

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001396.D
 Acq On : 24 Jan 2020 20:22
 Operator : SY/MD
 Sample : L1017-07
 Misc : 5.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-012420

Quant Time: Jan 25 03:53:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	4092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	8492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	8681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	3524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	3555	79.84	ug/l	0.00
Spiked Amount			Recovery	=	159.68%	
35) Dibromofluoromethane	7.75	113	2391	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.19	98	10233	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.49	95	4059	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	120	2.460	ug/l #	43
5) Bromomethane	2.69	94	101	2.949	ug/l #	73
6) Chloroethane	2.79	64	82	2.523	ug/l #	41
10) Methyl Iodide	4.13	142	194	3.550	ug/l #	57
14) Allyl chloride	4.53	41	78	1.007	ug/l #	25
16) Acetone	3.97	43	24593	2154.398	ug/l	98
18) Methyl Acetate	4.54	43	56	1.491	ug/l #	51
20) Methylene Chloride	4.77	84	334	2.006	ug/l #	73
25) 2-Butanone	7.02	43	26	1.342	ug/l #	49
29) Tetrahydrofuran	7.54	42	47	3.728	ug/l #	34
31) Cyclohexane	7.79	56	126	1.463	ug/l #	21
36) 1,1-Dichloropropene	7.82	75	297	3.702	ug/l #	41
37) Ethyl Acetate	7.13	43	104	2.122	ug/l #	68
38) Carbon Tetrachloride	7.81	117	394	5.510	ug/l #	12
39) Methylcyclohexane	9.19	83	665	6.470	ug/l #	51
41) Methacrylonitrile	7.36	41	50	1.977	ug/l #	100
43) Isopropyl Acetate	8.32	43	136	1.427	ug/l #	53
47) Bromodichloromethane	9.51	83	172	2.204	ug/l #	26
48) Methyl methacrylate	9.31	41	216	4.985	ug/l #	31
51) 4-Methyl-2-Pentanone	10.07	43	116	2.363	ug/l #	36
52) Toluene	10.25	92	7236	47.452	ug/l	100
55) 1,1,2-Trichloroethane	10.61	97	72	1.494	ug/l #	1
56) Ethyl methacrylate	10.50	69	112	1.538	ug/l #	80
57) 1,3-Dichloropropane	10.97	76	301	3.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	59	2.341	ug/l #	47
59) 2-Hexanone	10.86	43	110	3.219	ug/l	96
60) Dibromochloromethane	11.05	129	221	4.101	ug/l	79
61) 1,2-Dibromoethane	11.16	107	251	5.510	ug/l	93
65) Chlorobenzene	11.52	112	271	1.481	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.55	131	101	1.617	ug/l #	38
67) Ethyl Benzene	11.60	91	763	2.263	ug/l #	75
68) m/p-Xylenes	11.70	106	569	4.518	ug/l #	38
69) o-Xylene	12.02	106	234	1.931	ug/l	73
74) N-amyl acetate	12.17	43	101	1.110	ug/l #	43

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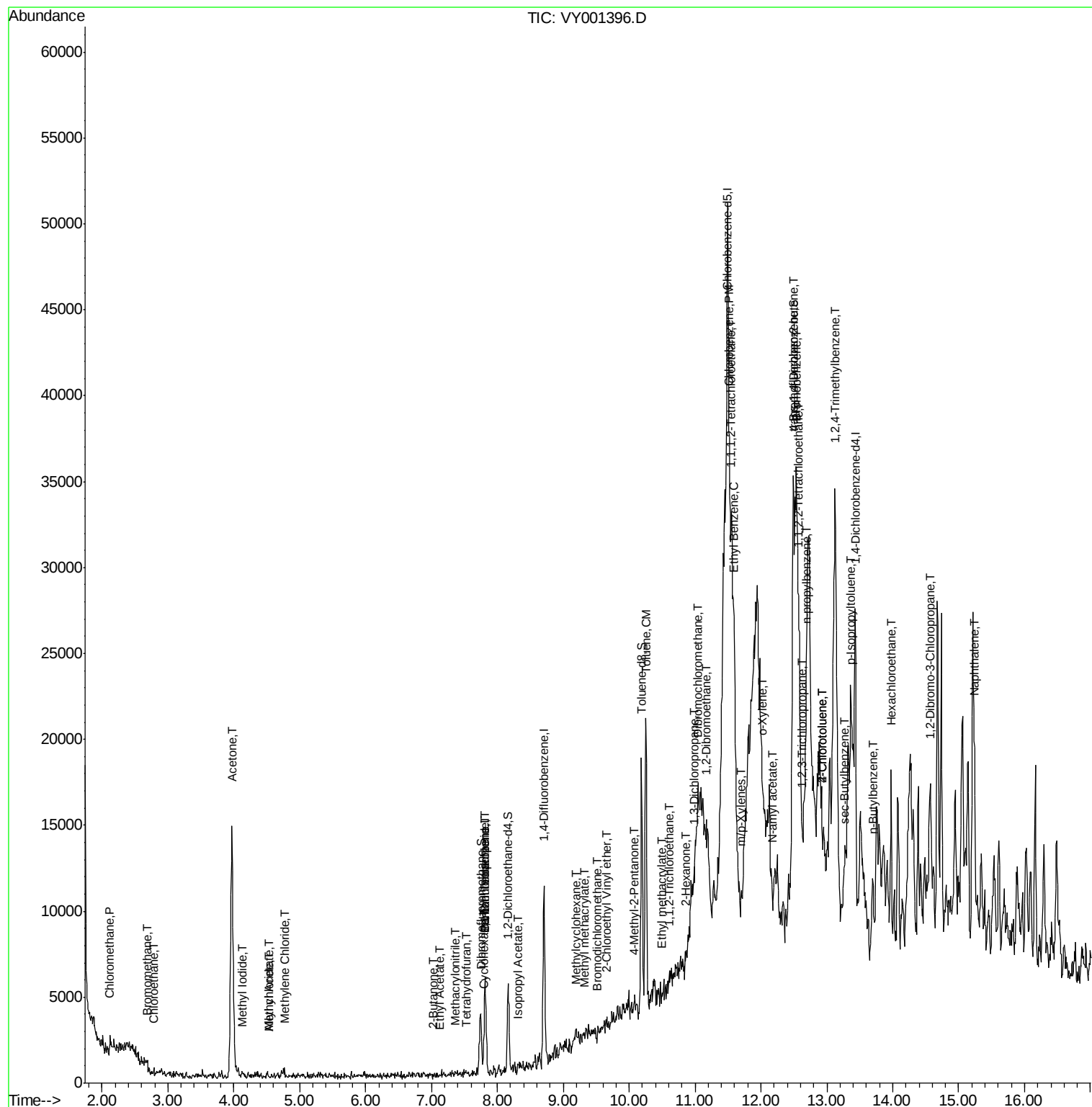
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	12.57	83	338	5.676	ug/l #	86
76) 1,2,3-Trichloropropane	12.63	75	105	2.473	ug/l #	100
77) Bromobenzene	12.54	156	35571	577.539	ug/l #	1
78) n-propylbenzene	12.68	91	1211	3.618	ug/l	93
79) 2-Chlorotoluene	12.93	91	263	1.375	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.49	75	2418	107.756	ug/l #	25
82) 4-Chlorotoluene	12.93	91	263	1.288	ug/l	93
84) 1,2,4-Trimethylbenzene	13.12	105	1517	6.510	ug/l	75
85) sec-Butylbenzene	13.25	105	965	3.471	ug/l	91
86) p-Isopropyltoluene	13.38	119	398	1.625	ug/l #	60
89) n-Butylbenzene	13.70	91	1691	6.859	ug/l #	83
90) Hexachloroethane	13.97	117	512	11.026	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.57	75	464	45.152	ug/l #	10
95) Naphthalene	15.24	128	7121	42.416	ug/l #	85

