

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100824\
 Data File : VY019823.D
 Acq On : 08 Oct 2024 15:22
 Operator : SY/MD
 Sample : P4340-03
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1B-7-VOC

Quant Time: Oct 09 05:48:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	220544	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	428253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	124315	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141814	69.442	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.880%
35) Dibromofluoromethane	7.634	113	139148	57.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.620%
50) Toluene-d8	10.103	98	519639	57.860	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.720%
62) 4-Bromofluorobenzene	12.402	95	156272	45.253	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	90.500%

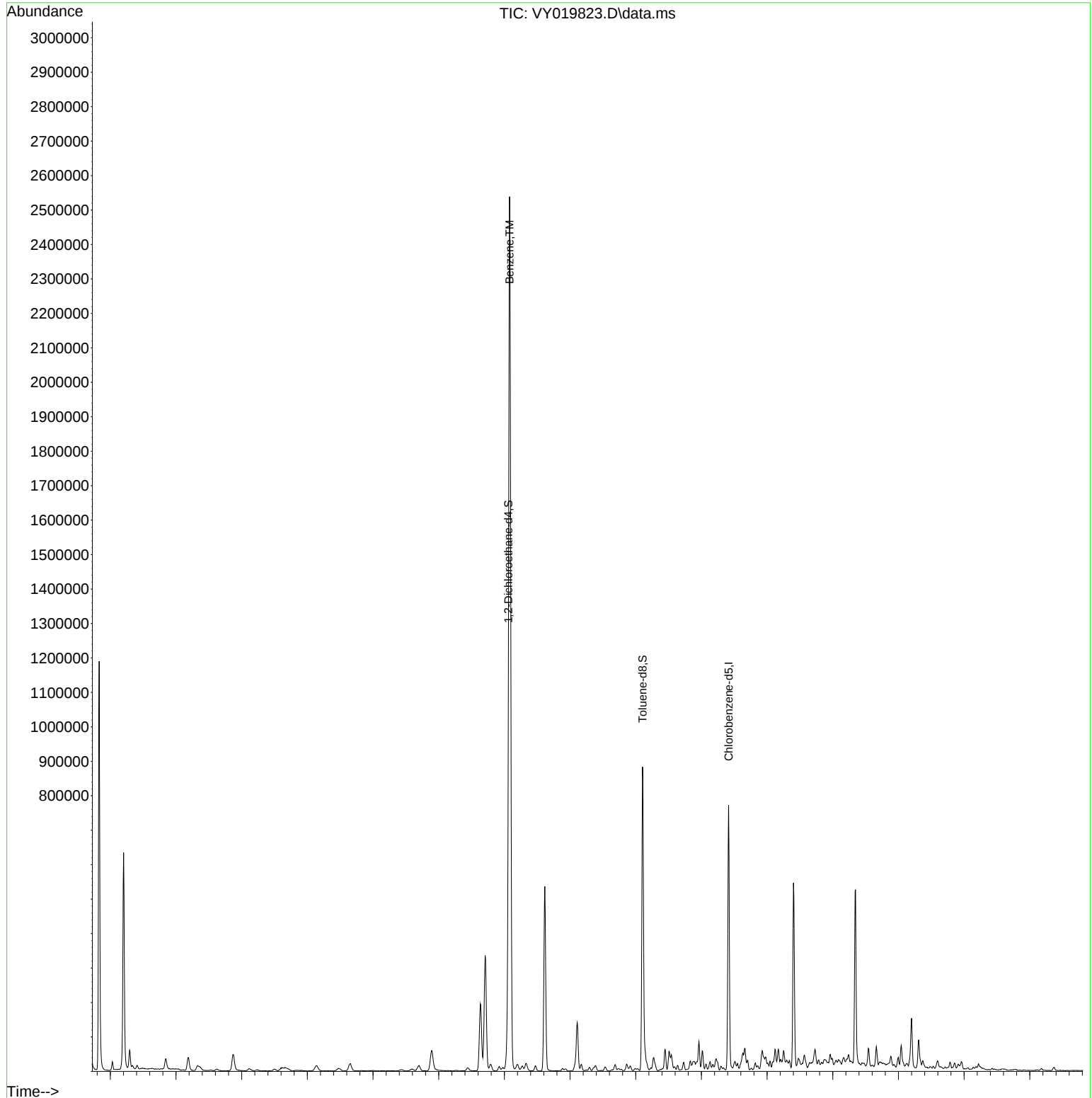
Target Compounds						Qvalue
16) Acetone	3.873	43	84484	173.649	ug/l	# 83
17) Carbon Disulfide	4.110	76	9788	1.851	ug/l	# 95
31) Cyclohexane	7.701	56	24123	6.600	ug/l	# 83
39) Methylcyclohexane	9.110	83	54791	12.461	ug/l	# 89
40) Benzene	8.079	78	2435468	239.325	ug/l	100
52) Toluene	10.164	92	6736	1.029	ug/l	99
68) m/p-Xylenes	11.627	106	11718	2.363	ug/l	85
73) Isopropylbenzene	12.249	105	23695	2.627	ug/l	99
83) tert-Butylbenzene	12.993	119	6638	1.000	ug/l	83
95) Naphthalene	15.145	128	5390	1.276	ug/l	98

