

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007162.D
 Acq On : 14 Jan 2022 12:36
 Operator : SY/MD
 Sample : N1119-06
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EAST-AREA-EAST-SIDEWALL

Quant Time: Jan 14 14:38:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	58778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	99929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	74841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	23183	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	29516	40.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.860%
35) Dibromofluoromethane	7.716	113	30053	44.476	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.960%
50) Toluene-d8	10.179	98	117995	47.791	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.580%
62) 4-Bromofluorobenzene	12.477	95	34052	38.772	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.540%

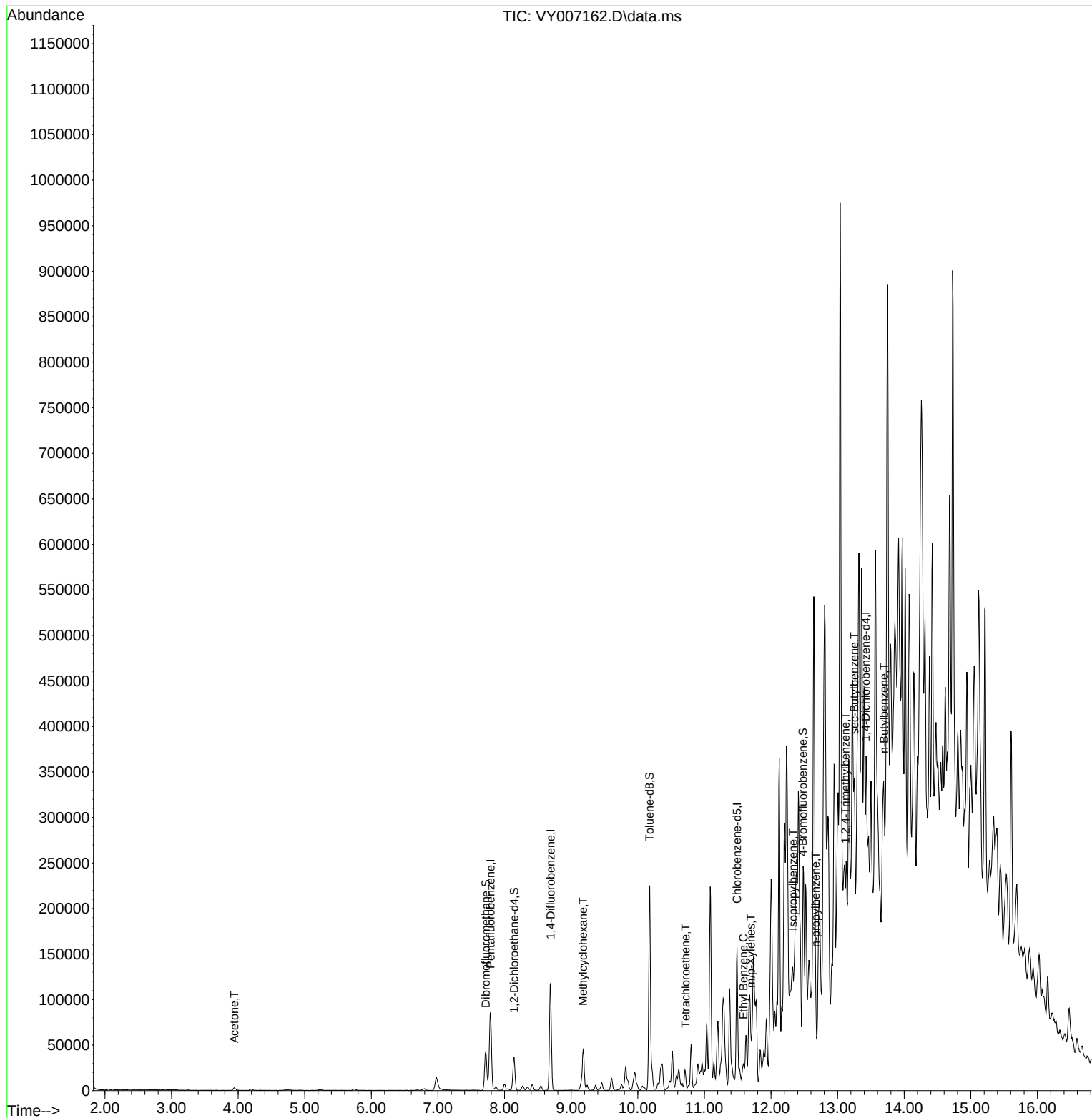
Target Compounds					Qvalue	
16) Acetone	3.942	43	5473	29.240	ug/l	# 85
39) Methylcyclohexane	9.179	83	19989	15.170	ug/l	97
64) Tetrachloroethene	10.715	164	817	1.514	ug/l	# 83
67) Ethyl Benzene	11.587	91	5644	1.835	ug/l	93
68) m/p-Xylenes	11.697	106	2182	1.909	ug/l	95
73) Isopropylbenzene	12.331	105	12024	6.005	ug/l	97
78) n-propylbenzene	12.672	91	29411	11.849	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	3166	1.943	ug/l	95
85) sec-Butylbenzene	13.251	105	39292	18.488	ug/l	85
89) n-Butylbenzene	13.697	91	37894	22.035	ug/l	# 80

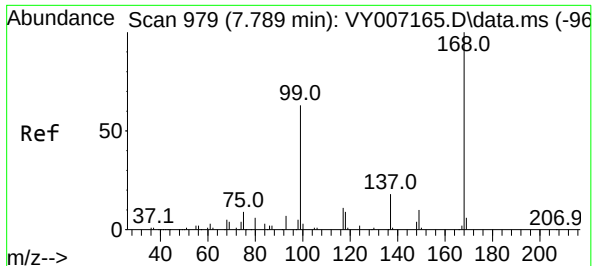
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

