

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021844.D
 Acq On : 10 Apr 2025 17:34
 Operator : SY/MD
 Sample : Q1771-03
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6C-VOC

Quant Time: Apr 11 06:05:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

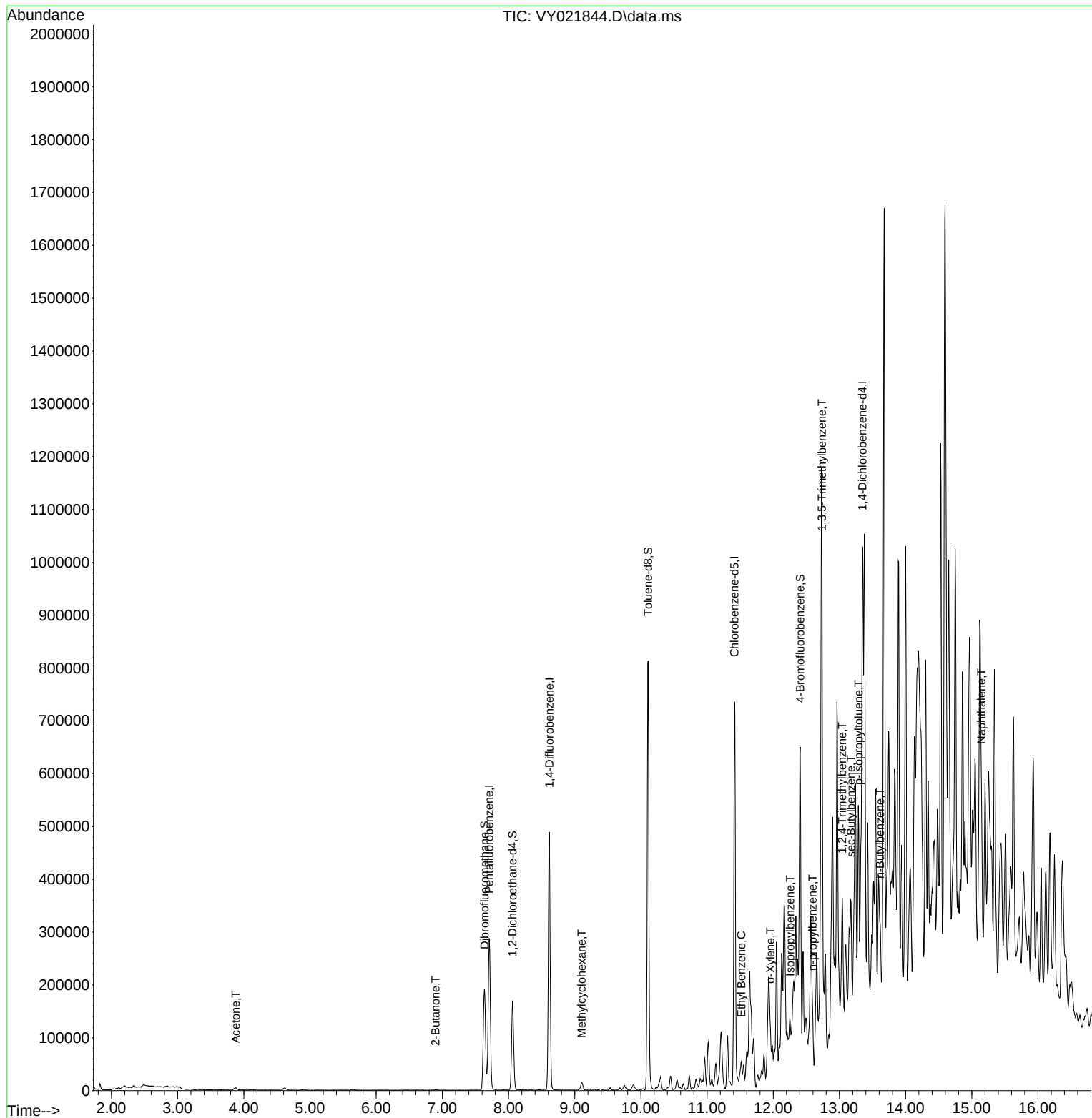
Internal Standards						
1) Pentafluorobenzene	7.707	168	214631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	399242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	376987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130938	56.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.620%	
35) Dibromofluoromethane	7.640	113	136988	52.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.780%	
50) Toluene-d8	10.109	98	502126	50.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.407	95	171458	51.449	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.900%	
Target Compounds						Qvalue
16) Acetone	3.879	43	8145	17.114	ug/l	93
25) 2-Butanone	6.896	43	1573	2.314	ug/l #	79
39) Methylcyclohexane	9.103	83	5030	1.067	ug/l #	86
67) Ethyl Benzene	11.517	91	23286	1.571	ug/l	100
69) o-Xylene	11.956	106	9508	1.815	ug/l	88
73) Isopropylbenzene	12.255	105	27014	2.227	ug/l	98
78) n-propylbenzene	12.596	91	62002	4.252	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	43277	4.366	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	100606	10.269	ug/l	99
85) sec-Butylbenzene	13.176	105	91421	7.086	ug/l	88
86) p-Isopropyltoluene	13.291	119	25610	2.402	ug/l	98
89) n-Butylbenzene	13.615	91	88287	8.952	ug/l #	74
95) Naphthalene	15.145	128	162822	36.271	ug/l	95