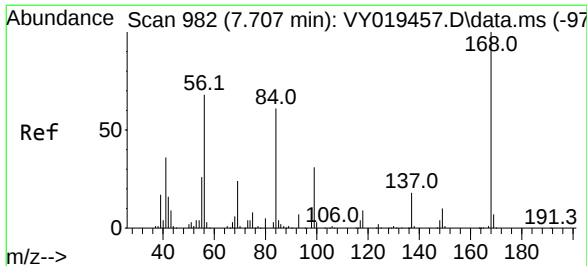
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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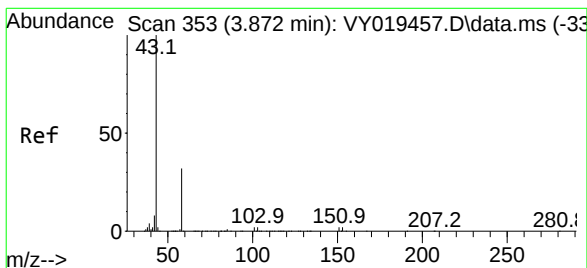
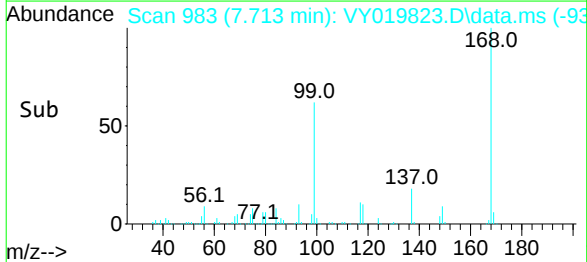
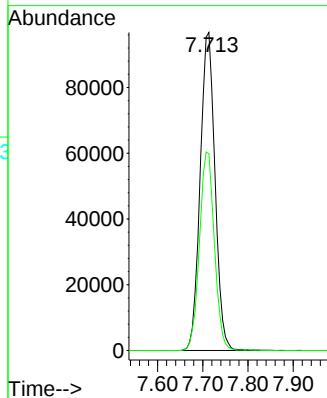
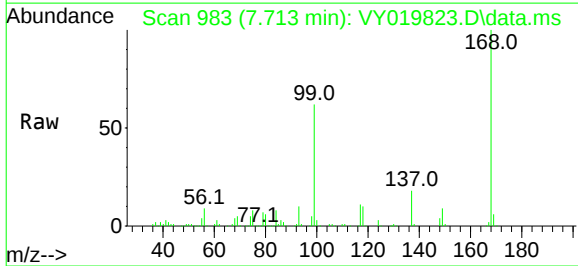




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

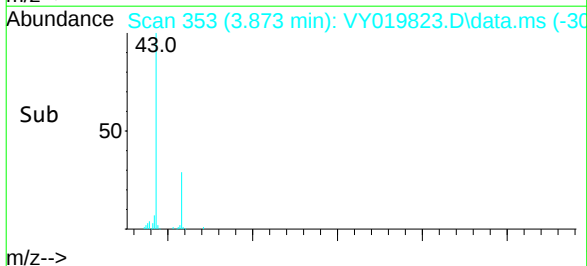
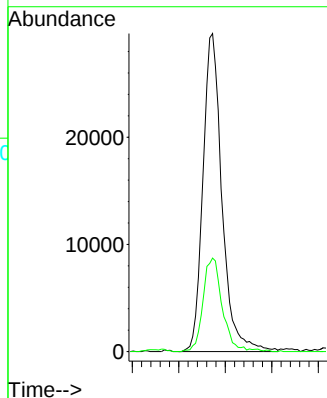
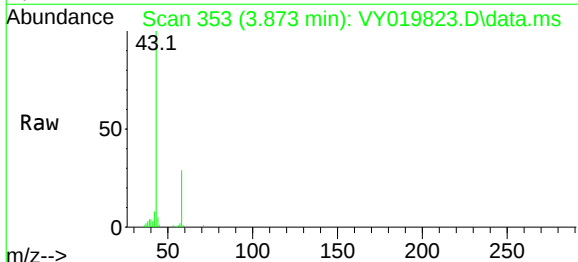
Instrument :
MSVOA_Y
ClientSampleId :
1B-7-VOC

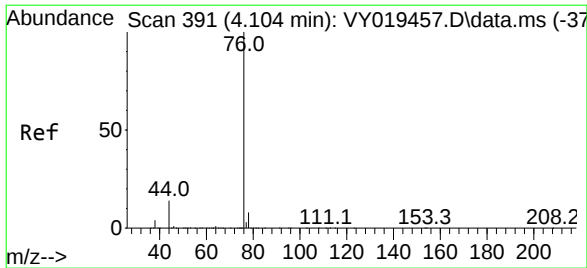
Tgt Ion:168 Resp: 220544
Ion Ratio Lower Upper
168 100
99 61.9 39.1 58.7#



#16
Acetone
Concen: 173.649 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 43 Resp: 84484
Ion Ratio Lower Upper
43 100
58 29.4 31.7 47.5#

