

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
 Data File : VY019411.D
 Acq On : 30 Aug 2024 21:17
 Operator : SY/MD
 Sample : P3787-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3

Quant Time: Aug 30 23:21:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 02:45:30 2024
 Response via : Initial Calibration

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

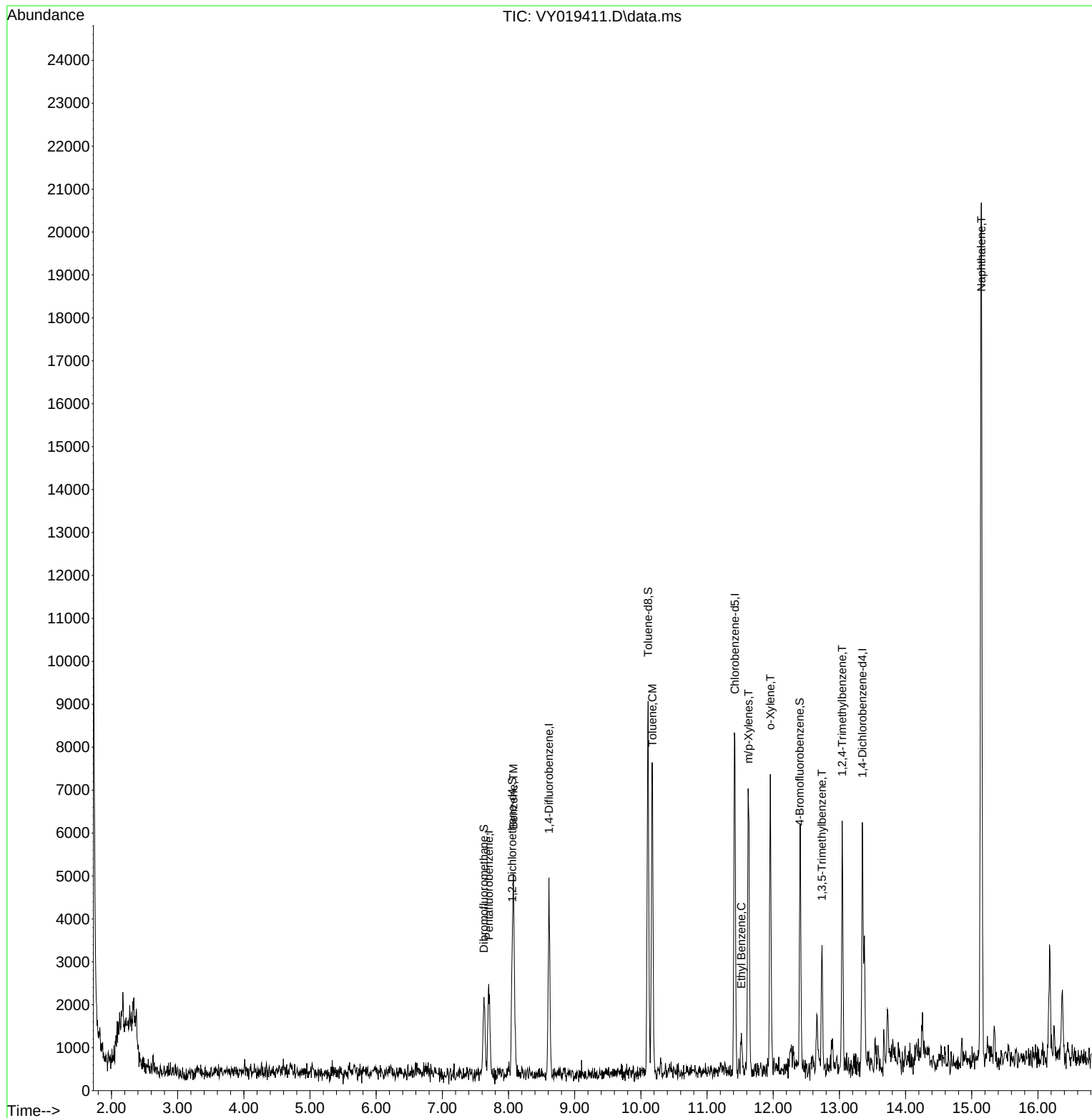
Internal Standards						
1) Pentafluorobenzene	7.701	168	2266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	4063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5007	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	1714	79.858	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 159.720%	
35) Dibromofluoromethane	7.628	113	1637	63.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.460%	
50) Toluene-d8	10.109	98	5674	60.003	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 120.000%	
62) 4-Bromofluorobenzene	12.402	95	1714	56.041	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 112.080%	
Target Compounds						
					Qvalue	
40) Benzene	8.073	78	3241	29.337	ug/l #	83
52) Toluene	10.176	92	3095	42.733	ug/l	97
67) Ethyl Benzene	11.518	91	810	4.136	ug/l #	58
68) m/p-Xylenes	11.627	106	2289	29.539	ug/l	91
69) o-Xylene	11.957	106	1861	25.784	ug/l	92
80) 1,3,5-Trimethylbenzene	12.737	105	1245	13.020	ug/l	86
84) 1,2,4-Trimethylbenzene	13.042	105	2872	31.285	ug/l	92
95) Naphthalene	15.145	128	16799	430.092	ug/l	98