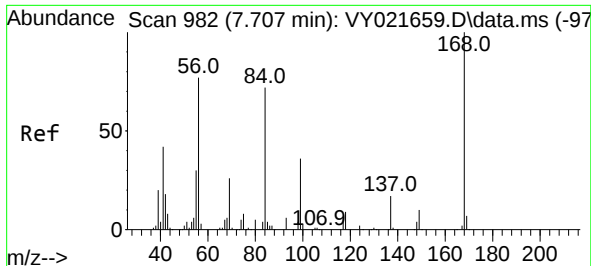
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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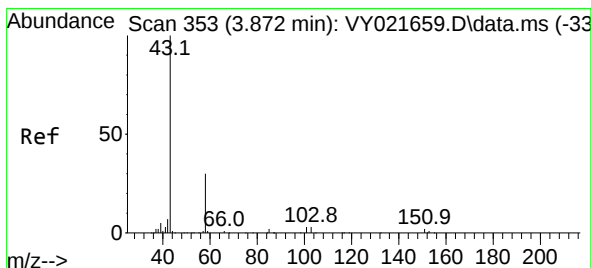
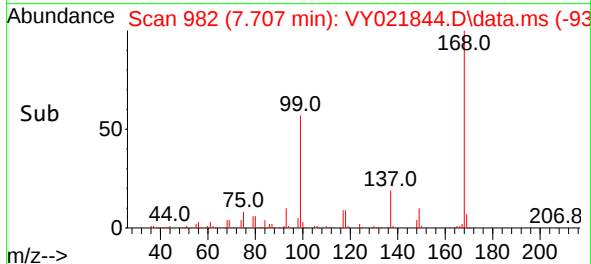
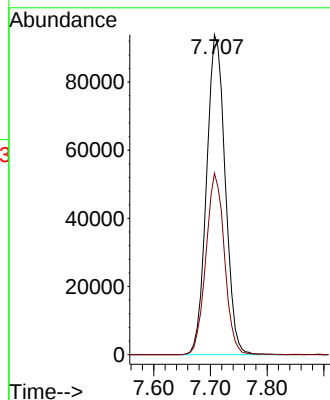
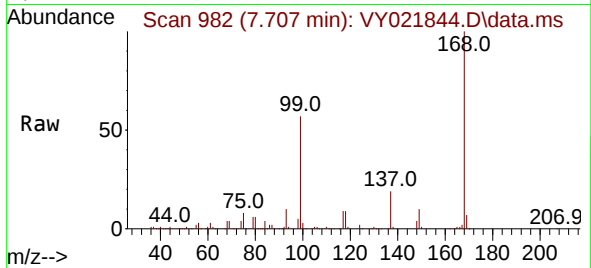




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

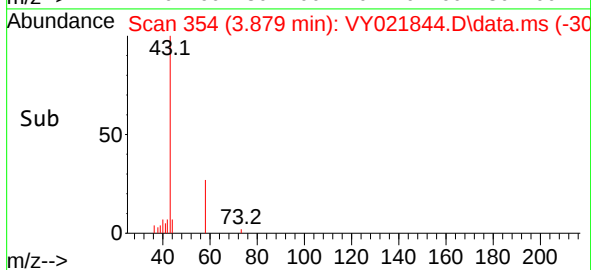
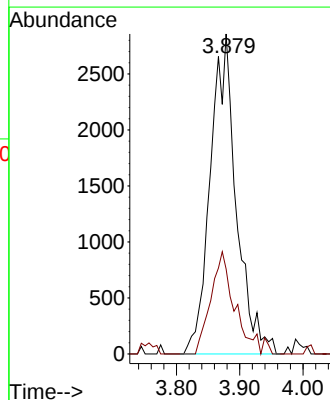
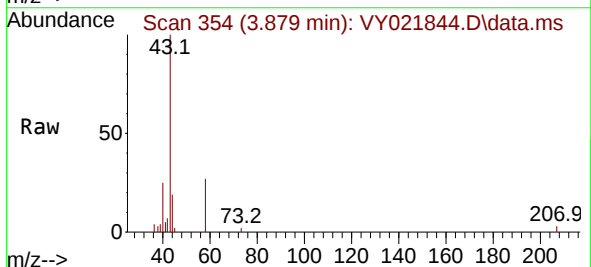
Instrument :
MSVOA_Y
ClientSampleId :
TP-6C-VOC

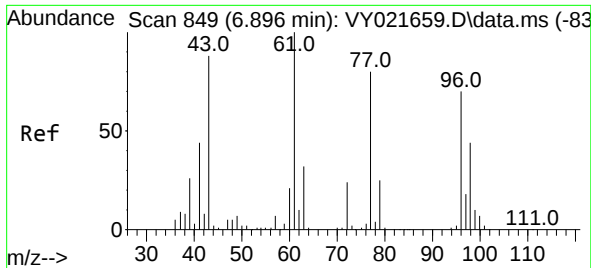
Tgt Ion:168 Resp: 214631
Ion Ratio Lower Upper
168 100
99 56.7 46.7 70.1



#16
Acetone
Concen: 17.114 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

Tgt Ion: 43 Resp: 8145
Ion Ratio Lower Upper
43 100
58 26.5 24.2 36.4

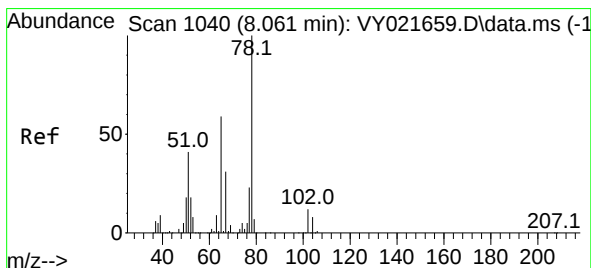
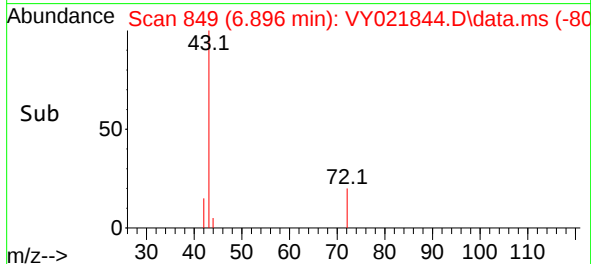
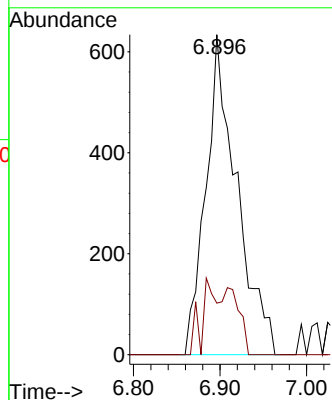
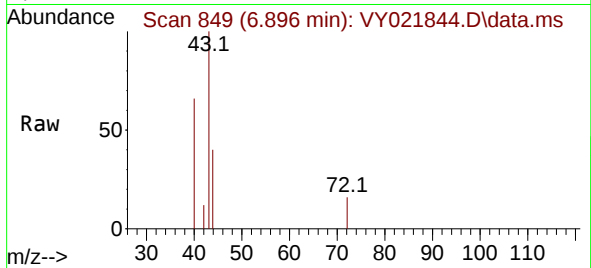




#25
2-Butanone
Concen: 2.314 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

