

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015324.D
 Acq On : 24 Aug 2023 20:01
 Operator : SY/MD
 Sample : 04147-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-05(46-47)

Quant Time: Aug 25 03:26:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

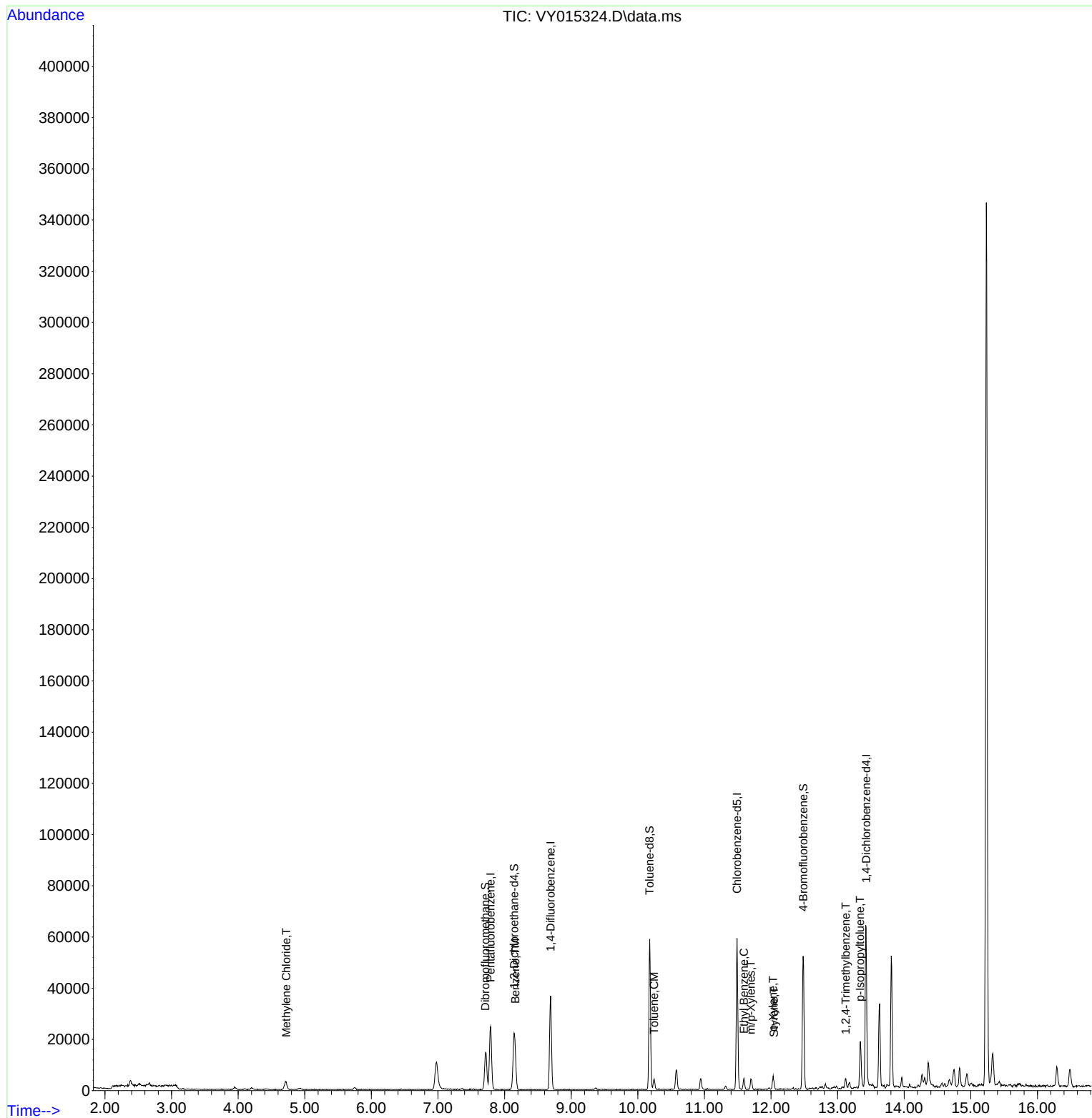
Internal Standards						
1) Pentafluorobenzene	7.789	168	19636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	32285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	30861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	16230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	13683	58.050	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 116.100%	
35) Dibromofluoromethane	7.710	113	10821	52.099	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 104.200%	
50) Toluene-d8	10.179	98	37788	48.873	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134		Recovery	= 97.740%	
62) 4-Bromofluorobenzene	12.483	95	14356	50.835	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143		Recovery	= 101.680%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.722	84	2306	8.942	ug/l #	82
40) Benzene	8.161	78	9481	13.647	ug/l	94
52) Toluene	10.246	92	1815	3.964	ug/l	99
67) Ethyl Benzene	11.593	91	3369	3.420	ug/l #	87
68) m/p-Xylenes	11.697	106	1381	3.691	ug/l	94
69) o-Xylene	12.032	106	1156	3.101	ug/l	92
70) Styrene	12.044	104	745	1.155	ug/l #	86
84) 1,2,4-Trimethylbenzene	13.123	105	2513	2.891	ug/l	94
86) p-Isopropyltoluene	13.337	119	1589	1.644	ug/l #	72