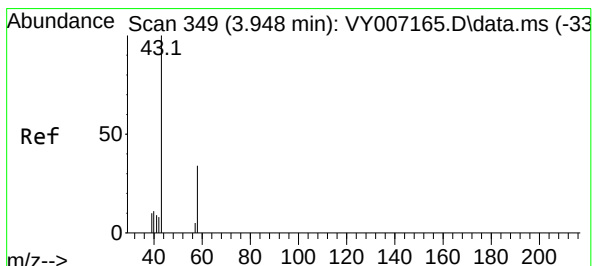
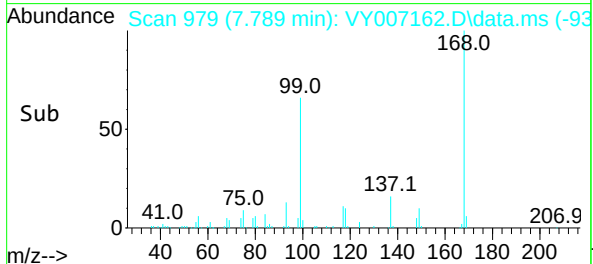
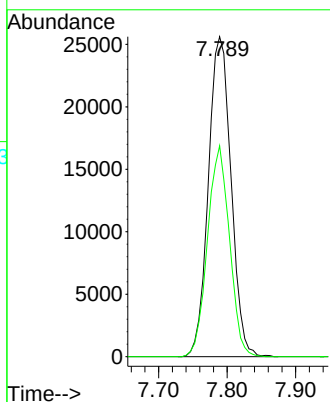
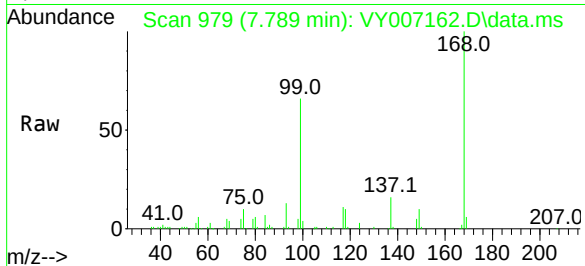




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

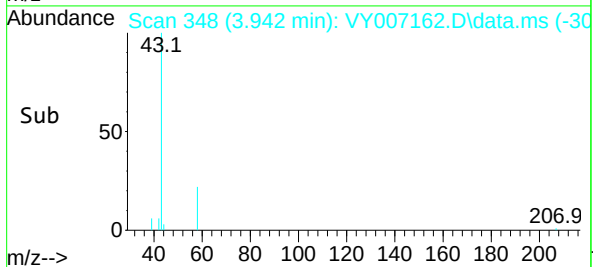
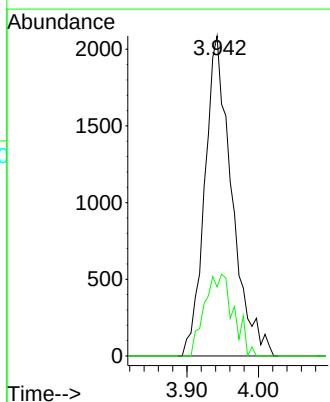
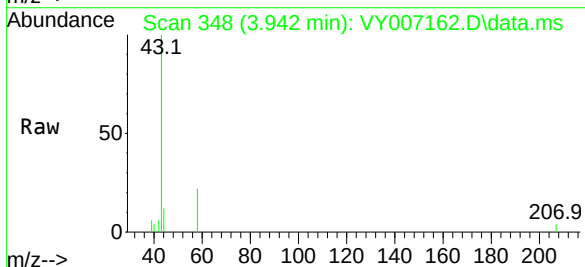
Instrument :
MSVOA_Y
ClientSampleId :
EAST-AREA-EAST-SIDEWALL

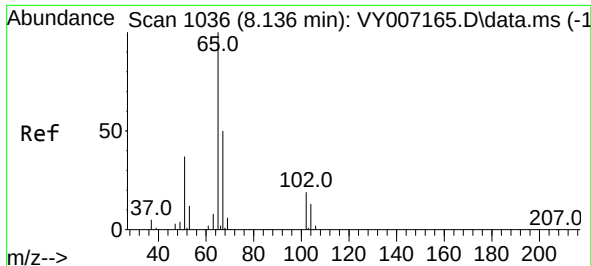
Tgt Ion:168 Resp: 58778
Ion Ratio Lower Upper
168 100
99 65.9 49.1 73.7



#16
Acetone
Concen: 29.240 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

Tgt Ion: 43 Resp: 5473
Ion Ratio Lower Upper
43 100
58 21.6 23.8 35.6#





#33

1,2-Dichloroethane-d4

Concen: 40.925 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007162.D

Acq: 14 Jan 2022 12:36

Instrument :

MSVOA_Y

ClientSampleId :