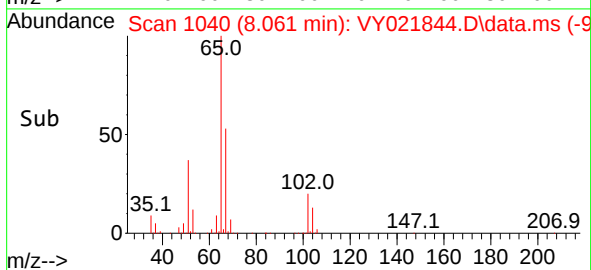
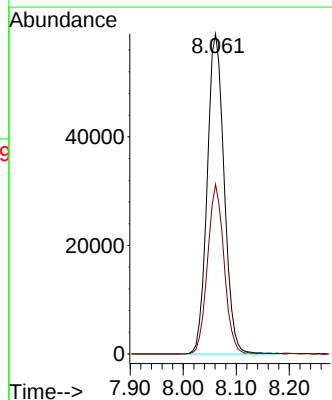
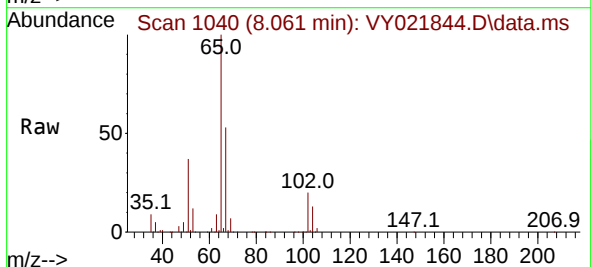
Instrument :
MSVOA_Y
ClientSampleId :
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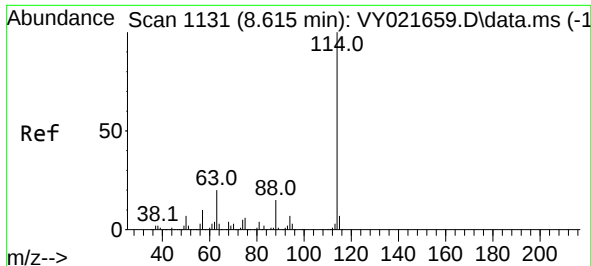
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
72 16.1 21.4 32.2#



#33
1,2-Dichloroethane-d4
Concen: 56.306 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

Tgt Ion: 65 Resp: 130938
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6

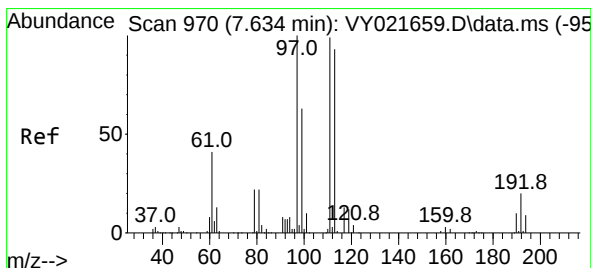
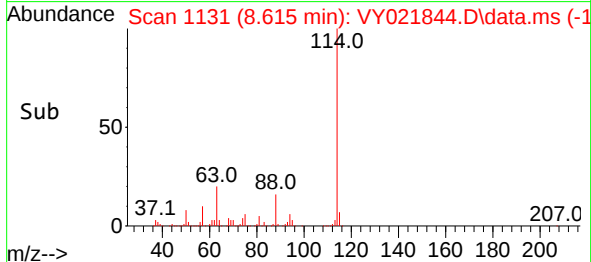
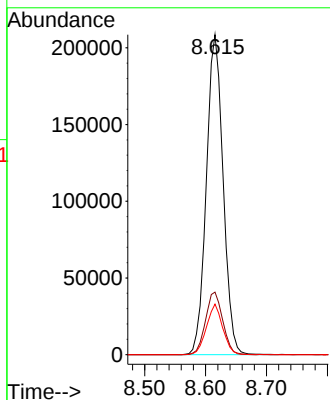
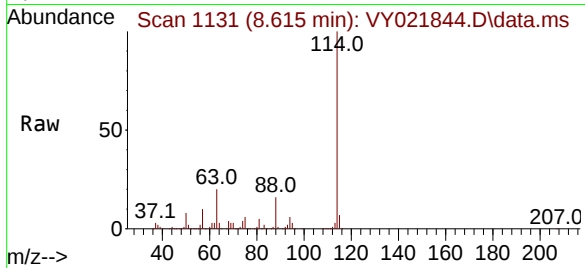




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

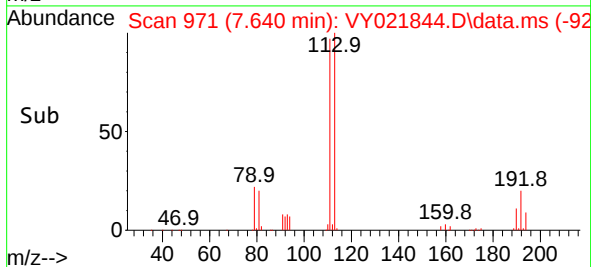
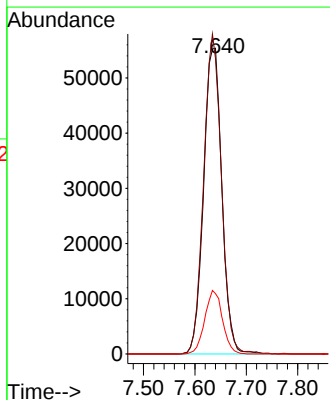
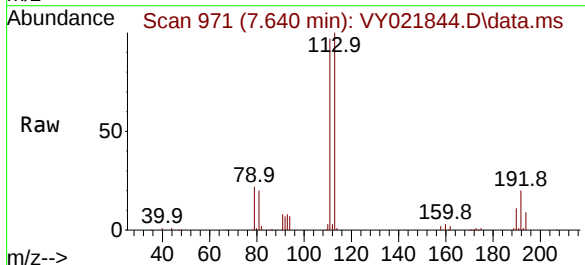
Instrument :
MSVOA_Y
ClientSampleId :
TP-6C-VOC

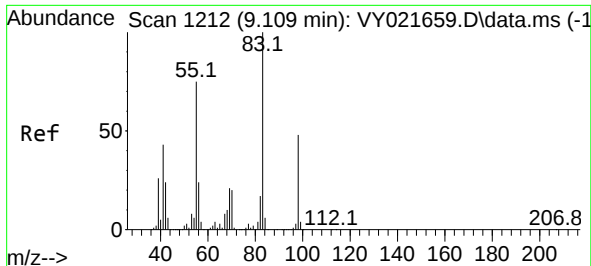
Tgt Ion:114 Resp: 399242
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.2
88 15.8 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.895 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

Tgt Ion:113 Resp: 136988
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 20.1 16.2 24.4