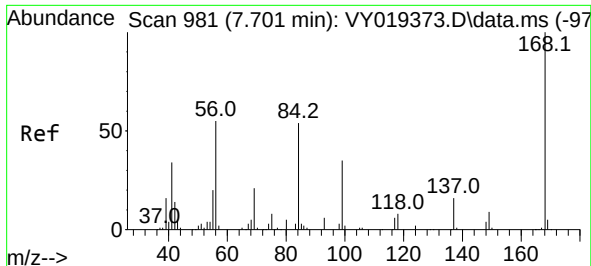
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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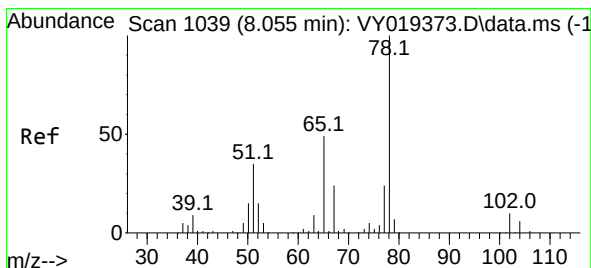
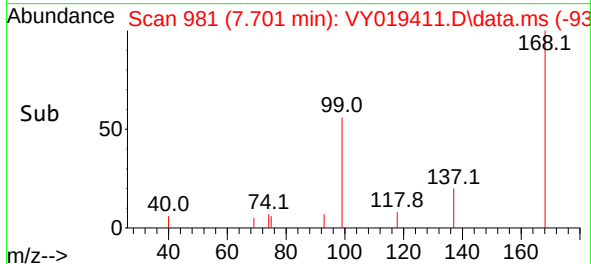
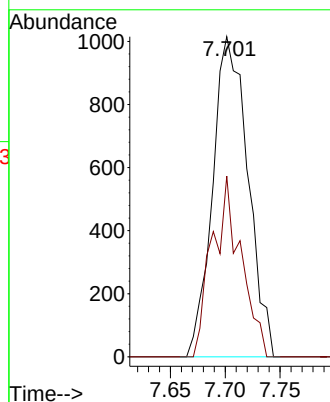
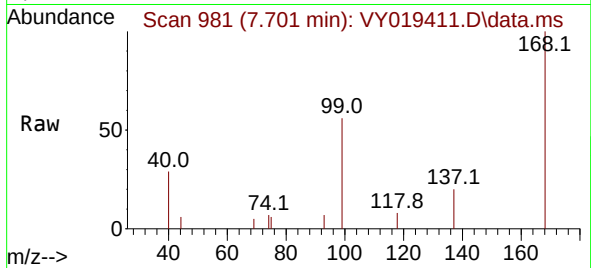




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

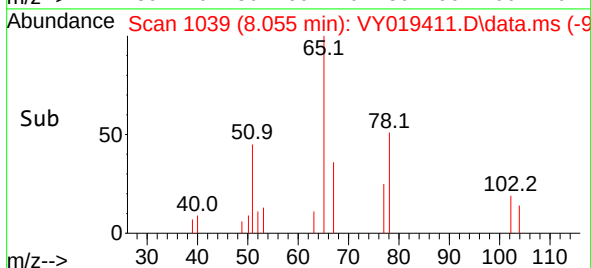
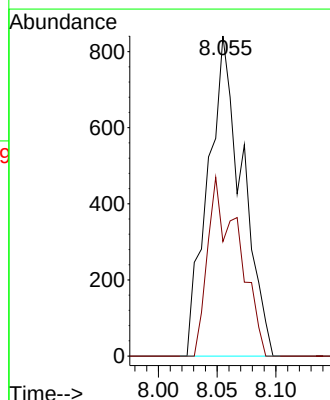
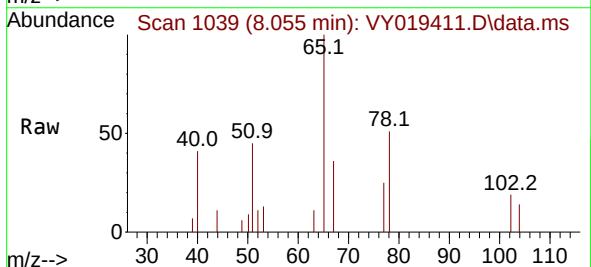
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

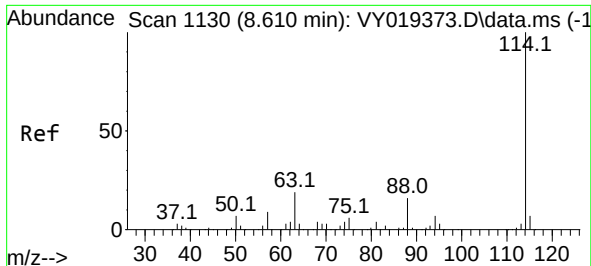
Tgt Ion:168 Resp: 2266
Ion Ratio Lower Upper
168 100
99 56.5 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 79.858 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

