

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023720.D
 Acq On : 10 Nov 2025 17:22
 Operator : SY/MD
 Sample : Q3593-11
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-LAW-25-0156-0166-COMP

Quant Time: Nov 11 02:10:08 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)

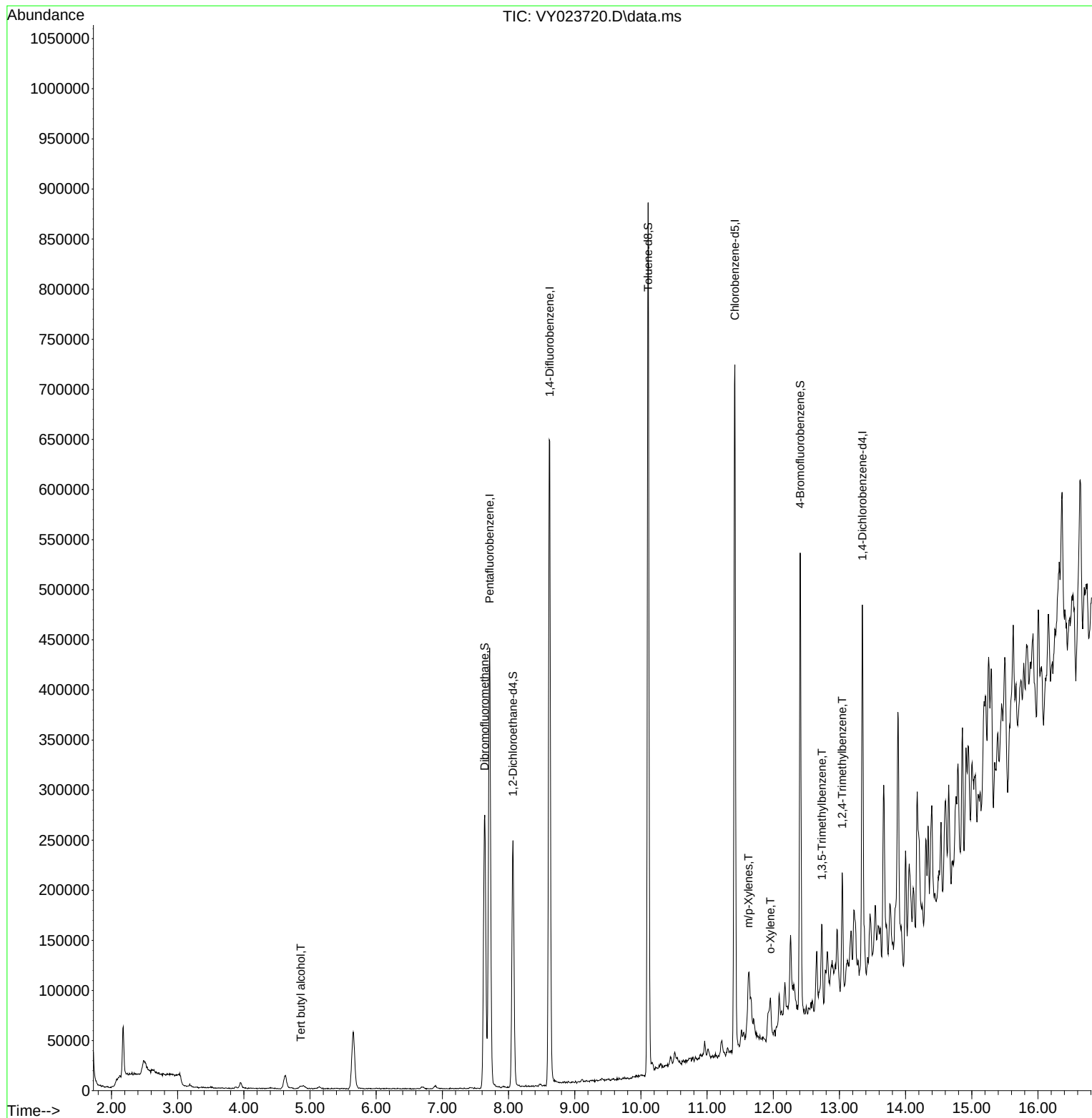
Internal Standards						
1) Pentafluorobenzene	7.713	168	362700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	591088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	397156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	101655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	194384	64.091	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.180%
35) Dibromofluoromethane	7.640	113	200737	55.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.540%
50) Toluene-d8	10.109	98	573065	42.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.740%
62) 4-Bromofluorobenzene	12.408	95	134472	30.113	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.220%
Target Compounds						
11) Tert butyl alcohol	4.860	59	5465	24.221	ug/l	Qvalue # 85
68) m/p-Xylenes	11.627	106	18544	3.307	ug/l	96
69) o-Xylene	11.957	106	7189	1.367	ug/l	85
80) 1,3,5-Trimethylbenzene	12.737	105	18232	3.368	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	58503	10.829	ug/l	99