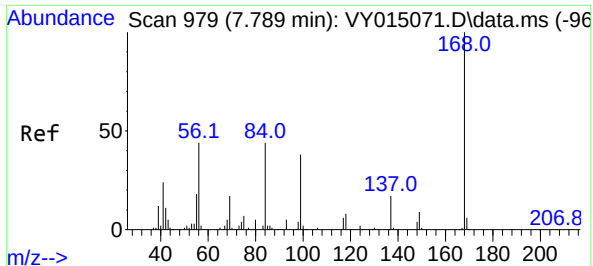
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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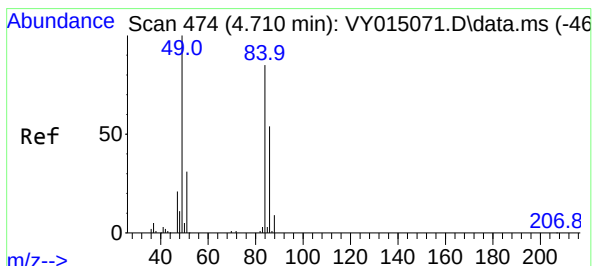
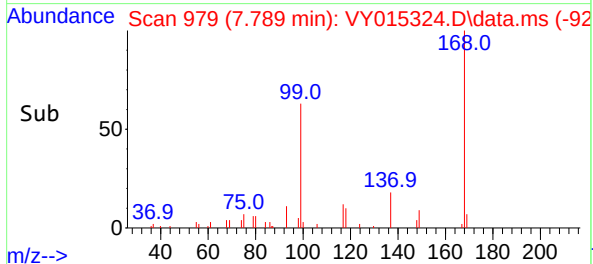
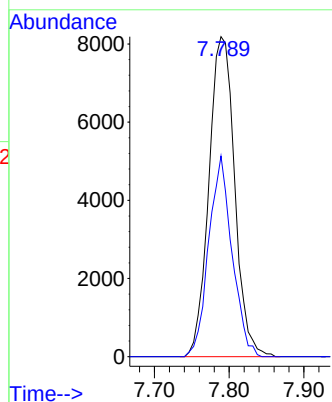
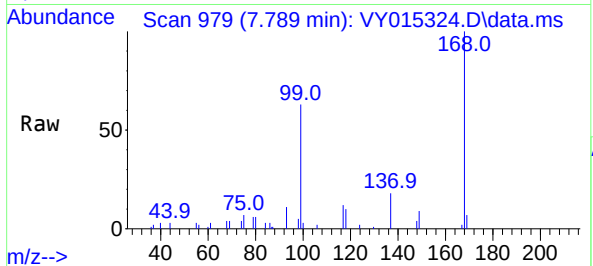




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

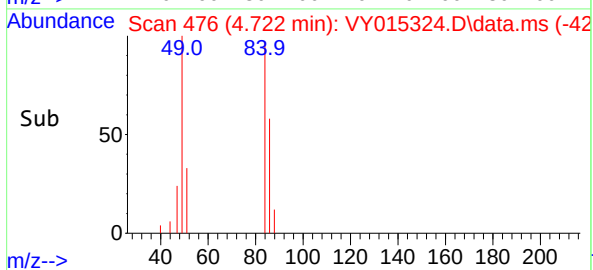
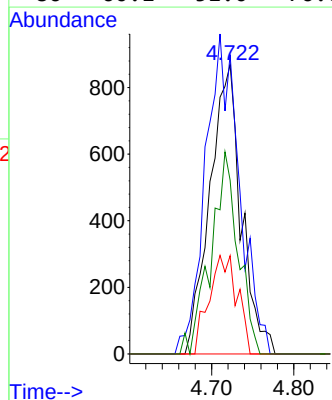
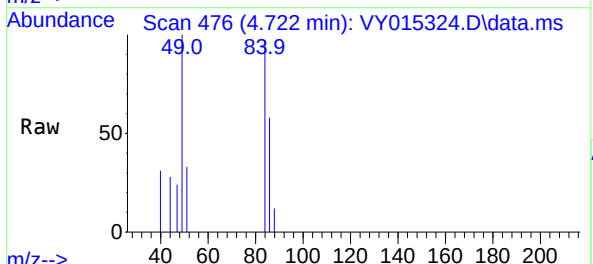
Instrument :
MSVOA_Y
ClientSampleId :
SB-05(46-47)

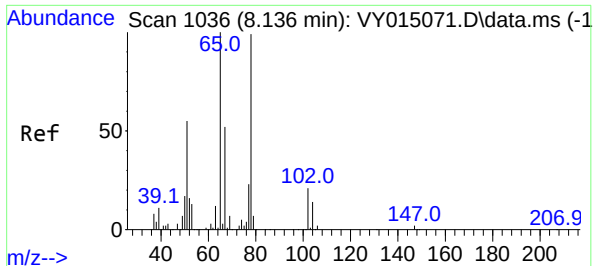
Tgt Ion:168 Resp: 19636
Ion Ratio Lower Upper
168 100
99 62.7 43.4 65.0



#20
Methylene Chloride
Concen: 8.942 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

Tgt Ion: 84 Resp: 2306
Ion Ratio Lower Upper
84 100
49 103.5 106.9 160.3#
51 33.9 33.2 49.8
86 60.1 51.0 76.6