Tgt Ion: 65 Resp: 1714
Ion Ratio Lower Upper
65 100
67 50.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019411.D

Acq: 30 Aug 2024 21:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

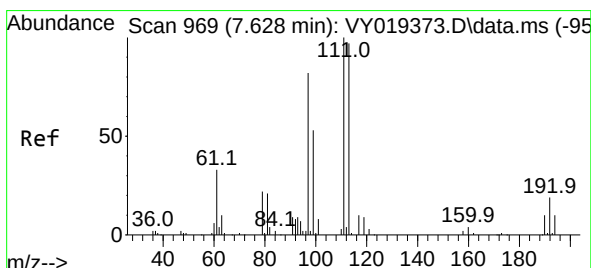
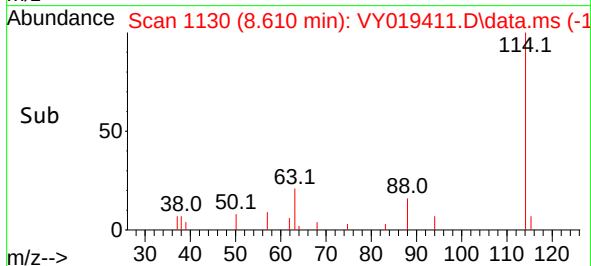
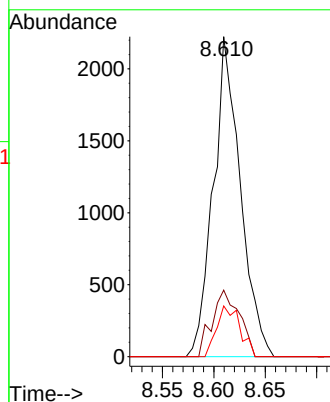
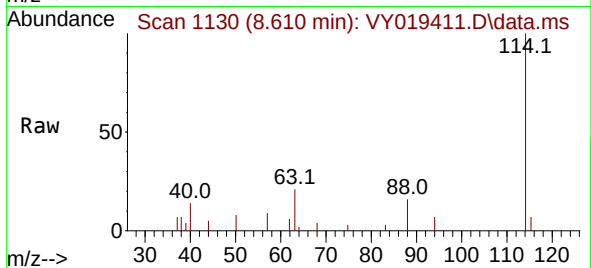
Tgt Ion:114 Resp: 4063

Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

88 15.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 63.727 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY019411.D

Acq: 30 Aug 2024 21:17

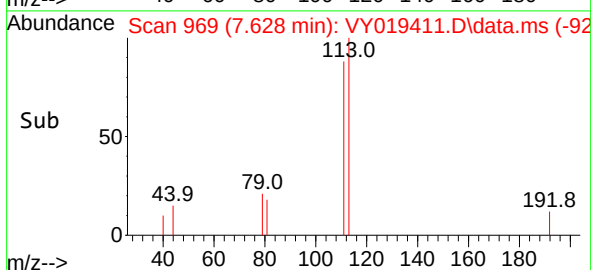
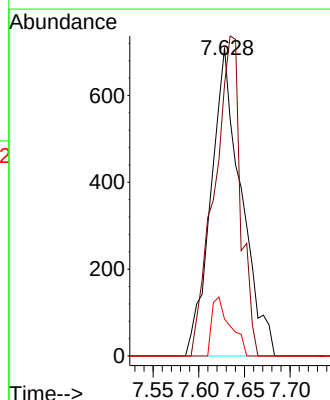
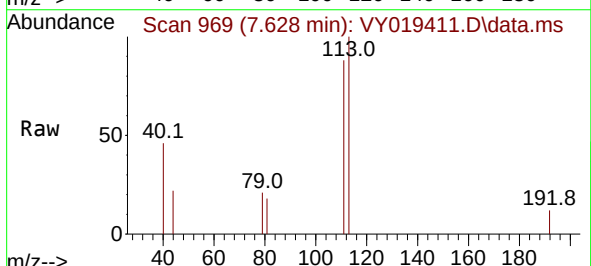
Tgt Ion:113 Resp: 1637