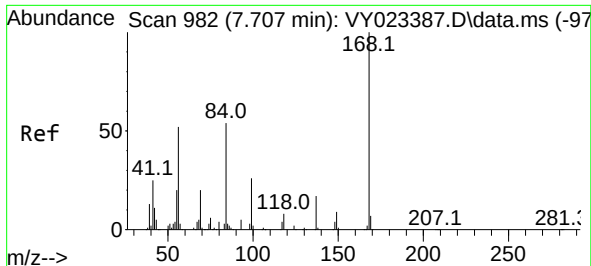
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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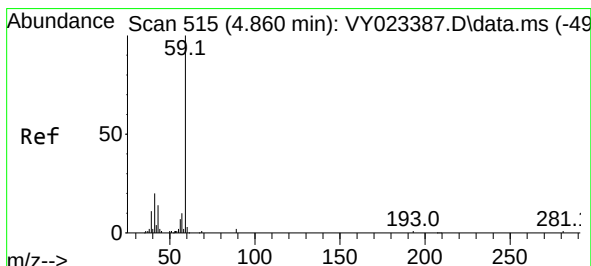
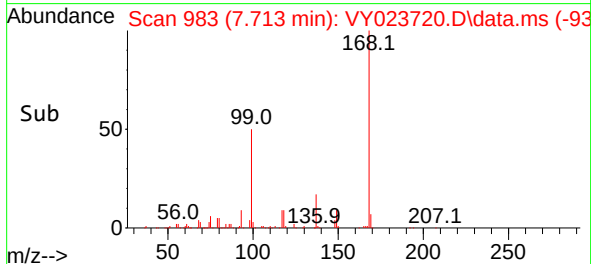
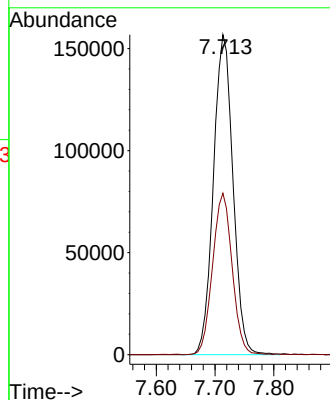
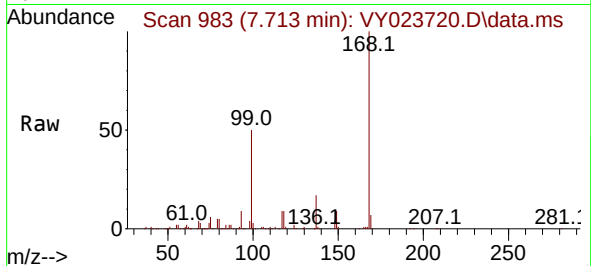




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

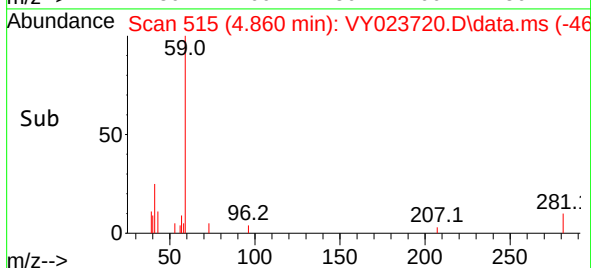
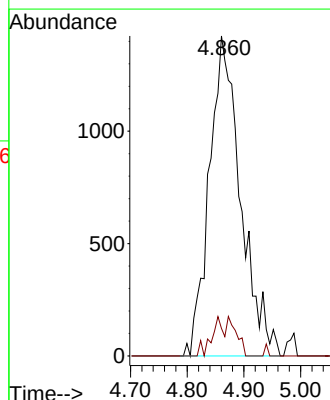
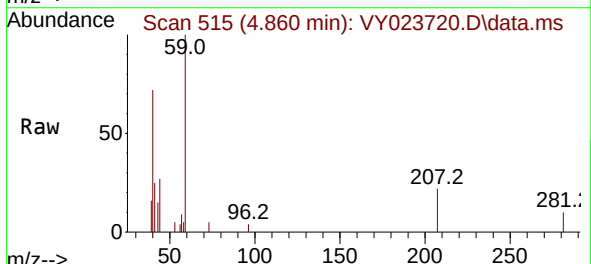
Instrument :
MSVOA_Y
ClientSampleId :
D-LAW-25-0156-0166-COMP