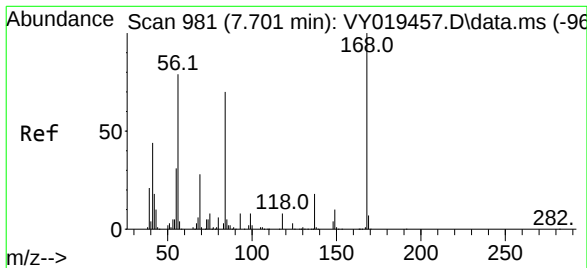
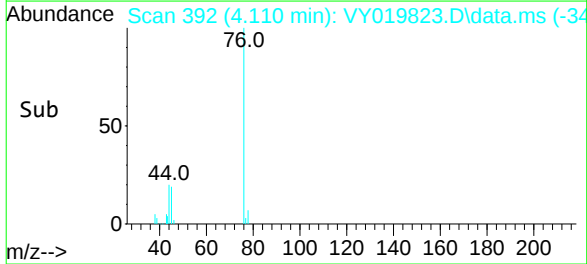
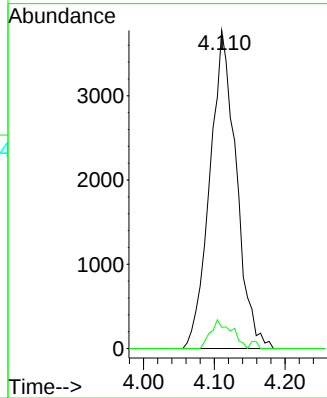
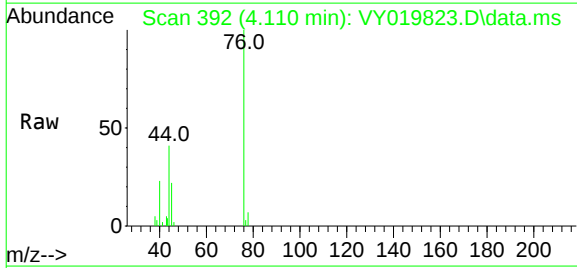




#17
Carbon Disulfide
Concen: 1.851 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.007 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

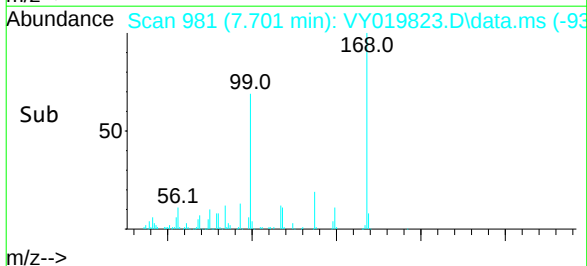
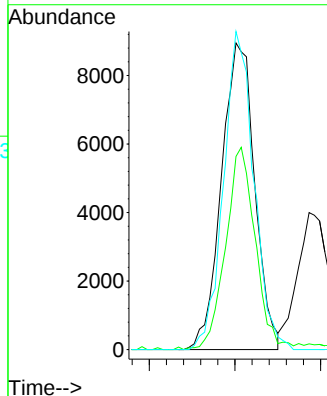
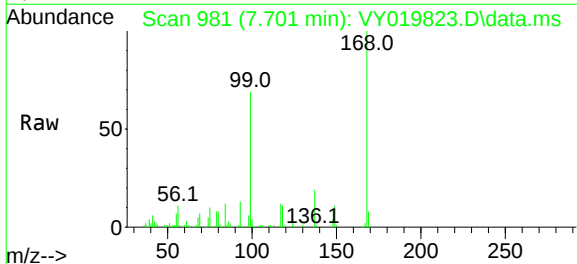
Instrument :
MSVOA_Y
ClientSampleId :
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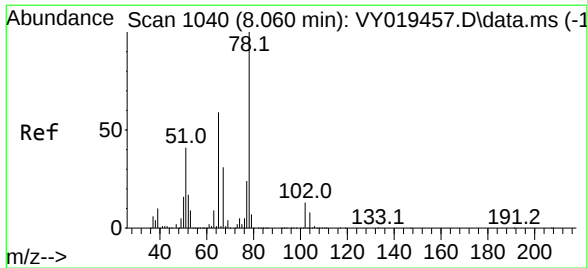
Tgt Ion: 76 Resp: 9788
Ion Ratio Lower Upper
76 100
78 6.7 6.8 10.2#



#31
Cyclohexane
Concen: 6.600 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 56 Resp: 24123
Ion Ratio Lower Upper
56 100
69 62.2 28.7 43.1#
84 103.7 77.7 116.5

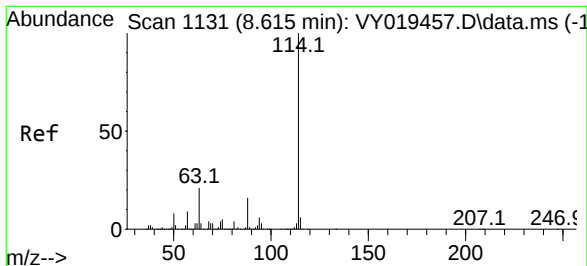
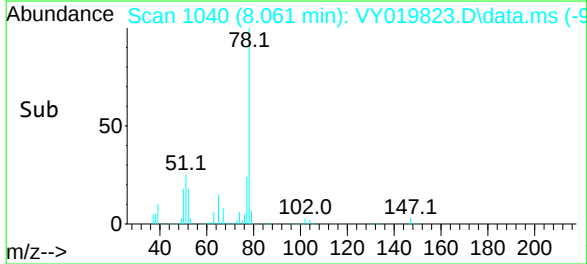
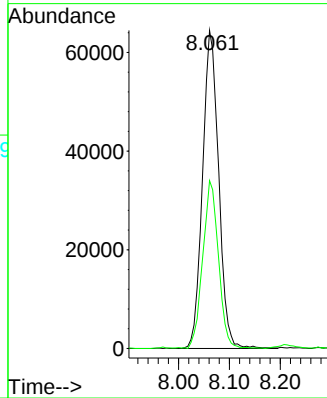
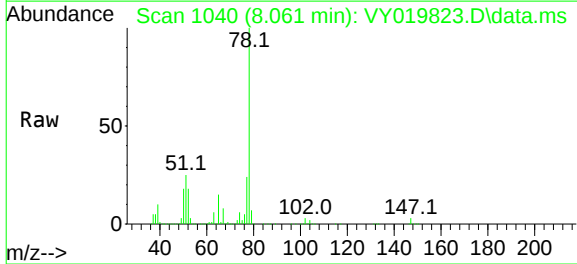




