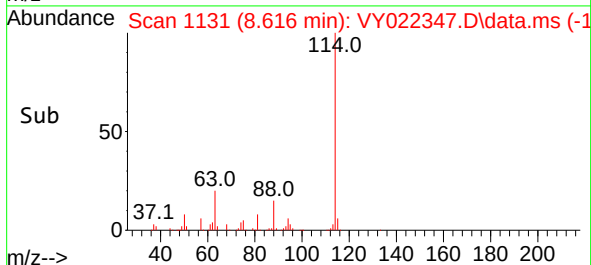
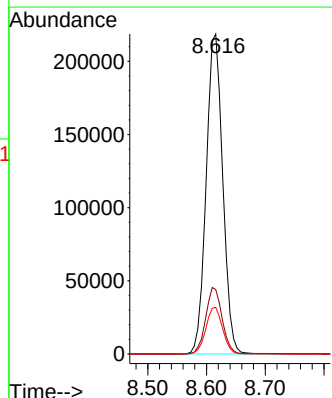
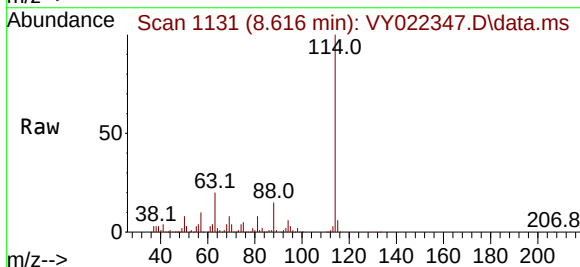
Tgt Ion: 114 Resp: 428249

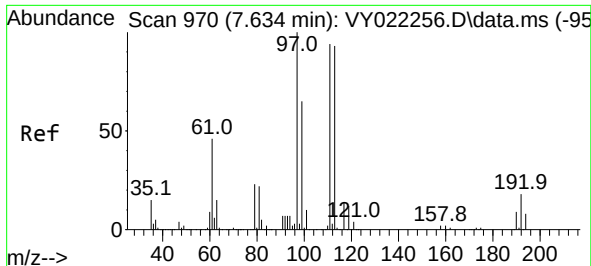
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.6 0.0 29.4

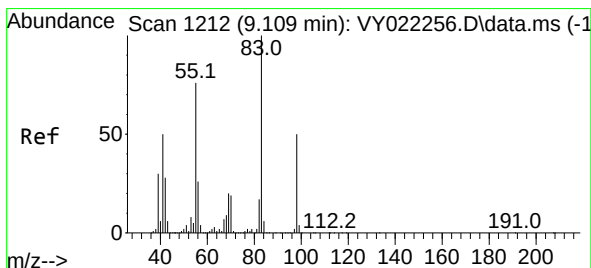
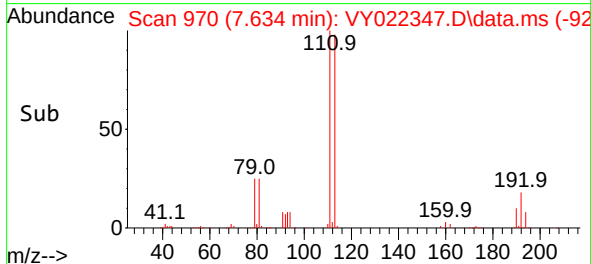
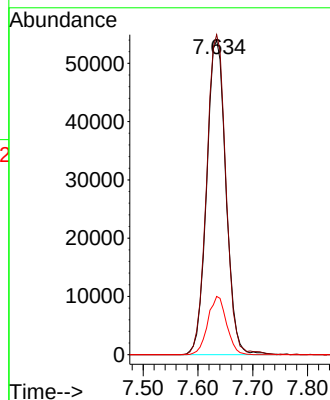
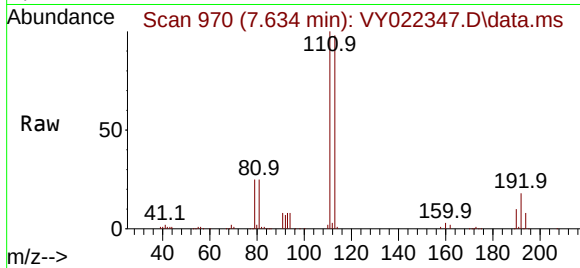