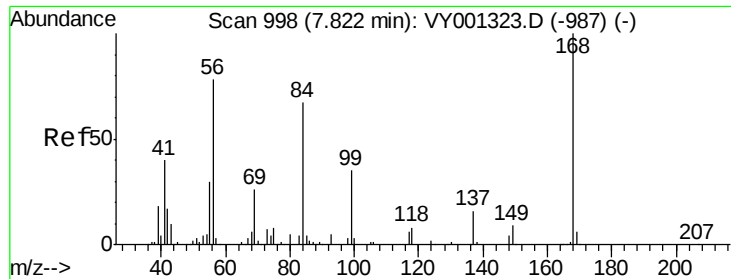
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

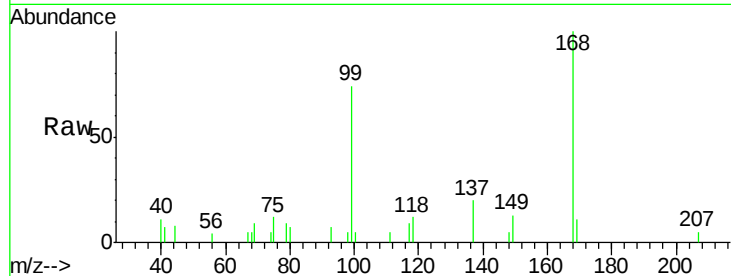
TR-04-012420

Tot Ion:168 Resp: 4092

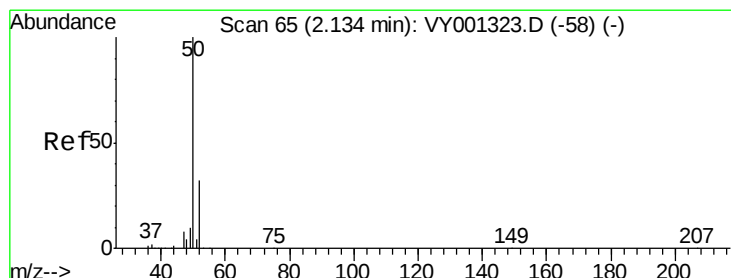
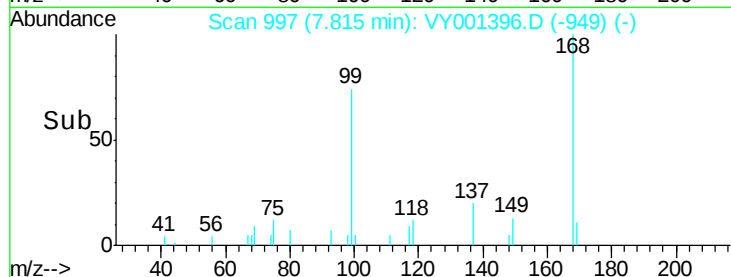
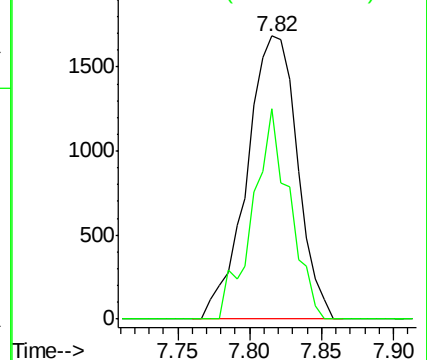
Ion Ratio Lower Upper

168 100

99 74.3 44.3 66.5#



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)



#3

Chloromethane

Concen: 2.460 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.02 min

Lab File: VY001396.D

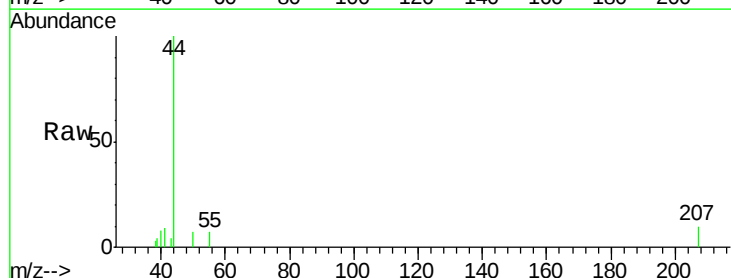
Acq: 24 Jan 2020 20:22

Tgt Ion: 50 Resp: 120

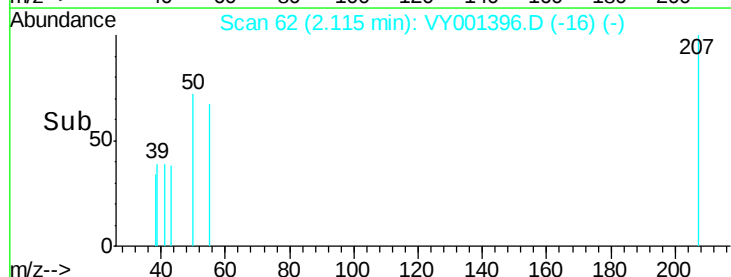
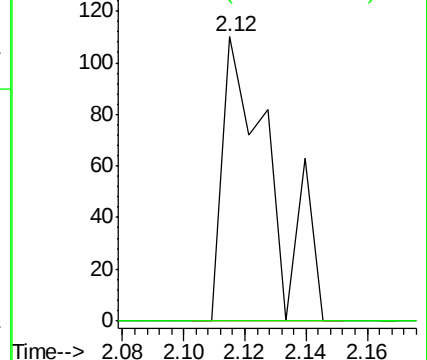
Ion Ratio Lower Upper

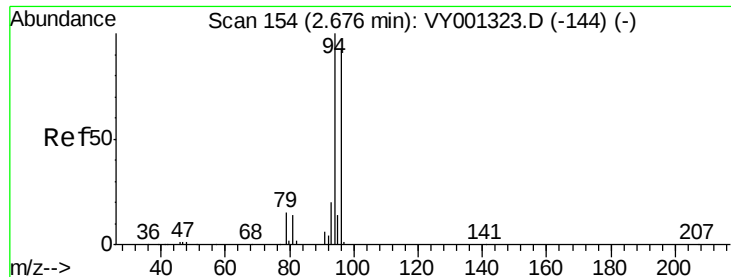
50 100

52 0.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VY001323.D (-58) (-)