#39

Methylcyclohexane

Concen: 1.067 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021844.D

Acq: 10 Apr 2025 17:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-6C-VOC

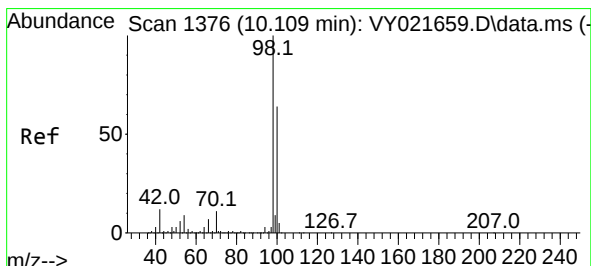
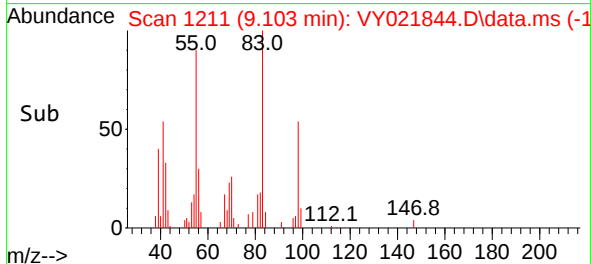
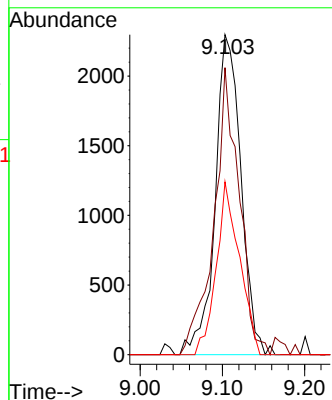
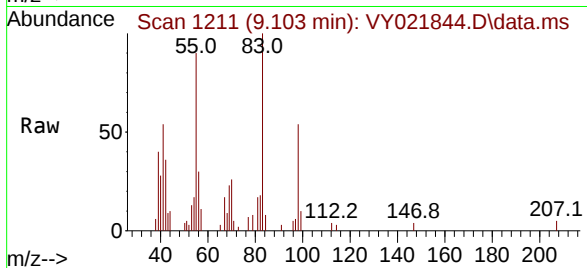
Tgt Ion: 83 Resp: 5030

Ion Ratio Lower Upper

83 100

55 89.7 59.7 89.5#

98 54.0 38.3 57.5



#50

Toluene-d8

Concen: 50.965 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021844.D

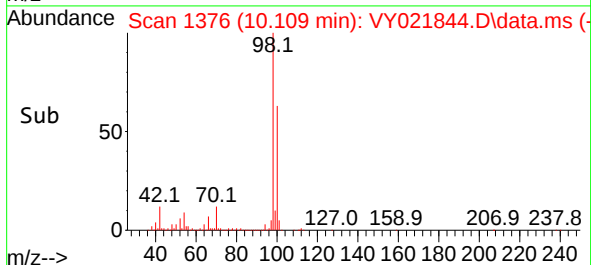
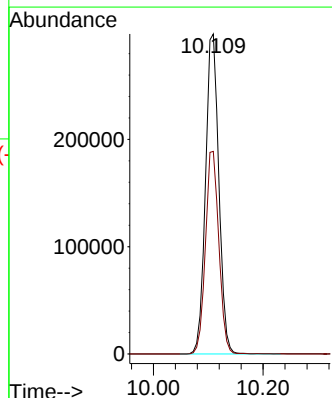
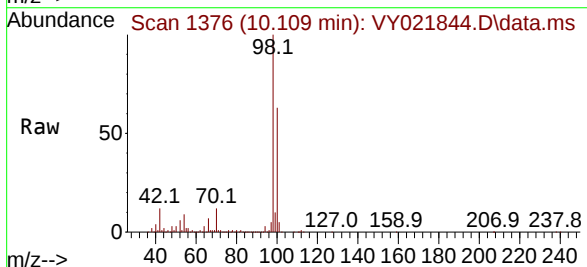
Acq: 10 Apr 2025 17:34

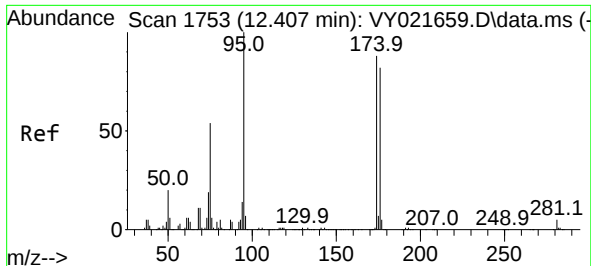
Tgt Ion: 98 Resp: 502126

Ion Ratio Lower Upper

98 100

100 63.6 52.1 78.1

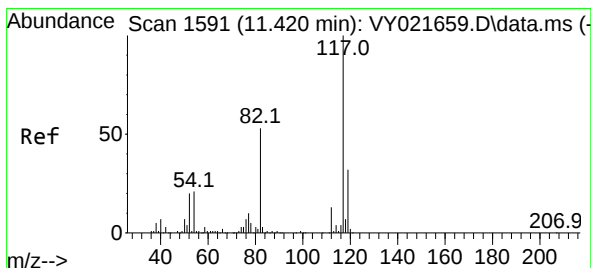
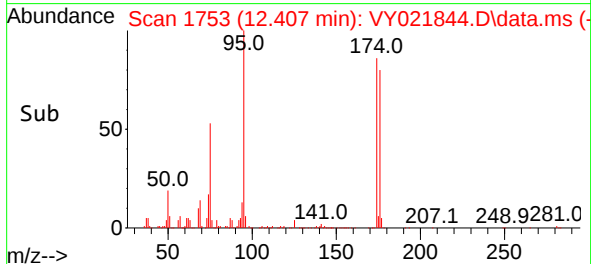
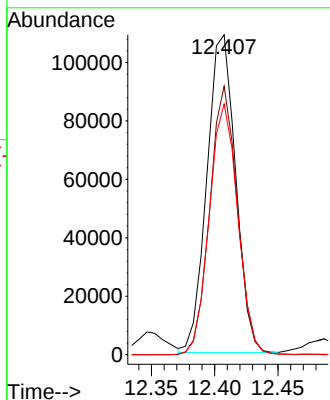
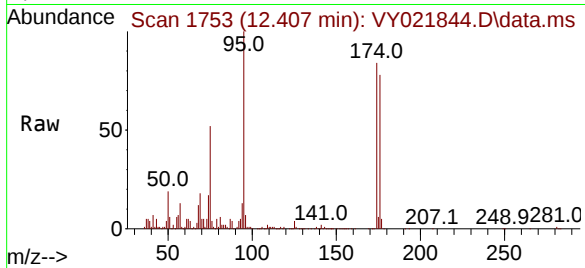




#62
4-Bromofluorobenzene
Concen: 51.449 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

