

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020422\
 Data File : VY007394.D
 Acq On : 04 Feb 2022 15:03
 Operator : SY/MD
 Sample : N1391-04
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-08-020322

Quant Time: Feb 06 23:35:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

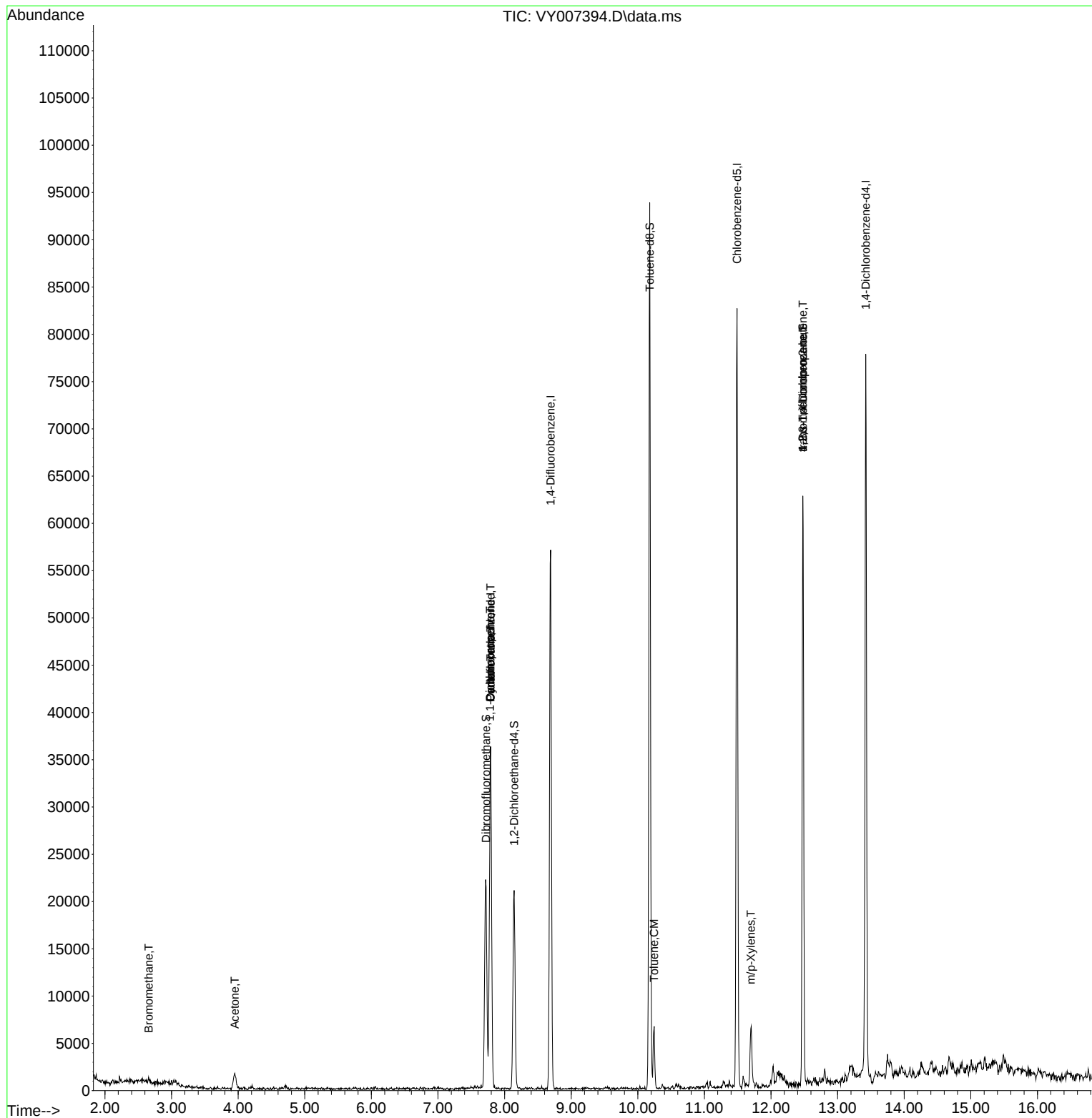
Internal Standards						
1) Pentafluorobenzene	7.789	168	26226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	48081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	44206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	18680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	16185	53.653	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.300%			
35) Dibromofluoromethane	7.722	113	15327	49.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.280%			
50) Toluene-d8	10.179	98	59000	51.724	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.477	95	20307	52.378	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.760%			
Target Compounds						
3) Chloromethane	2.113	50	170	Below Cal	#	44
5) Bromomethane	2.656	94	300	1.368	ug/l #	73
11) Tert butyl alcohol	4.948	59	21	Below Cal	#	77
16) Acetone	3.948	43	3238	33.050	ug/l	95
20) Methylene Chloride	4.722	84	266	Below Cal	#	40
31) Cyclohexane	7.789	56	757	1.286	ug/l #	31
36) 1,1-Dichloropropene	7.783	75	2450	4.539	ug/l #	47
38) Carbon Tetrachloride	7.789	117	2880	5.079	ug/l #	11
52) Toluene	10.246	92	2844	3.155	ug/l	95
68) m/p-Xylenes	11.697	106	1599	2.314	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	10717	48.259	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	10717	96.684	ug/l #	7