#5

Bromomethane

Concen: 2.949 ug/l

RT: 2.69 min Scan# 156

Delta R.T. 0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

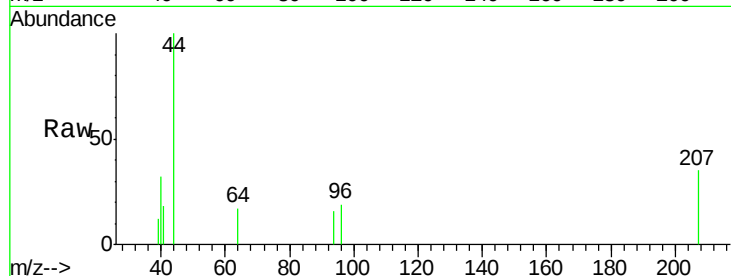
TR-04-012420

Tot Ion: 94 Resp: 101

Ion Ratio Lower Upper

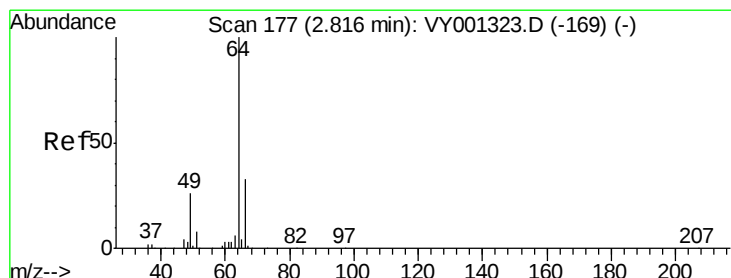
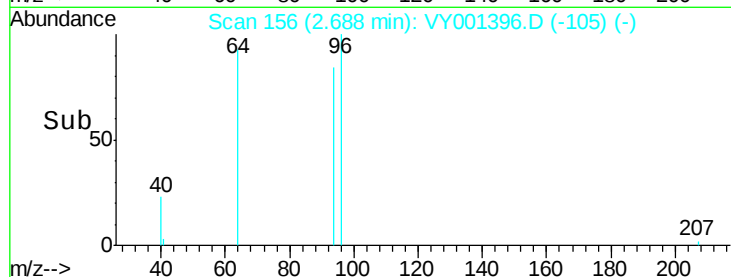
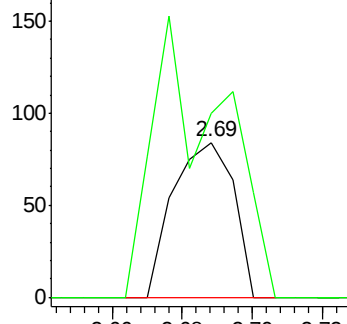
94 100

96 119.0 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 2.523 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.03 min

Lab File: VY001396.D

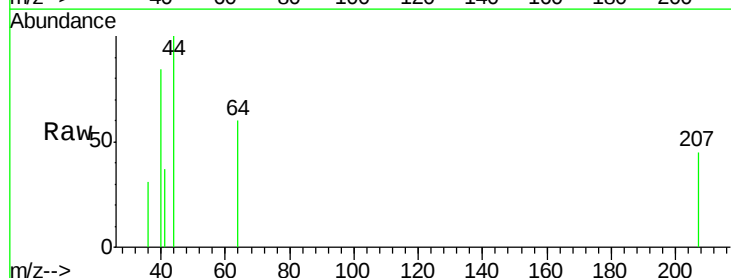
Acq: 24 Jan 2020 20:22

Tgt Ion: 64 Resp: 82

Ion Ratio Lower Upper

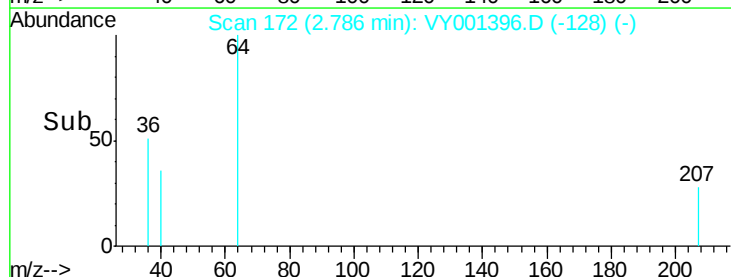
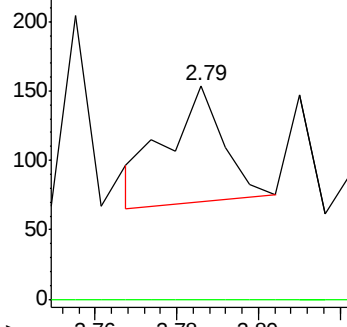
64 100

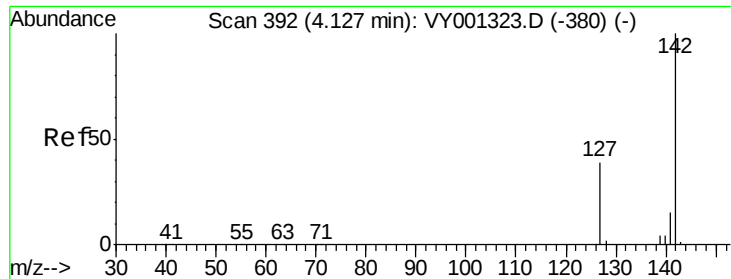
66 0.0 26.8 40.2#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