#33
1,2-Dichloroethane-d4
Concen: 69.442 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

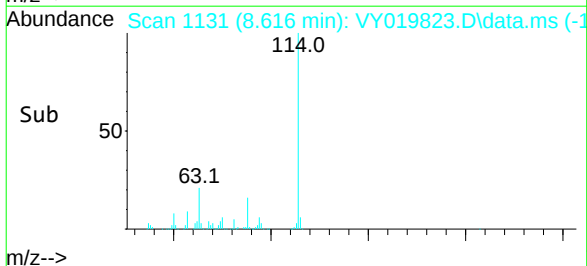
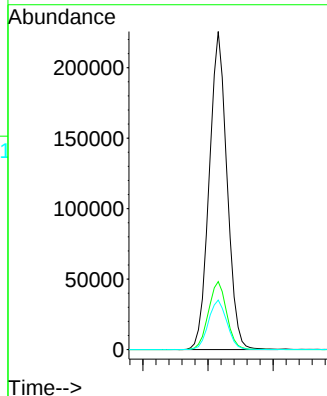
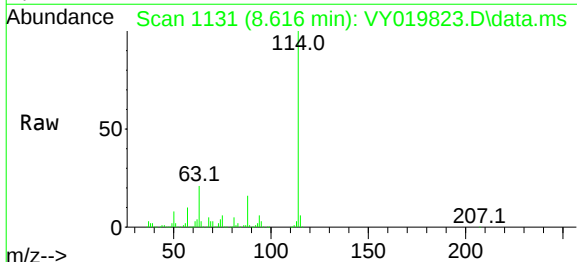
Instrument :
MSVOA_Y
ClientSampleId :
1B-7-VOC

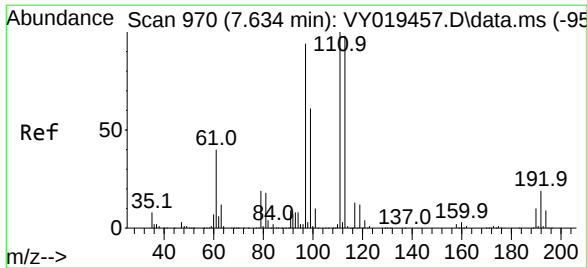
Tgt Ion: 65 Resp: 141814
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 114 Resp: 428253
Ion Ratio Lower Upper
114 100
63 21.4 0.0 35.0
88 15.6 0.0 27.2

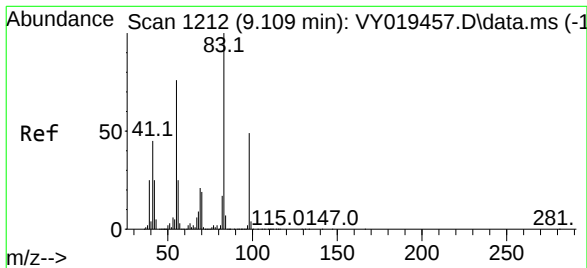
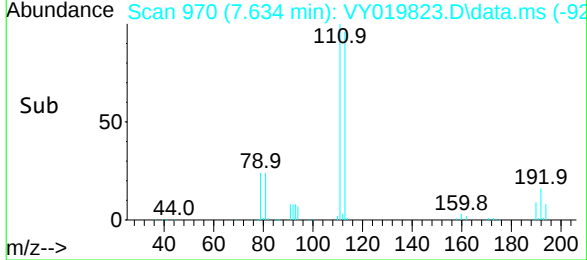
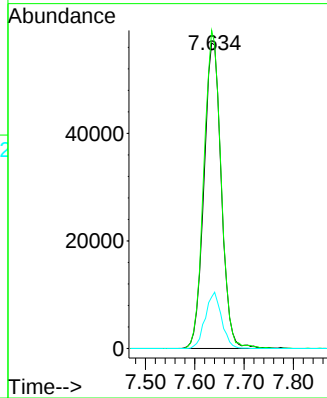
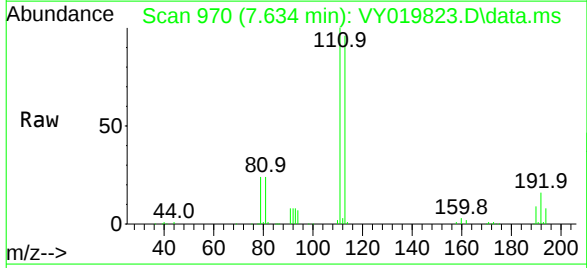




#35
Dibromofluoromethane
Concen: 57.307 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

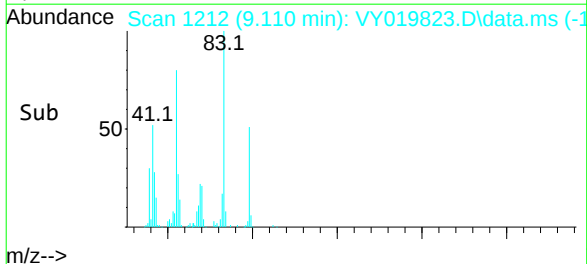
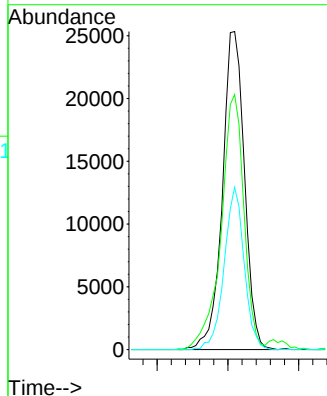
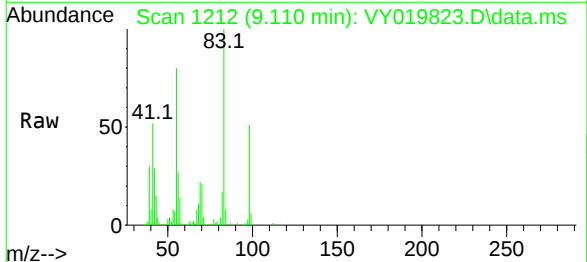
Instrument :
MSVOA_Y
ClientSampleId :
1B-7-VOC