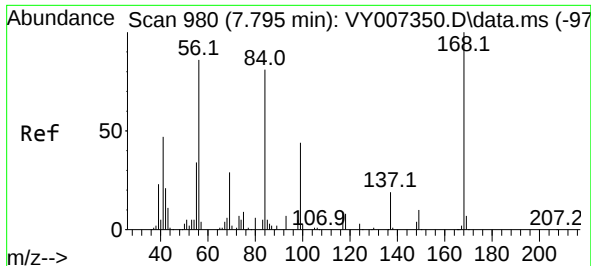
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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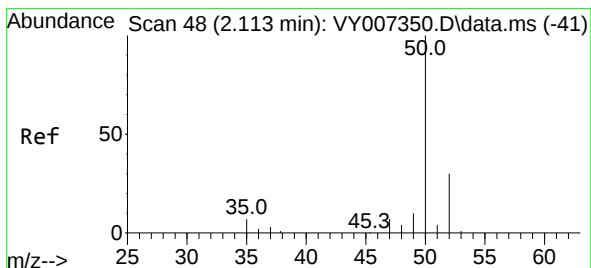
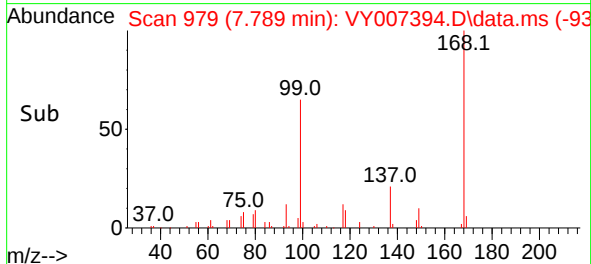
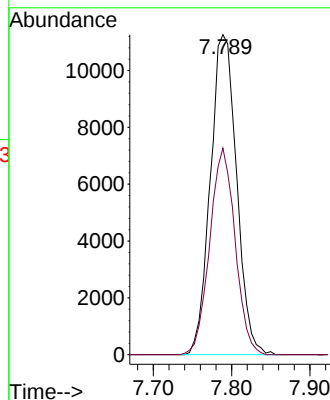
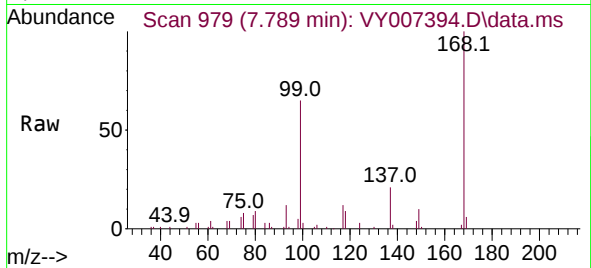




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

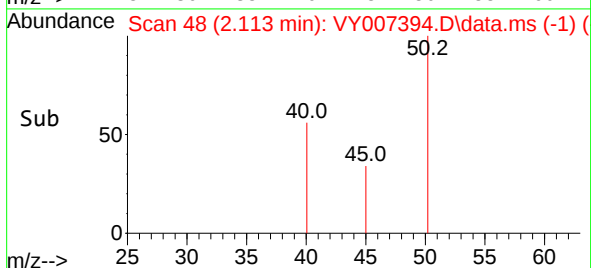
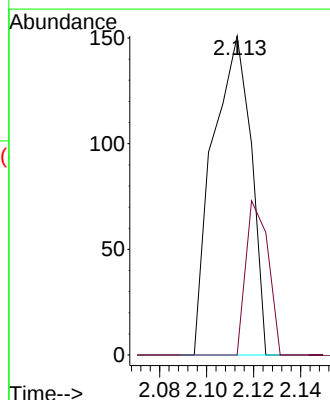
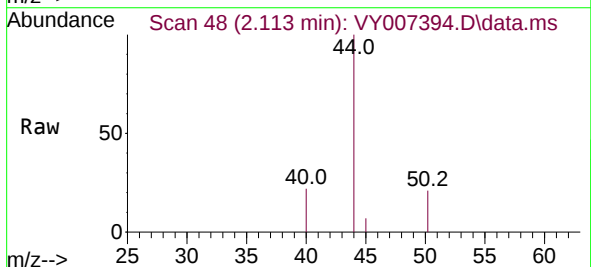
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-020322

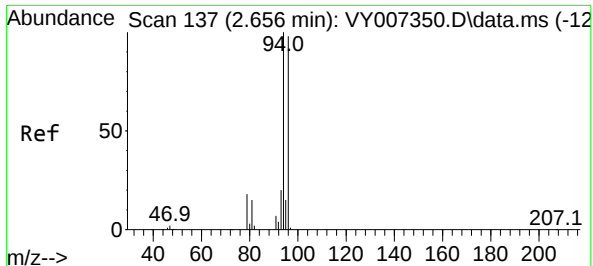
Tgt Ion:168 Resp: 26226
Ion Ratio Lower Upper
168 100
99 64.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Tgt Ion: 50 Resp: 170
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

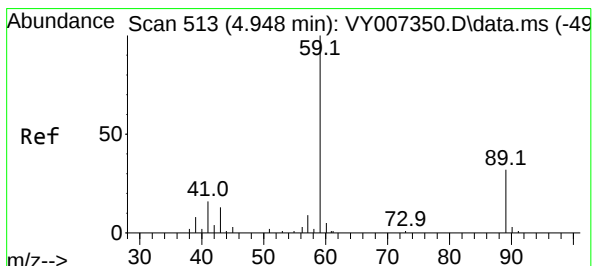
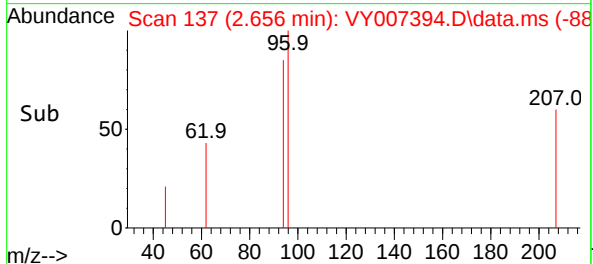
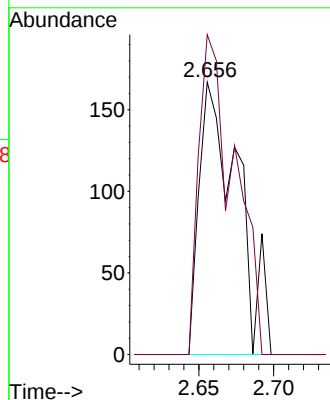
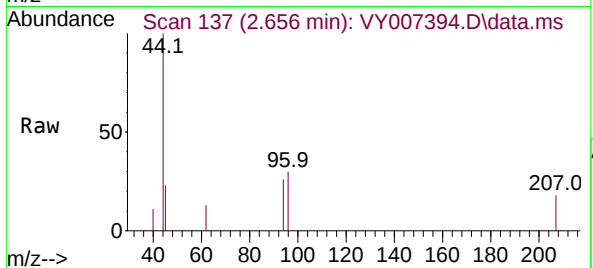