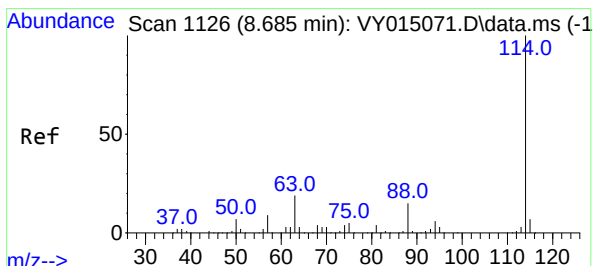
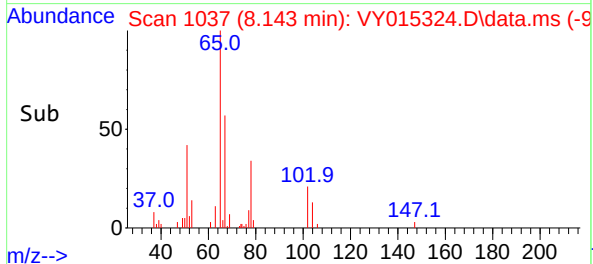
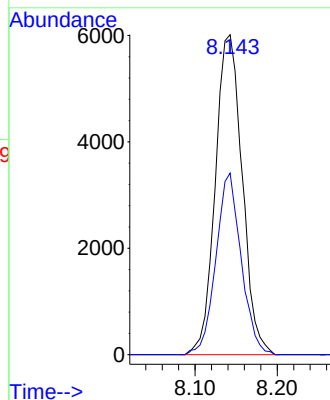
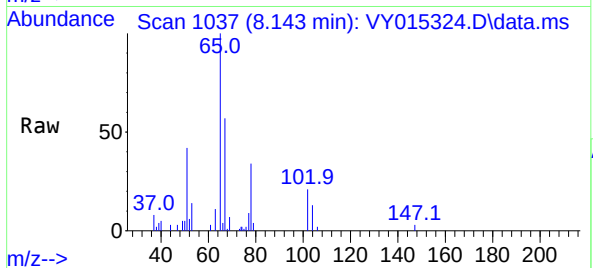




#33
1,2-Dichloroethane-d4
Concen: 58.050 ug/l
RT: 8.143 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

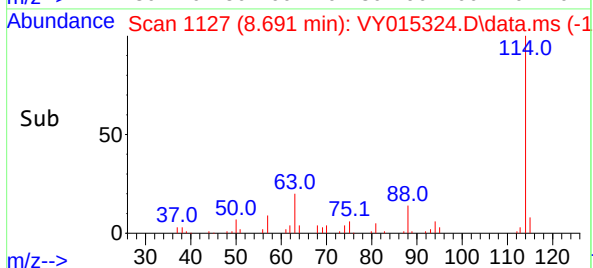
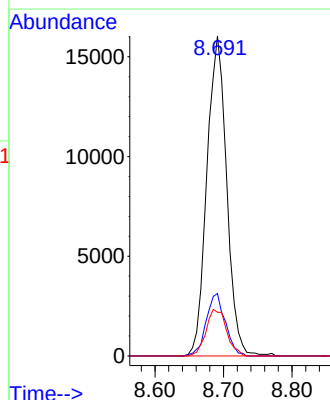
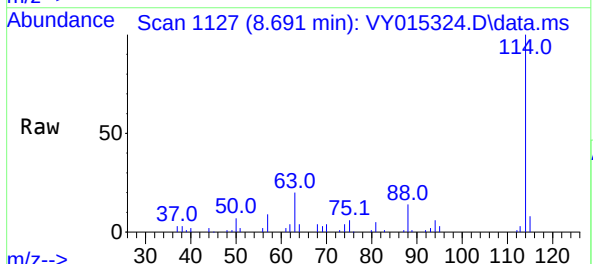
Instrument :
MSVOA_Y
ClientSampleId :
SB-05(46-47)

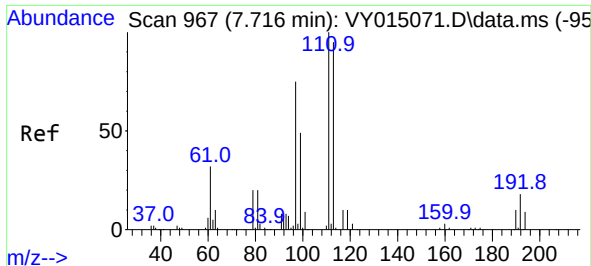
Tgt Ion: 65 Resp: 13683
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

Tgt Ion: 114 Resp: 32285
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 13.7 0.0 30.6

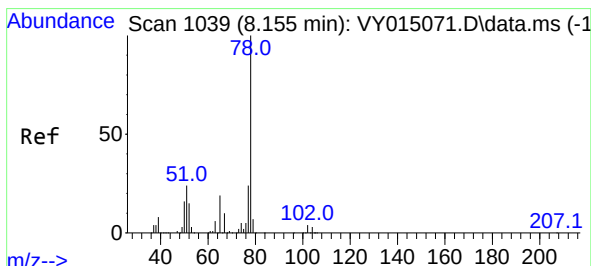
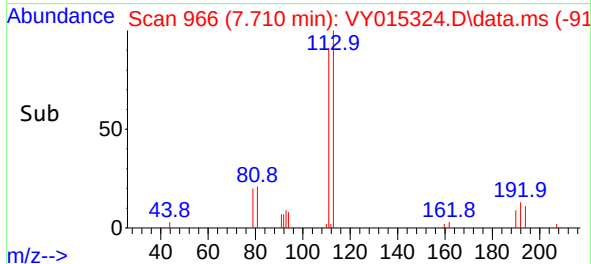
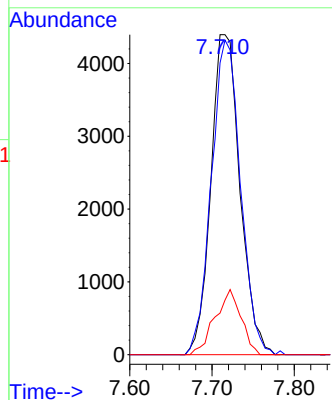
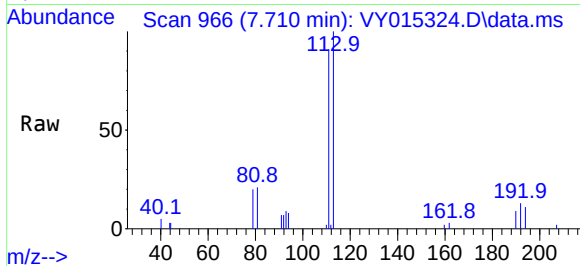