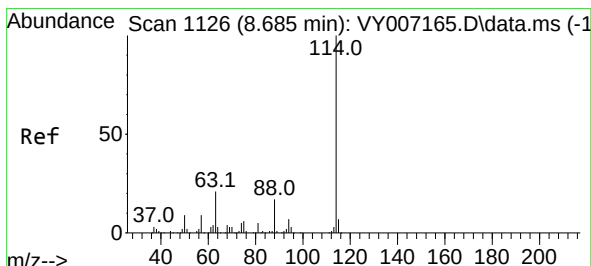
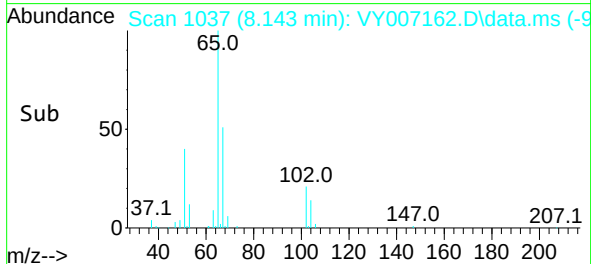
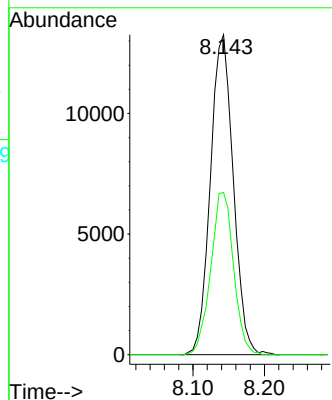
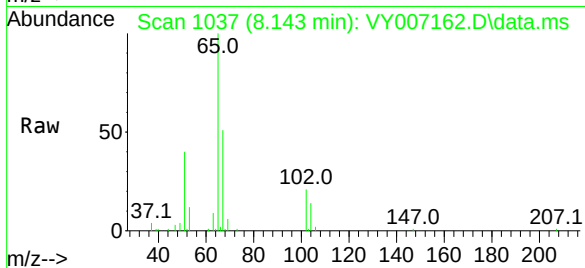
EAST-AREA-EAST-SIDEWALL

Tgt Ion: 65 Resp: 29516

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VY007162.D

Acq: 14 Jan 2022 12:36

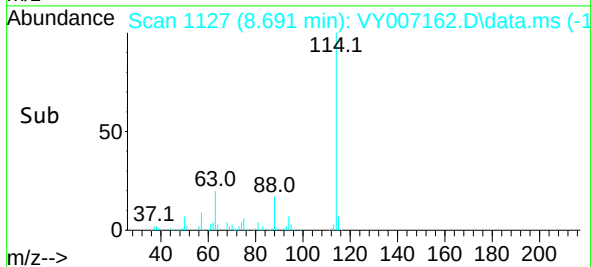
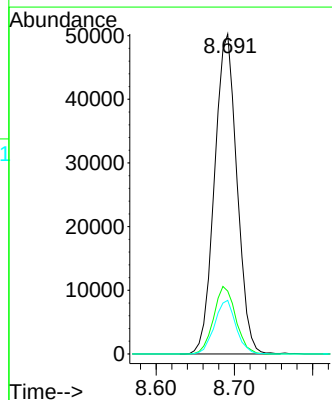
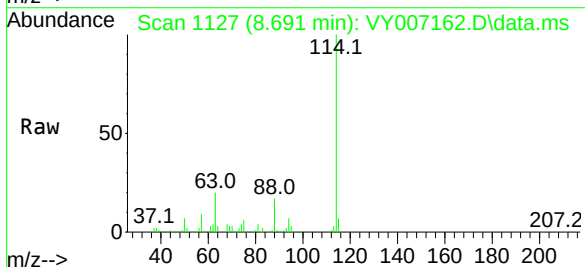
Tgt Ion: 114 Resp: 99929

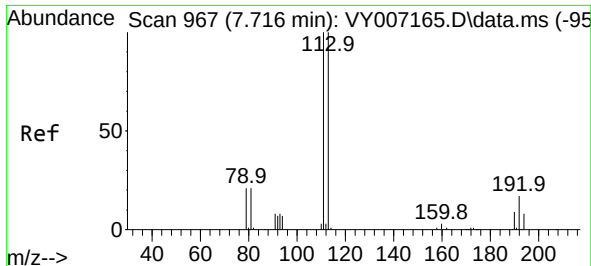
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 16.7 0.0 31.0

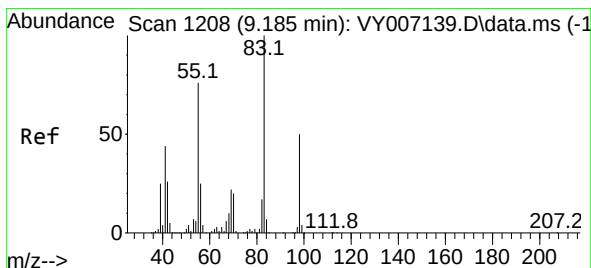
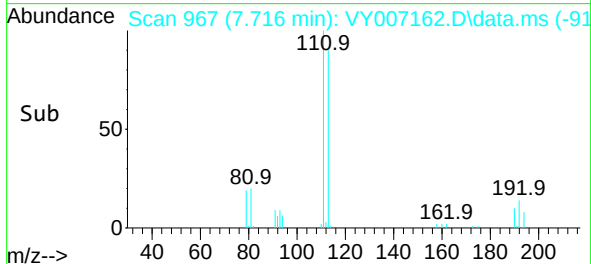
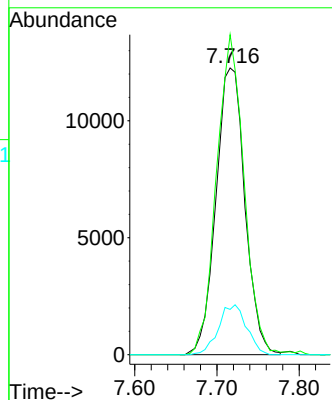
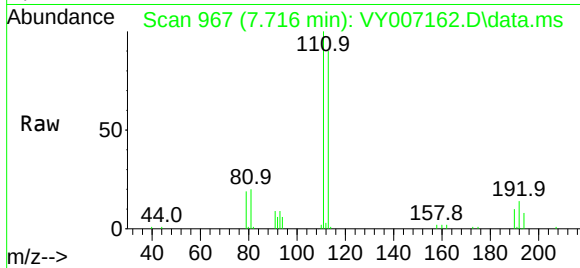




#35
Dibromofluoromethane
Concen: 44.476 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.001 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