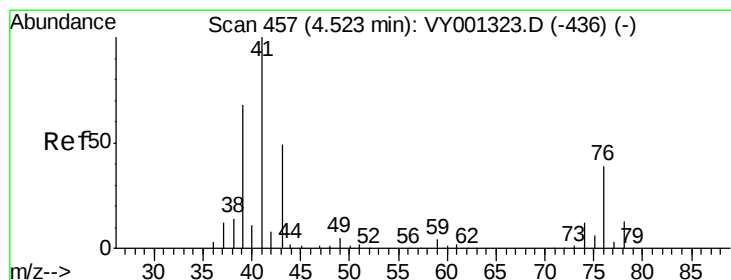
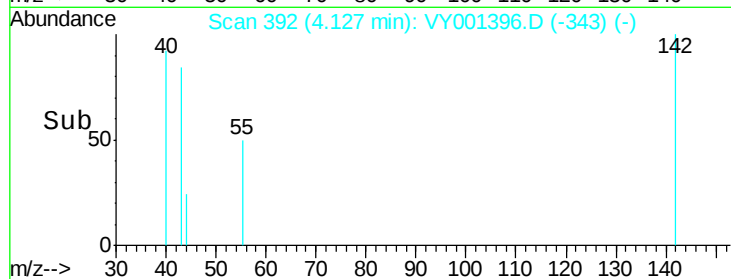
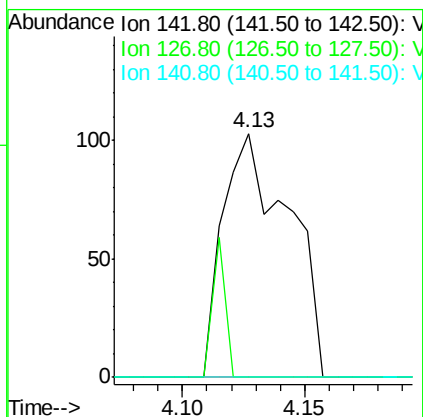
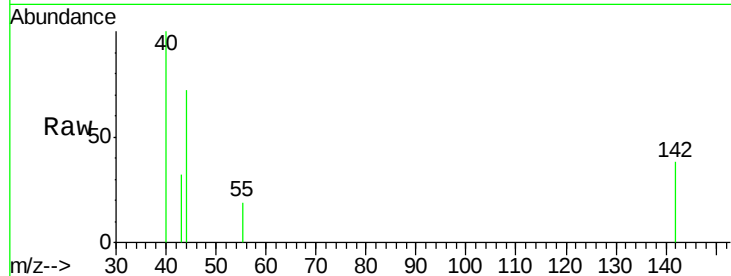




#10
Methvl Iodide
Concen: 3.550 ug/l
RT: 4.13 min Scan# 392
Delta R.T. -0.00 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

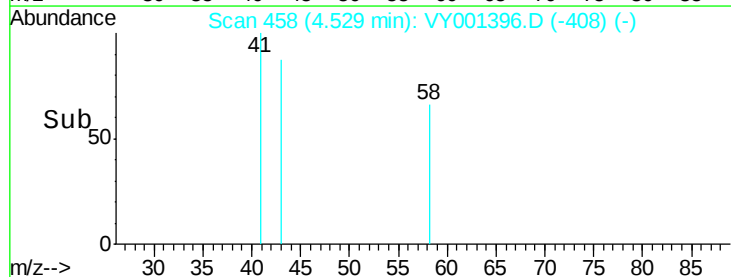
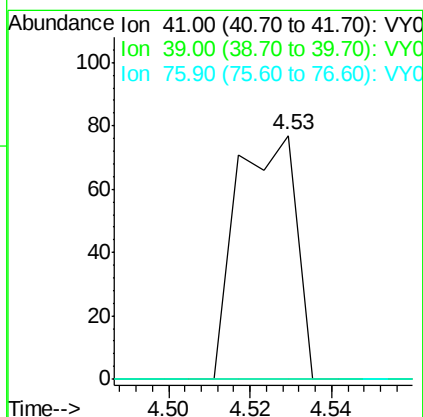
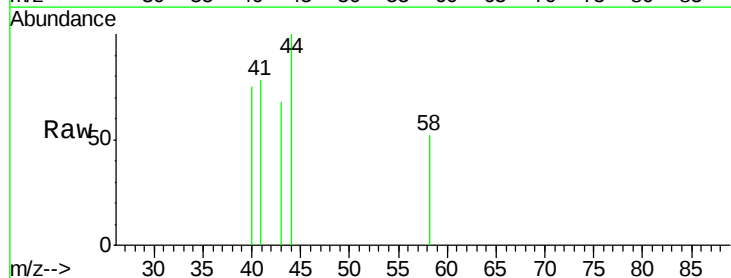
Instrument :
MSVOA_Y
ClientSampled :
TR-04-012420

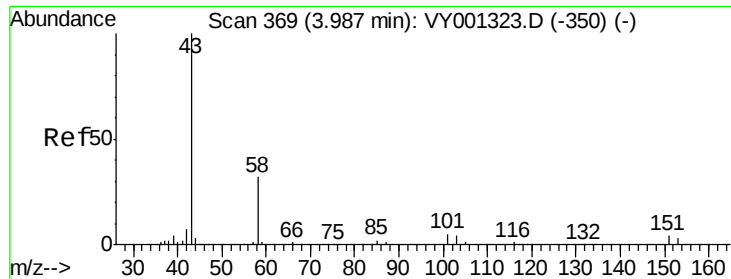
Tot Ion:142 Resp: 194
Ion Ratio Lower Upper
142 100
127 11.3 31.6 47.4#
141 0.0 11.2 16.8#



#14
Allyl chloride
Concen: 1.007 ug/l
RT: 4.53 min Scan# 458
Delta R.T. 0.01 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion: 41 Resp: 78
Ion Ratio Lower Upper
41 100
39 0.0 52.2 78.4#
76 0.0 29.1 43.7#





#16

Acetone

Concen: 2154.398 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.02 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

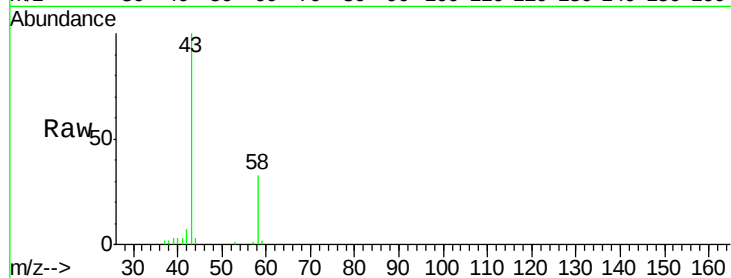
TR-04-012420

Tot Ion: 43 Resp: 24593

Ion Ratio Lower Upper

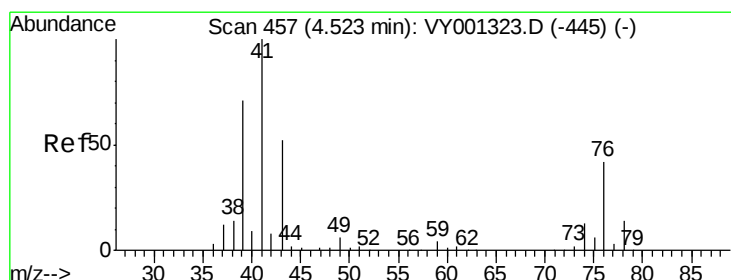
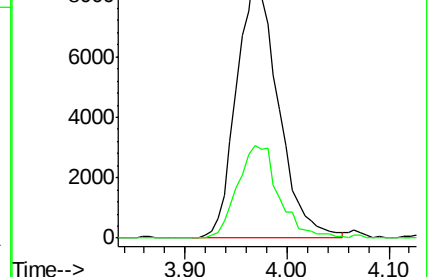
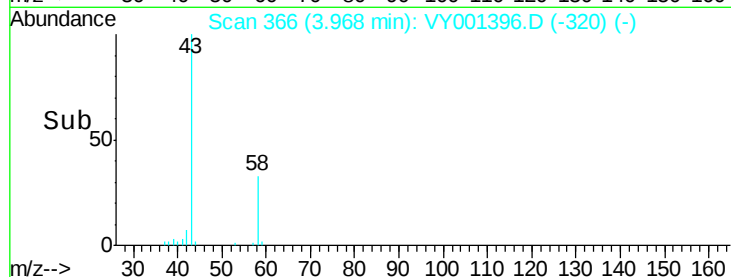
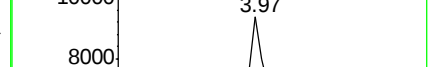
43 100