#35
Dibromofluoromethane
Concen: 52.099 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

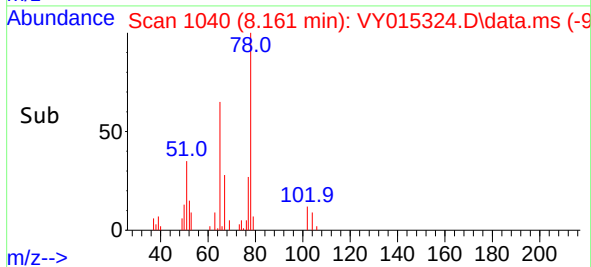
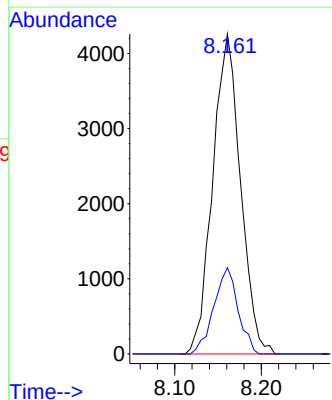
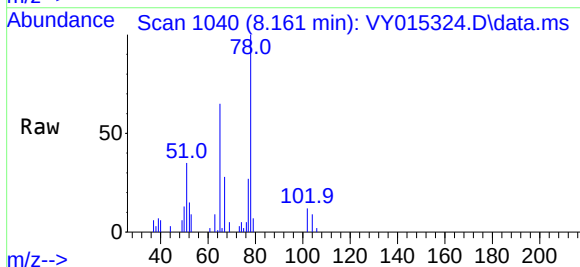
Instrument :
MSVOA_Y
ClientSampleId :
SB-05(46-47)

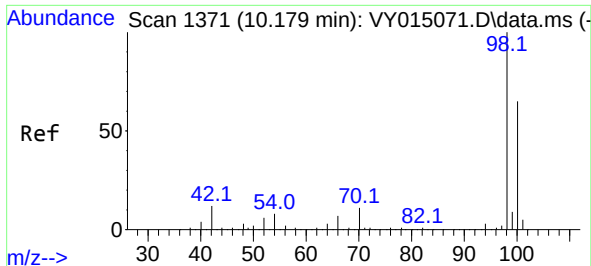
Tgt Ion:113 Resp: 10821
Ion Ratio Lower Upper
113 100
111 98.7 81.3 121.9
192 18.3 16.9 25.3



#40
Benzene
Concen: 13.647 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

Tgt Ion: 78 Resp: 9481
Ion Ratio Lower Upper
78 100
77 26.9 19.0 28.6

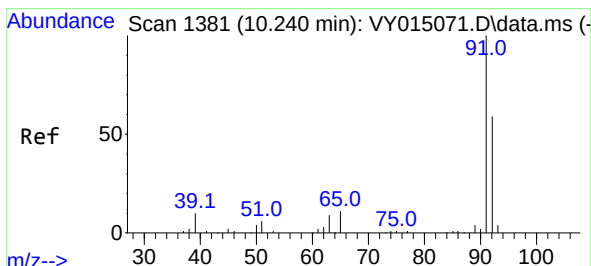
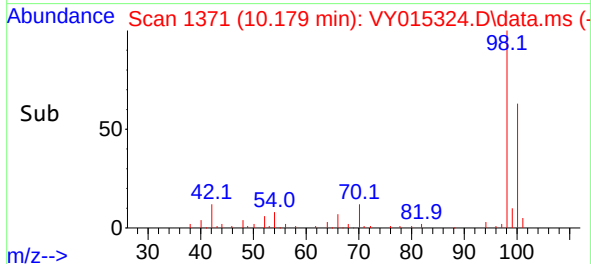
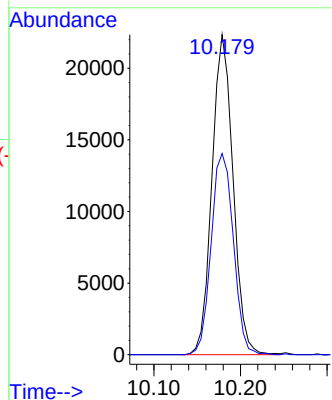
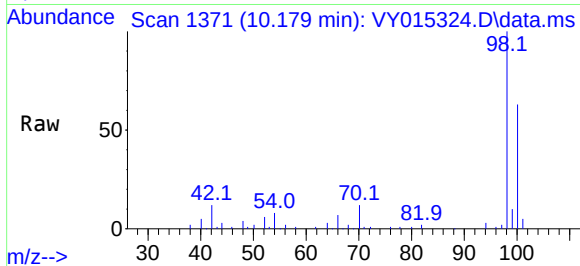




#50
Toluene-d8
Concen: 48.873 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