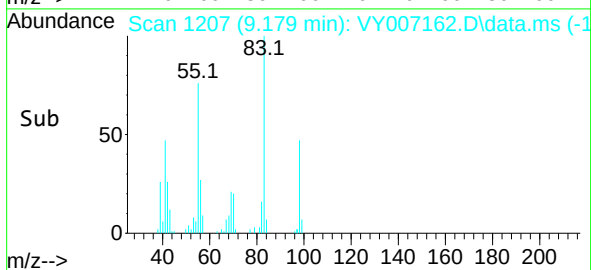
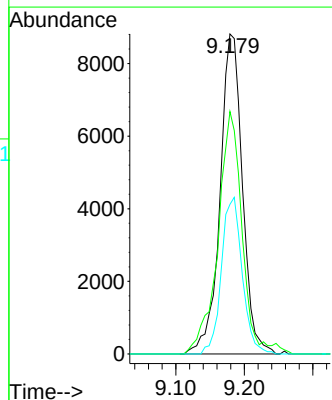
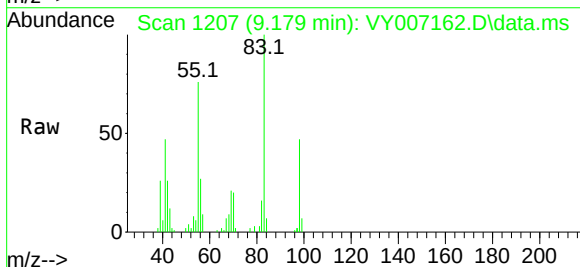
Instrument :
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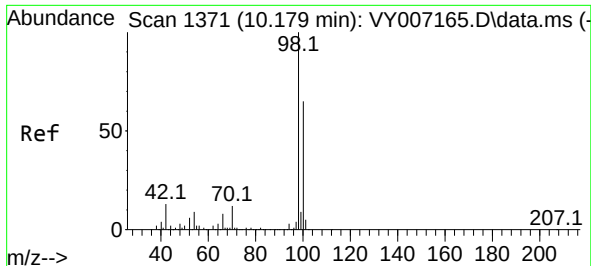
Tgt Ion:113 Resp: 30053
Ion Ratio Lower Upper
113 100
111 105.6 82.2 123.4
192 16.9 14.2 21.4



#39
Methylcyclohexane
Concen: 15.170 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

Tgt Ion: 83 Resp: 19989
Ion Ratio Lower Upper
83 100
55 75.7 58.8 88.2
98 46.7 38.7 58.1

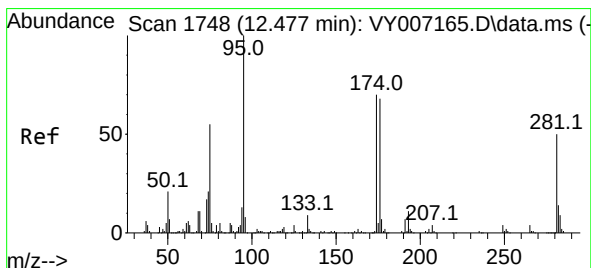
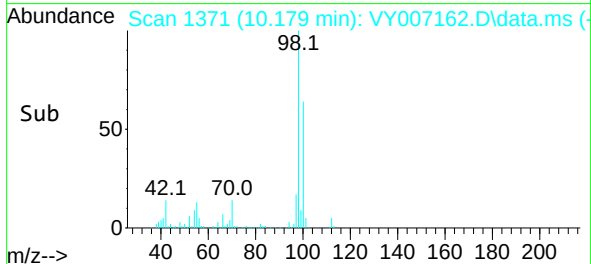
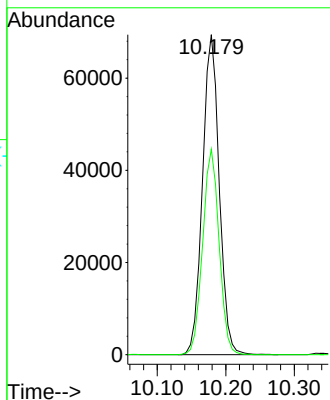
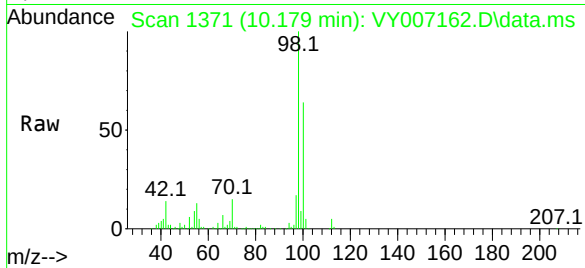




#50
Toluene-d8
Concen: 47.791 ug/l
RT: 10.179 min Scan# 117995
Delta R.T. 0.001 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

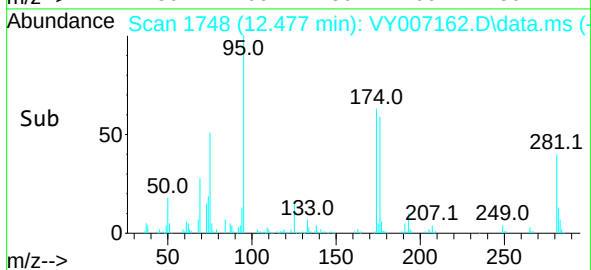
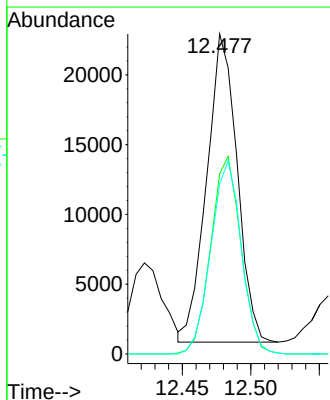
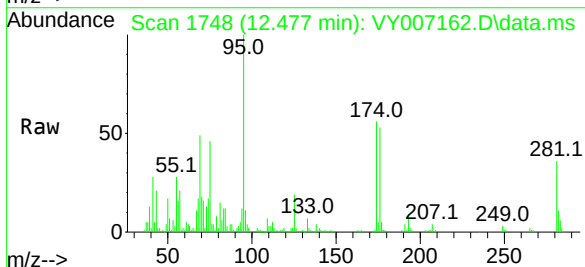
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MSVOA_Y
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EAST-AREA-EAST-SIDEWALL