#35
 Dibromofluoromethane
 Concen: 51.271 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY022347.D
 Acq: 20 May 2025 16:56

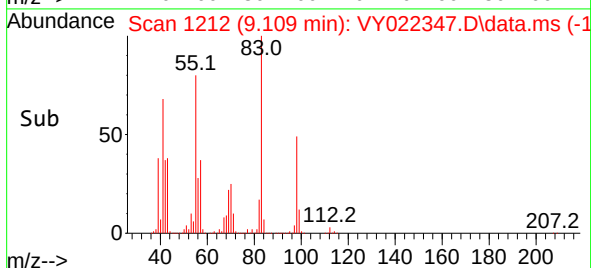
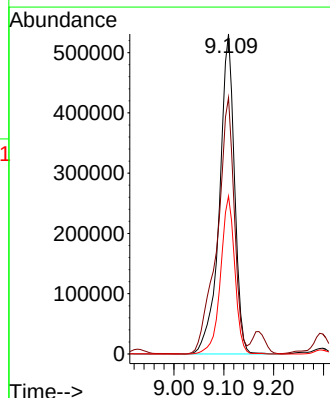
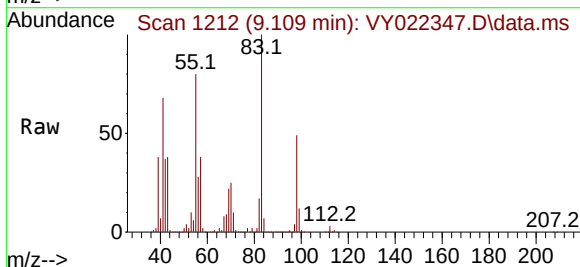
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11

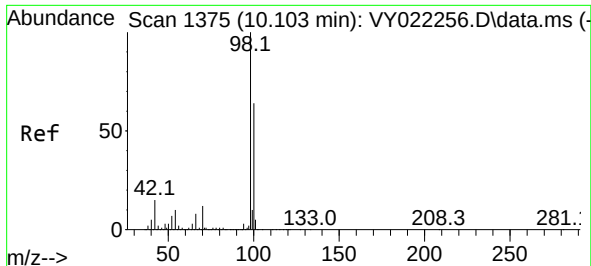
Tgt Ion:113 Resp: 131050
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 18.1 15.2 22.8



#39
 Methylcyclohexane
 Concen: 197.270 ug/l
 RT: 9.109 min Scan# 1212
 Delta R.T. 0.000 min
 Lab File: VY022347.D
 Acq: 20 May 2025 16:56

Tgt Ion: 83 Resp: 1115808
 Ion Ratio Lower Upper
 83 100
 55 80.1 60.6 90.8
 98 49.3 40.0 60.0

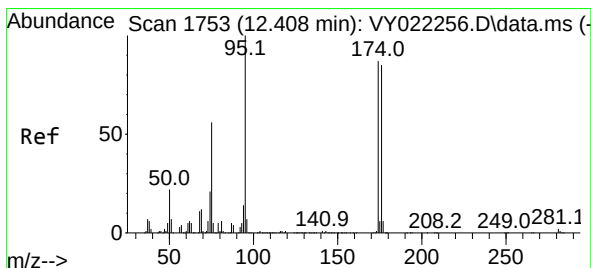
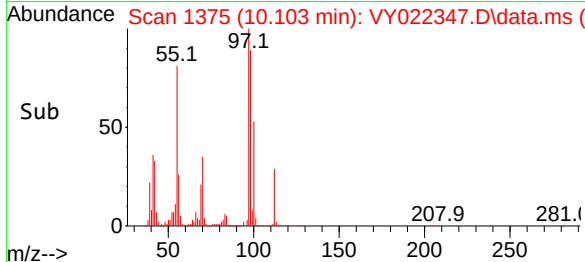
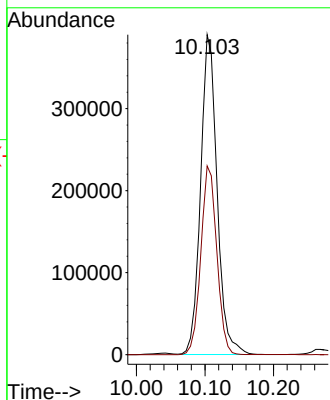
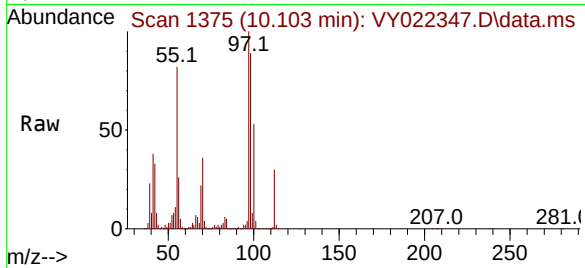