58 32.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.491 ug/l

RT: 4.54 min Scan# 459

Delta R.T. 0.01 min

Lab File: VY001396.D

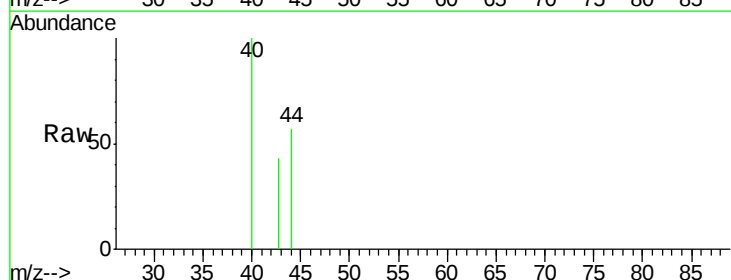
Acq: 24 Jan 2020 20:22

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

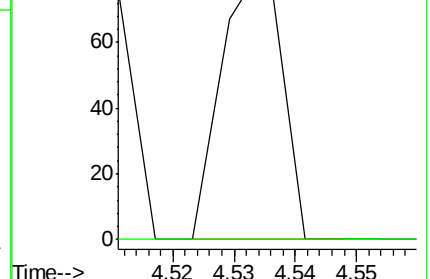
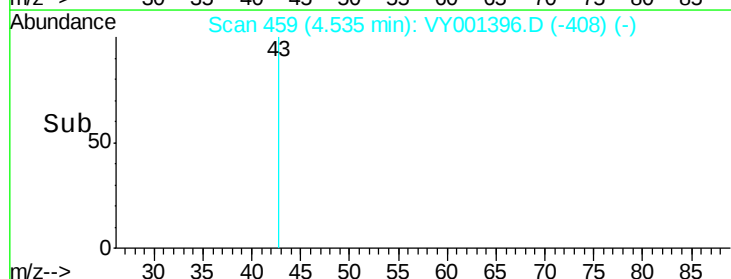
43 100

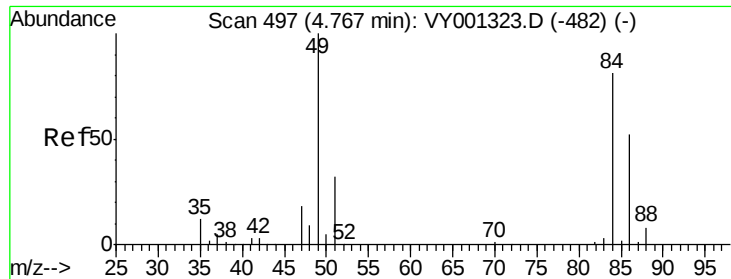
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

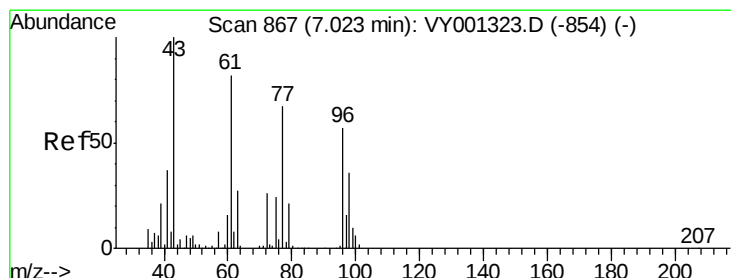
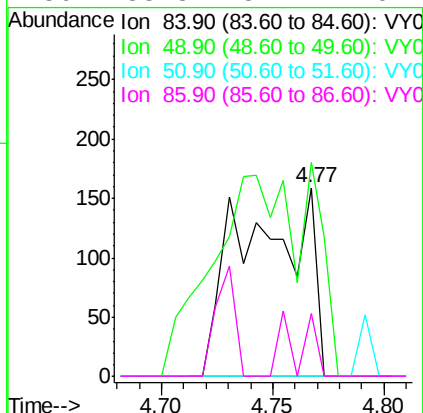
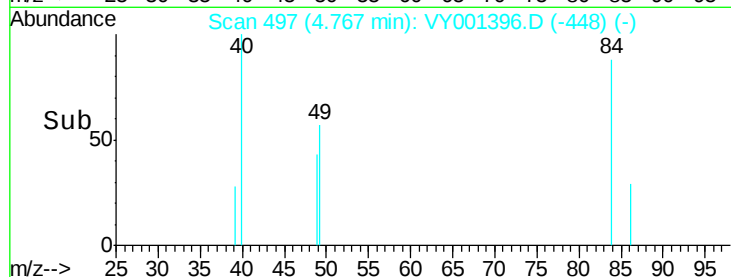
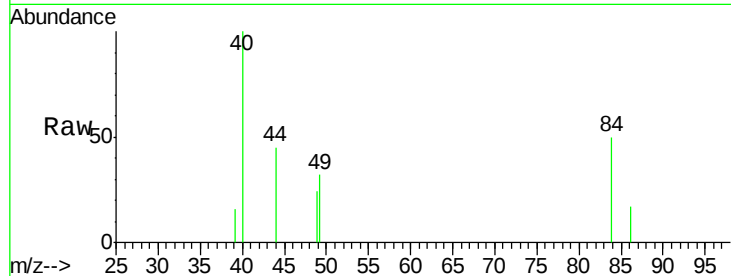




#20
Methvlene Chloride
Concen: 2.006 ug/l
RT: 4.77 min Scan# 497
Delta R.T. -0.00 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