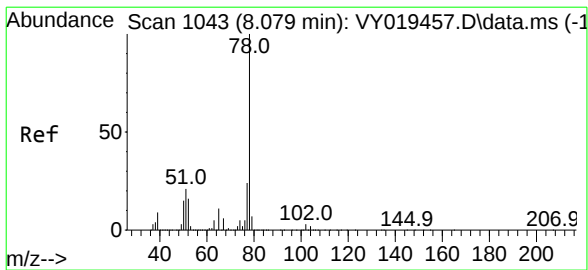
Tgt Ion:113 Resp: 139148
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 17.3 15.9 23.9



#39
Methylcyclohexane
Concen: 12.461 ug/l
RT: 9.110 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 83 Resp: 54791
Ion Ratio Lower Upper
83 100
55 79.9 51.5 77.3#
98 51.0 40.5 60.7

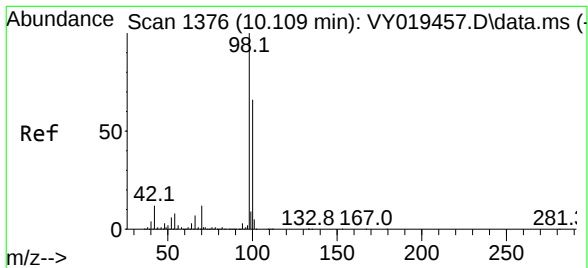
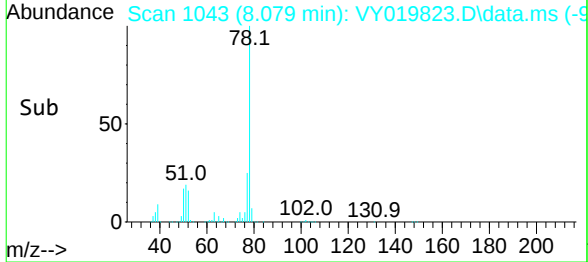
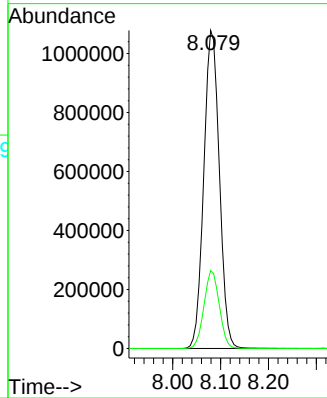
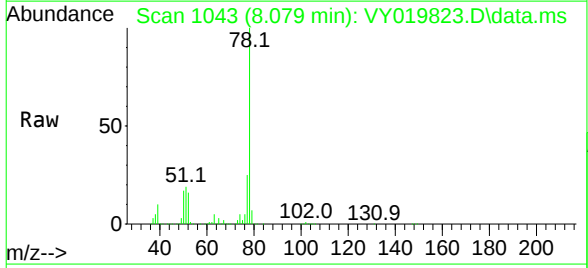




#40
Benzene
Concen: 239.325 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

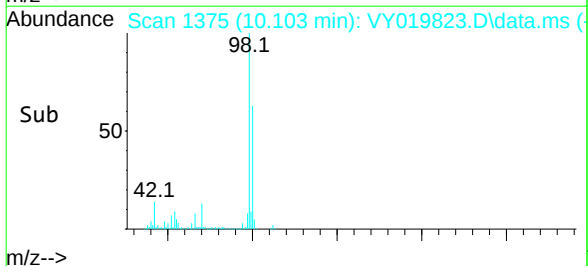
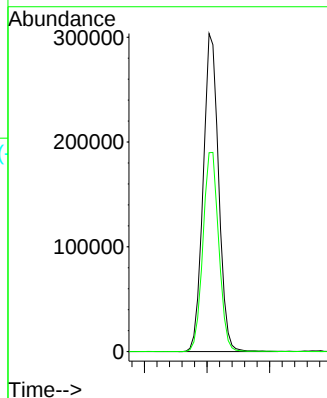
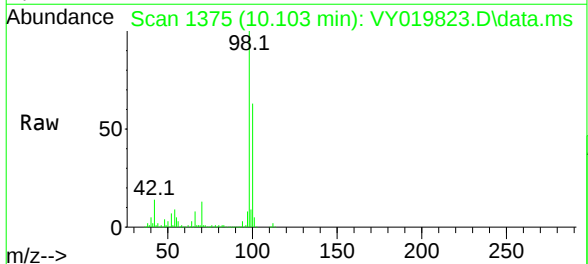
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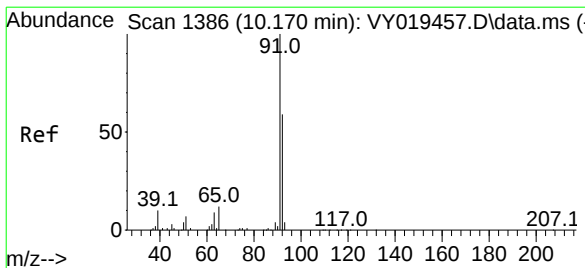
Tgt Ion: 78 Resp: 2435468
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3