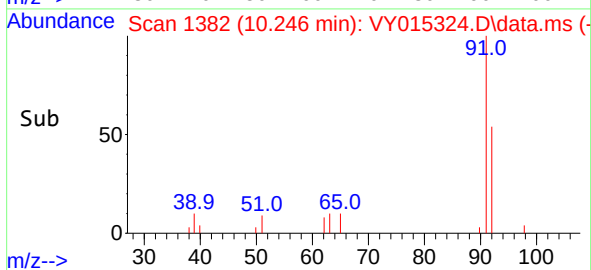
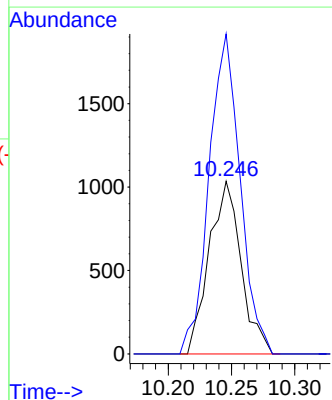
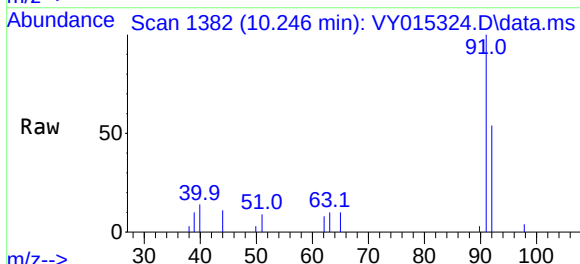
Instrument :
MSVOA_Y
ClientSampleId :
SB-05(46-47)

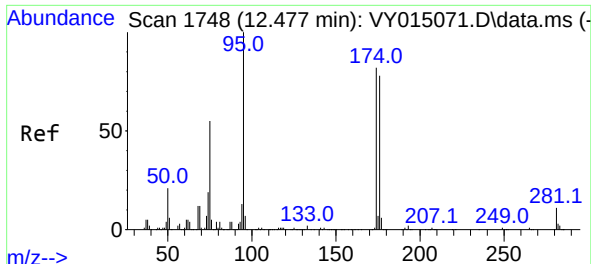
Tgt Ion: 98 Resp: 37788
Ion Ratio Lower Upper
98 100
100 66.3 50.1 75.1



#52
Toluene
Concen: 3.964 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

Tgt Ion: 92 Resp: 1815
Ion Ratio Lower Upper
92 100
91 180.7 143.8 215.6

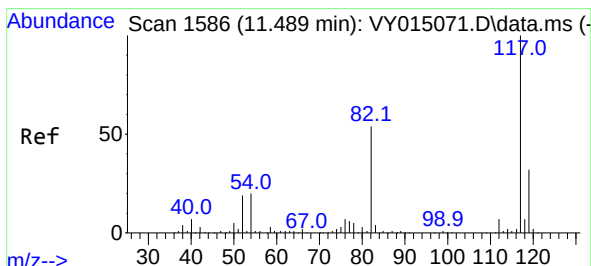
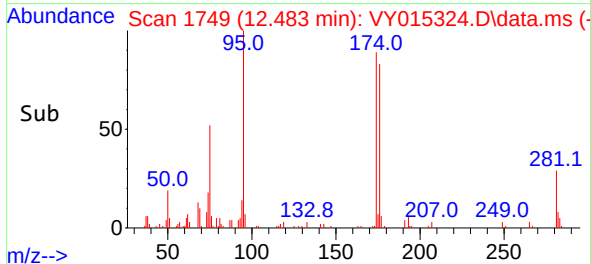
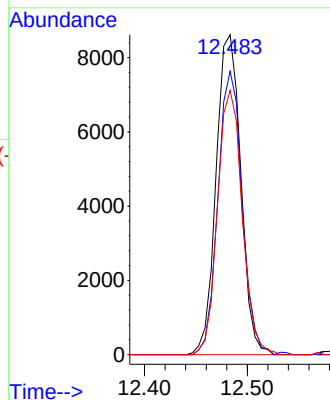
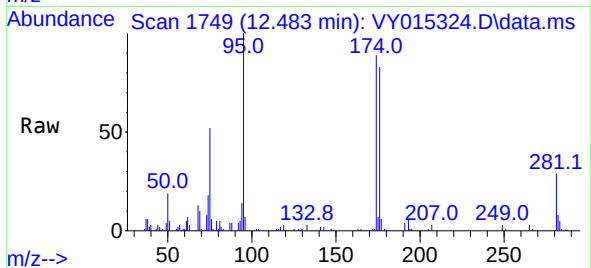




#62
4-Bromofluorobenzene
Concen: 50.835 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

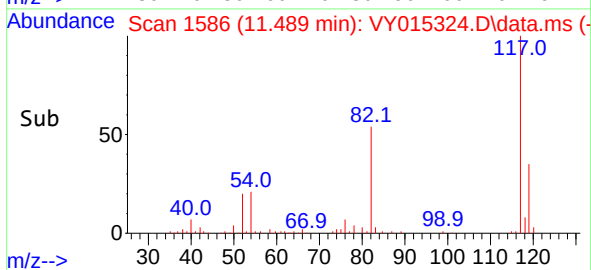
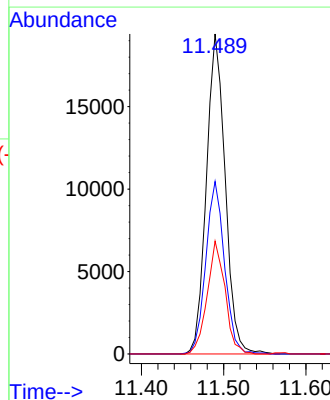
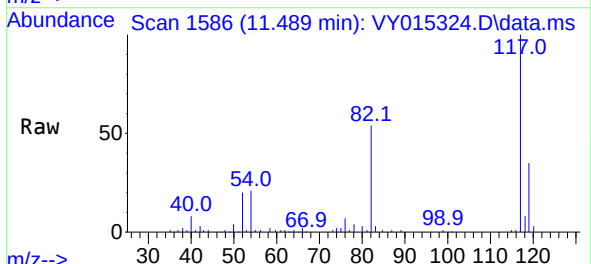
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SB-05(46-47)