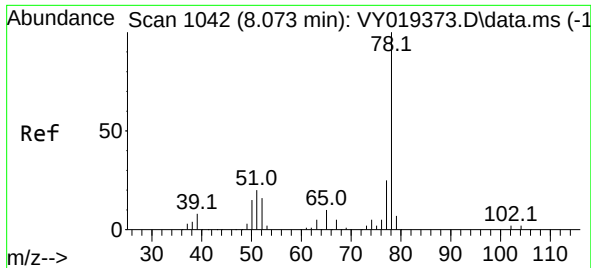
Ion Ratio Lower Upper

113 100

111 90.7 82.2 123.4

192 11.5 15.9 23.9#

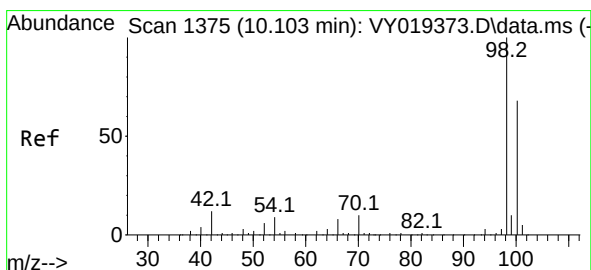
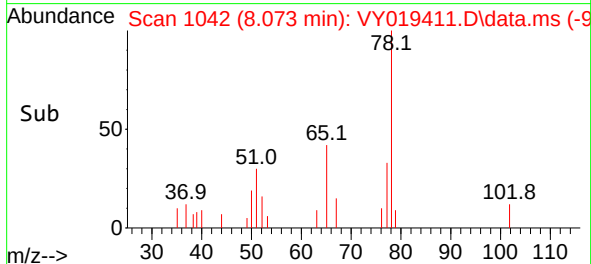
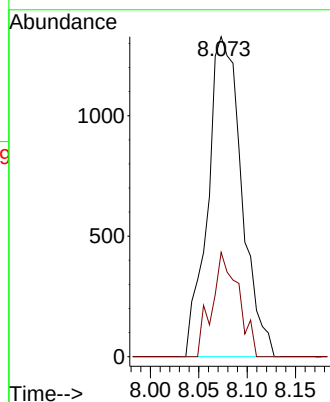
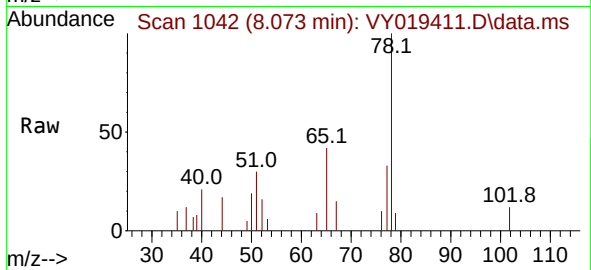




#40
Benzene
Concen: 29.337 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

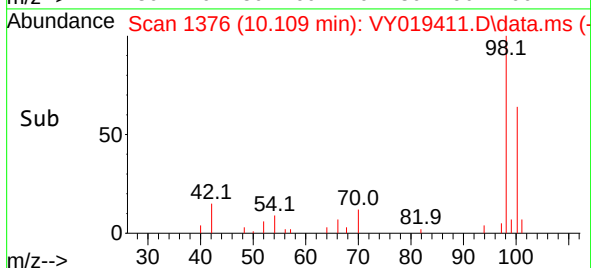
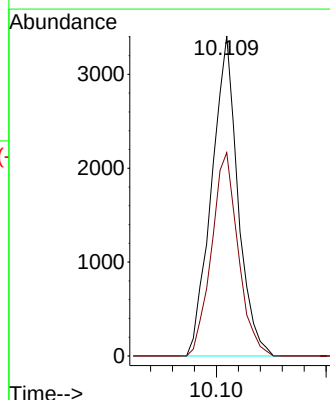
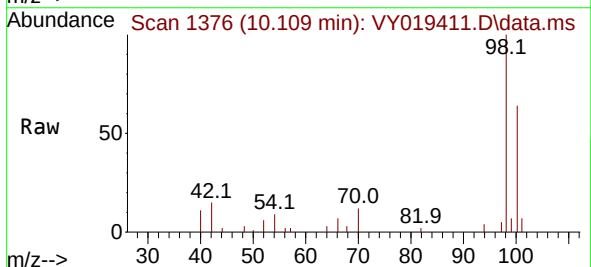
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

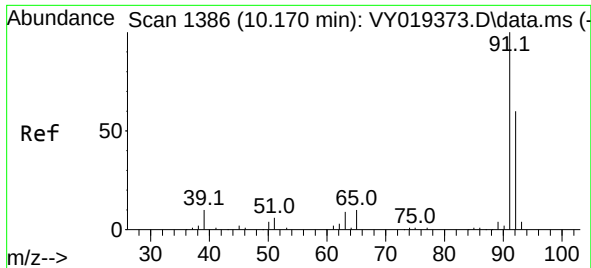
Tgt Ion: 78 Resp: 3241
Ion Ratio Lower Upper
78 100
77 32.6 19.5 29.3#



#50
Toluene-d8
Concen: 60.003 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