#50
Toluene-d8
Concen: 57.860 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019823.D
Acq: 08 Oct 2024 15:22

Tgt Ion: 98 Resp: 519639
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#52

Toluene

Concen: 1.029 ug/l

RT: 10.164 min Scan# 13

Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

ClientSampleId :

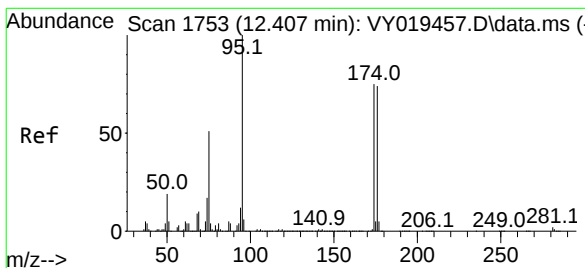
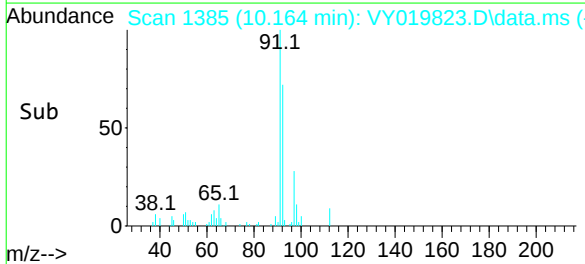
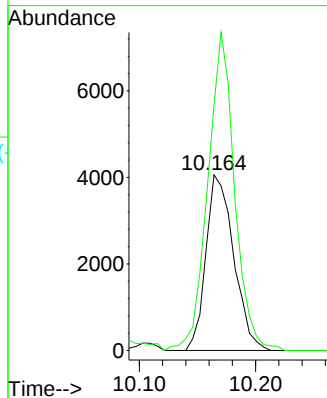
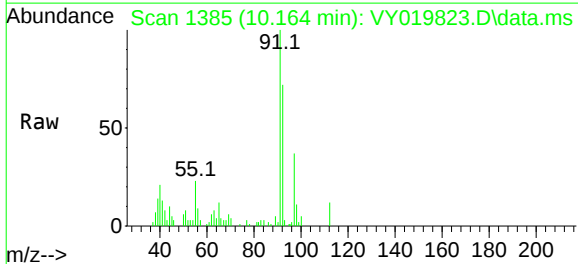
1B-7-VOC

Tgt Ion: 92 Resp: 6736

Ion Ratio Lower Upper

92 100

91 174.9 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 45.253 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

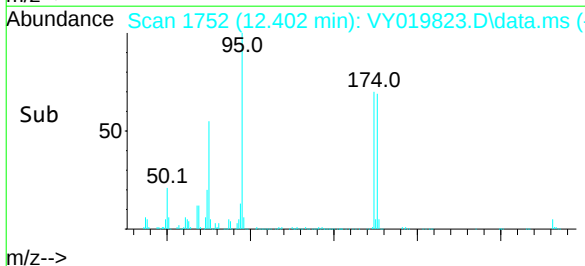
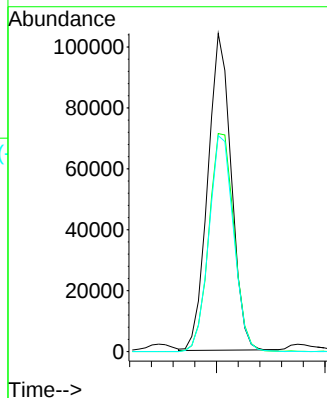
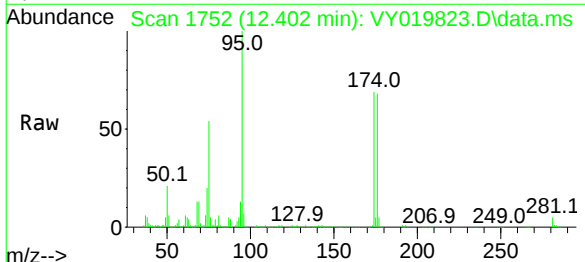
Tgt Ion: 95 Resp: 156272