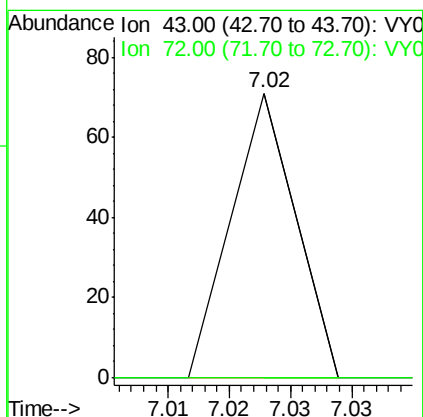
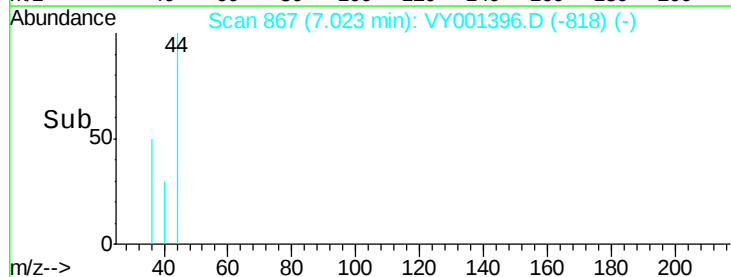
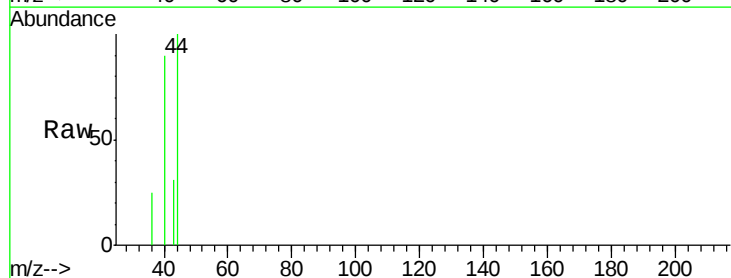
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-012420

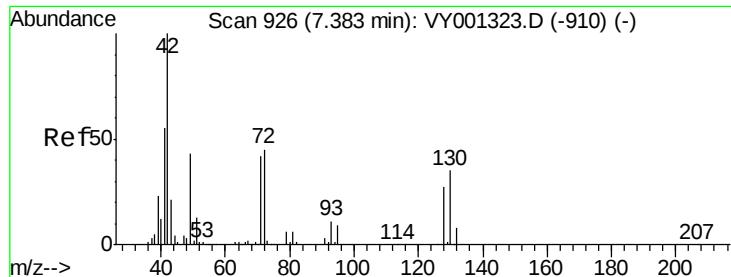
Tot Ion: 84 Resp: 334
Ion Ratio Lower Upper
84 100
49 113.2 98.3 147.5
51 0.0 31.6 47.4#
86 33.3 51.1 76.7#



#25
2-Butanone
Concen: 1.342 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.00 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#

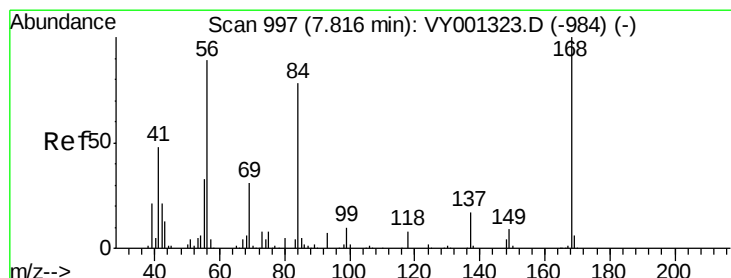
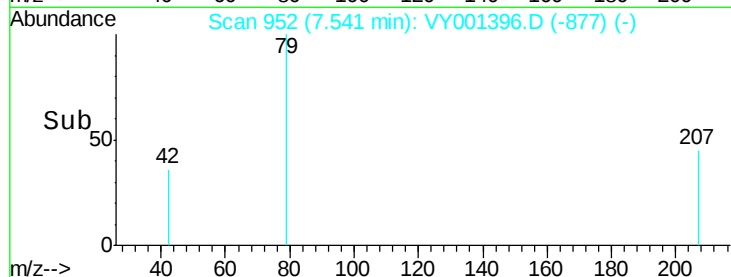
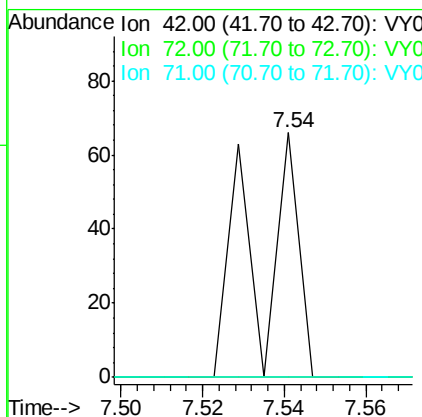
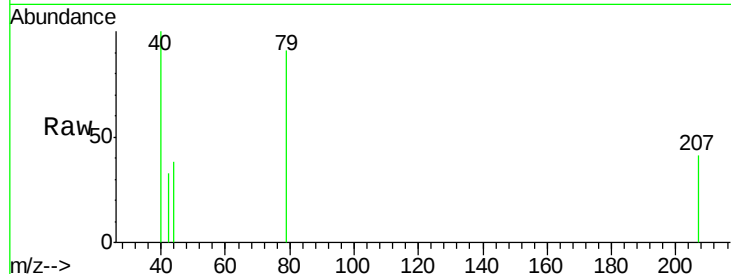




#29
Tetrahydrofuran
Concen: 3.728 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.16 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

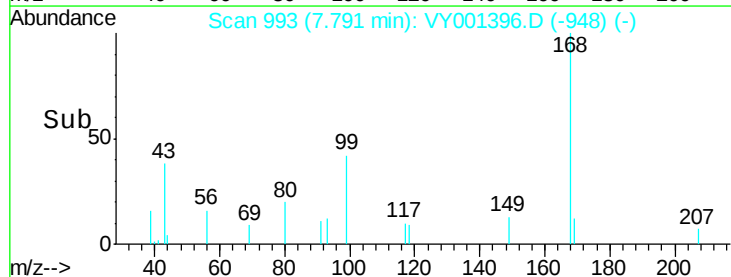
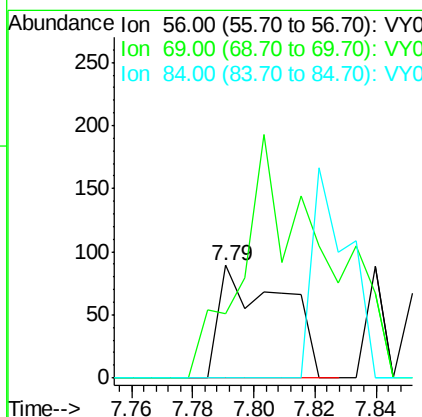
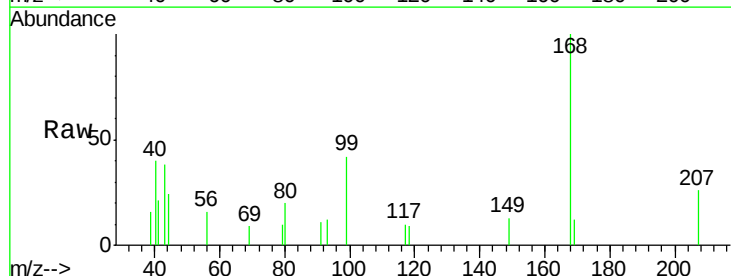
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-012420