#5
Bromomethane
Concen: 1.368 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

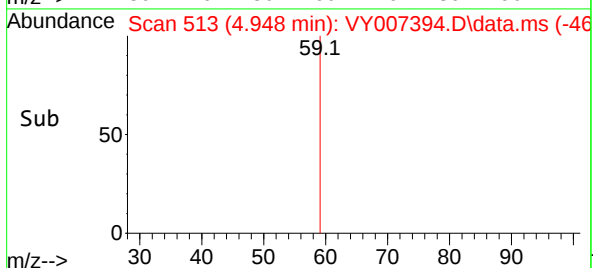
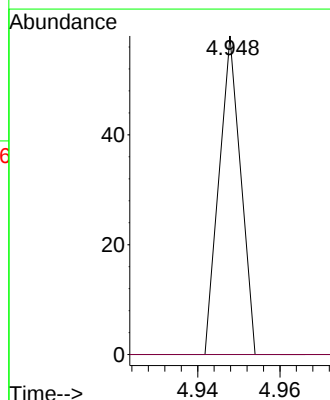
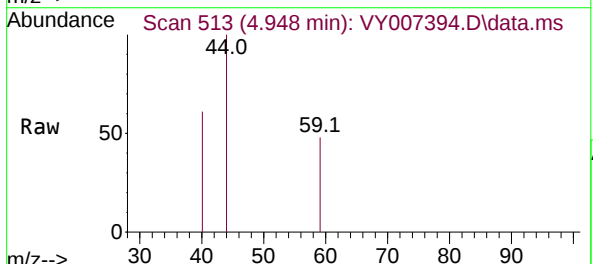
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-020322

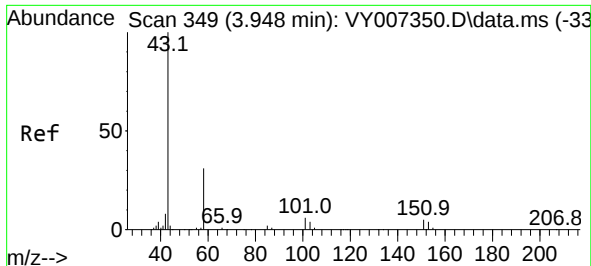
Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 117.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

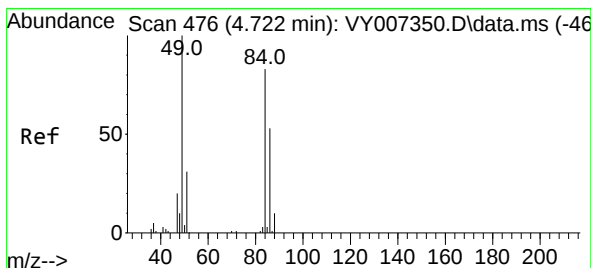
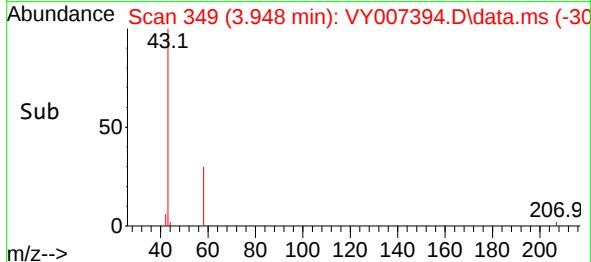
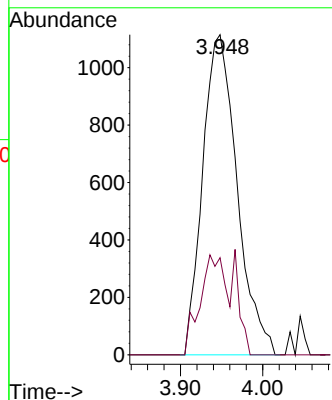
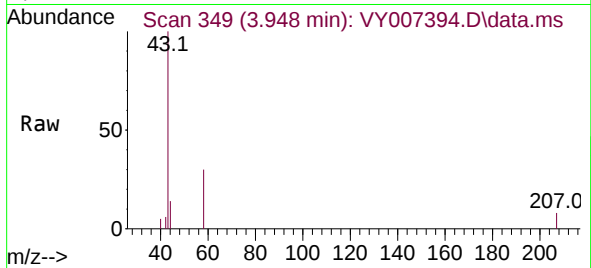




#16
Acetone
Concen: 33.050 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

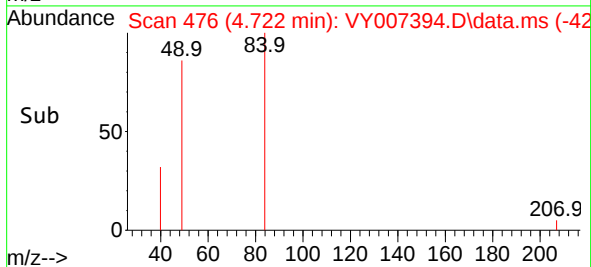
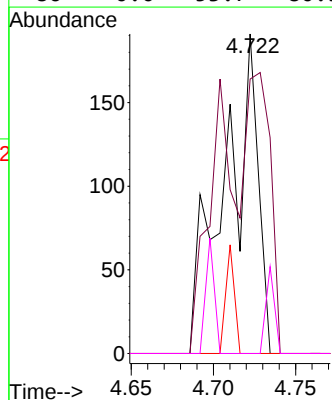
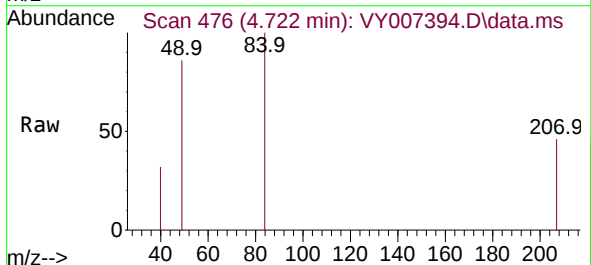
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-020322