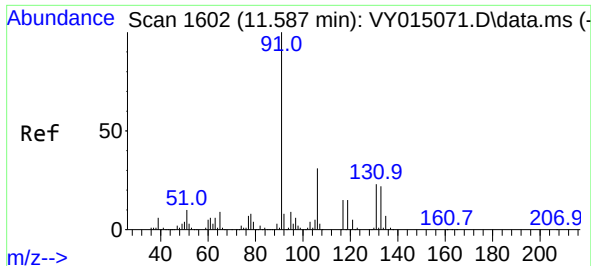
Tgt Ion: 95 Resp: 14356
Ion Ratio Lower Upper
95 100
174 86.8 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

Tgt Ion: 117 Resp: 30861
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 35.3 26.3 39.5





#67

Ethyl Benzene

Concen: 3.420 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015324.D

Acq: 24 Aug 2023 20:01

Instrument :

MSVOA_Y

ClientSampleId :

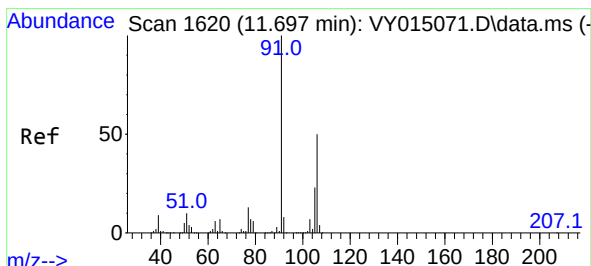
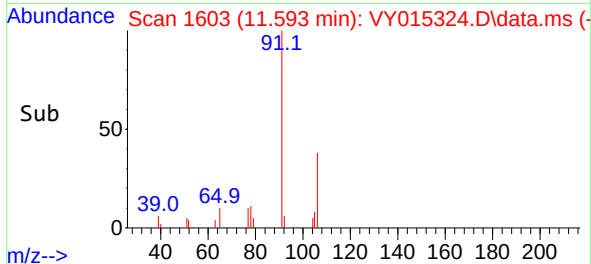
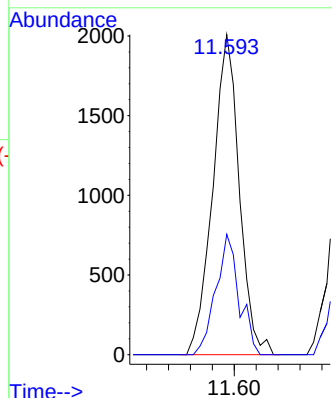
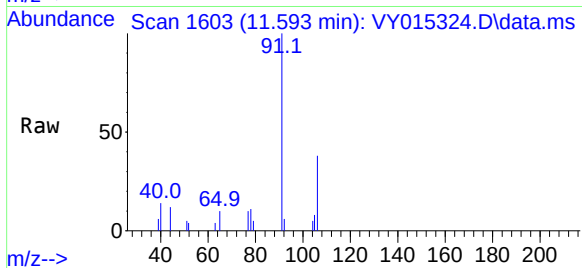
SB-05(46-47)

Tgt Ion: 91 Resp: 3369

Ion Ratio Lower Upper

91 100

106 37.6 24.6 36.8#



#68

m/p-Xylenes

Concen: 3.691 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY015324.D

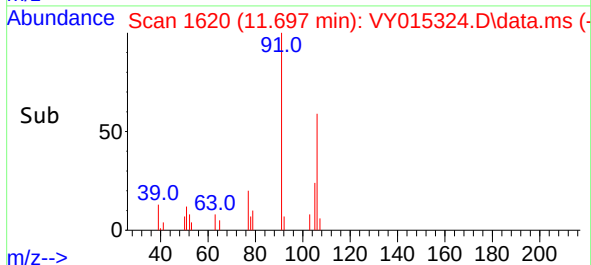
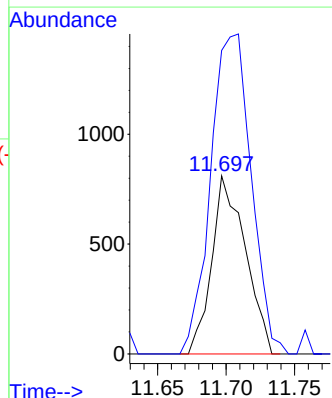
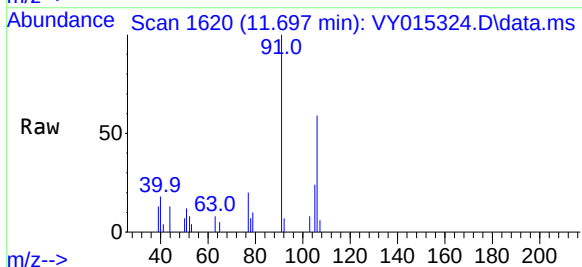
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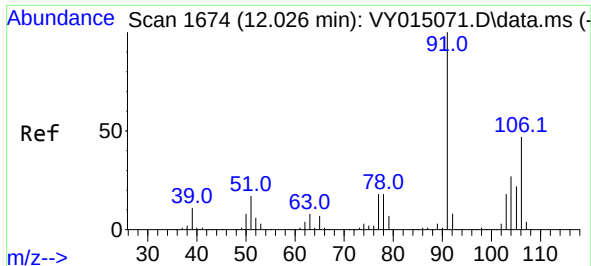
Tgt Ion:106 Resp: 1381