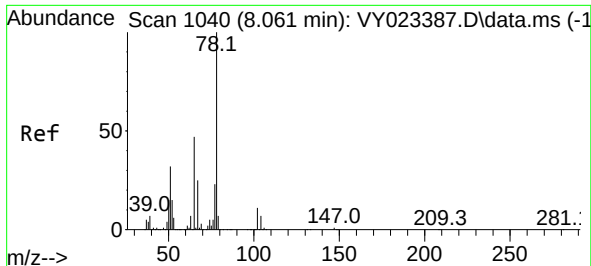
Tgt Ion:168 Resp: 362700
Ion Ratio Lower Upper
168 100
99 50.4 39.7 59.5



#11
Tert butyl alcohol
Concen: 24.221 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 59 Resp: 5465
Ion Ratio Lower Upper
59 100
57 4.6 8.3 12.5#





#33

1,2-Dichloroethane-d4

Concen: 64.091 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023720.D

Acq: 10 Nov 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

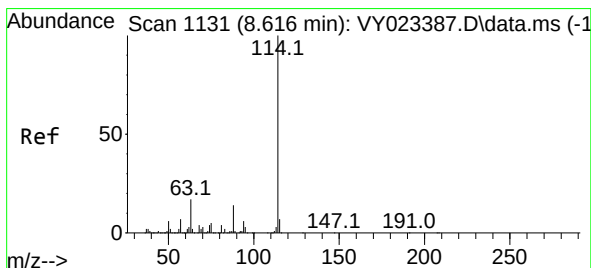
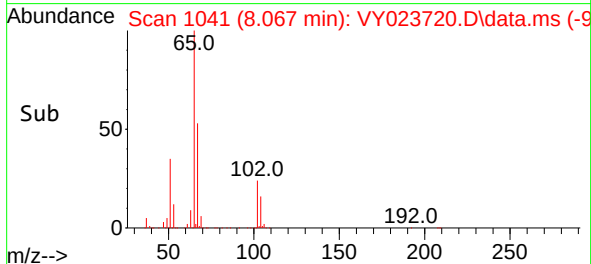
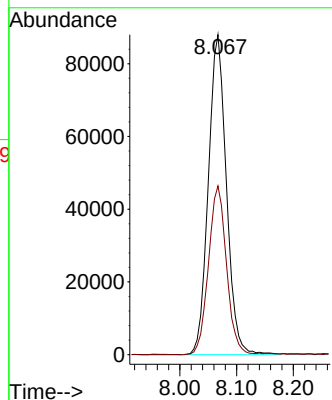
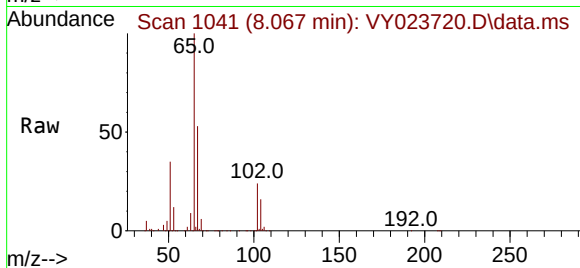
D-LAW-25-0156-0166-COMP