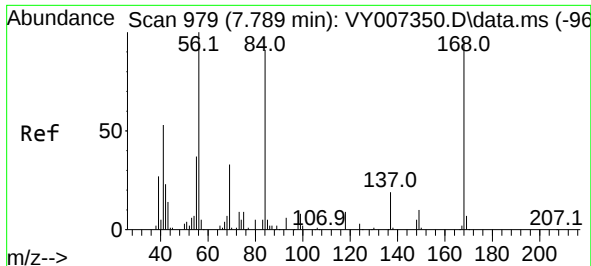
Tgt Ion: 43 Resp: 3238
Ion Ratio Lower Upper
43 100
58 30.3 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Tgt Ion: 84 Resp: 266
Ion Ratio Lower Upper
84 100
49 85.9 114.4 171.6#
51 0.0 35.3 52.9#
86 0.0 53.7 80.5#

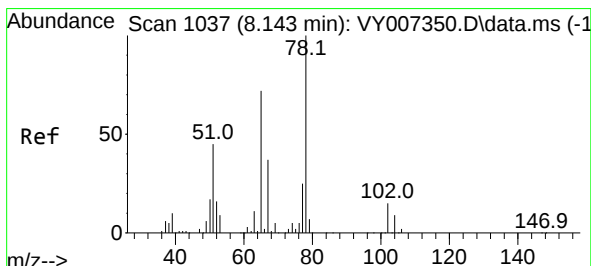
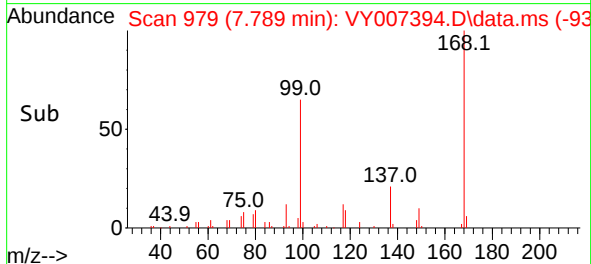
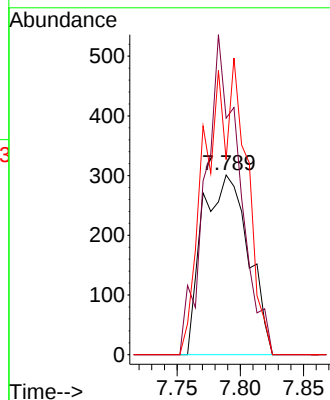
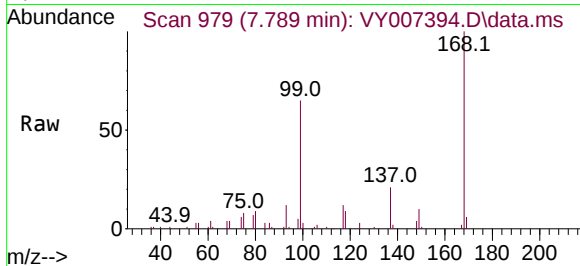




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

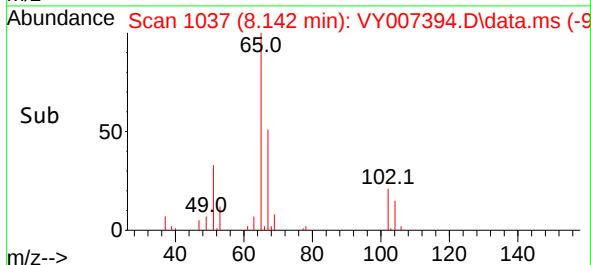
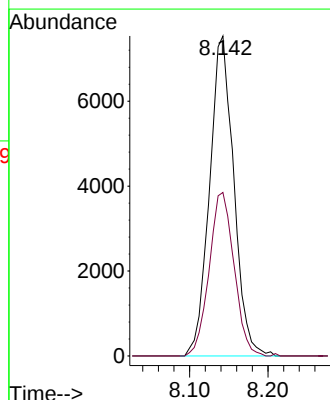
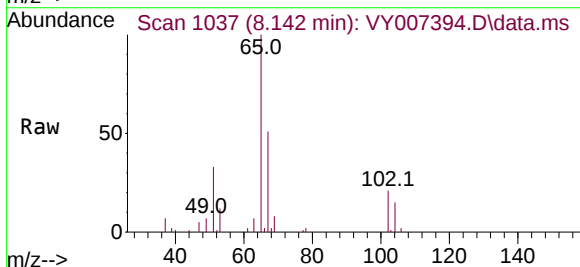
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-020322

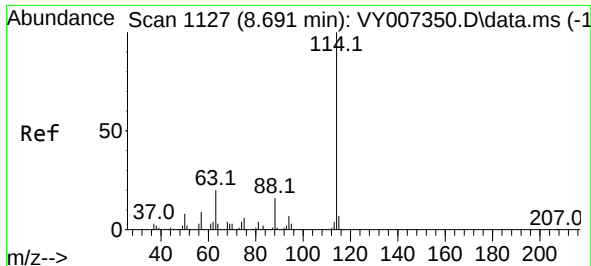
Tgt Ion: 56 Resp: 757
Ion Ratio Lower Upper
56 100
69 131.6 26.7 40.1#
84 108.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.653 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Tgt Ion: 65 Resp: 16185
Ion Ratio Lower Upper
65 100
67 52.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007394.D