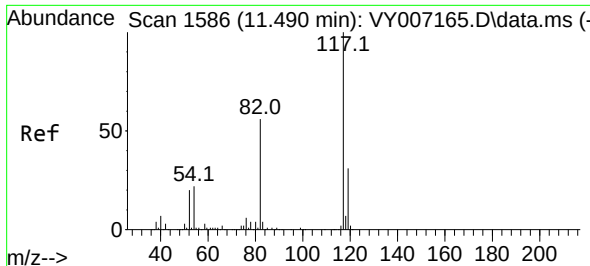
Tgt Ion: 98 Resp: 117995
Ion Ratio Lower Upper
98 100
100 63.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.772 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

Tgt Ion: 95 Resp: 34052
Ion Ratio Lower Upper
95 100
174 63.8 0.0 148.4
176 62.6 0.0 146.6

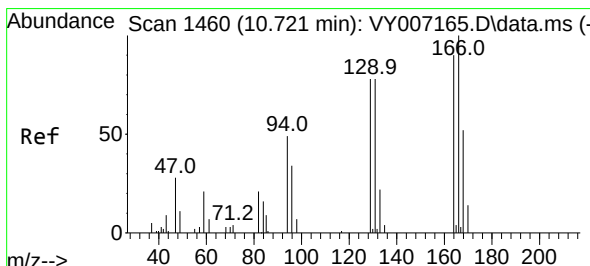
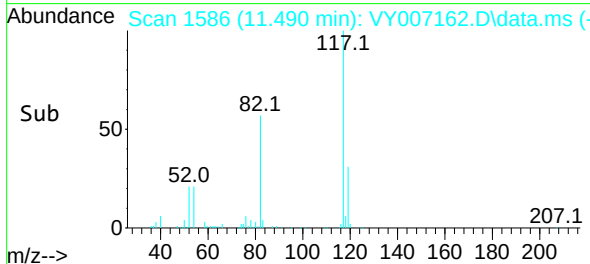
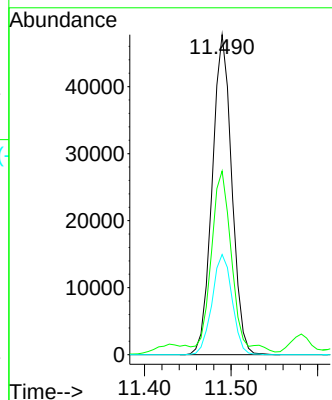
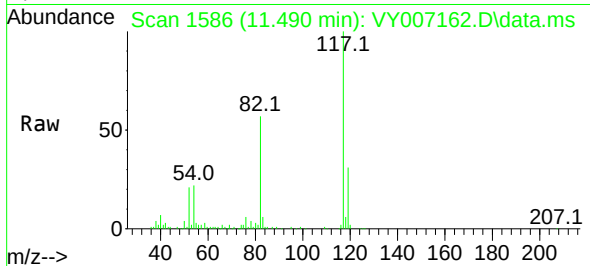




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

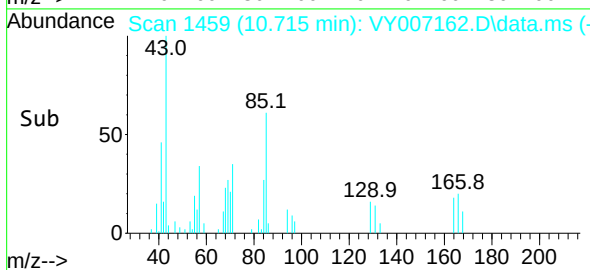
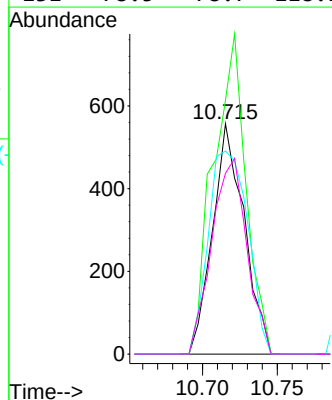
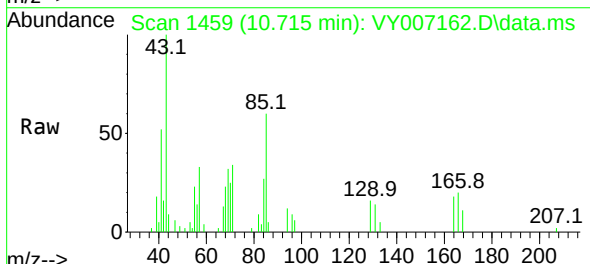
Instrument :
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ClientSampleId :
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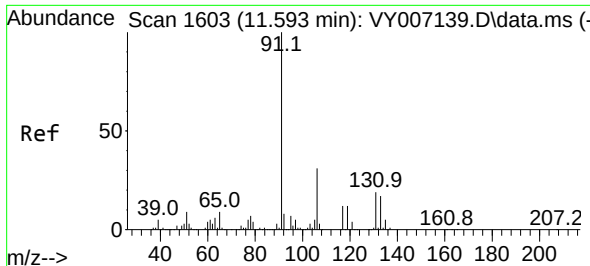
Tgt Ion:117 Resp: 74841
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 31.3 26.4 39.6