Tgt Ion: 65 Resp: 194384

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023720.D

Acq: 10 Nov 2025 17:22

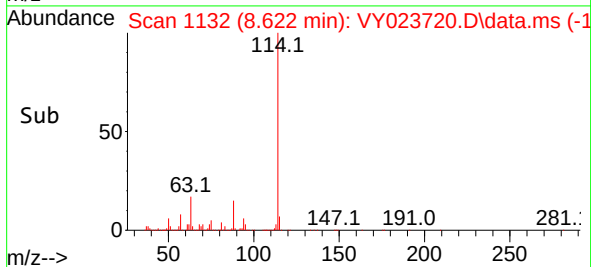
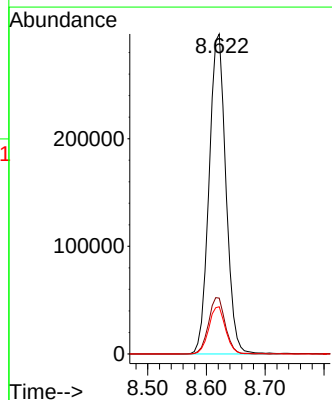
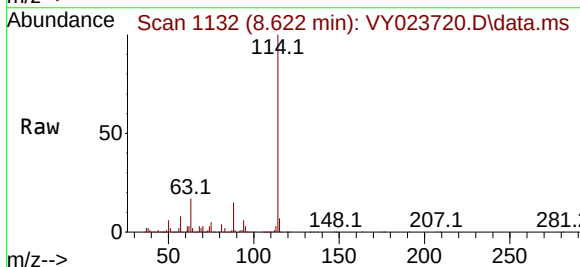
Tgt Ion: 114 Resp: 591088

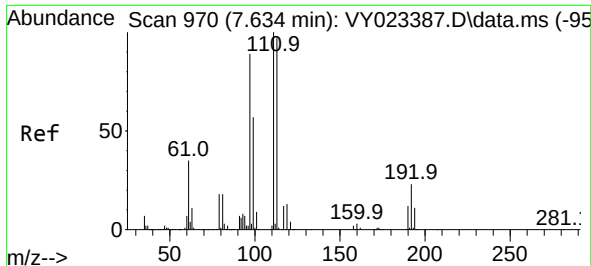
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.2

88 14.7 0.0 28.4

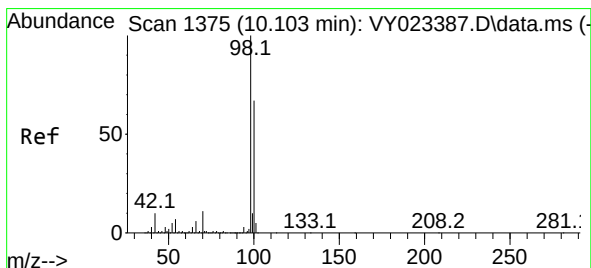
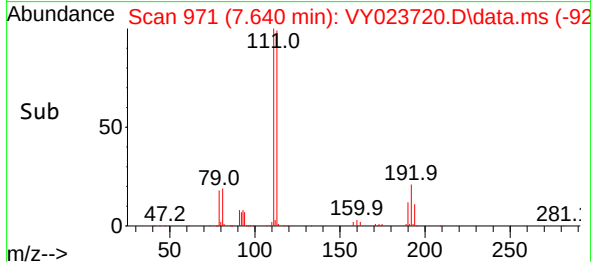
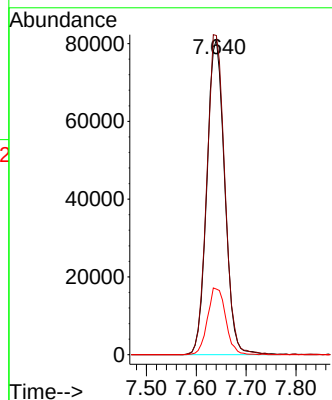
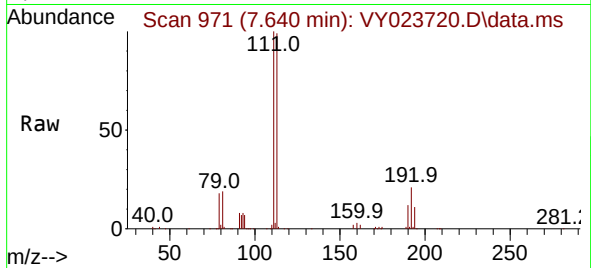




#35
Dibromofluoromethane
Concen: 55.270 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