Tgt Ion: 98 Resp: 5674
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

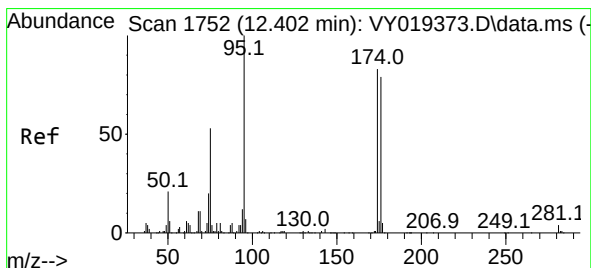
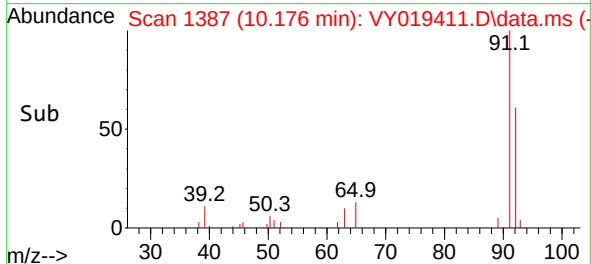
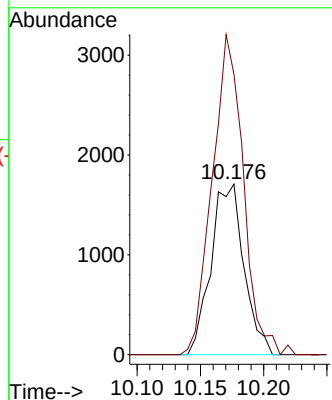
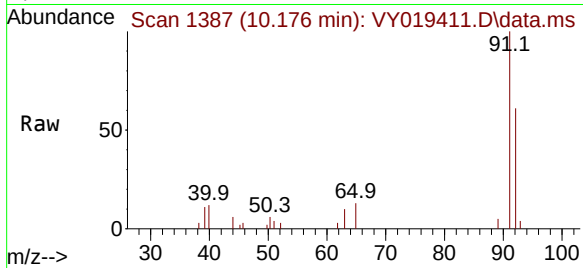




#52
Toluene
Concen: 42.733 ug/l
RT: 10.176 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

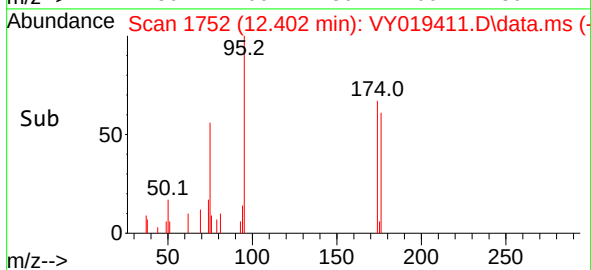
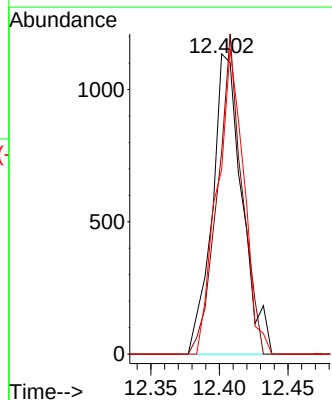
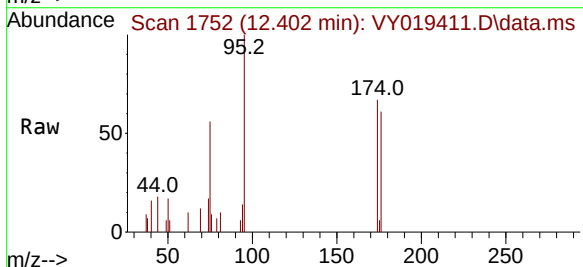
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

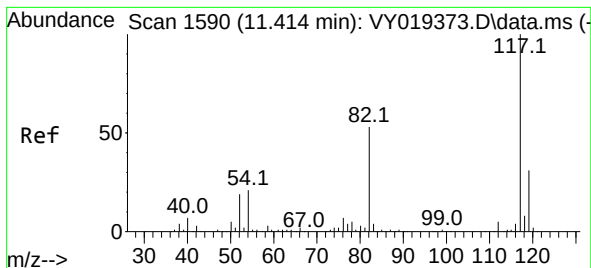
Tgt Ion: 92 Resp: 3095
Ion Ratio Lower Upper
92 100
91 177.7 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 56.041 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

Tgt Ion: 95 Resp: 1714
Ion Ratio Lower Upper
95 100
174 87.4 0.0 175.6
176 90.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019411.D

Acq: 30 Aug 2024 21:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

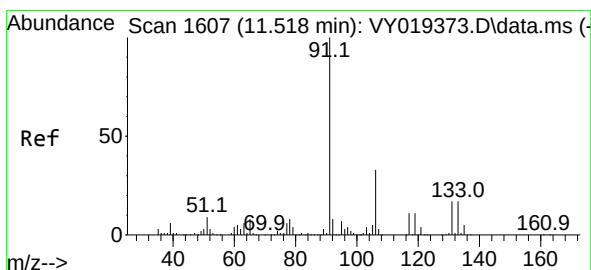
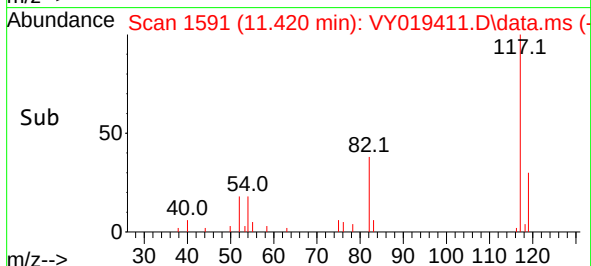
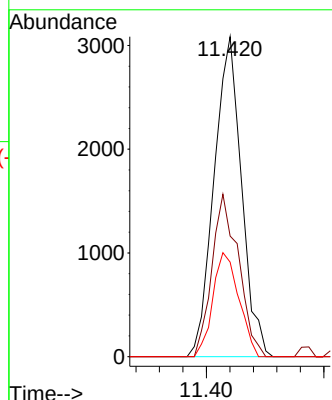
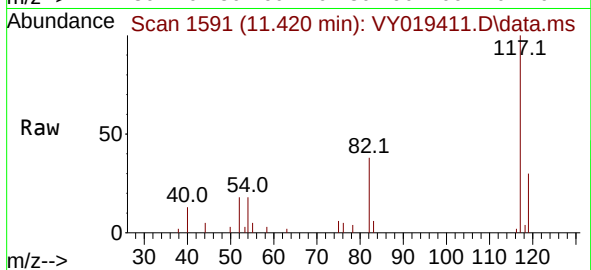
Tgt Ion:117 Resp: 5007