#50
Toluene-d8
Concen: 62.422 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022347.D
Acq: 20 May 2025 16:56

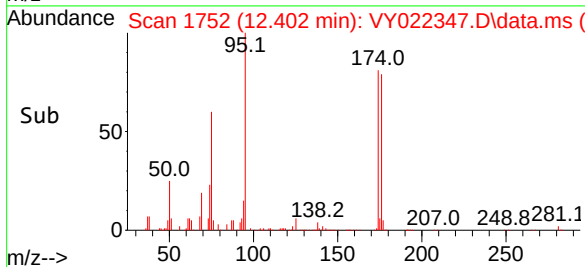
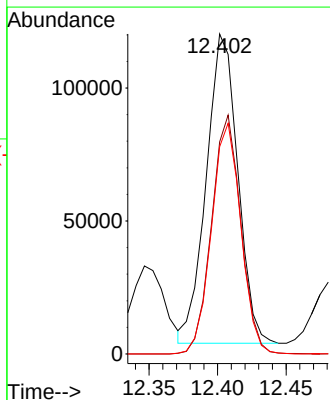
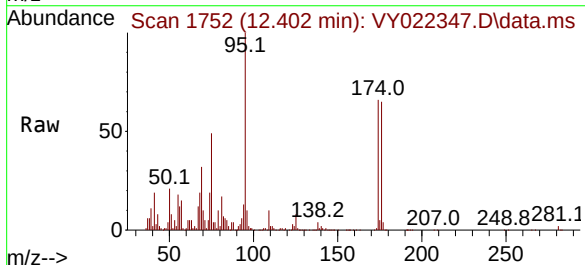
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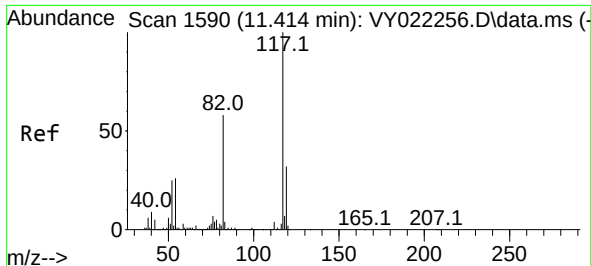
Tgt Ion: 98 Resp: 653457
Ion Ratio Lower Upper
98 100
100 57.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 56.017 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022347.D
Acq: 20 May 2025 16:56

Tgt Ion: 95 Resp: 185871
Ion Ratio Lower Upper
95 100
174 71.8 0.0 166.8
176 69.6 0.0 160.8

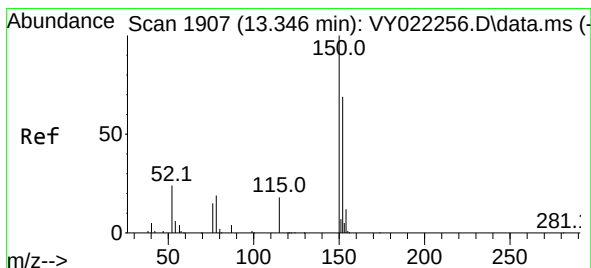
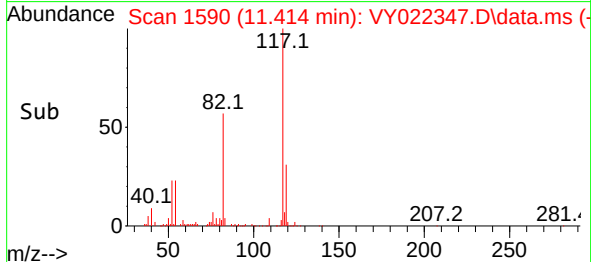
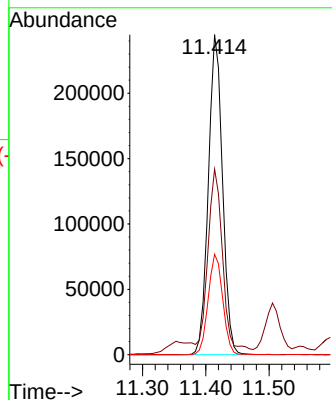
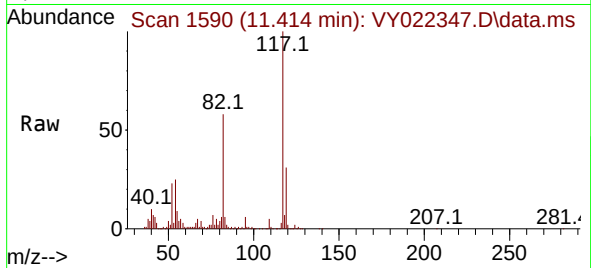