Ion Ratio Lower Upper

106 100

91 217.2 166.1 249.1

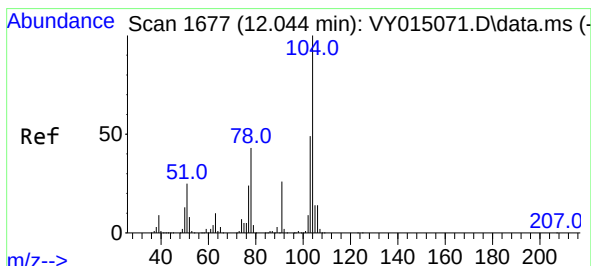
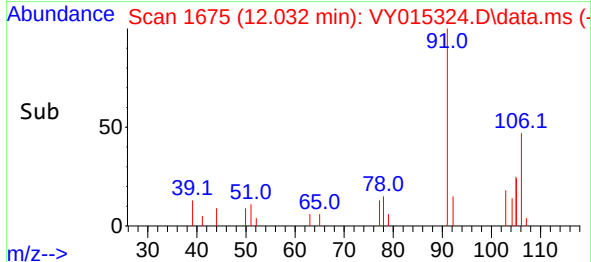
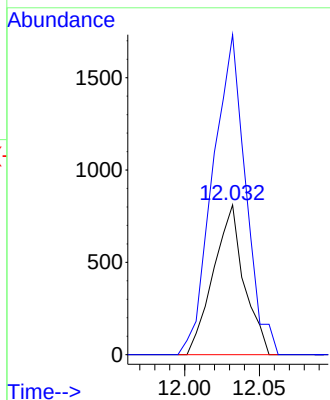
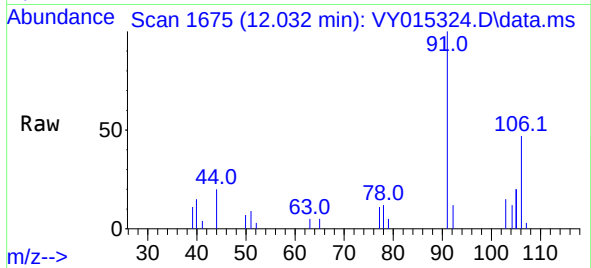




#69
o-Xylene
Concen: 3.101 ug/l
RT: 12.032 min Scan# 1156
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

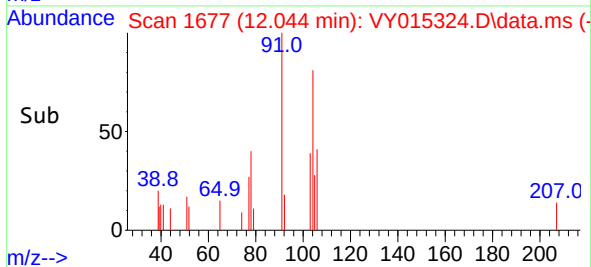
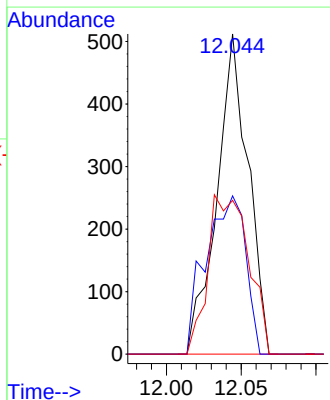
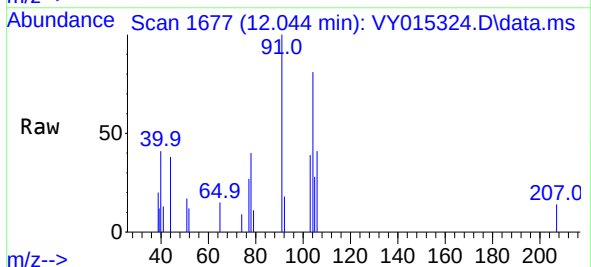
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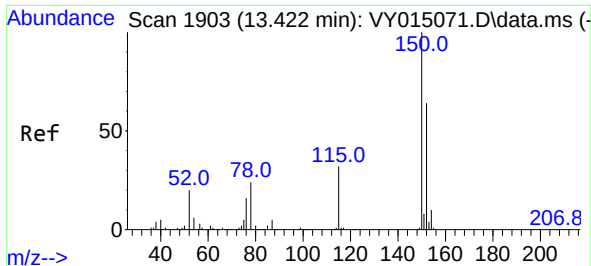
Tgt Ion:106 Resp: 1156
Ion Ratio Lower Upper
106 100
91 228.9 108.1 324.3



#70
Styrene
Concen: 1.155 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

Tgt Ion:104 Resp: 745
Ion Ratio Lower Upper
104 100
78 62.8 41.5 62.3#
103 64.6 44.6 67.0