Acq: 04 Feb 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

TR-08-020322

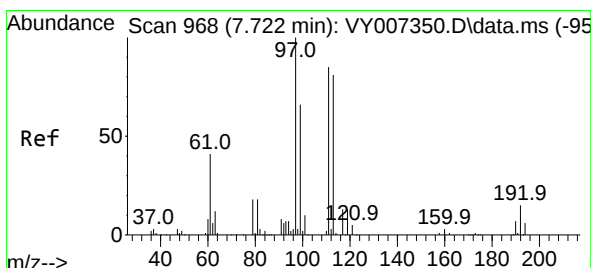
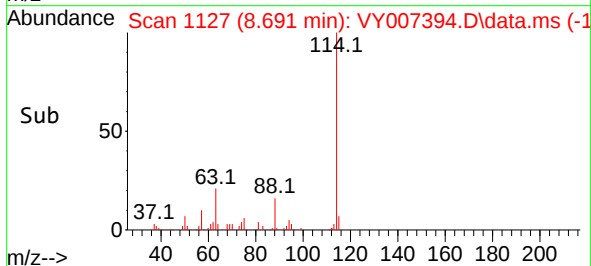
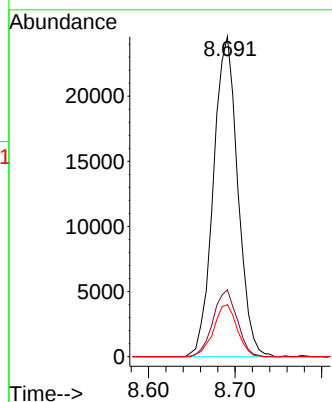
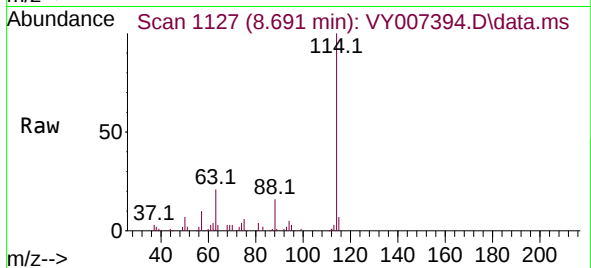
Tgt Ion:114 Resp: 48081

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 16.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.643 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY007394.D

Acq: 04 Feb 2022 15:03

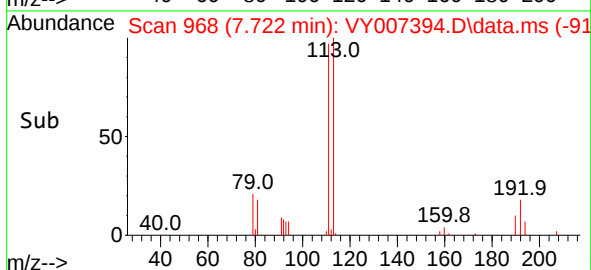
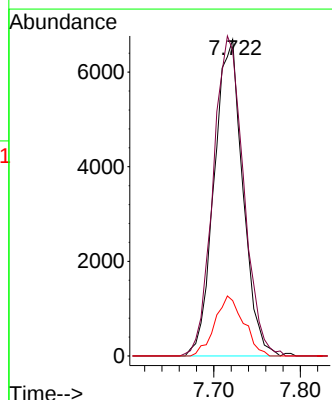
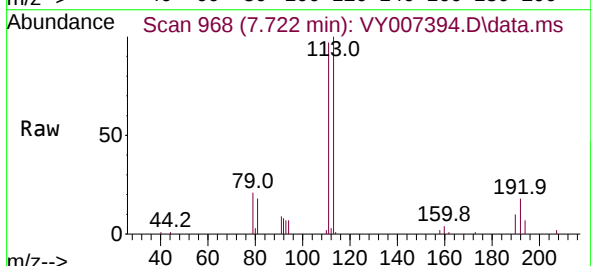
Tgt Ion:113 Resp: 15327

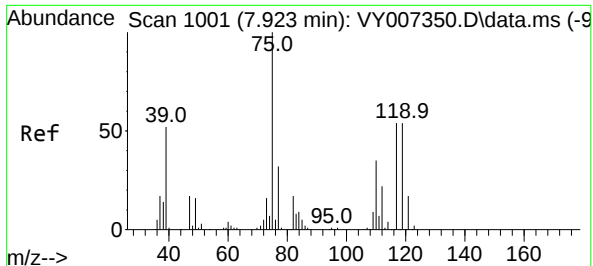
Ion Ratio Lower Upper

113 100

111 107.5 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.539 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY007394.D

Acq: 04 Feb 2022 15:03

Instrument :

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ClientSampleId :

TR-08-020322

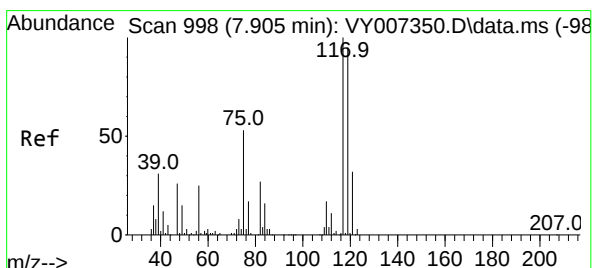
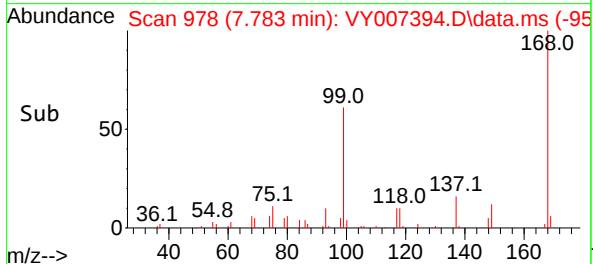
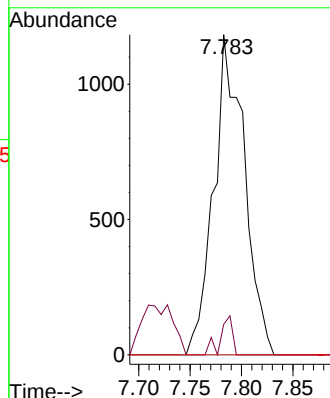
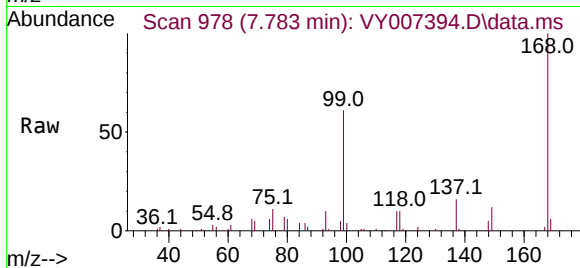
Tgt Ion: 75 Resp: 2450

Ion Ratio Lower Upper

75 100

110 4.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.079 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY007394.D