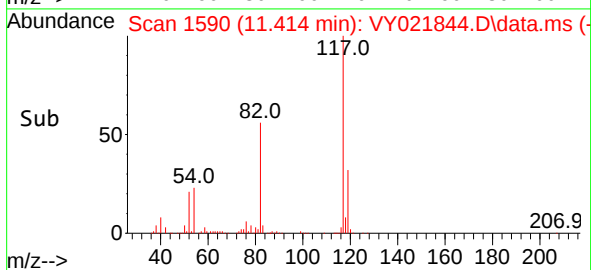
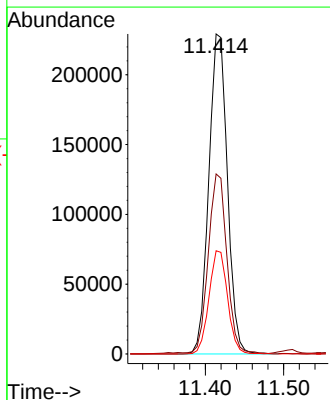
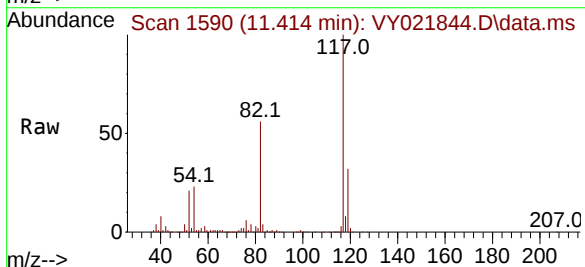
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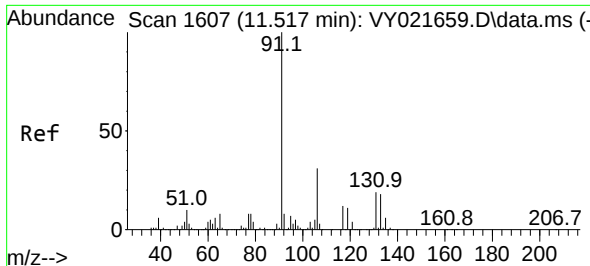
Tgt Ion: 95 Resp: 171458
Ion Ratio Lower Upper
95 100
174 81.2 0.0 170.8
176 78.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

Tgt Ion: 117 Resp: 376987
Ion Ratio Lower Upper
117 100
82 55.8 42.8 64.2
119 32.2 25.7 38.5

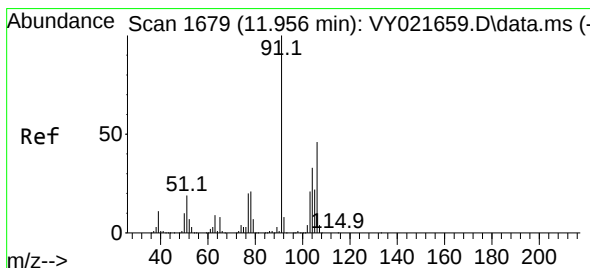
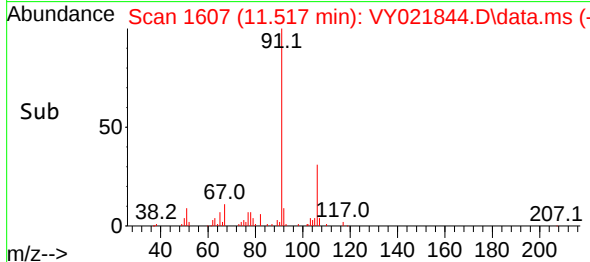
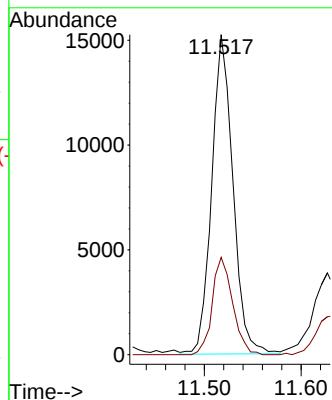
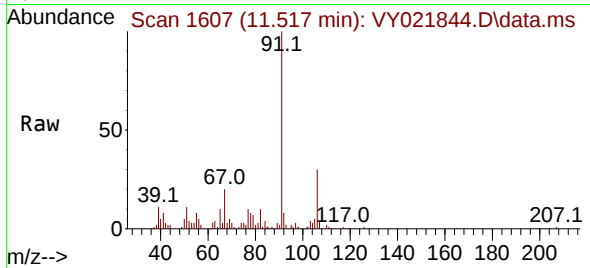




#67
Ethyl Benzene
Concen: 1.571 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

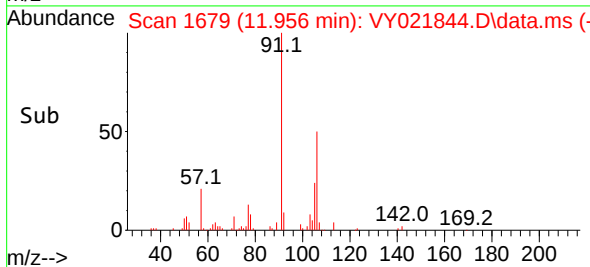
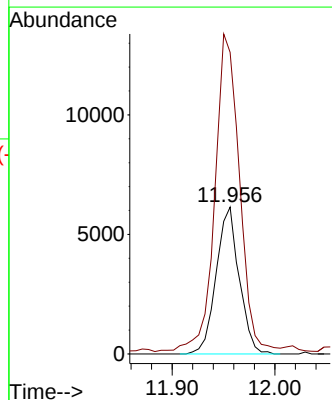
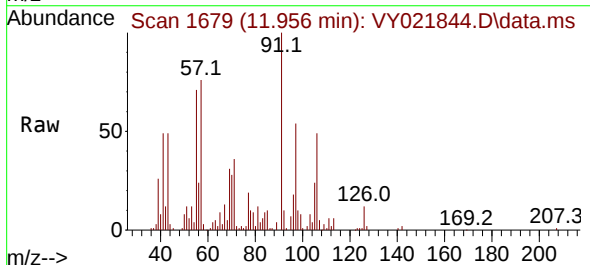
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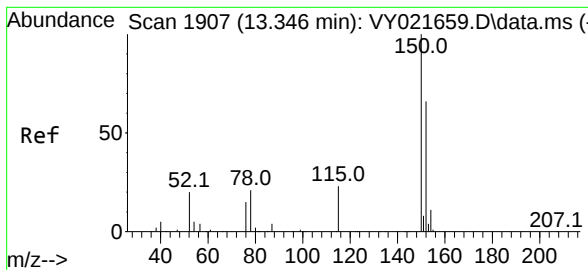
Tgt Ion: 91 Resp: 23286
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#69
o-Xylene
Concen: 1.815 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