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022347.D
Acq: 20 May 2025 16:56

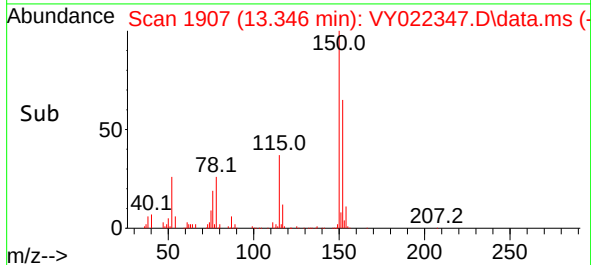
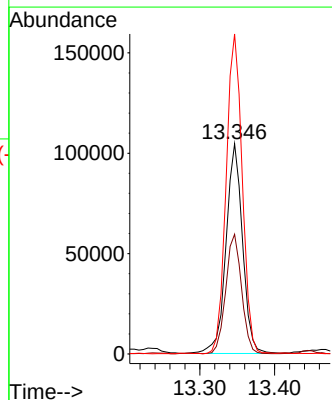
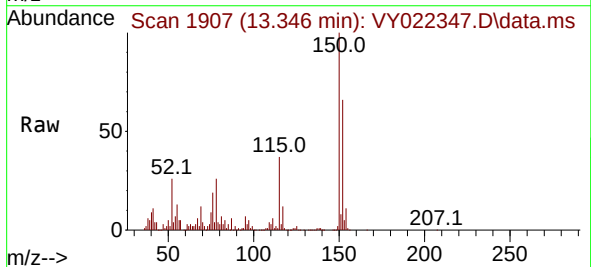
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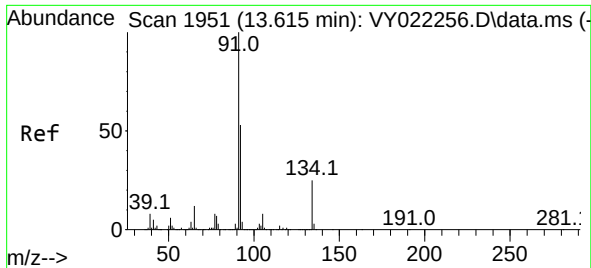
Tgt Ion:117 Resp: 381188
Ion Ratio Lower Upper
117 100
82 54.2 46.6 70.0
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022347.D
Acq: 20 May 2025 16:56

Tgt Ion:152 Resp: 160799
Ion Ratio Lower Upper
152 100
115 54.4 29.4 88.2
150 148.3 0.0 353.8





#89

n-Butylbenzene

Concen: 6.148 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022347.D

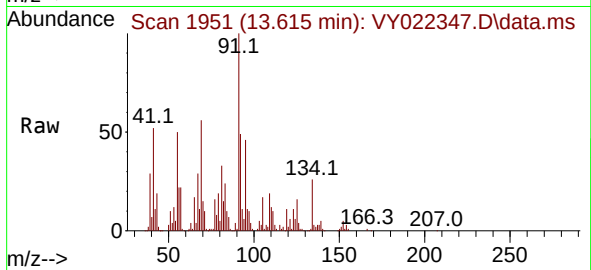
Acq: 20 May 2025 16:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-11



Tgt Ion:	91	Resp:	69404
Ion	Ratio	Lower	Upper
91	100		
92	39.5	26.3	78.9
134	59.9	12.4	37.4

