

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
 Data File : VY020391.D
 Acq On : 21 Nov 2024 16:53
 Operator : SY/MD
 Sample : P4925-03
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 00:26:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

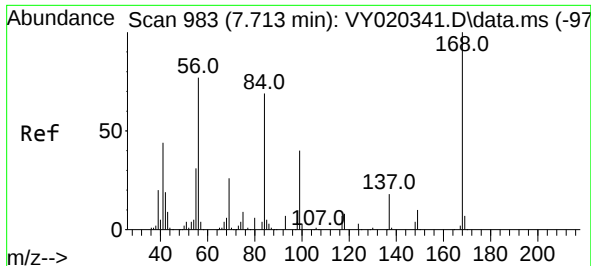
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	140167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	267278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	256062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90378	56.123	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.240%
35) Dibromofluoromethane	7.634	113	84343	49.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.420%
50) Toluene-d8	10.103	98	327616	48.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.408	95	115742	53.330	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	106.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	44	Below Cal	#	41
11) Tert butyl alcohol	4.872	59	217	1.090	ug/l #	73
13) Acrolein	3.665	56	190	1.905	ug/l #	40
16) Acetone	3.879	43	13437	34.806	ug/l	90
25) 2-Butanone	6.902	43	4688	9.433	ug/l #	81
31) Cyclohexane	7.707	56	3307	1.102	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	11854	4.528	ug/l #	52
37) Ethyl Acetate	6.902	43	4688	3.909	ug/l #	86
38) Carbon Tetrachloride	7.707	117	15236	5.575	ug/l #	15
55) 1,1,2-Trichloroethane	10.548	97	5328	4.279	ug/l #	21
56) Ethyl methacrylate	10.451	69	2374	1.269	ug/l #	1
59) 2-Hexanone	10.731	43	13578	16.203	ug/l #	30
73) Isopropylbenzene	12.255	105	11561	1.305	ug/l	99
74) N-amyl acetate	12.048	43	13104	6.119	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.481	83	3193	2.230	ug/l #	88
76) 1,2,3-Trichloropropane	12.408	75	64481	65.402	ug/l #	100
78) n-propylbenzene	12.597	91	16410	1.543	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.408	75	64481	128.151	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.176	105	23346	3.288	ug/l #	32
85) sec-Butylbenzene	13.176	105	23346	2.343	ug/l #	75
86) p-Isopropyltoluene	13.444	119	8817	1.145	ug/l	86
90) Hexachloroethane	13.889	117	3523	2.370	ug/l #	12

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

Quant Time: Nov 22 00:26:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

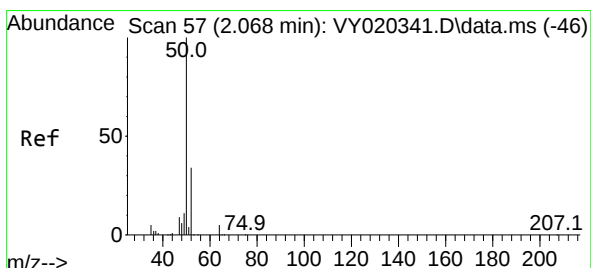
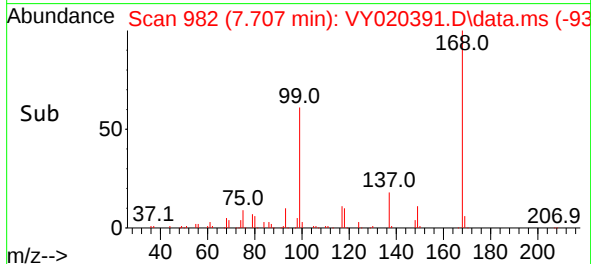
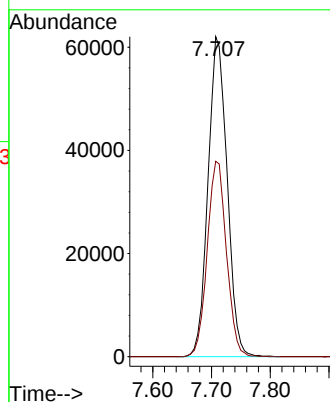
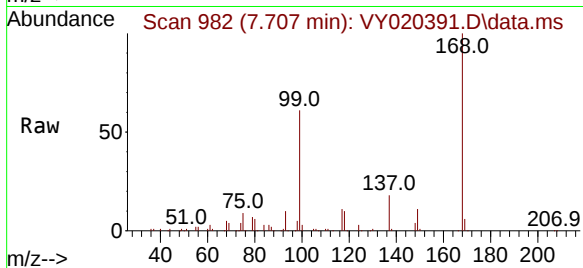




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

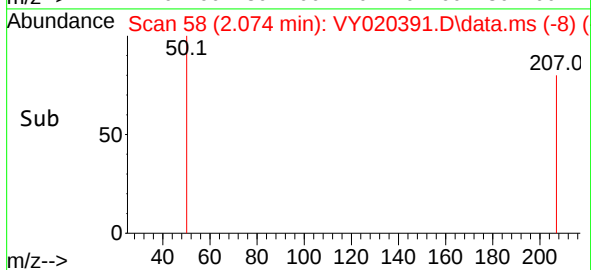
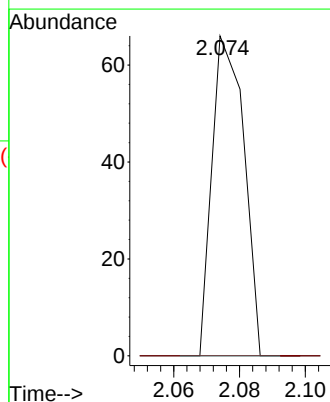
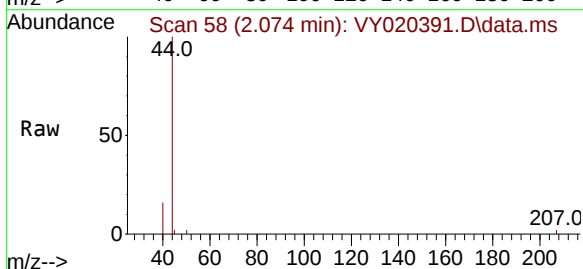
Instrument :
MSVOA_Y
ClientSampleId :

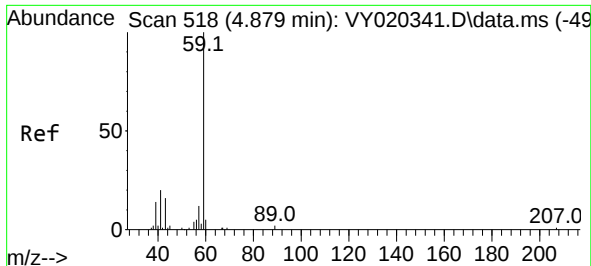
Tgt Ion:168 Resp: 140167
Ion Ratio Lower Upper
168 100
99 61.0 46.6 69.8



#3
Chloromethane
Concen: Below Cal
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion: 50 Resp: 44
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#





#11

Tert butyl alcohol

Concen: 1.090 ug/l

RT: 4.872 min Scan# 51

Delta R.T. -0.006 min

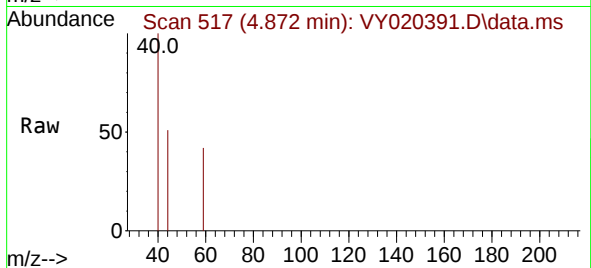
Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

Instrument :

MSVOA_Y

ClientSampleId :

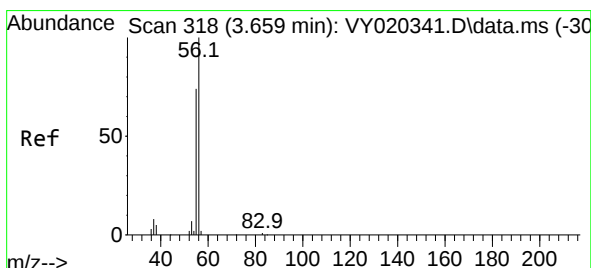
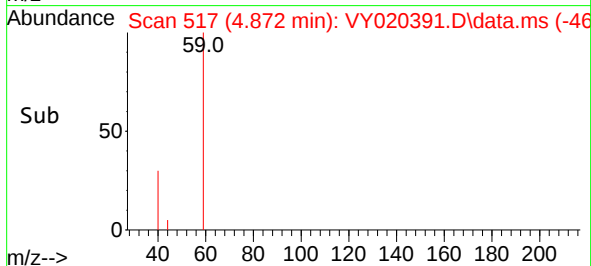
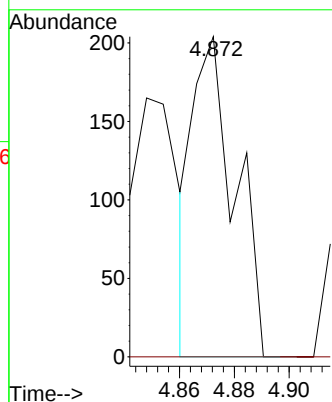