#64
Tetrachloroethene
Concen: 1.514 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

Tgt Ion:164 Resp: 817
Ion Ratio Lower Upper
164 100
166 110.2 102.6 154.0
129 88.2 84.6 127.0
131 78.5 78.7 118.1#

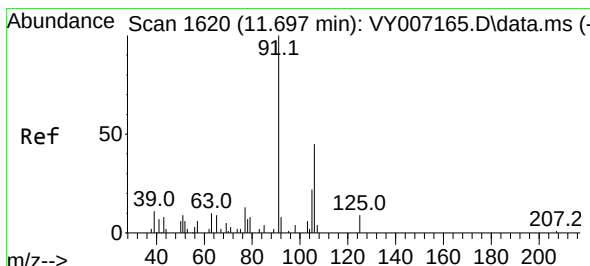
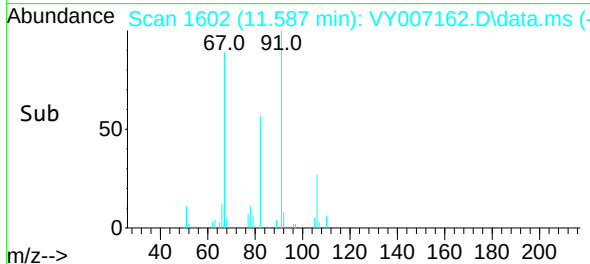
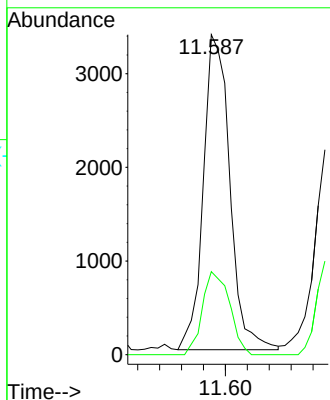
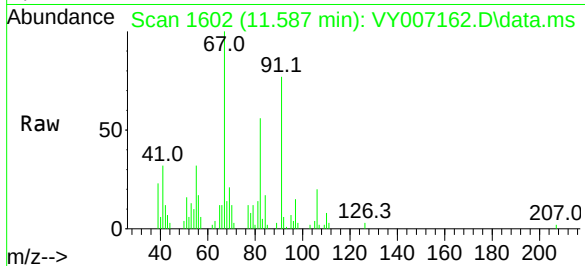




#67
Ethyl Benzene
Concen: 1.835 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

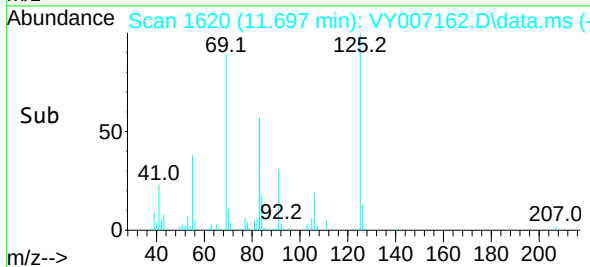
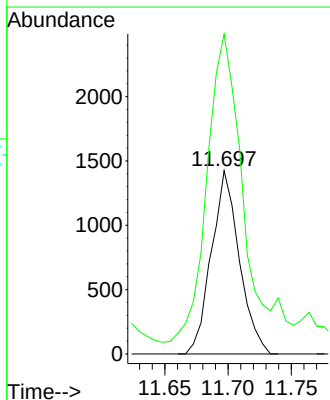
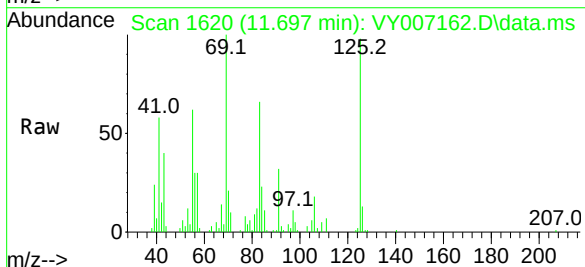
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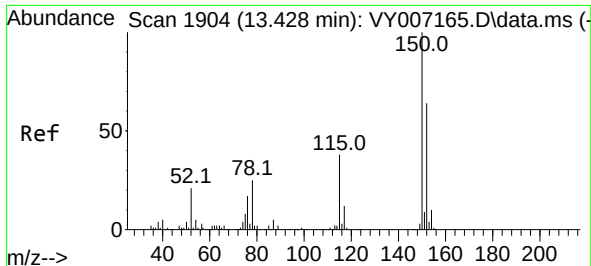
Tgt Ion: 91 Resp: 5644
Ion Ratio Lower Upper
91 100
106 26.4 23.9 35.9



#68
m/p-Xylenes
Concen: 1.909 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