Acq: 04 Feb 2022 15:03

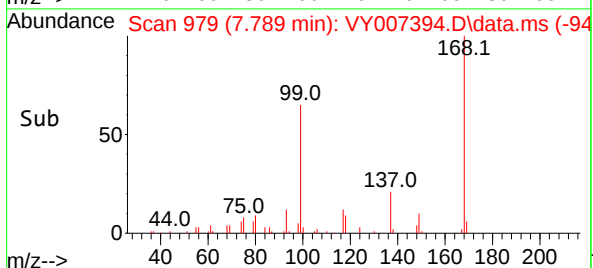
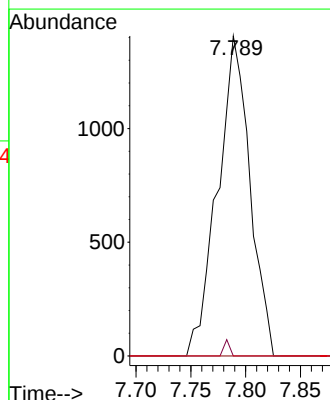
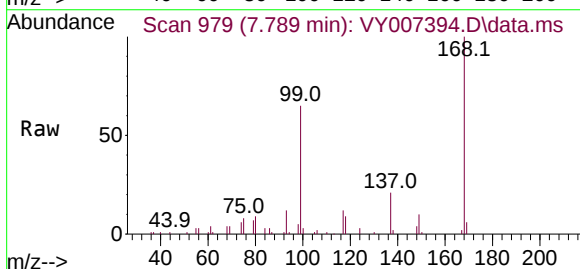
Tgt Ion: 117 Resp: 2880

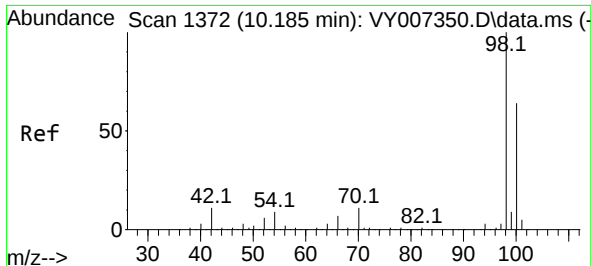
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

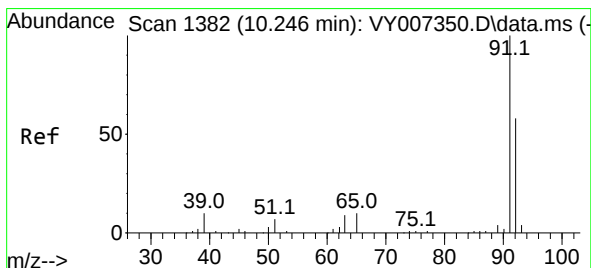
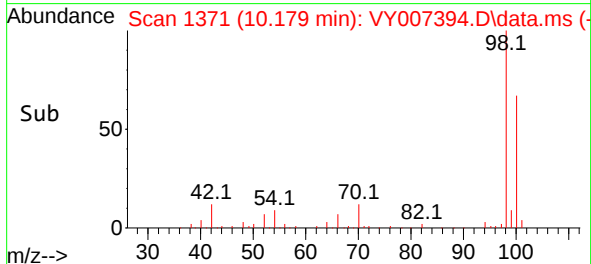
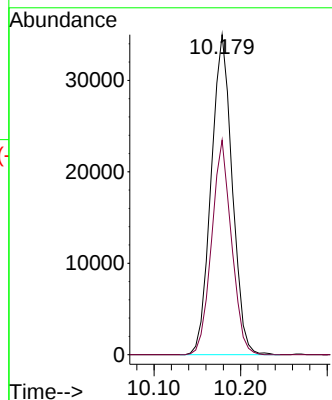
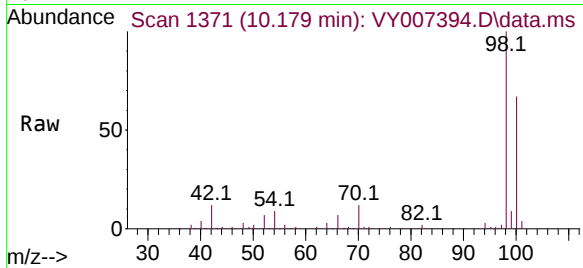




#50
Toluene-d8
Concen: 51.724 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

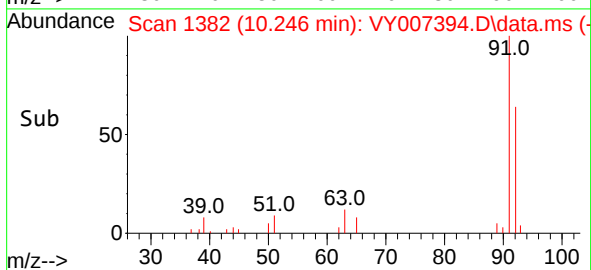
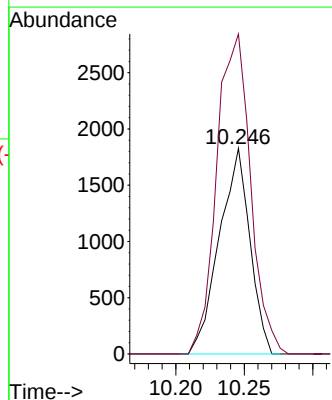
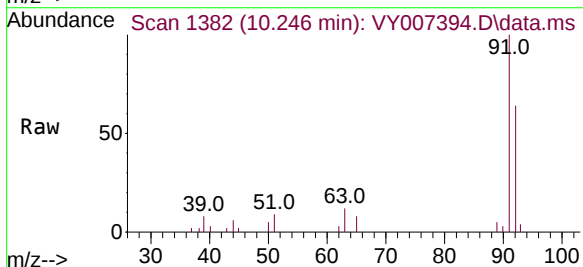
Instrument :
MSVOA_Y
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TR-08-020322