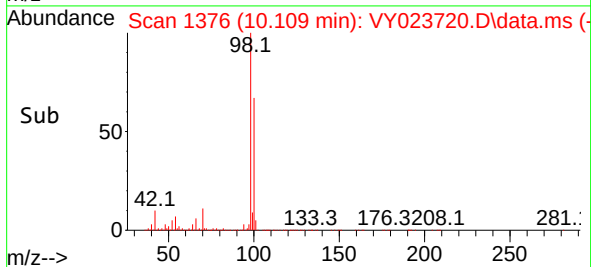
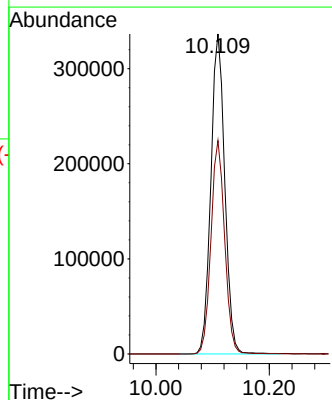
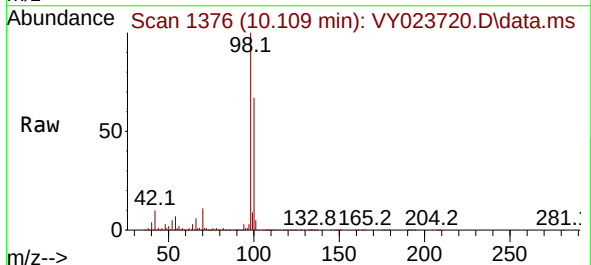
Instrument :
MSVOA_Y
ClientSampleId :
D-LAW-25-0156-0166-COMP

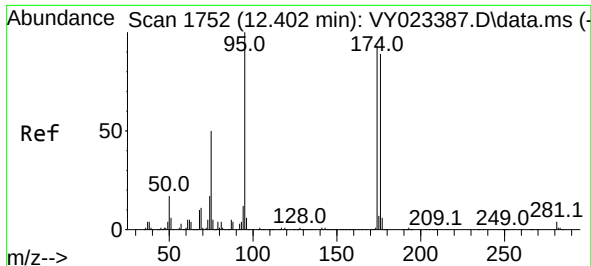
Tgt Ion:113 Resp: 200737
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 21.6 18.0 27.0



#50
Toluene-d8
Concen: 42.368 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 98 Resp: 573065
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

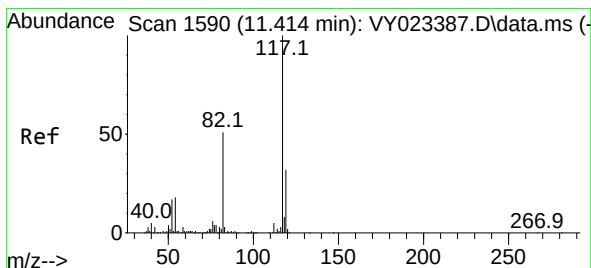
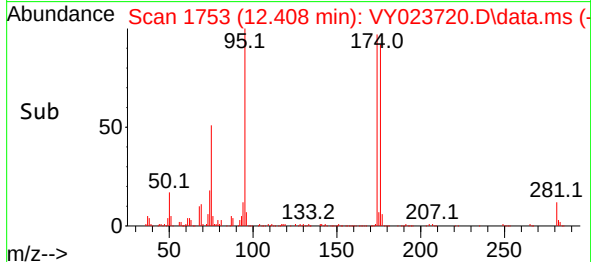
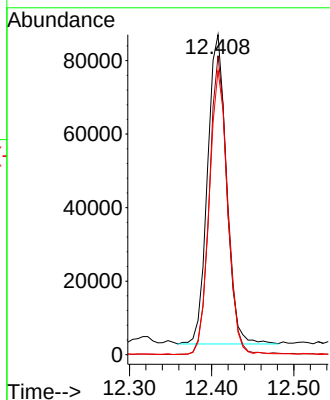
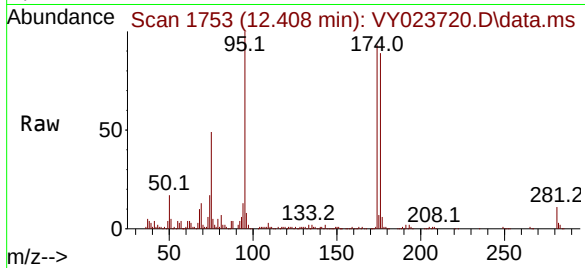




#62
4-Bromofluorobenzene
Concen: 30.113 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