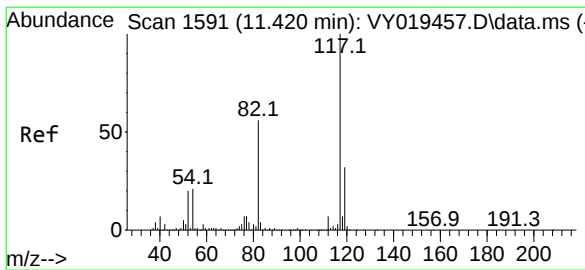
Ion Ratio Lower Upper

95 100

174 73.9 0.0 175.6

176 71.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

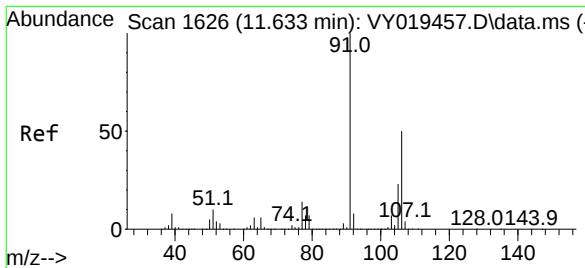
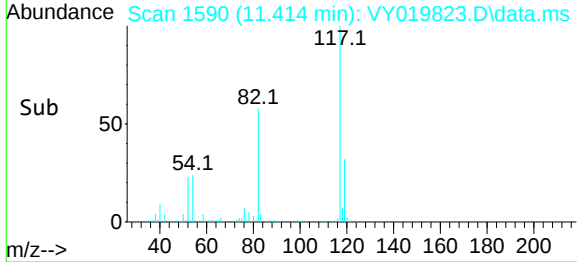
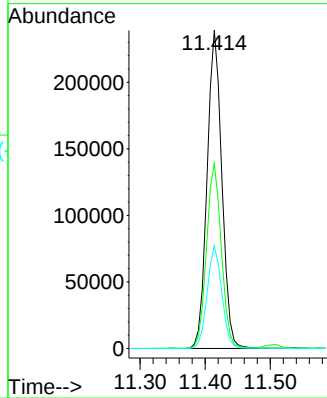
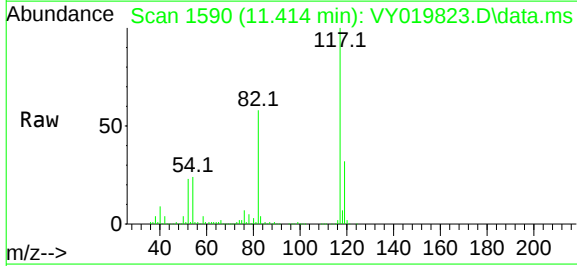
Instrument :

MSVOA_Y

ClientSampleId :

1B-7-VOC

Tgt Ion:	117	Resp:	375290
Ion	Ratio	Lower	Upper
117	100		
82	58.0	42.4	63.6
119	32.3	25.9	38.9



#68

m/p-Xylenes

Concen: 2.363 ug/l

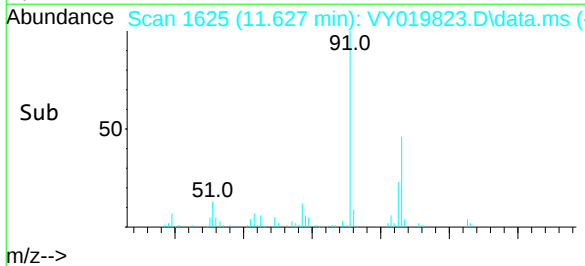
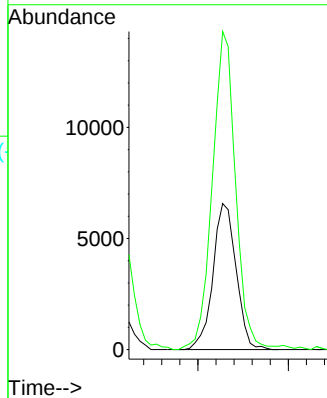
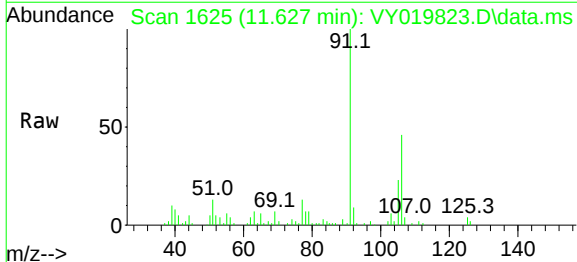
RT: 11.627 min Scan# 1625

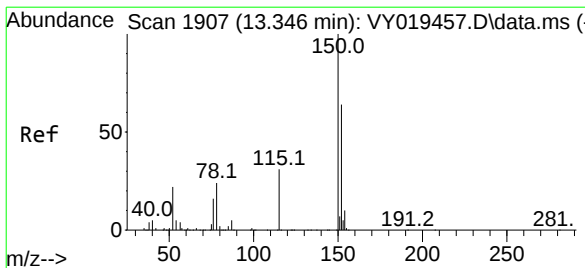
Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Tgt Ion:	106	Resp:	11718
Ion	Ratio	Lower	Upper
106	100		
91	217.4	156.0	234.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

ClientSampleId :

1B-7-VOC

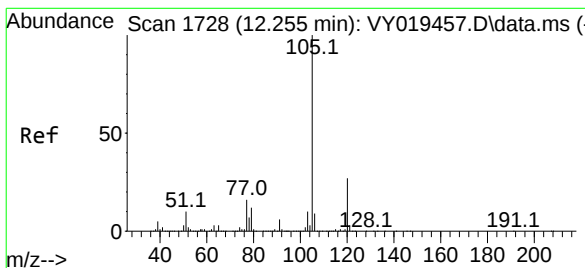
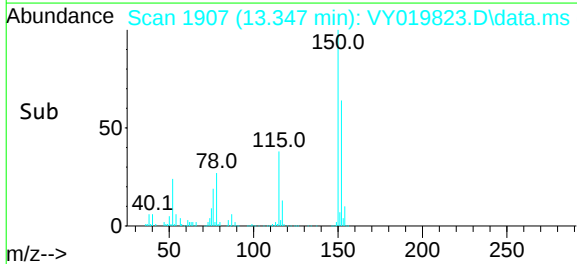
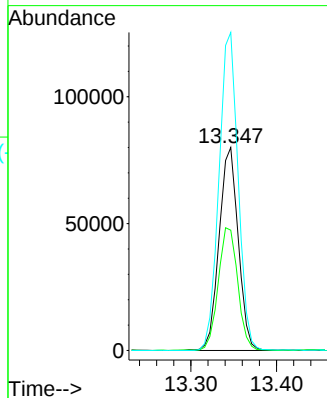
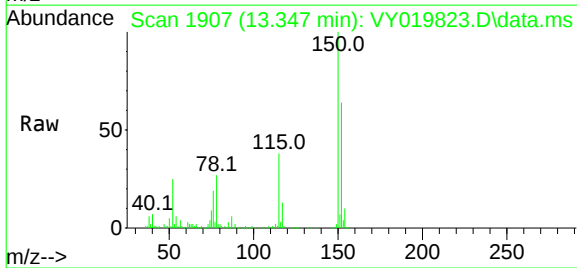
Tgt Ion:152 Resp: 124315