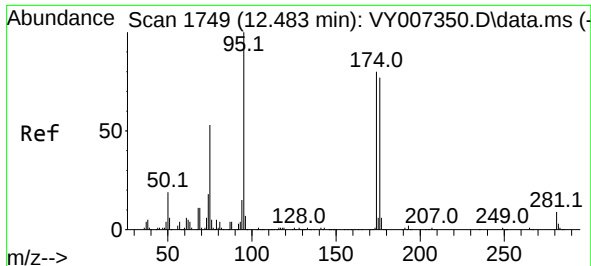
Tgt Ion: 98 Resp: 59000
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2



#52
Toluene
Concen: 3.155 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Tgt Ion: 92 Resp: 2844
Ion Ratio Lower Upper
92 100
91 171.4 142.6 213.8





#62

4-Bromofluorobenzene

Concen: 52.378 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007394.D

Acq: 04 Feb 2022 15:03

Instrument :

MSVOA_Y

ClientSampleId :

TR-08-020322

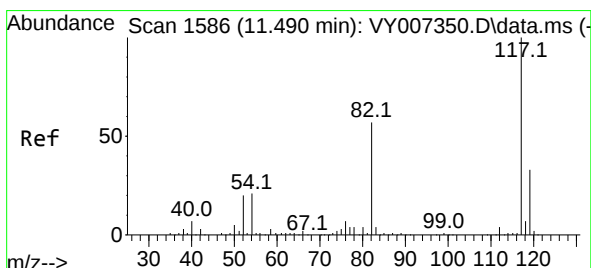
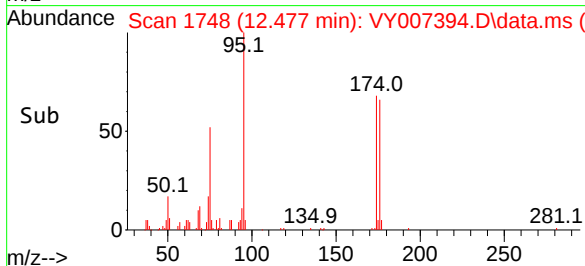
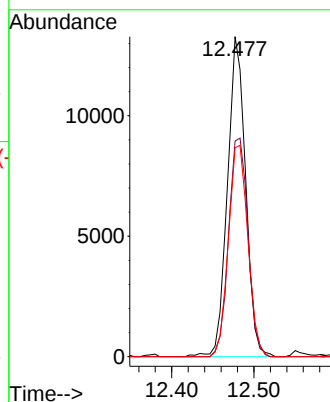
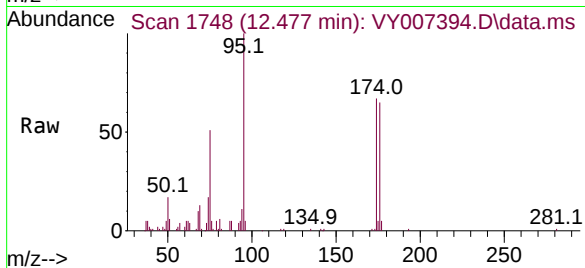
Tgt Ion: 95 Resp: 20307

Ion Ratio Lower Upper

95 100

174 72.7 0.0 177.0

176 70.7 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY007394.D

Acq: 04 Feb 2022 15:03

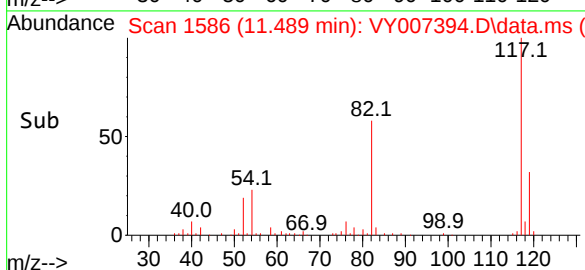
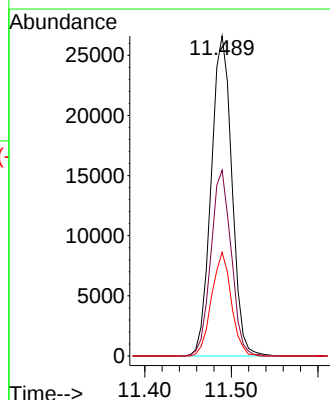
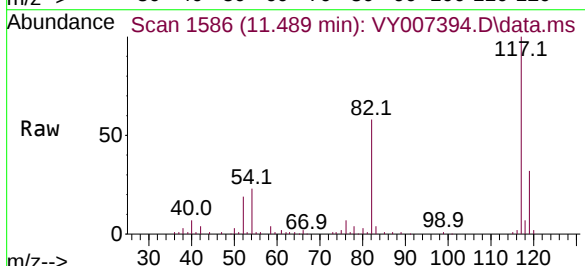
Tgt Ion: 117 Resp: 44206