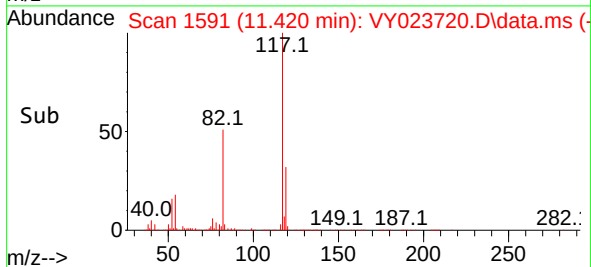
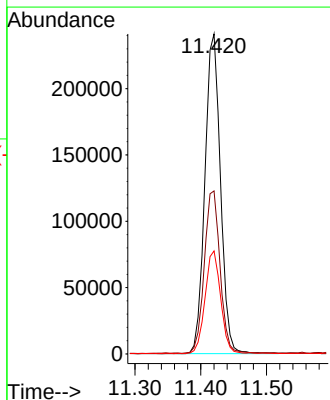
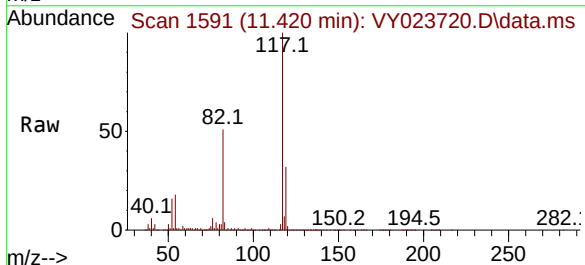
Instrument :
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ClientSampleId :
D-LAW-25-0156-0166-COMP

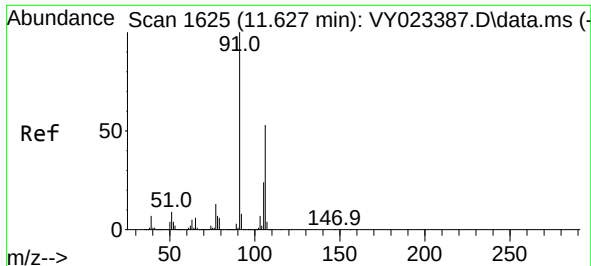
Tgt Ion: 95 Resp: 134472
Ion Ratio Lower Upper
95 100
174 92.5 0.0 192.8
176 88.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 117 Resp: 397156
Ion Ratio Lower Upper
117 100
82 50.7 41.0 61.4
119 32.1 25.6 38.4

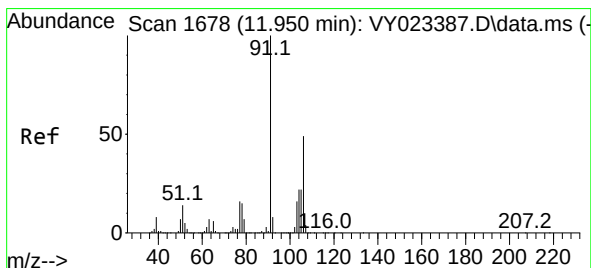
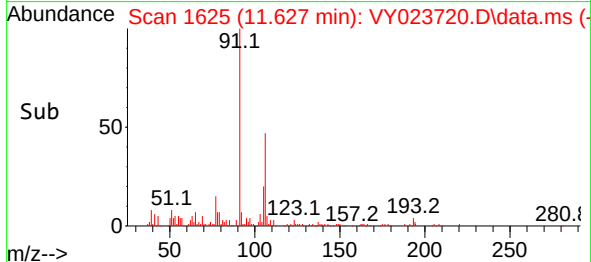
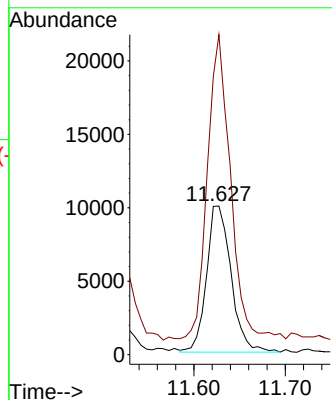
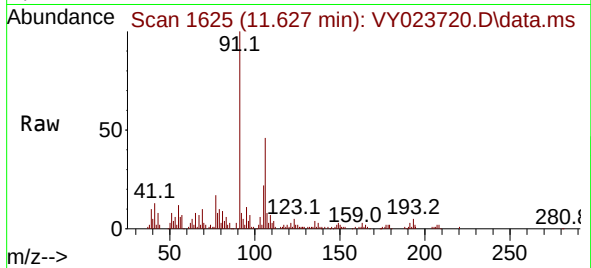