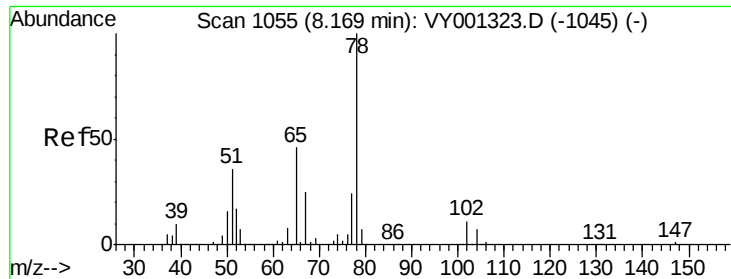
Tot Ion: 42 Resp: 47
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.6 48.8#



#31
Cyclohexane
Concen: 1.463 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
69 57.3 27.6 41.4#
84 0.0 69.7 104.5#

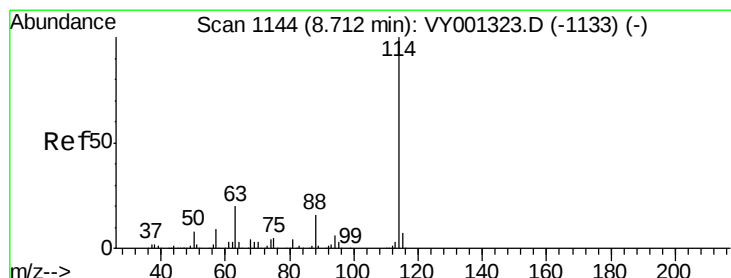
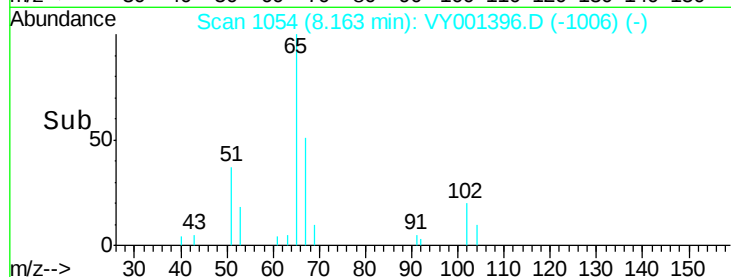
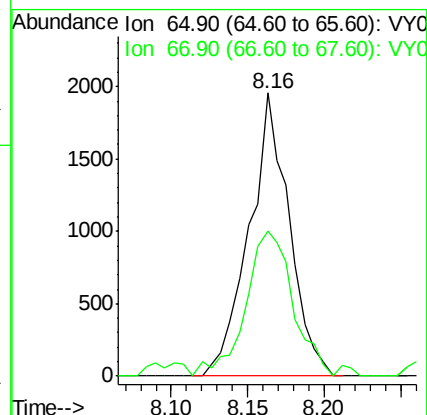
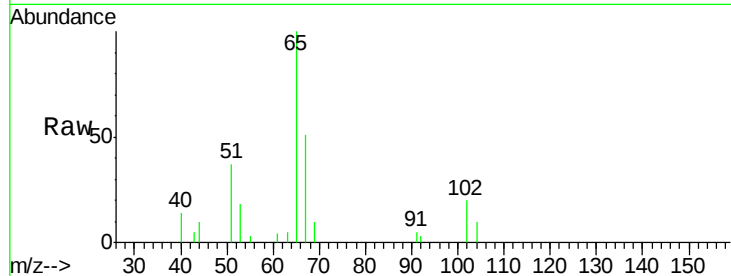




#33
 1,2-Dichloroethane-d4
 Concen: 79.840 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001396.D
 Acq: 24 Jan 2020 20:22

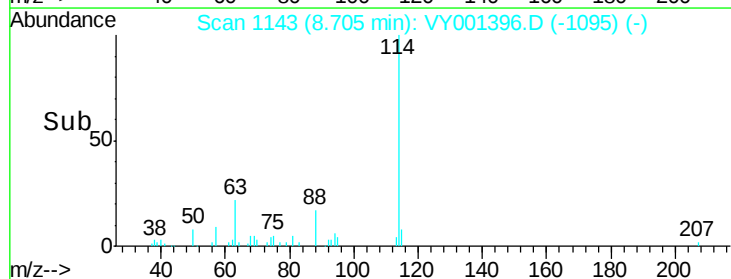
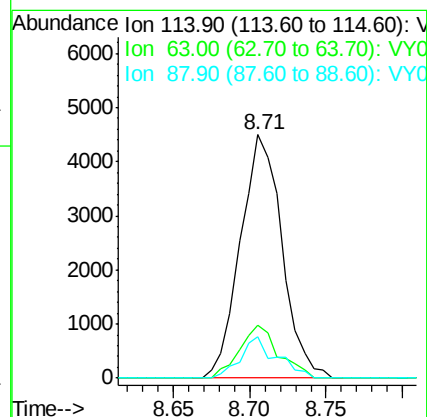
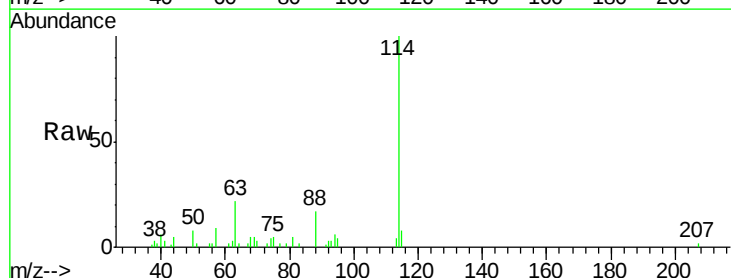
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-012420

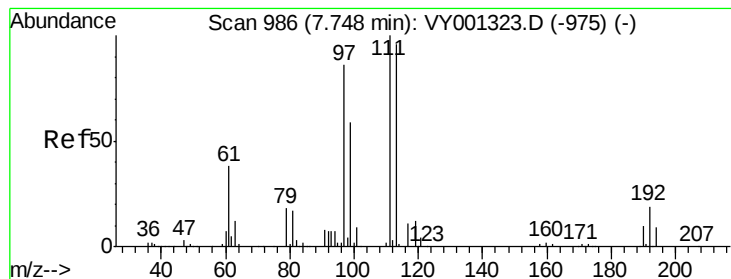
Tot Ion: 65 Resp: 3555
 Ion Ratio Lower Upper
 65 100
 67 60.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001396.D
 Acq: 24 Jan 2020 20:22

Tgt Ion: 114 Resp: 8492
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 16.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.973 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-012420