Tgt Ion:106 Resp: 9508
Ion Ratio Lower Upper
106 100
91 231.8 106.7 319.9

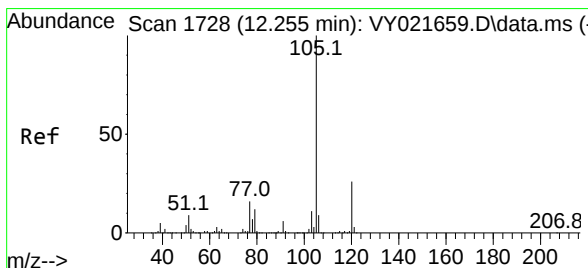
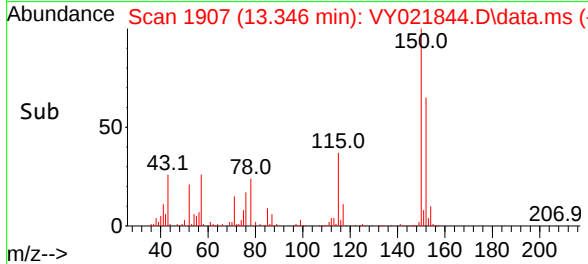
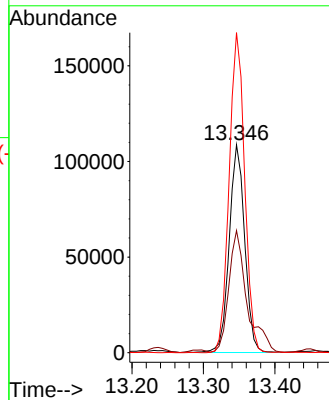
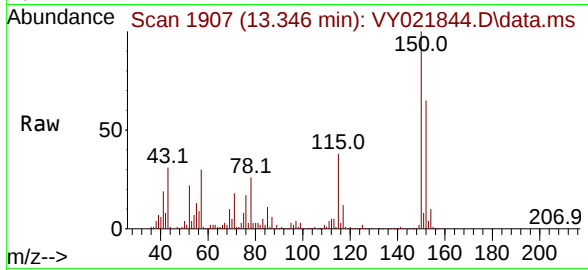




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021844.D
 Acq: 10 Apr 2025 17:34

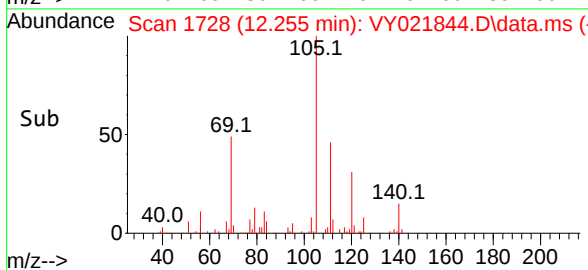
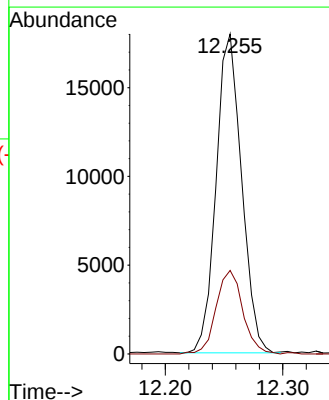
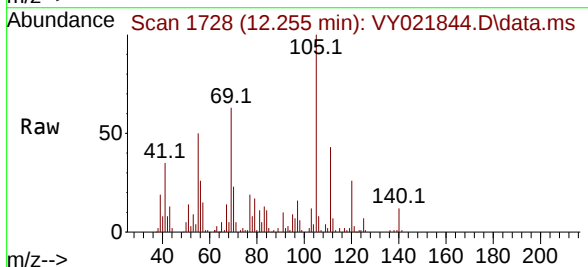
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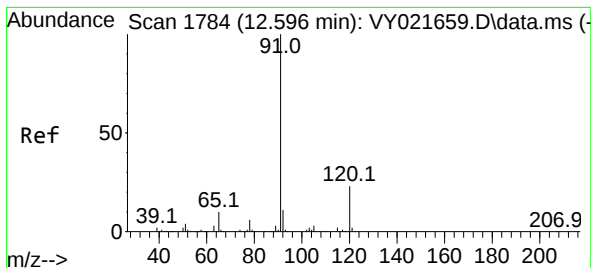
Tgt Ion:152 Resp: 163287
 Ion Ratio Lower Upper
 152 100
 115 68.8 28.8 86.5
 150 154.3 0.0 348.4



#73
 Isopropylbenzene
 Concen: 2.227 ug/l
 RT: 12.255 min Scan# 1728
 Delta R.T. 0.000 min
 Lab File: VY021844.D
 Acq: 10 Apr 2025 17:34

Tgt Ion:105 Resp: 27014
 Ion Ratio Lower Upper
 105 100
 120 27.4 13.2 39.5





#78

n-propylbenzene

Concen: 4.252 ug/l

RT: 12.596 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021844.D

Acq: 10 Apr 2025 17:34

Instrument :

MSVOA_Y

ClientSampleId :

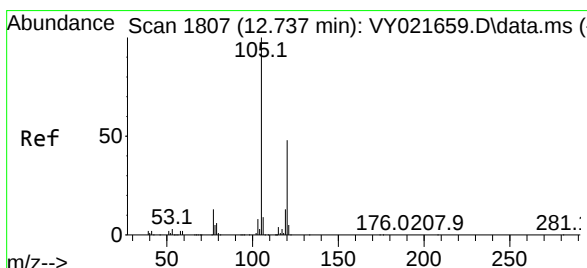
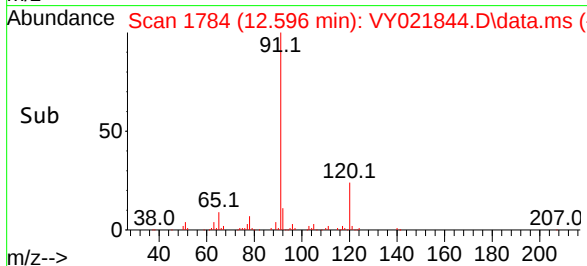
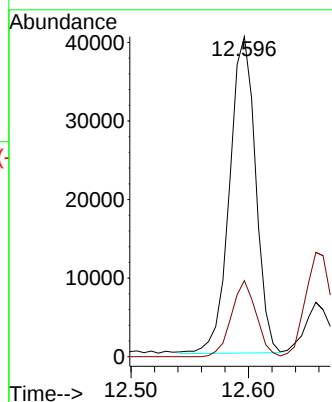
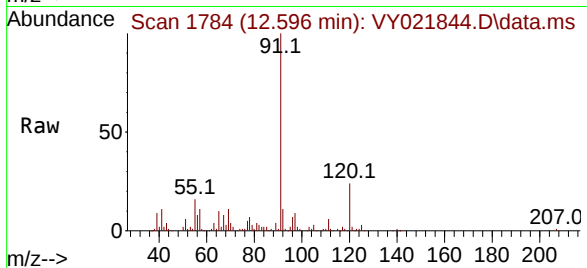
TP-6C-VOC