Tgt Ion: 59 Resp: 217

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 1.905 ug/l

RT: 3.665 min Scan# 319

Delta R.T. 0.006 min

Lab File: VY020391.D

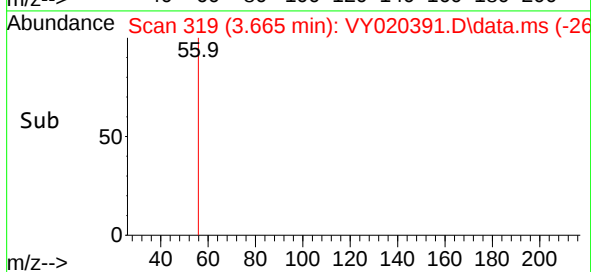
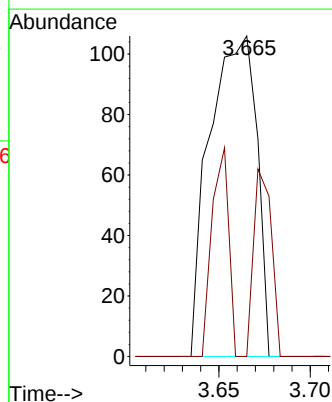
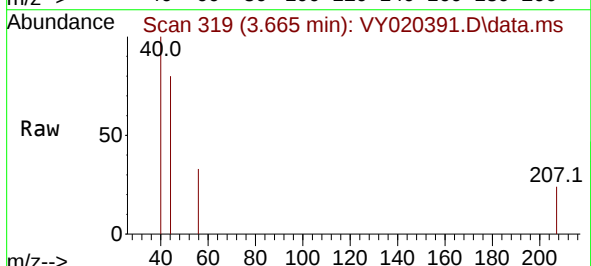
Acq: 21 Nov 2024 16:53

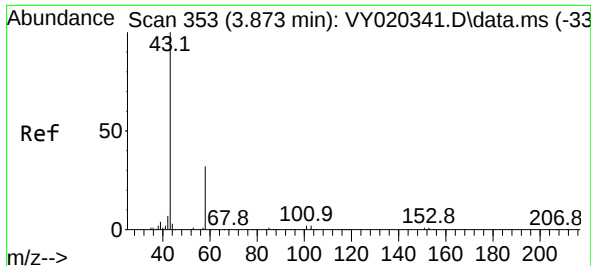
Tgt Ion: 56 Resp: 190

Ion Ratio Lower Upper

56 100

55 22.1 57.7 86.5#

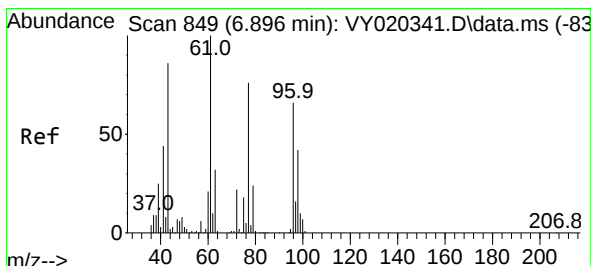
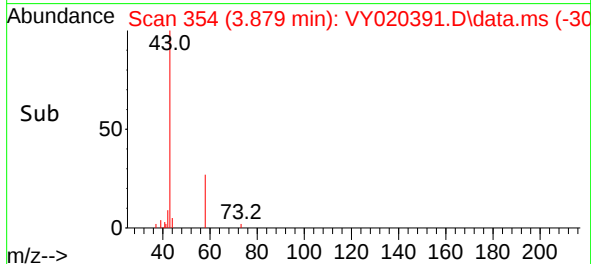
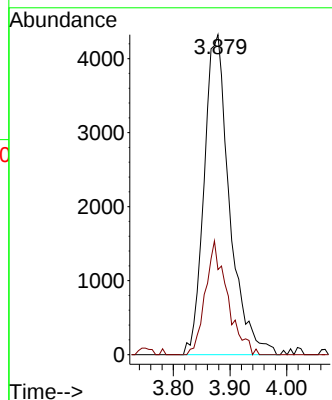
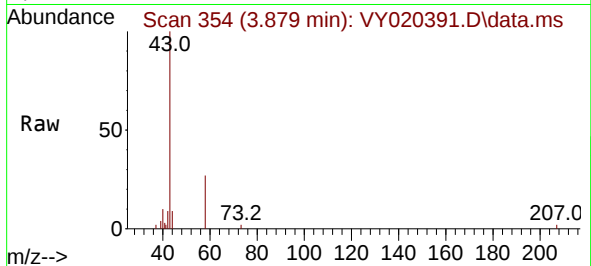




#16
Acetone
Concen: 34.806 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

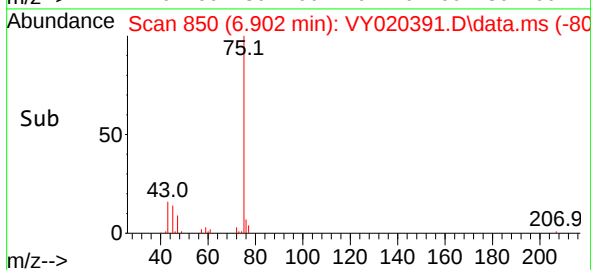
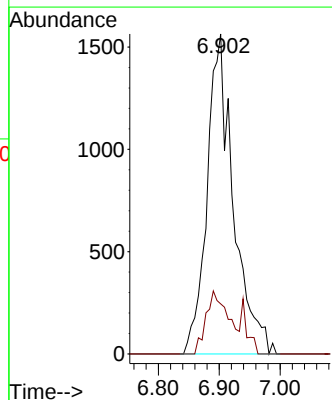
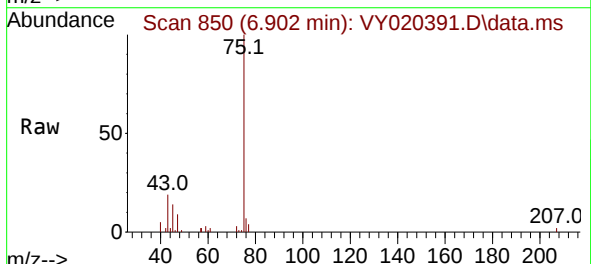
Instrument :
MSVOA_Y
ClientSampleId :

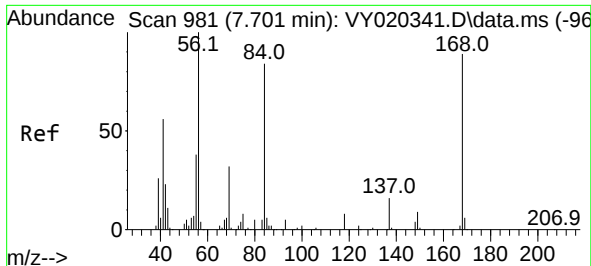
Tgt Ion: 43 Resp: 13437
Ion Ratio Lower Upper
43 100
58 26.6 25.7 38.5



#25
2-Butanone
Concen: 9.433 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion: 43 Resp: 4688
Ion Ratio Lower Upper
43 100
72 15.7 20.4 30.6#