Ion Ratio Lower Upper

117 100

82 37.7 42.4 63.6#

119 29.6 25.9 38.9



#67

Ethyl Benzene

Concen: 4.136 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY019411.D

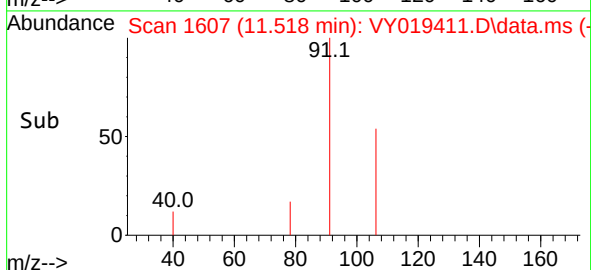
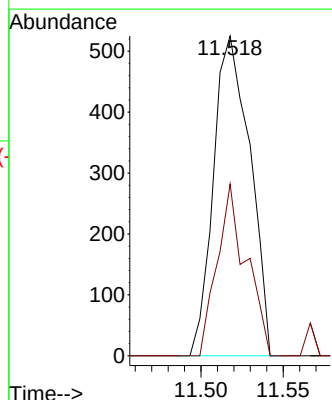
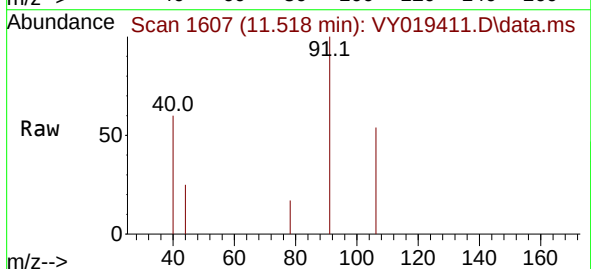
Acq: 30 Aug 2024 21:17

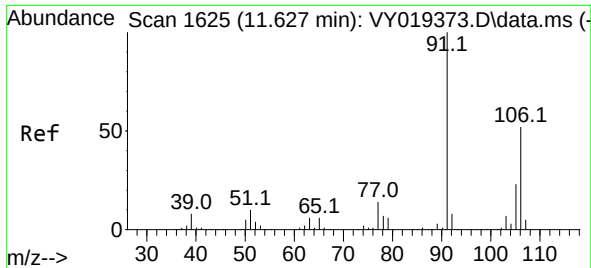
Tgt Ion: 91 Resp: 810

Ion Ratio Lower Upper

91 100

106 53.7 24.5 36.7#

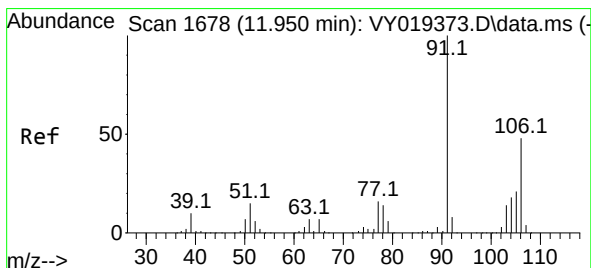
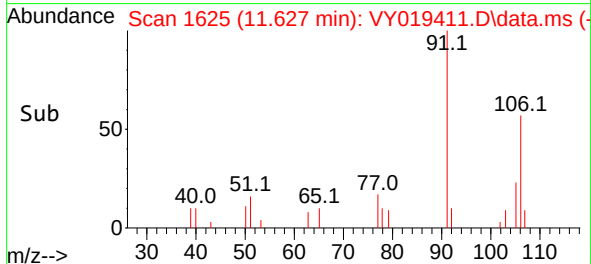
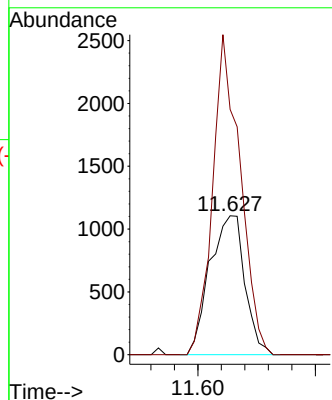
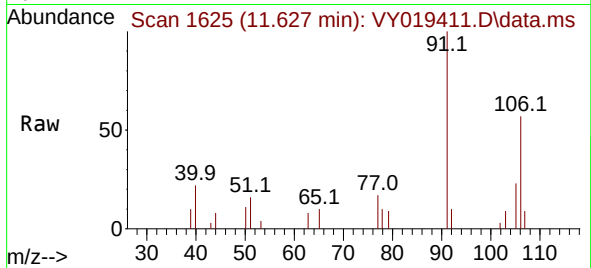