Tgt Ion: 91 Resp: 62002

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 4.366 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY021844.D

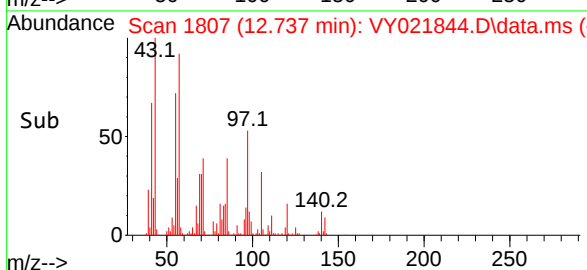
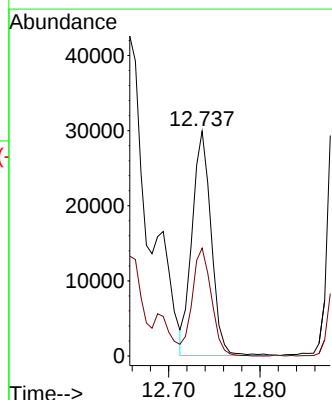
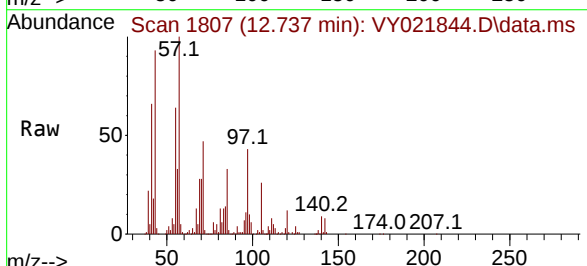
Acq: 10 Apr 2025 17:34

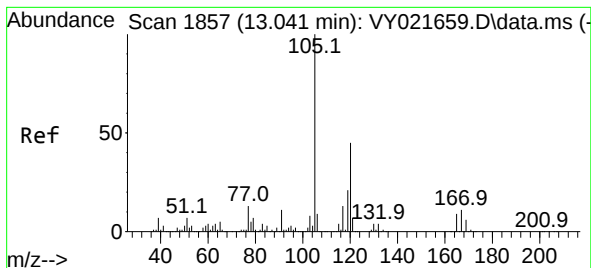
Tgt Ion: 105 Resp: 43277

Ion Ratio Lower Upper

105 100

120 48.4 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 10.269 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY021844.D

Acq: 10 Apr 2025 17:34

Instrument :

MSVOA_Y

ClientSampleId :

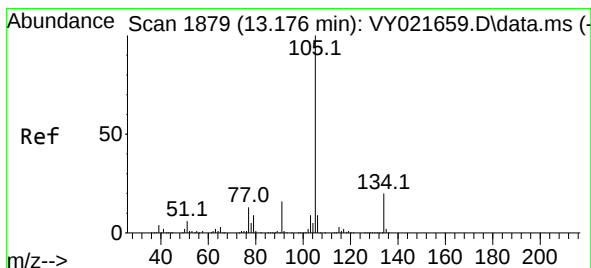
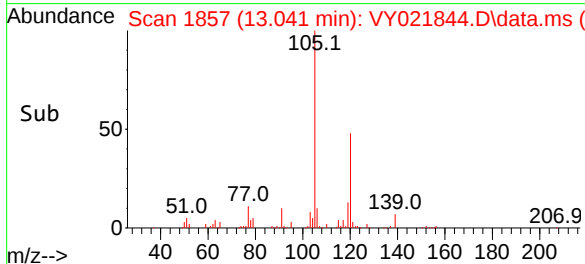
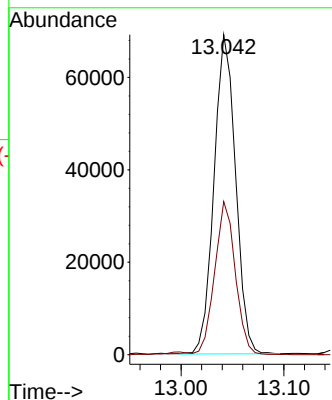
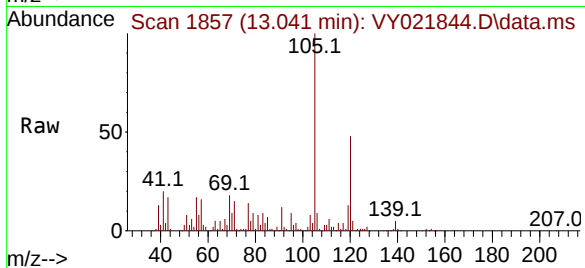
TP-6C-VOC

Tgt Ion:105 Resp: 100606

Ion Ratio Lower Upper

105 100

120 45.9 22.7 68.1



#85

sec-Butylbenzene

Concen: 7.086 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021844.D

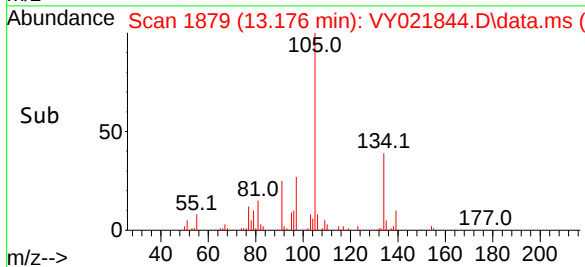
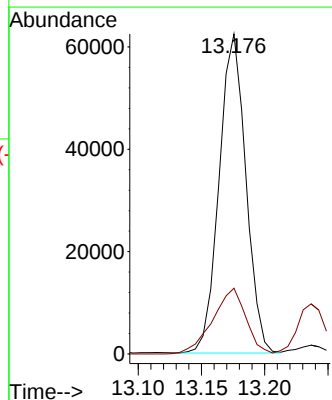
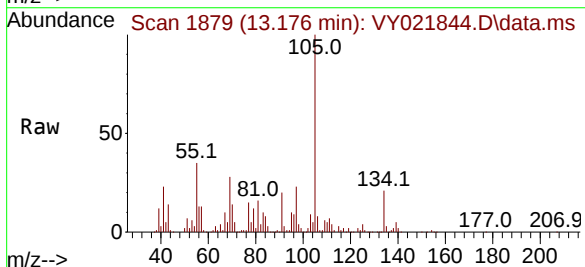
Acq: 10 Apr 2025 17:34