#68
m/p-Xylenes
Concen: 3.307 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

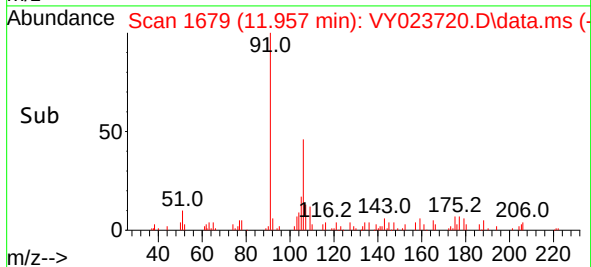
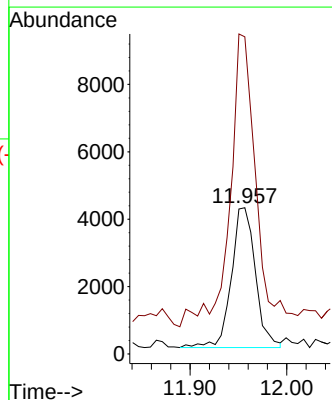
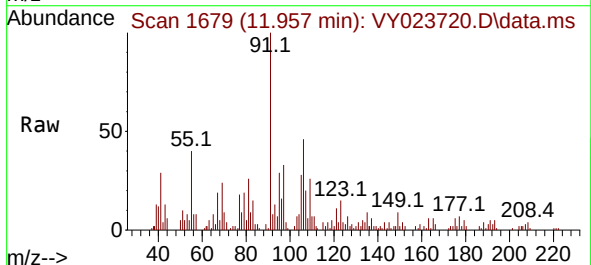
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ClientSampleId :
D-LAW-25-0156-0166-COMP

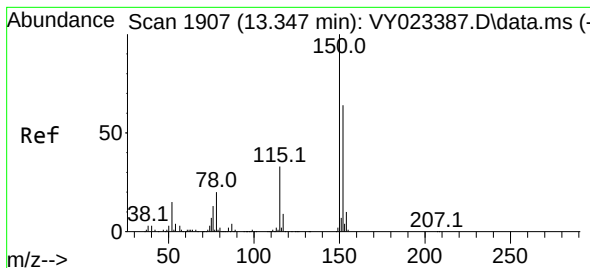
Tgt Ion:106 Resp: 18544
Ion Ratio Lower Upper
106 100
91 196.4 152.6 229.0



#69
o-Xylene
Concen: 1.367 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023720.D
Acq: 10 Nov 2025 17:22

Tgt Ion:106 Resp: 7189
Ion Ratio Lower Upper
106 100
91 226.2 101.4 304.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023720.D

Acq: 10 Nov 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

D-LAW-25-0156-0166-COMP

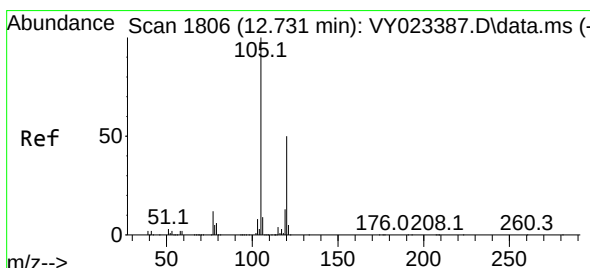
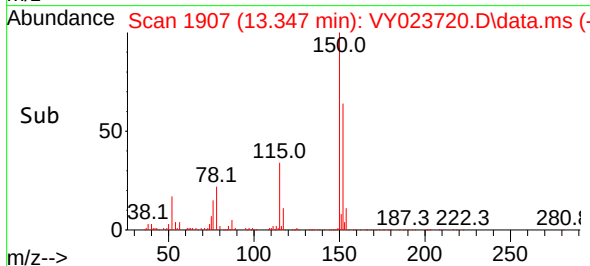
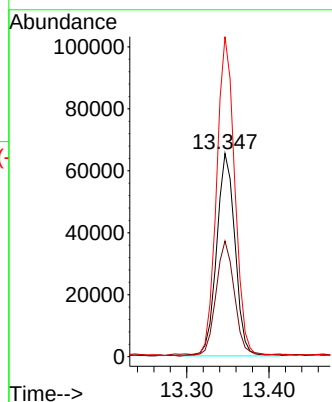
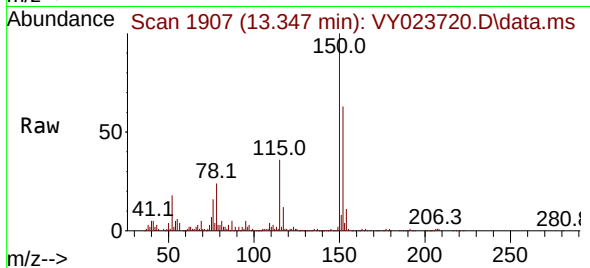
Tgt Ion:152 Resp: 101655