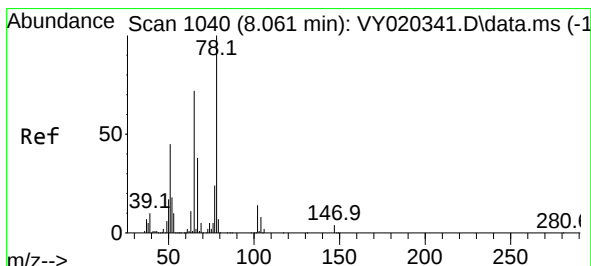
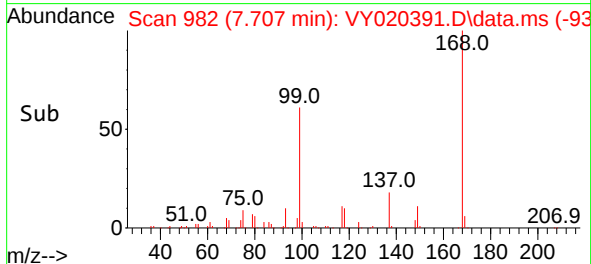
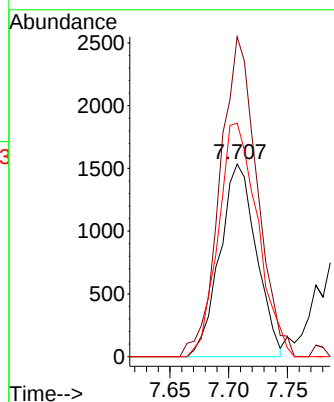
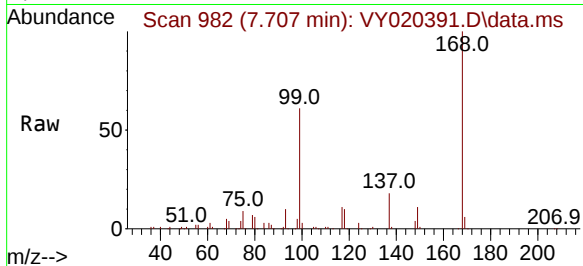




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

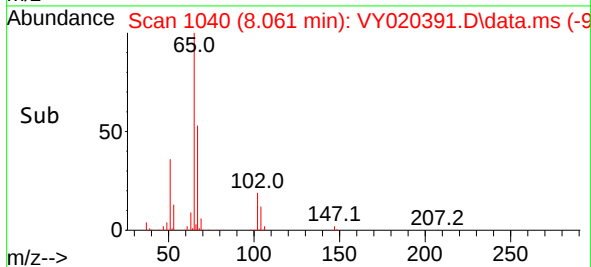
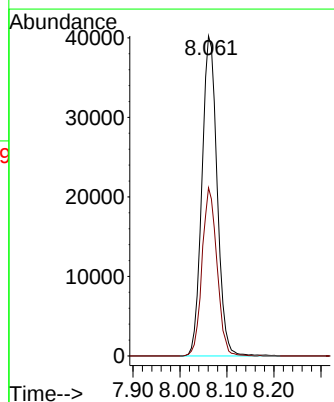
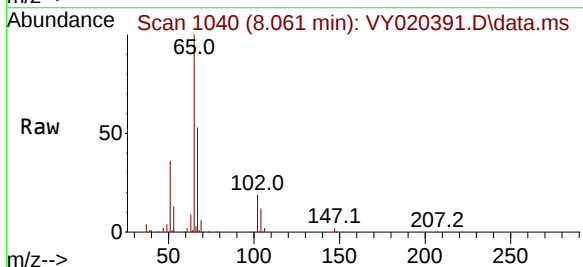
Instrument :
MSVOA_Y
ClientSampleId :

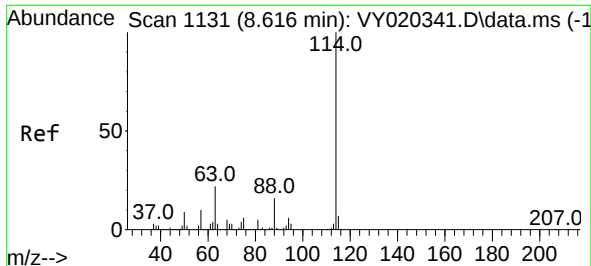
Tgt Ion: 56 Resp: 3307
Ion Ratio Lower Upper
56 100
69 166.1 25.3 37.9#
84 121.3 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 56.123 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion: 65 Resp: 90378
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

Instrument :

MSVOA_Y

ClientSampleId :

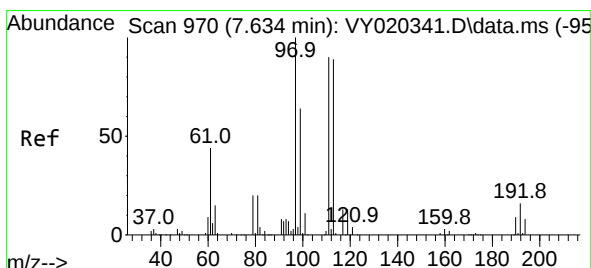
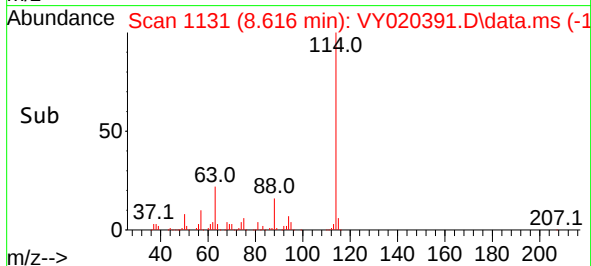
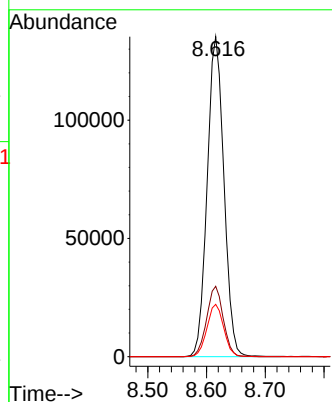
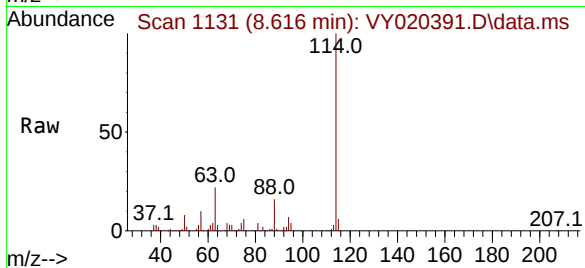
Tgt Ion:114 Resp: 267278

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.8

88 16.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.212 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

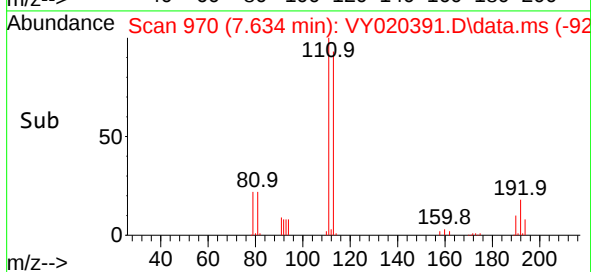
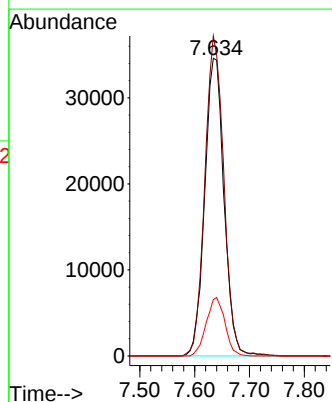
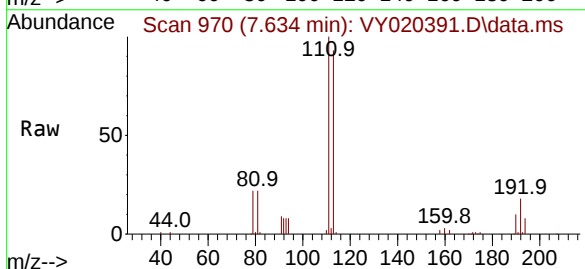
Tgt Ion:113 Resp: 84343