#68
m/p-Xylenes
Concen: 29.539 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

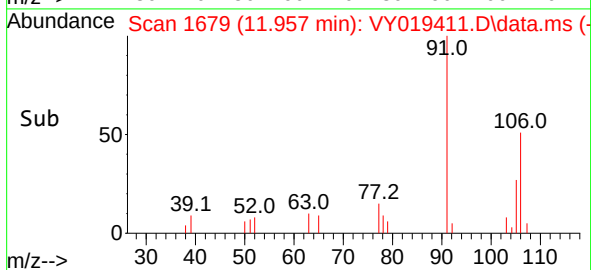
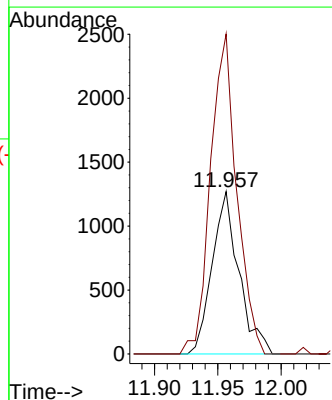
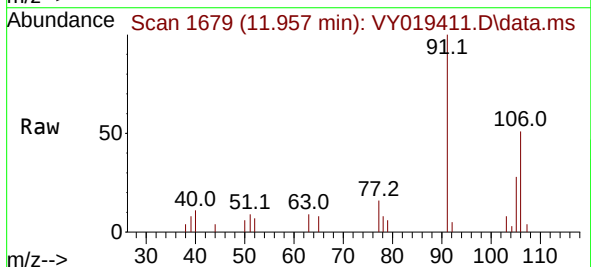
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

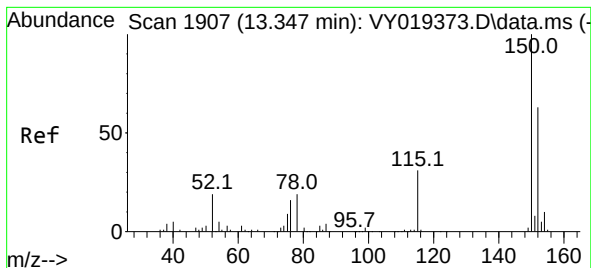
Tgt Ion:106 Resp: 2289
Ion Ratio Lower Upper
106 100
91 181.3 156.0 234.0



#69
o-Xylene
Concen: 25.784 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

Tgt Ion:106 Resp: 1861
Ion Ratio Lower Upper
106 100
91 194.2 103.6 310.8

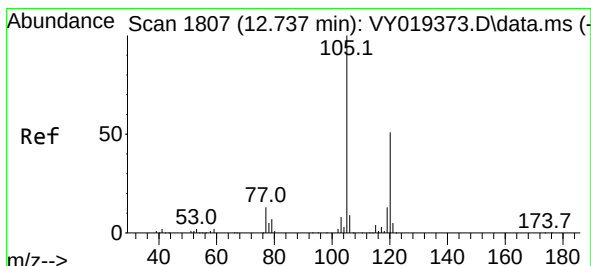
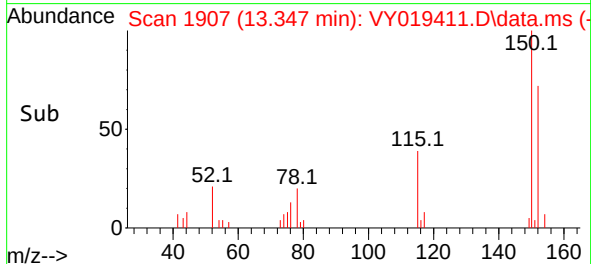
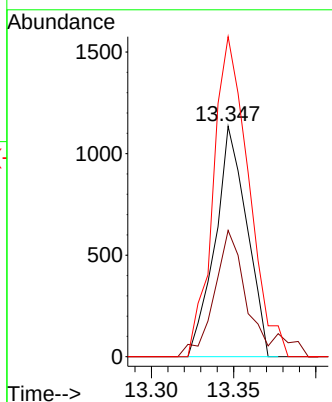
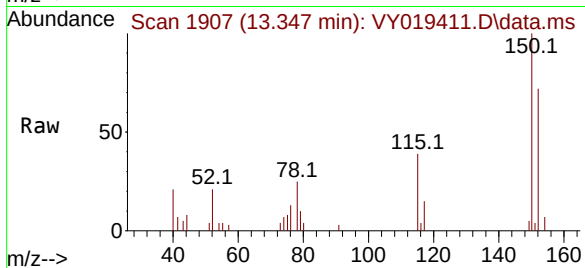