Tgt Ion: 106 Resp: 2182
Ion Ratio Lower Upper
106 100
91 217.4 167.1 250.7

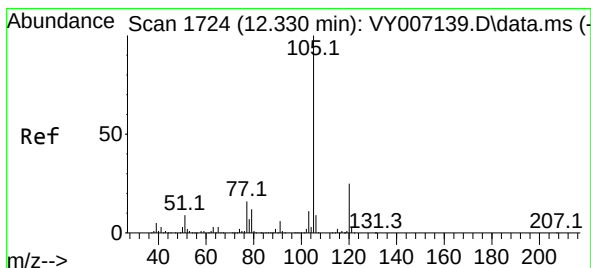
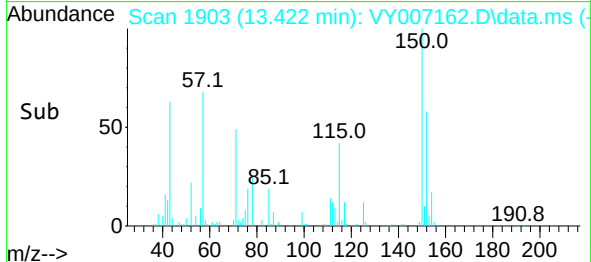
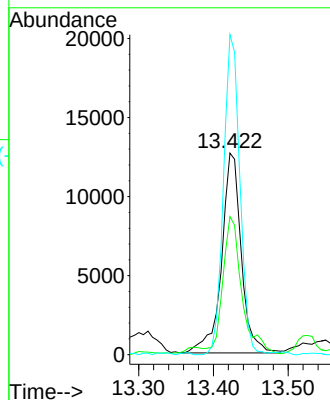
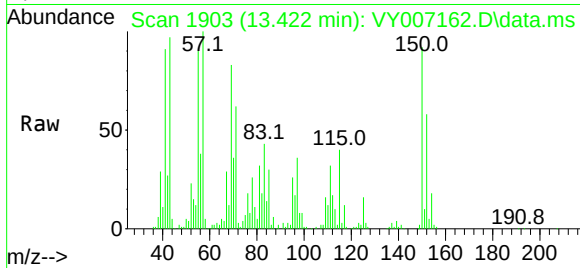




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

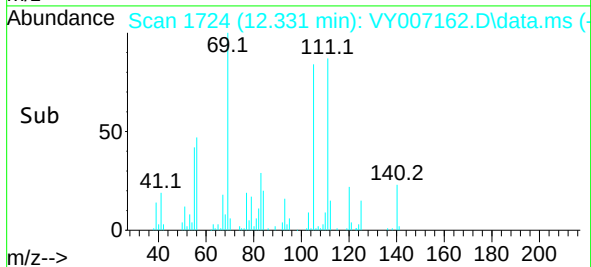
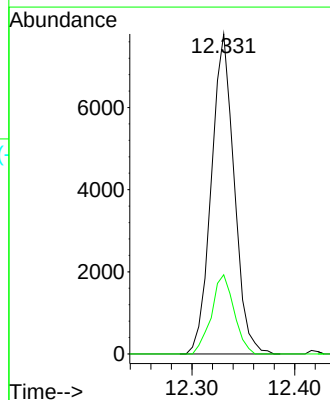
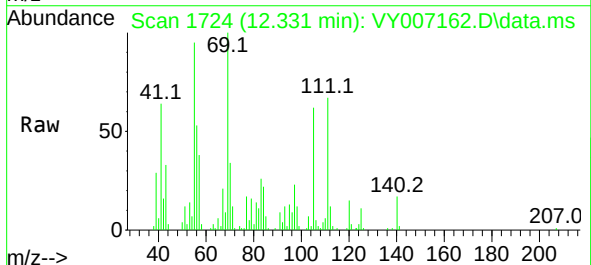
Instrument :
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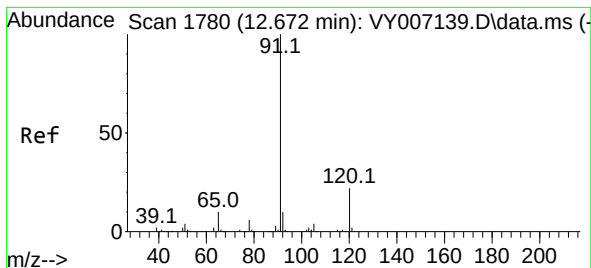
Tgt Ion:152 Resp: 23183
Ion Ratio Lower Upper
152 100
115 66.2 31.4 94.0
150 133.1 0.0 348.4



#73
Isopropylbenzene
Concen: 6.005 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY007162.D
Acq: 14 Jan 2022 12:36

Tgt Ion:105 Resp: 12024
Ion Ratio Lower Upper
105 100
120 24.4 13.1 39.1





#78

n-propylbenzene

Concen: 11.849 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.001 min

Lab File: VY007162.D

Acq: 14 Jan 2022 12:36

Instrument :

MSVOA_Y

ClientSampleId :

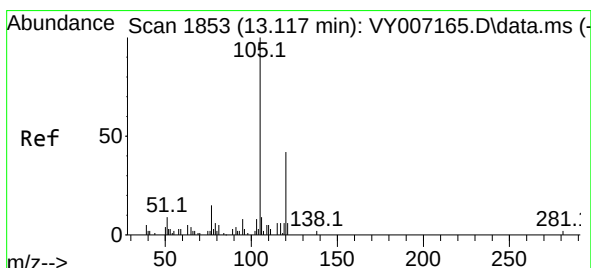
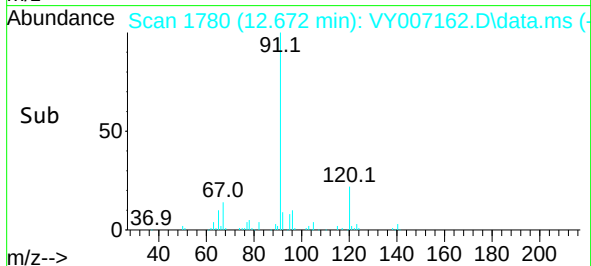
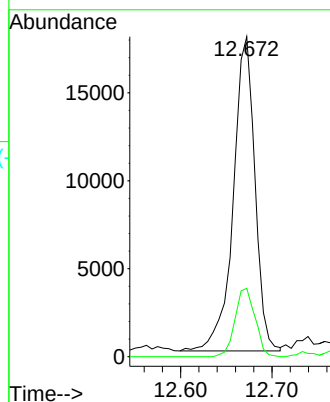
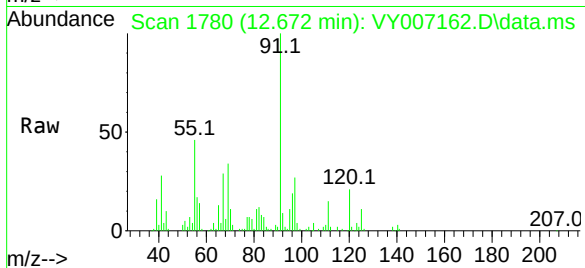
EAST-AREA-EAST-SIDEWALL