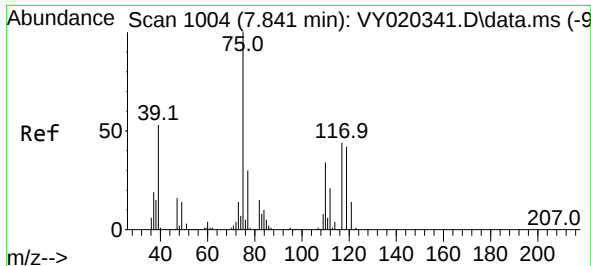
Ion Ratio Lower Upper

113 100

111 105.7 81.4 122.0

192 19.0 15.1 22.7

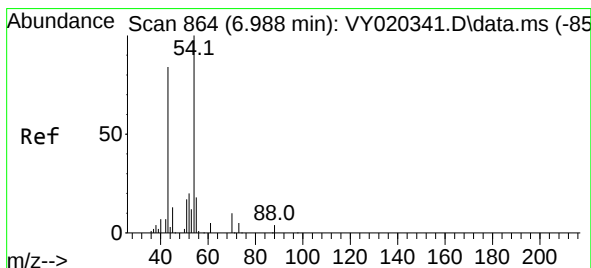
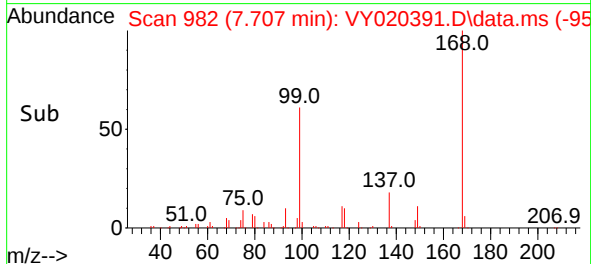
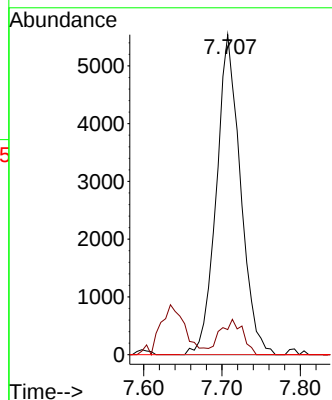
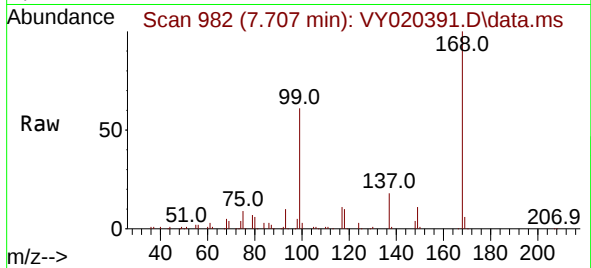




#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

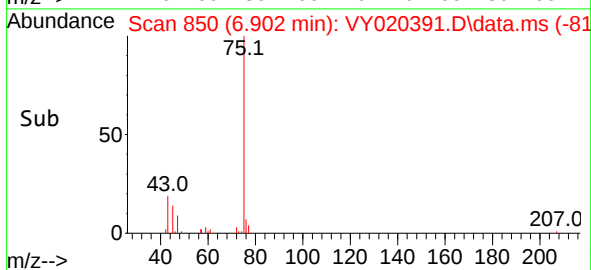
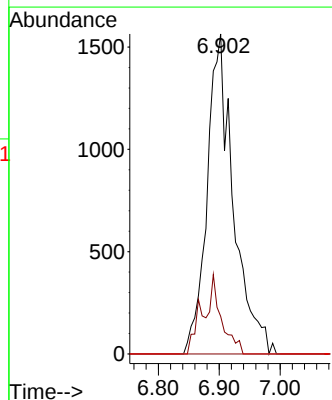
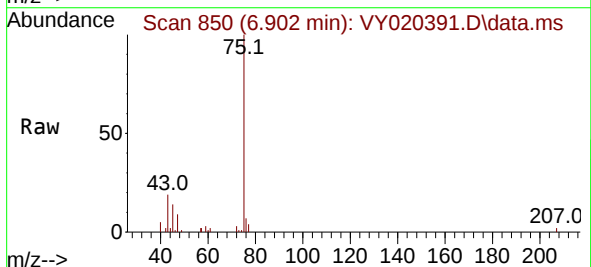
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MSVOA_Y
ClientSampleId :

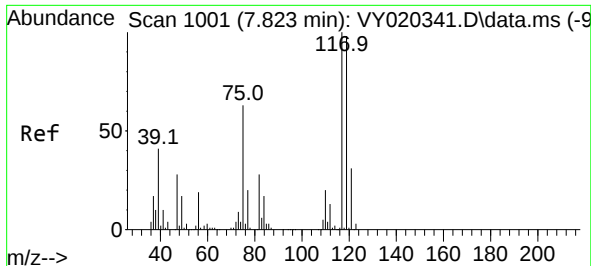
Tgt Ion: 75 Resp: 11854
Ion Ratio Lower Upper
75 100
110 10.3 16.7 50.0#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 3.909 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

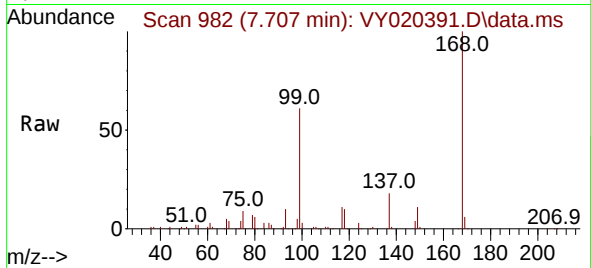
Tgt Ion: 43 Resp: 4688
Ion Ratio Lower Upper
43 100
61 11.0 10.7 16.1
70 0.0 7.3 10.9#



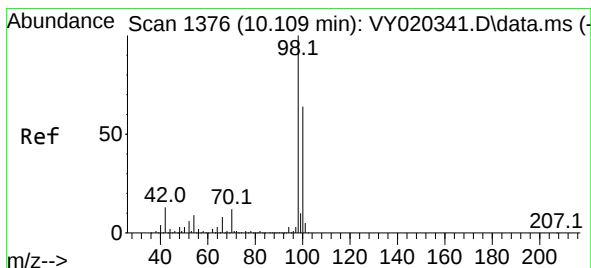
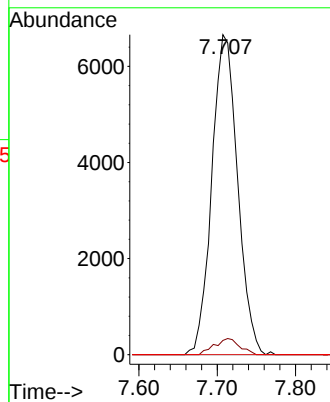
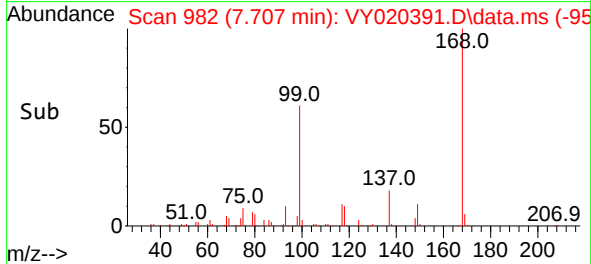


#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Instrument :
MSVOA_Y
ClientSampleId :

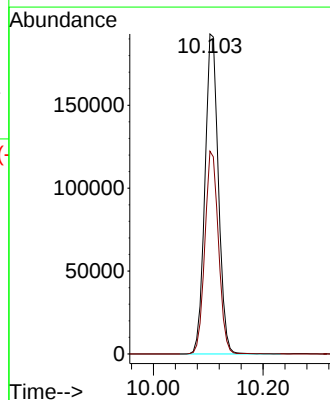
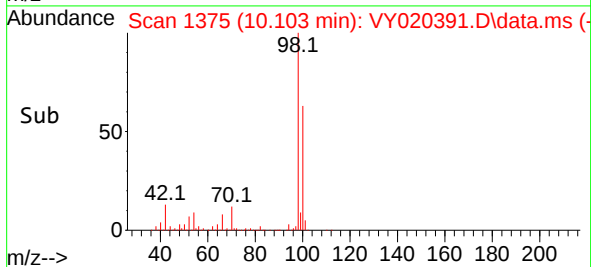
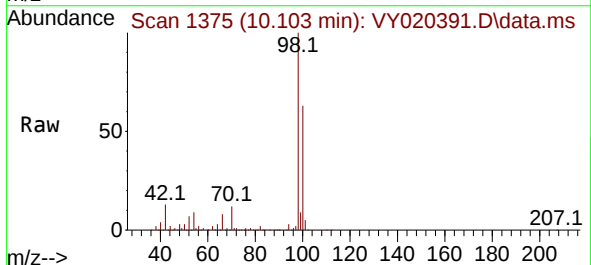


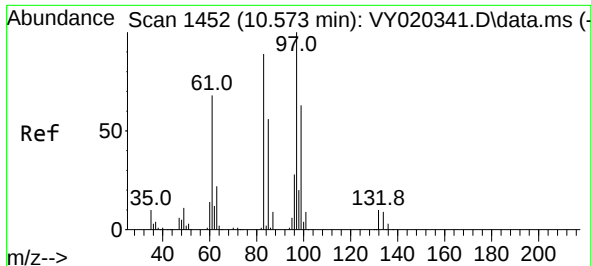
Tgt Ion:117 Resp: 15236
Ion Ratio Lower Upper
117 100
119 4.4 77.8 116.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.527 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

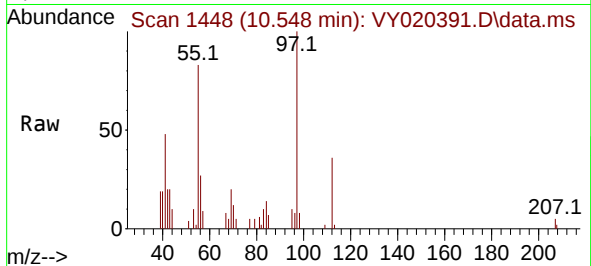
Tgt Ion: 98 Resp: 327616
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