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 156.4 0.0 345.6



#73

Isopropylbenzene

Concen: 2.627 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY019823.D

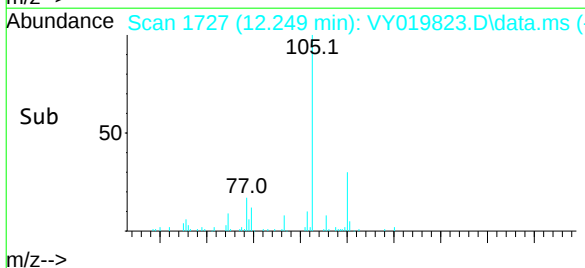
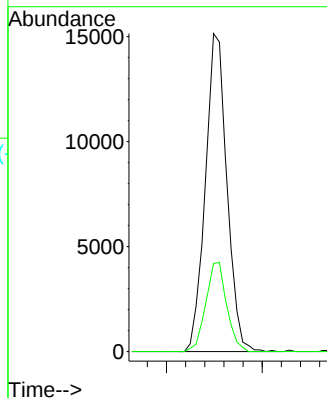
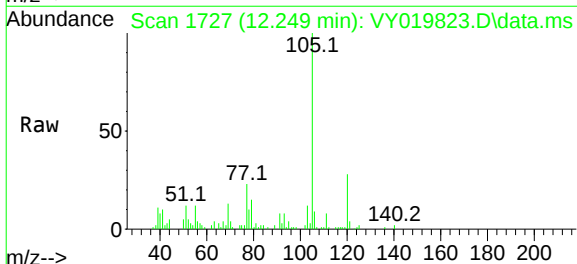
Acq: 08 Oct 2024 15:22

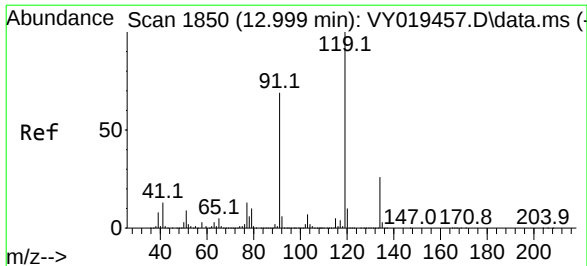
Tgt Ion:105 Resp: 23695

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1





#83

tert-Butylbenzene

Concen: 1.000 ug/l

RT: 12.993 min Scan# 18

Delta R.T. -0.006 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Instrument :

MSVOA_Y

ClientSampleId :

1B-7-VOC

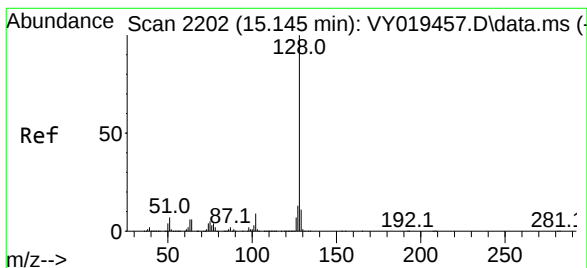
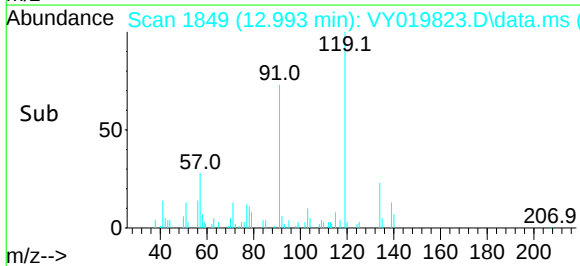
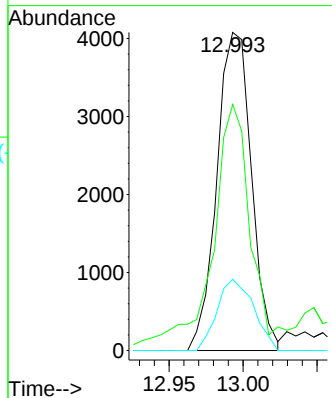
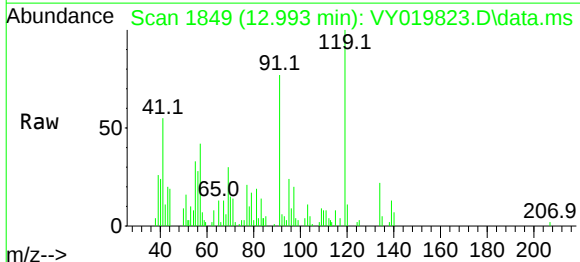
Tgt Ion:119 Resp: 6638

Ion Ratio Lower Upper

119 100

91 79.5 31.3 93.8

134 23.6 13.4 40.1



#95

Naphthalene

Concen: 1.276 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY019823.D

Acq: 08 Oct 2024 15:22

Tgt Ion:128 Resp: 5390

Ion Ratio Lower Upper

128 100

127 14.5 10.6 16.0

129 11.4 8.6 13.0