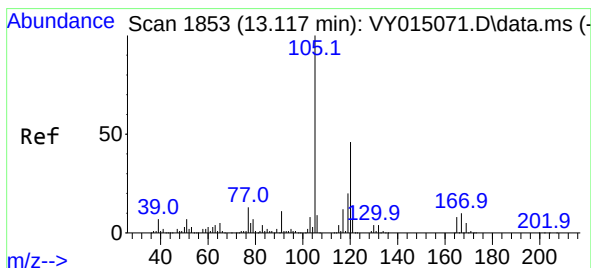
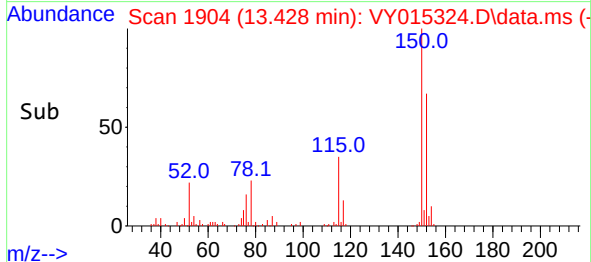
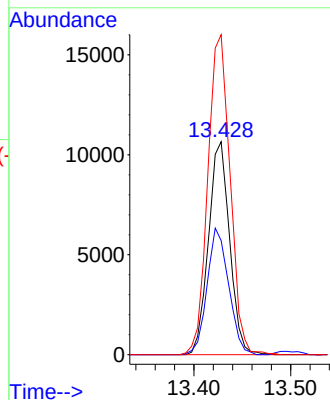
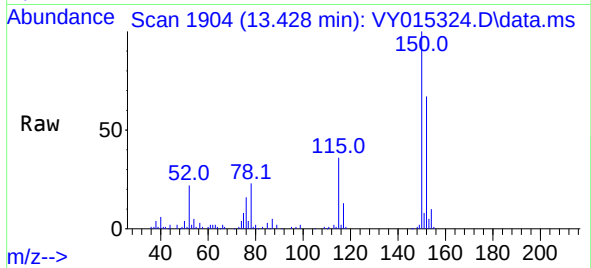




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

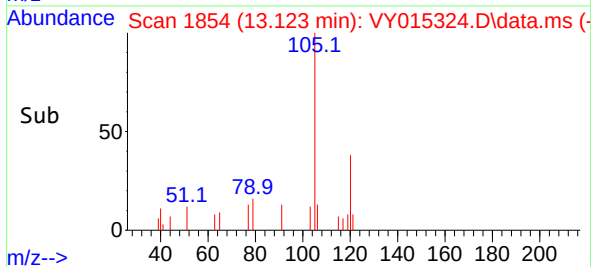
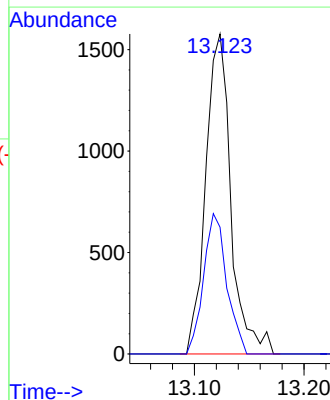
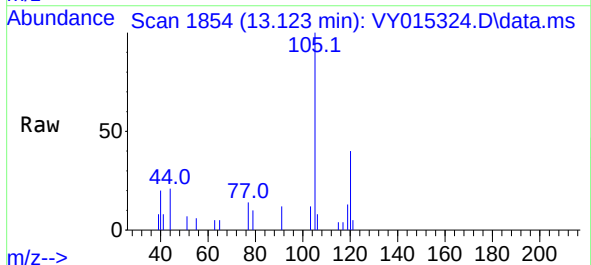
Instrument :
MSVOA_Y
ClientSampleId :
SB-05(46-47)

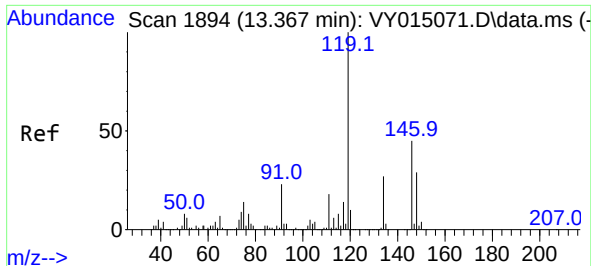
Tgt Ion:152 Resp: 16230
Ion Ratio Lower Upper
152 100
115 60.5 28.8 86.5
150 158.2 0.0 348.8



#84
1,2,4-Trimethylbenzene
Concen: 2.891 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY015324.D
Acq: 24 Aug 2023 20:01

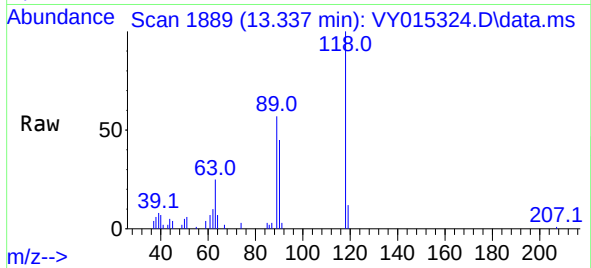
Tgt Ion:105 Resp: 2513
Ion Ratio Lower Upper
105 100
120 40.4 22.2 66.6





#86
 p-Isopropyltoluene
 Concen: 1.644 ug/l
 RT: 13.337 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VY015324.D
 Acq: 24 Aug 2023 20:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-05(46-47)



Tgt Ion:	119	Resp:	1589
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.3	39.8#
91	26.8	12.4	37.4