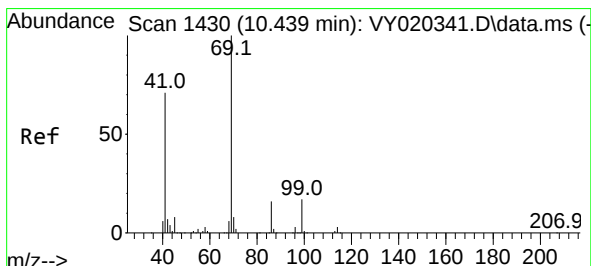
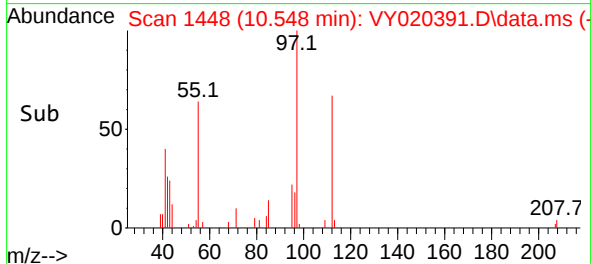
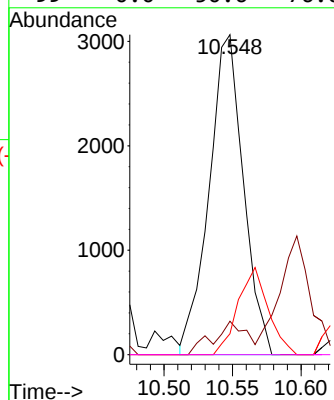


#55
1,1,2-Trichloroethane
Concen: 4.279 ug/l
RT: 10.548 min Scan# 1452
Delta R.T. -0.025 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Instrument :
MSVOA_Y
ClientSampleId :

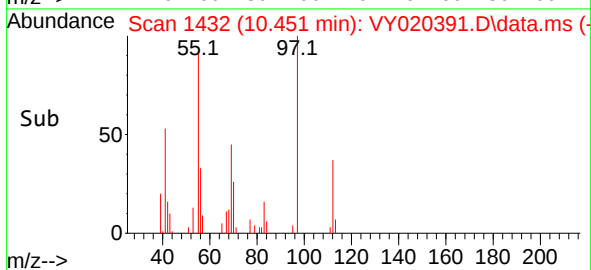
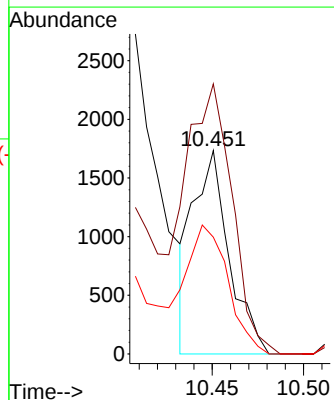
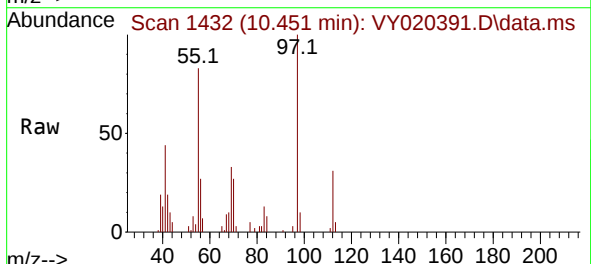


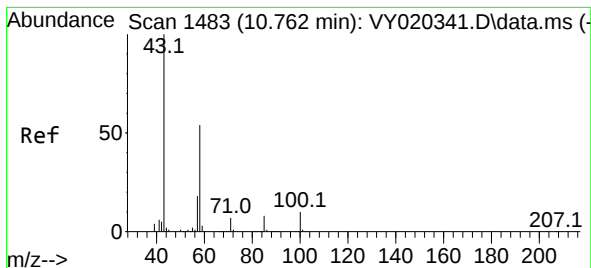
Tgt Ion: 97	Resp: 5328
Ion Ratio	Lower Upper
97 100	
83 10.4	70.8 106.2#
85 6.5	44.9 67.3#
99 0.0	50.6 76.0#



#56
Ethyl methacrylate
Concen: 1.269 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.012 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion: 69	Resp: 2374
Ion Ratio	Lower Upper
69 100	
41 170.0	56.1 84.1#
39 74.5	29.7 44.5#

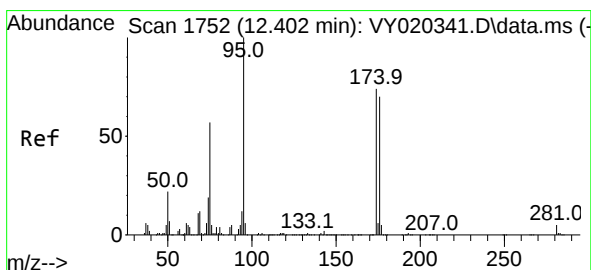
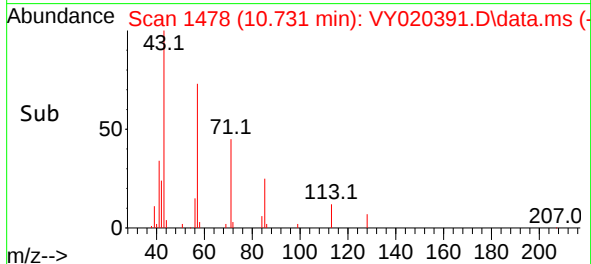
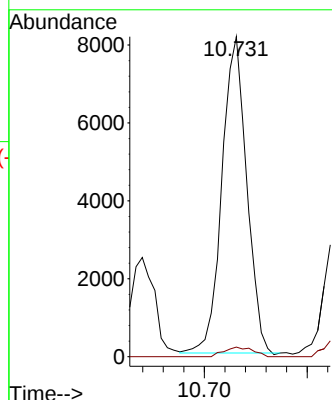
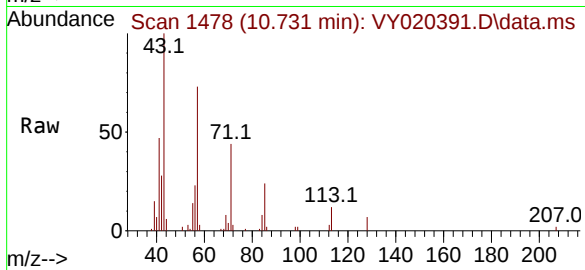




#59
2-Hexanone
Concen: 16.203 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.031 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

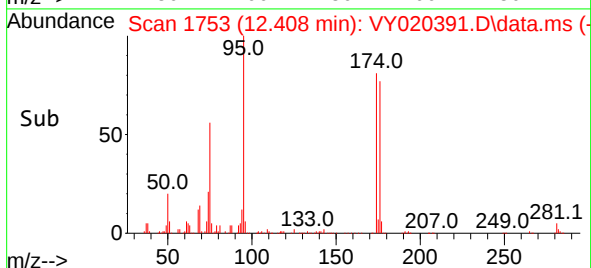
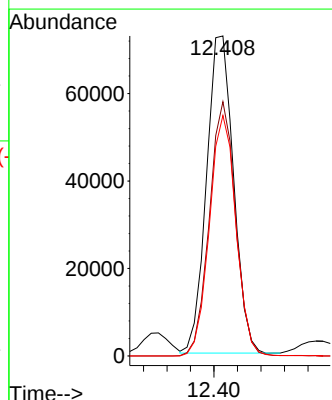
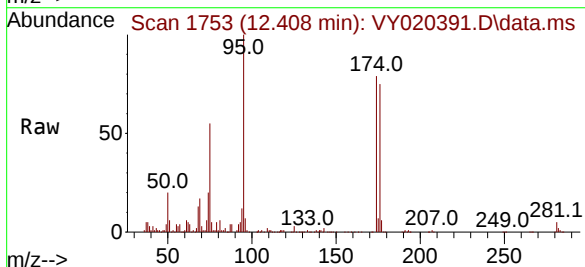
Instrument :
MSVOA_Y
ClientSampleId :

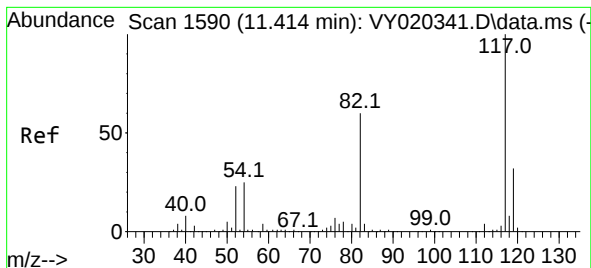
Tgt Ion: 43 Resp: 13578
Ion Ratio Lower Upper
43 100
58 3.5 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 53.330 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion: 95 Resp: 115742
Ion Ratio Lower Upper
95 100
174 77.9 0.0 156.8
176 74.5 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