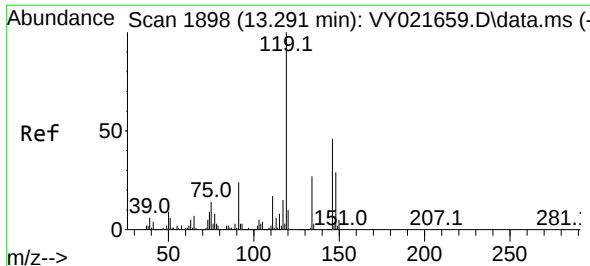
Tgt Ion:105 Resp: 91421

Ion Ratio Lower Upper

105 100

134 25.5 10.1 30.1

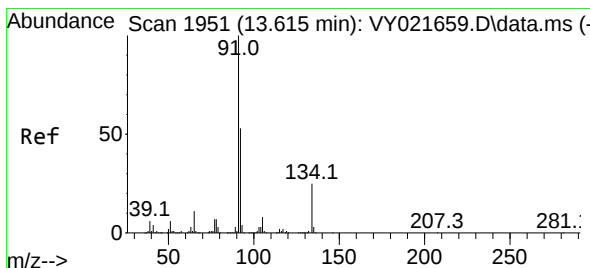
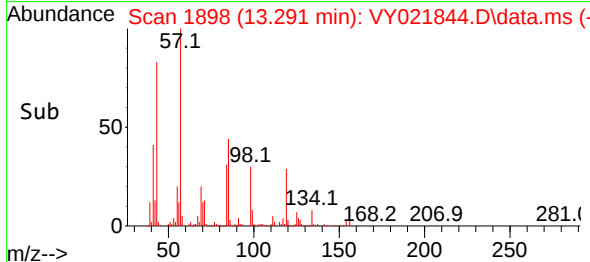
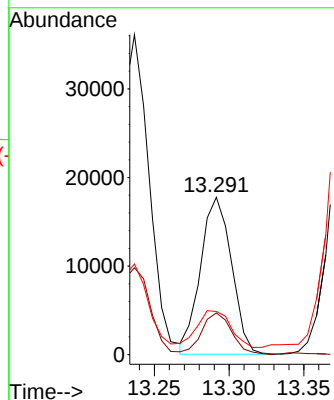
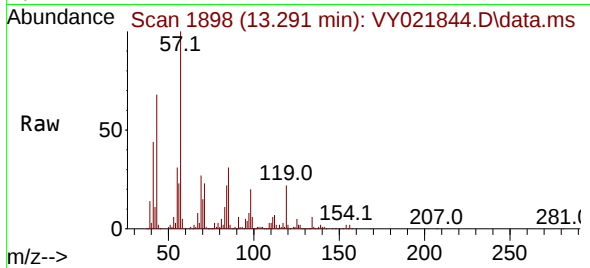




#86
p-Isopropyltoluene
Concen: 2.402 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

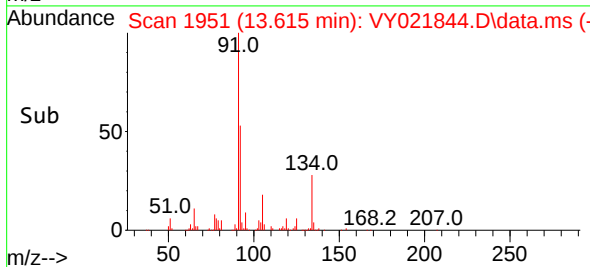
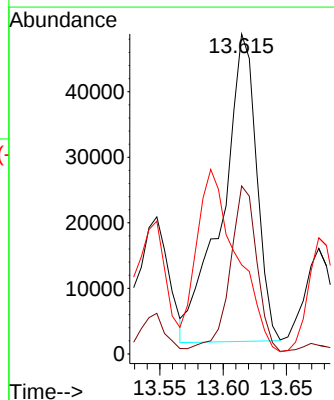
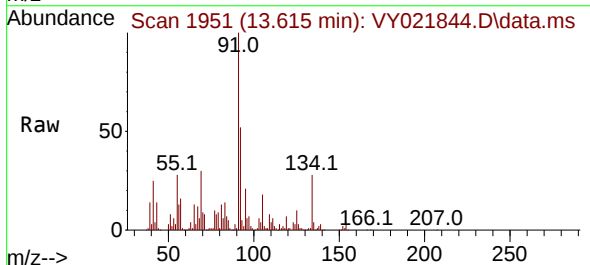
Instrument :
MSVOA_Y
ClientSampleId :
TP-6C-VOC

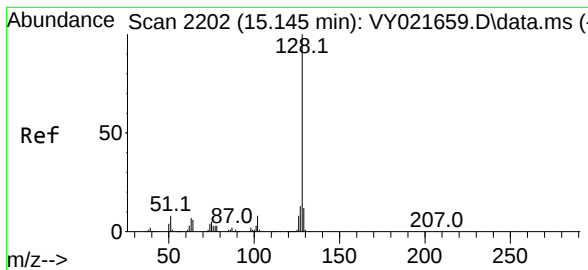
Tgt Ion:119 Resp: 25610
Ion Ratio Lower Upper
119 100
134 25.8 13.2 39.5
91 25.4 12.0 36.0



#89
n-Butylbenzene
Concen: 8.952 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

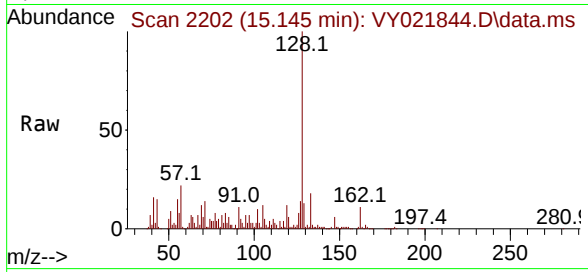
Tgt Ion: 91 Resp: 88287
Ion Ratio Lower Upper
91 100
92 42.7 26.4 79.2
134 0.0 12.8 38.4#





#95
Naphthalene
Concen: 36.271 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021844.D
Acq: 10 Apr 2025 17:34

Instrument :
MSVOA_Y
ClientSampleId :
TP-6C-VOC



Tgt Ion:	128	Resp:	162822
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.8	16.2
129	13.1	8.8	13.2