Ion Ratio Lower Upper

152 100

115 55.3 27.1 81.2

150 155.5 0.0 347.4



#80

1,3,5-Trimethylbenzene

Concen: 3.368 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023720.D

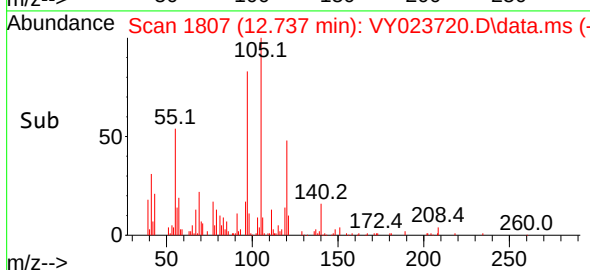
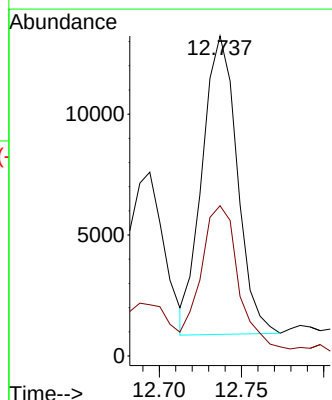
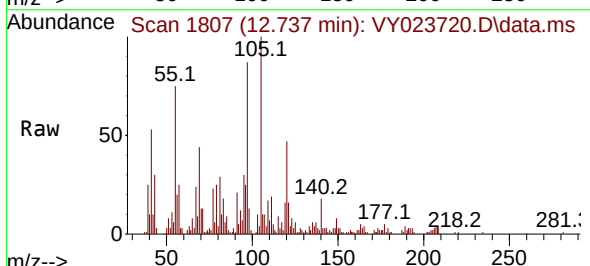
Acq: 10 Nov 2025 17:22

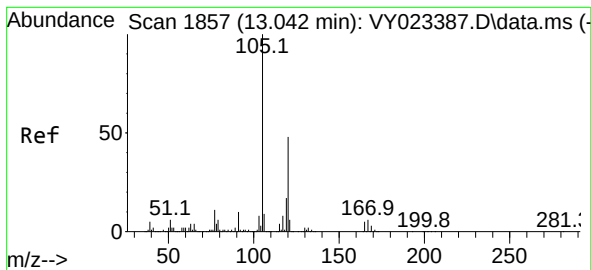
Tgt Ion:105 Resp: 18232

Ion Ratio Lower Upper

105 100

120 52.7 25.4 76.4





#84

1,2,4-Trimethylbenzene

Concen: 10.829 ug/l

RT: 13.042 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023720.D

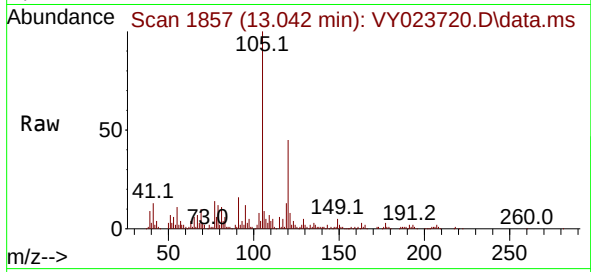
Acq: 10 Nov 2025 17:22

Instrument :

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Tgt Ion:105 Resp: 58503

Ion Ratio Lower Upper

105 100

120 46.8 23.8 71.2