Instrument :

MSVOA_Y

ClientSampleId :

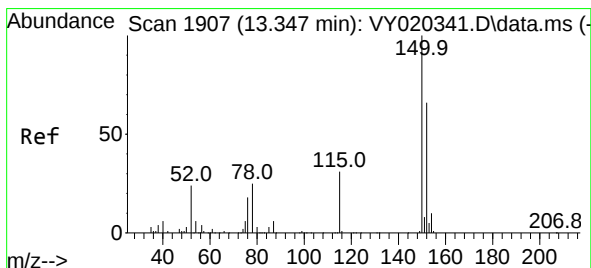
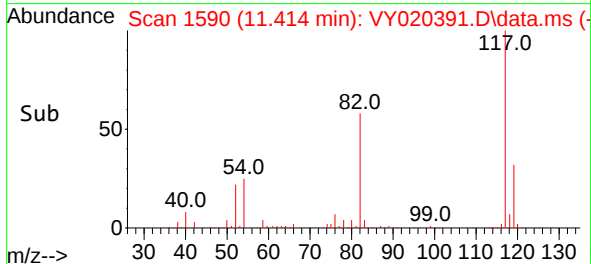
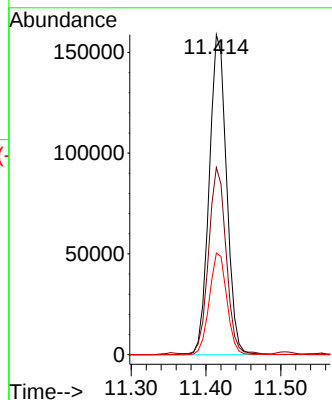
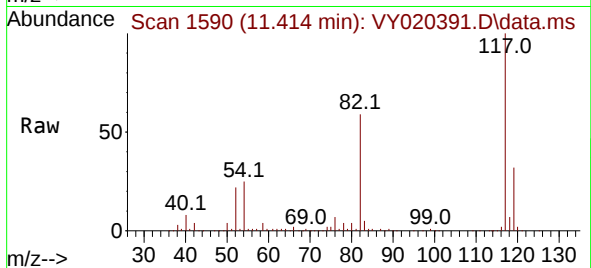
Tgt Ion:117 Resp: 256062

Ion Ratio Lower Upper

117 100

82 58.2 48.2 72.4

119 31.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

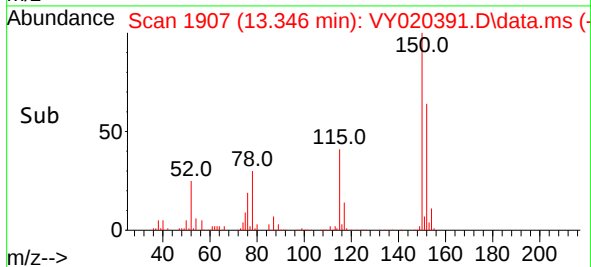
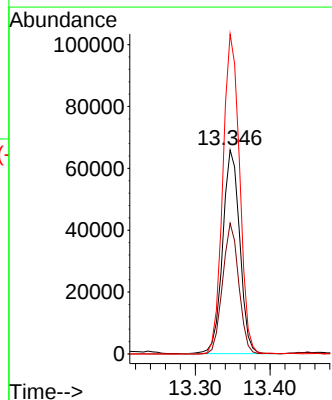
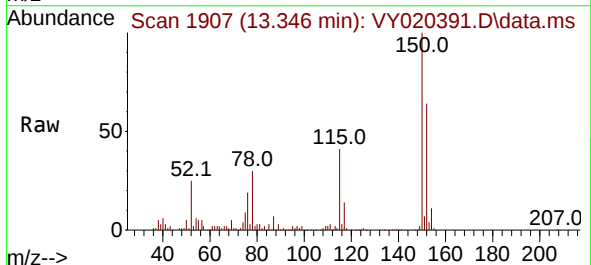
Tgt Ion:152 Resp: 104604

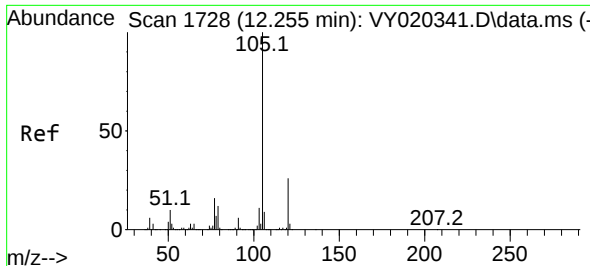
Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.0

150 154.0 0.0 348.2

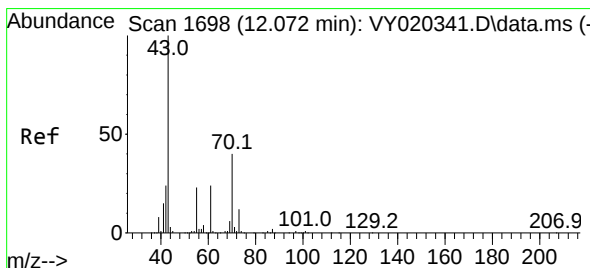
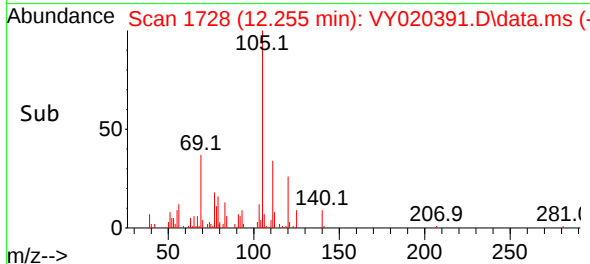
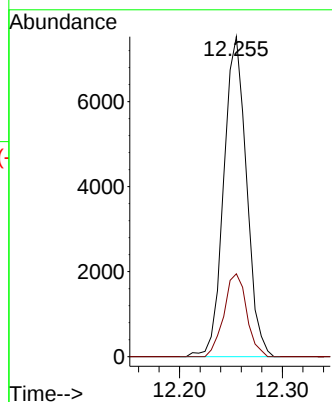
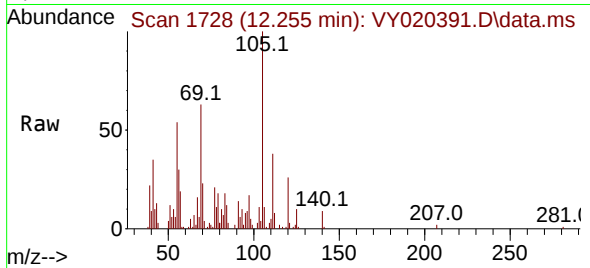




#73
Isopropylbenzene
Concen: 1.305 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

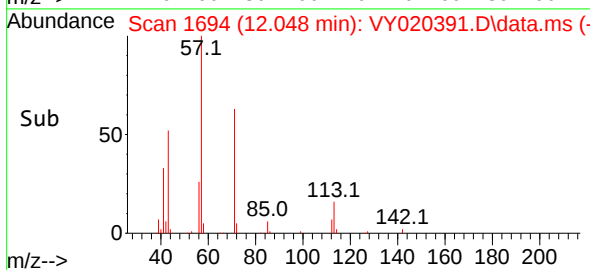
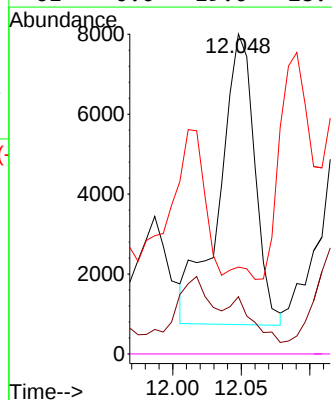
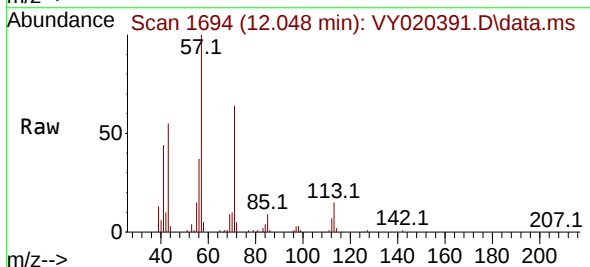
Instrument :
MSVOA_Y
ClientSampleId :