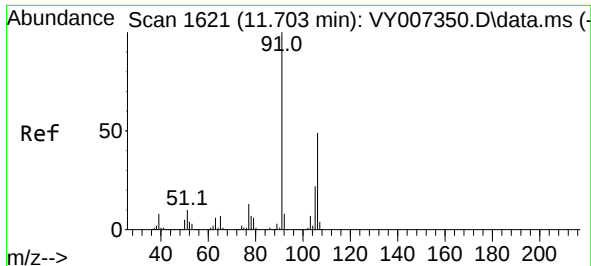
Ion Ratio Lower Upper

117 100

82 58.1 43.0 64.4

119 32.4 25.4 38.0

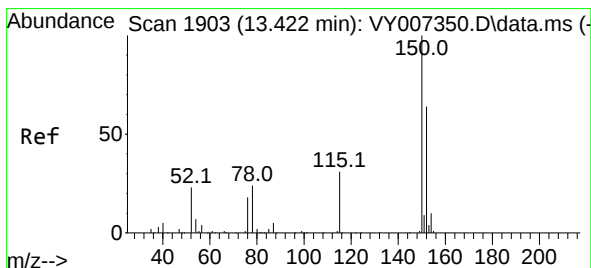
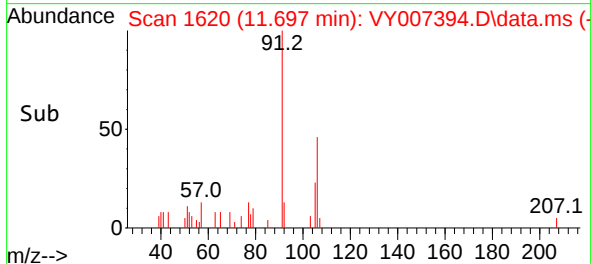
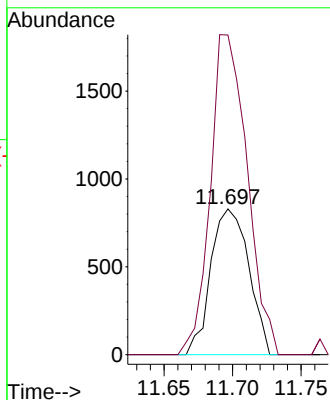
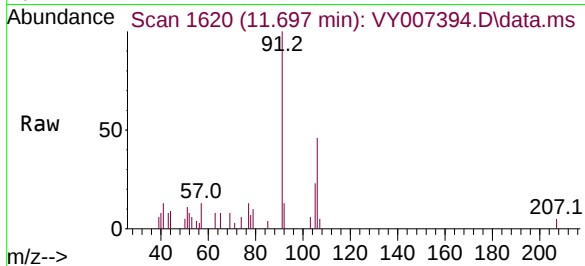




#68
m/p-Xylenes
Concen: 2.314 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

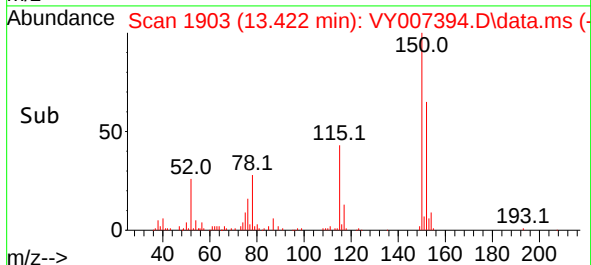
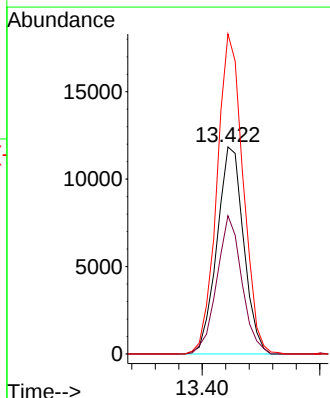
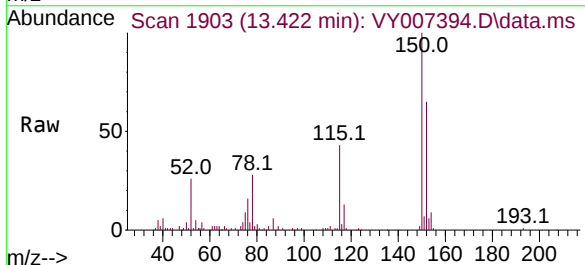
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-020322

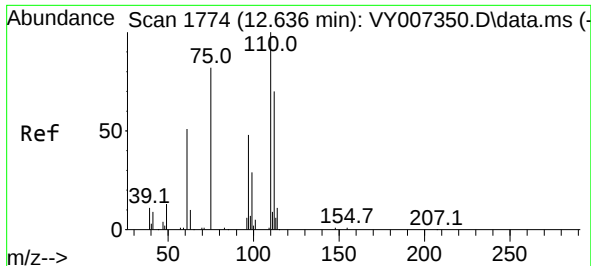
Tgt Ion:106 Resp: 1599
Ion Ratio Lower Upper
106 100
91 213.2 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Tgt Ion:152 Resp: 18680
Ion Ratio Lower Upper
152 100
115 62.7 28.2 84.7
150 151.3 0.0 347.6

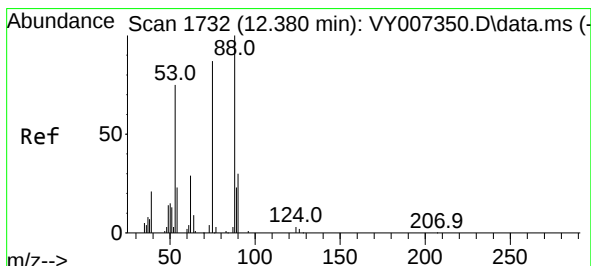
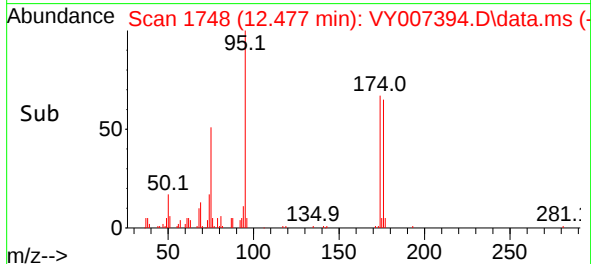
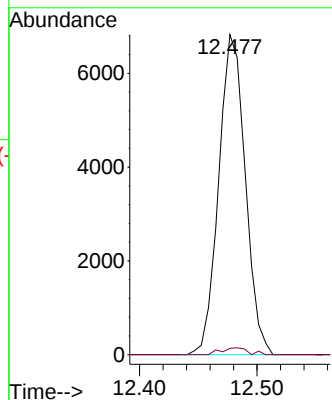
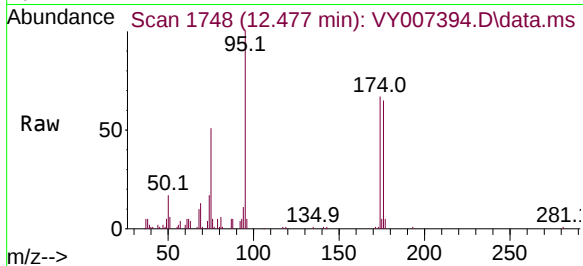




#76
1,2,3-Trichloropropane
Concen: 48.259 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Instrument :
MSVOA_Y
ClientSampleId :
TR-08-020322

Tgt Ion: 75 Resp: 10717
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.684 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007394.D
Acq: 04 Feb 2022 15:03

Tgt Ion: 75 Resp: 10717
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