Tgt Ion: 91 Resp: 29411

Ion Ratio Lower Upper

91 100

120 20.2 11.2 33.5



#84

1,2,4-Trimethylbenzene

Concen: 1.943 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY007162.D

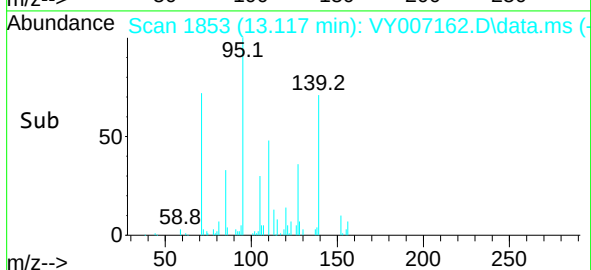
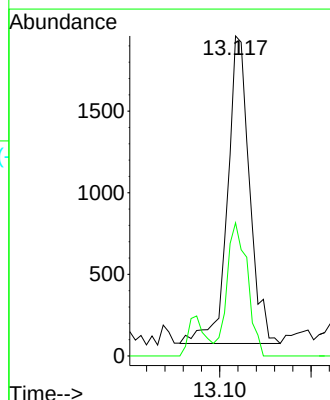
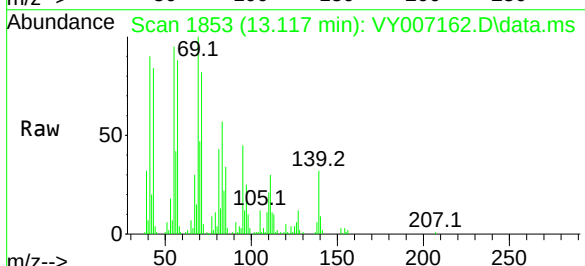
Acq: 14 Jan 2022 12:36

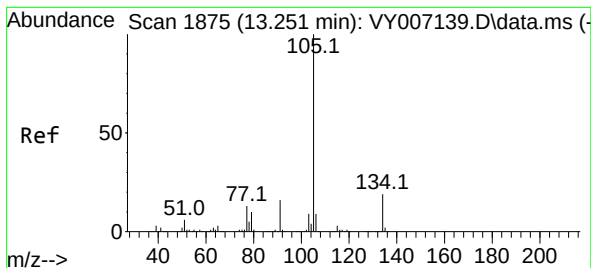
Tgt Ion: 105 Resp: 3166

Ion Ratio Lower Upper

105 100

120 40.1 21.6 64.6





#85

sec-Butylbenzene

Concen: 18.488 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.001 min

Lab File: VY007162.D

Acq: 14 Jan 2022 12:36

Instrument :

MSVOA_Y

ClientSampleId :

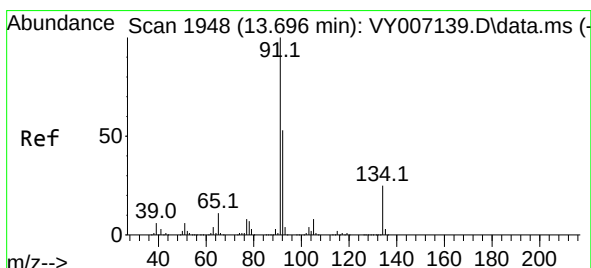
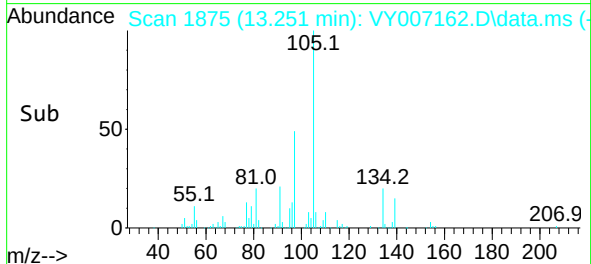
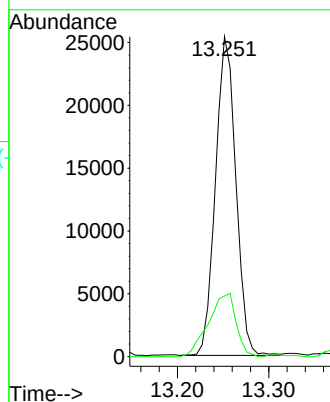
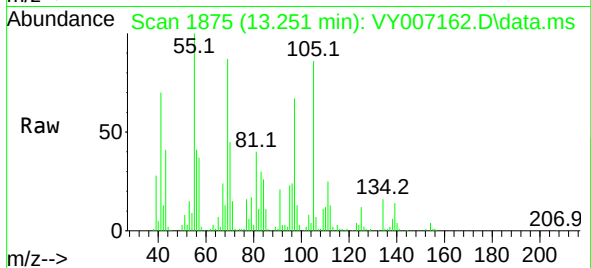
EAST-AREA-EAST-SIDEWALL

Tgt Ion:105 Resp: 39292

Ion Ratio Lower Upper

105 100

134 26.9 9.9 29.7



#89

n-Butylbenzene

Concen: 22.035 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.001 min

Lab File: VY007162.D

Acq: 14 Jan 2022 12:36

Tgt Ion: 91 Resp: 37894

Ion Ratio Lower Upper

91 100

92 46.6 26.9 80.6

134 45.7 12.6 37.6#