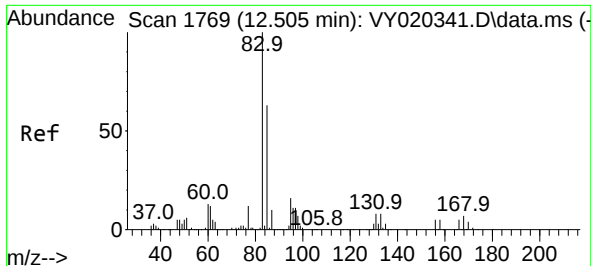
Tgt Ion:105 Resp: 11561
Ion Ratio Lower Upper
105 100
120 25.9 12.7 38.1



#74
N-ethyl acetate
Concen: 6.119 ug/l
RT: 12.048 min Scan# 1694
Delta R.T. -0.025 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion: 43 Resp: 13104
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 19.3 28.9#
61 0.0 19.0 28.4#

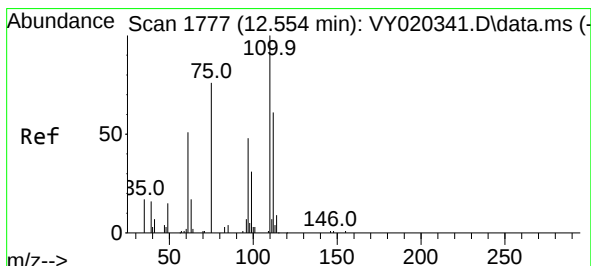
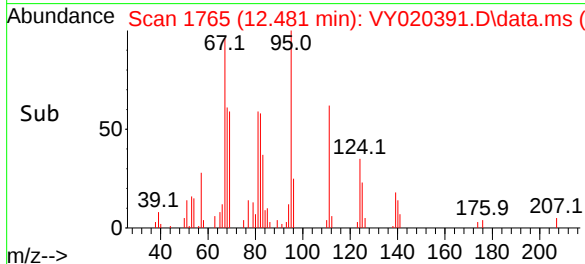
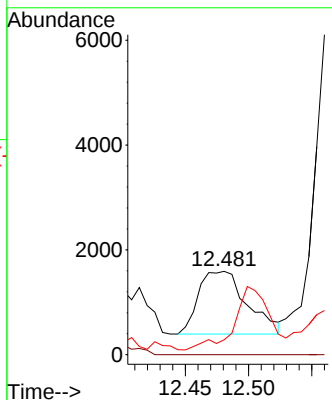
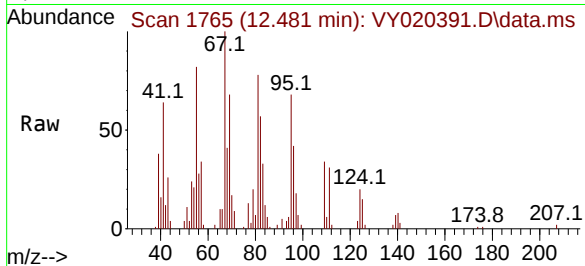




#75
1,1,2,2-Tetrachloroethane
Concen: 2.230 ug/l
RT: 12.481 min Scan# 1753
Delta R.T. -0.025 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

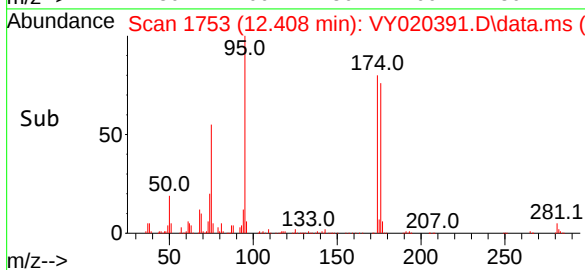
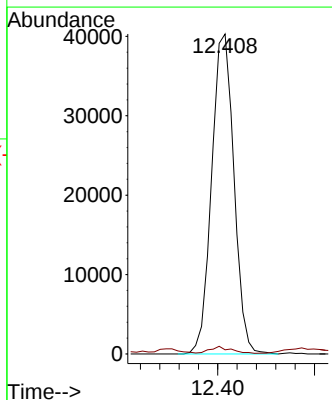
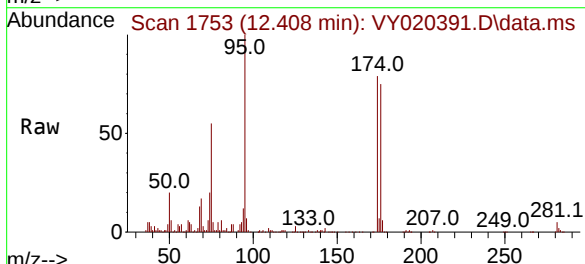
Instrument :
MSVOA_Y
ClientSampleId :

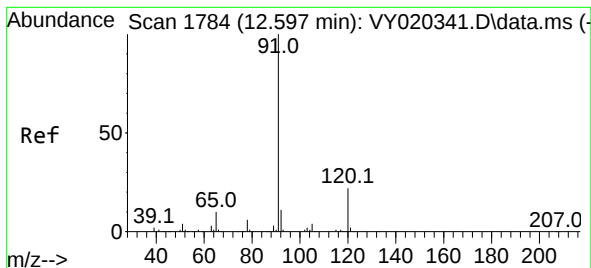
Tgt Ion: 83 Resp: 3193
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 71.9 32.0 96.0



#76
1,2,3-Trichloropropane
Concen: 65.402 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion: 75 Resp: 64481
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#





#78

n-propylbenzene

Concen: 1.543 ug/l

RT: 12.597 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

Instrument :

MSVOA_Y

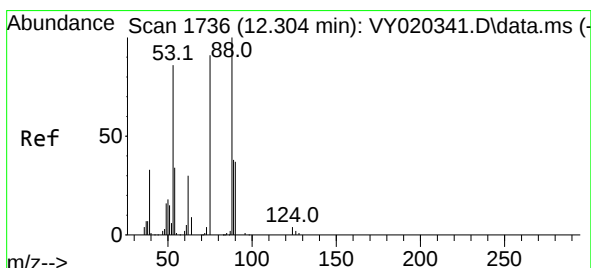
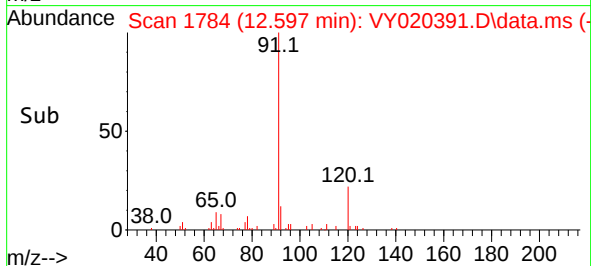
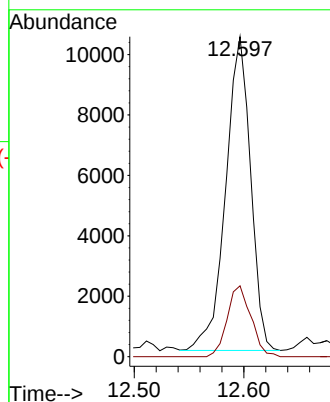
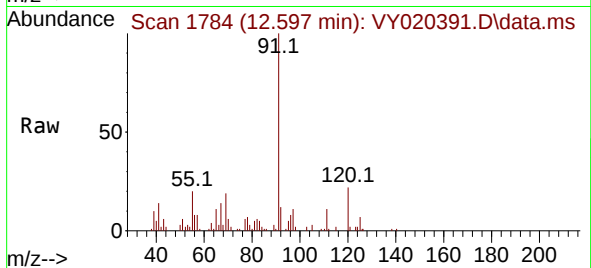
ClientSampleId :

Tgt Ion: 91 Resp: 16410

Ion Ratio Lower Upper

91 100

120 21.5 10.9 32.6



#81

trans-1,4-Dichloro-2-butene

Concen: 128.151 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.103 min

Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

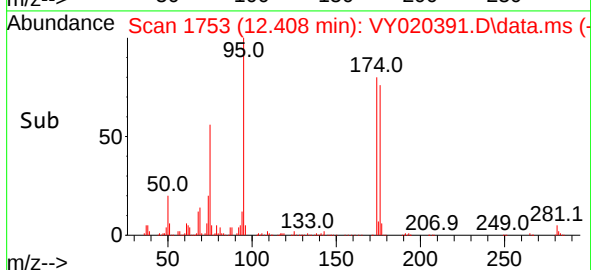
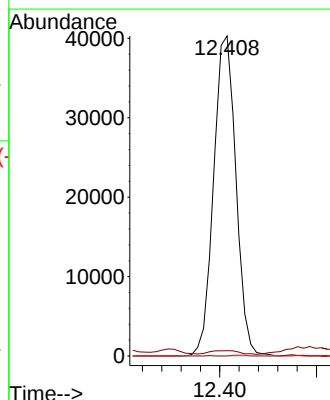
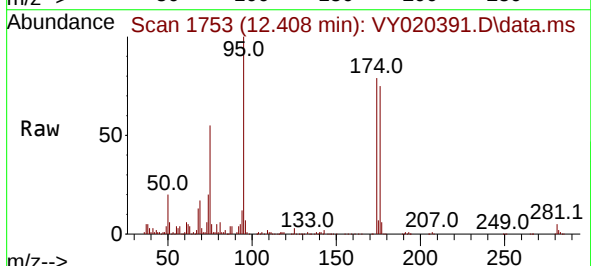
Tgt Ion: 75 Resp: 64481