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

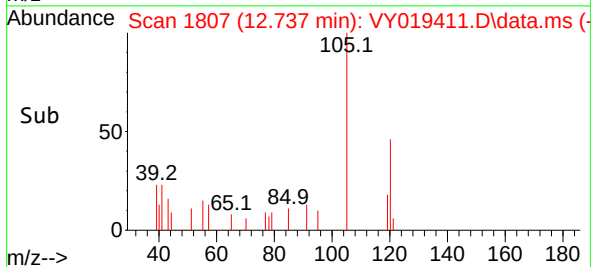
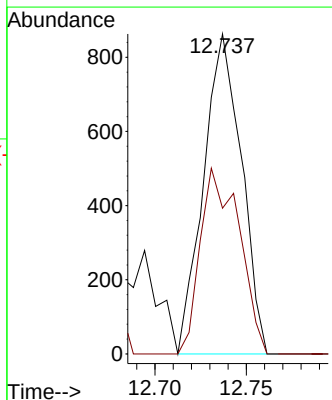
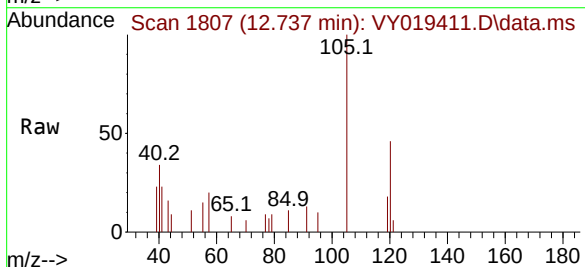
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

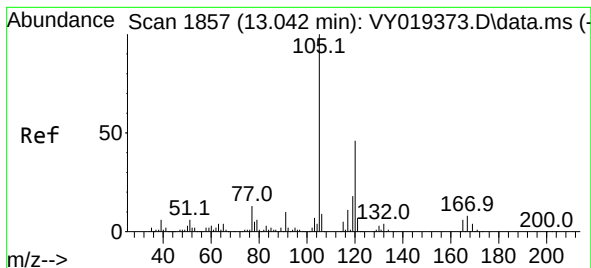
Tgt Ion:152 Resp: 1522
Ion Ratio Lower Upper
152 100
115 59.8 28.2 84.7
150 155.7 0.0 345.6



#80
1,3,5-Trimethylbenzene
Concen: 13.020 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019411.D
Acq: 30 Aug 2024 21:17

Tgt Ion:105 Resp: 1245
Ion Ratio Lower Upper
105 100
120 59.8 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 31.285 ug/l

RT: 13.042 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019411.D

Acq: 30 Aug 2024 21:17

Instrument :

MSVOA_Y

ClientSampleId :

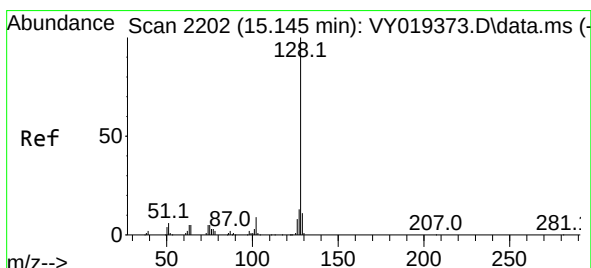
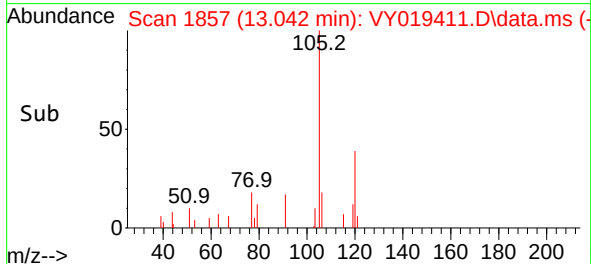
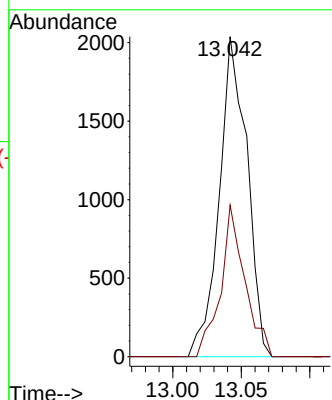
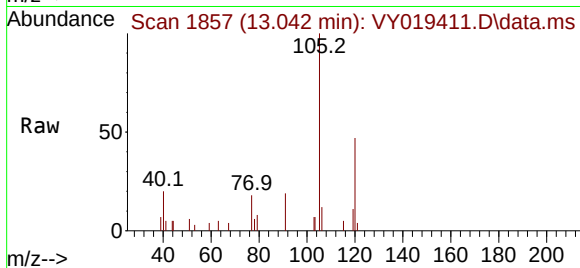
SB-3

Tgt Ion:105 Resp: 2872

Ion Ratio Lower Upper

105 100

120 41.4 23.2 69.6



#95

Naphthalene

Concen: 430.092 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY019411.D

Acq: 30 Aug 2024 21:17

Tgt Ion:128 Resp: 16799

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 11.4 8.6 13.0