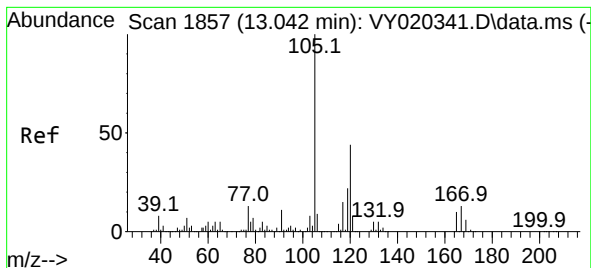
Ion Ratio Lower Upper

75 100

53 1.6 81.1 121.7#

89 0.2 35.1 52.7#





#84

1,2,4-Trimethylbenzene

Concen: 3.288 ug/l

RT: 13.176 min Scan# 1857

Delta R.T. 0.134 min

Lab File: VY020391.D

Acq: 21 Nov 2024 16:53

Instrument :

MSVOA_Y

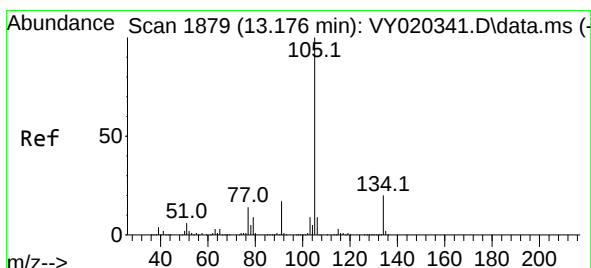
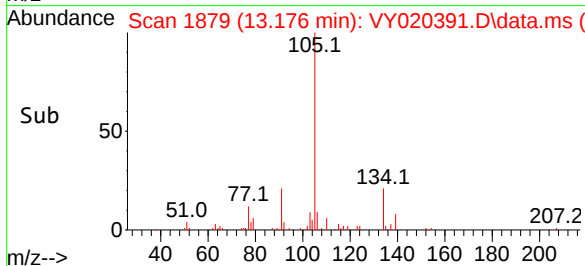
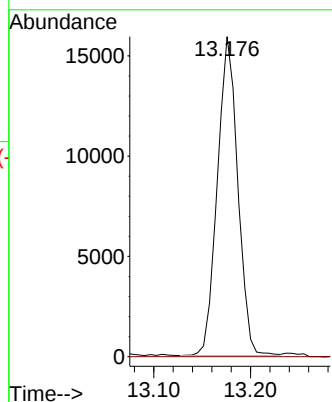
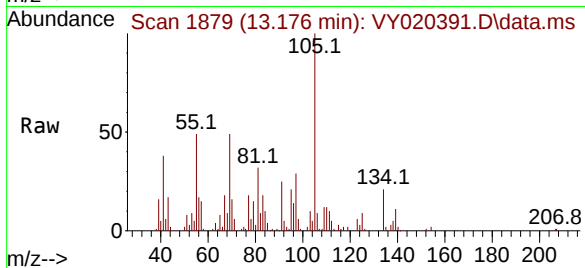
ClientSampleId :

Tgt Ion:105 Resp: 23346

Ion Ratio Lower Upper

105 100

120 0.0 22.0 66.0#



#85

sec-Butylbenzene

Concen: 2.343 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY020391.D

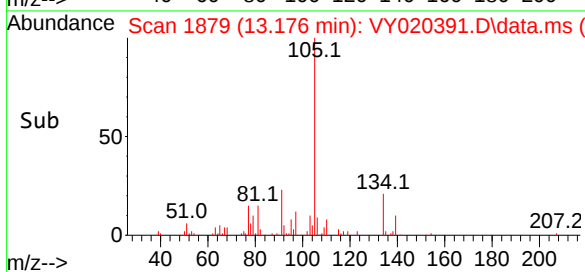
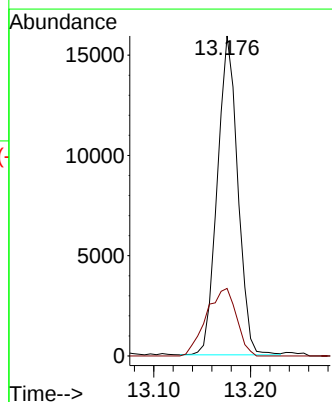
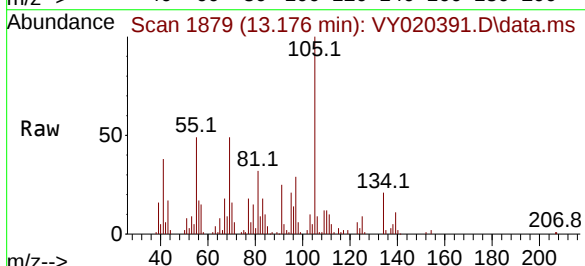
Acq: 21 Nov 2024 16:53

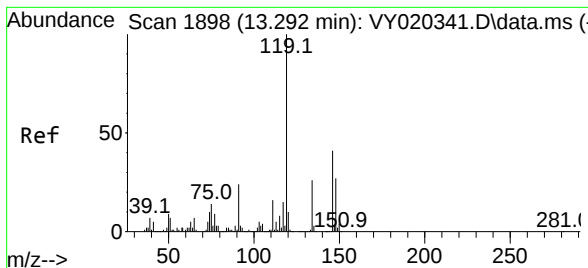
Tgt Ion:105 Resp: 23346

Ion Ratio Lower Upper

105 100

134 31.3 9.8 29.5#

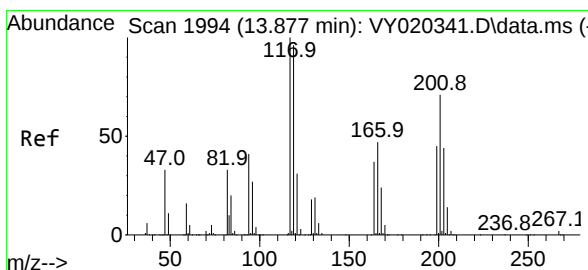
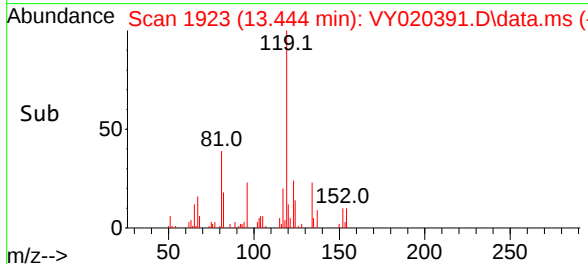
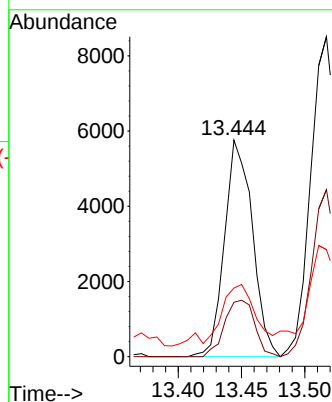
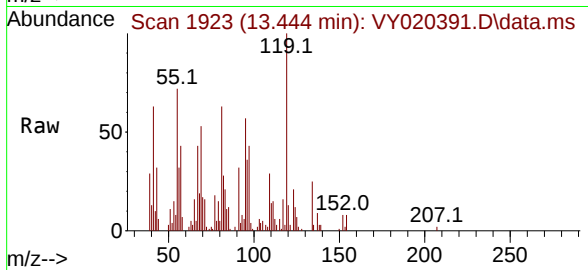




#86
p-Isopropyltoluene
Concen: 1.145 ug/l
RT: 13.444 min Scan# 1923
Delta R.T. 0.152 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:119 Resp: 8817
Ion Ratio Lower Upper
119 100
134 28.2 12.8 38.4
91 35.7 12.3 36.8



#90
Hexachloroethane
Concen: 2.370 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.012 min
Lab File: VY020391.D
Acq: 21 Nov 2024 16:53

Tgt Ion:117 Resp: 3523
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.3#