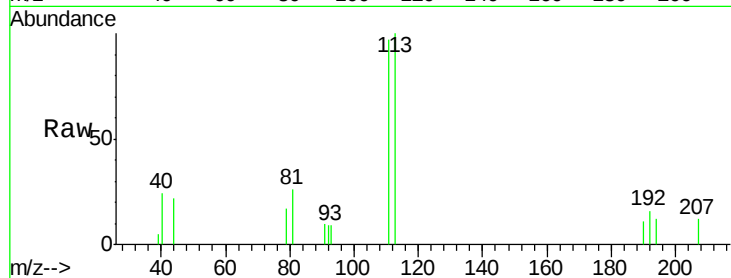
Tot Ion:113 Resp: 2391

Ion Ratio Lower Upper

113 100

111 105.9 82.8 124.2

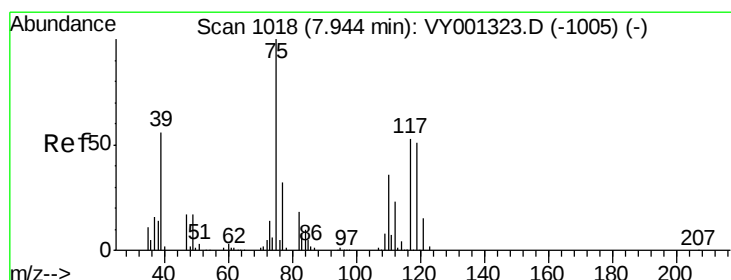
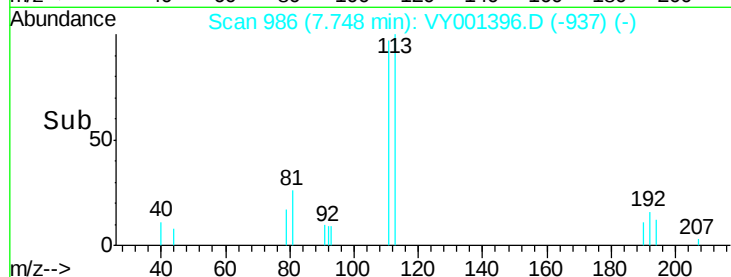
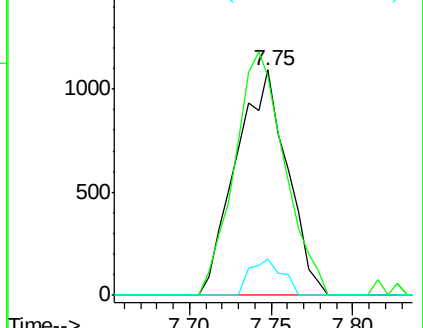
192 10.2 15.5 23.3#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.702 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

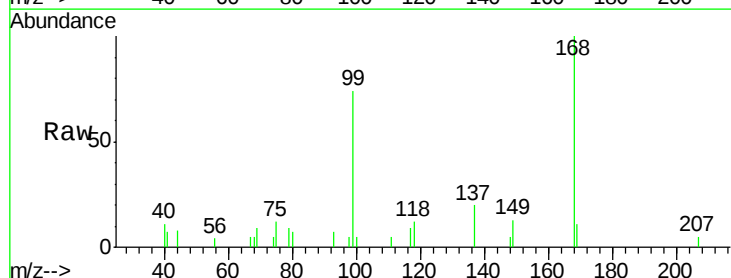
Tgt Ion: 75 Resp: 297

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

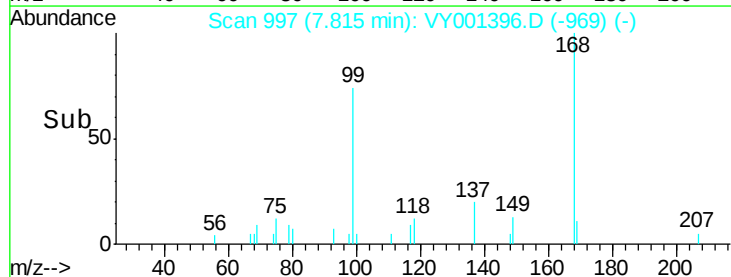
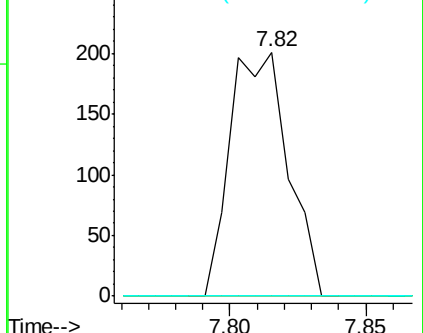
77 0.0 24.7 37.1#

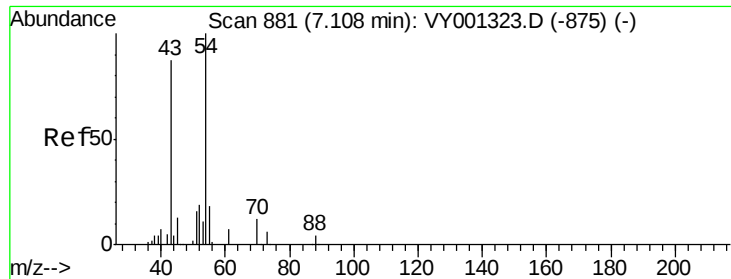


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

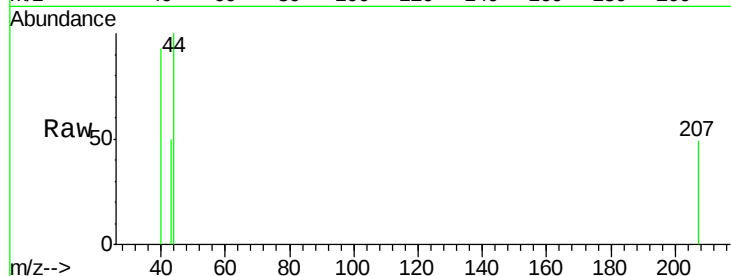




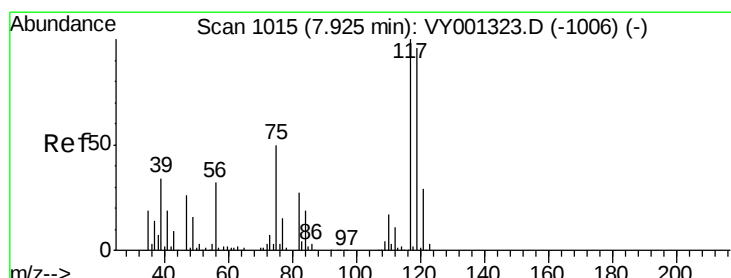
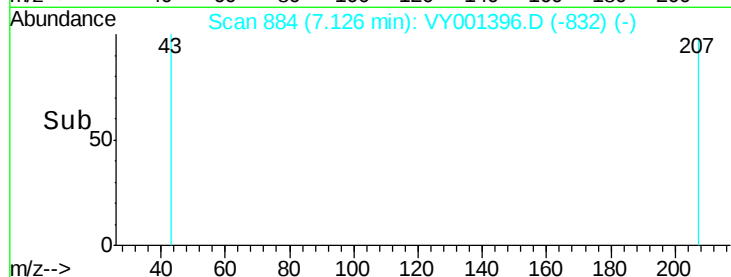
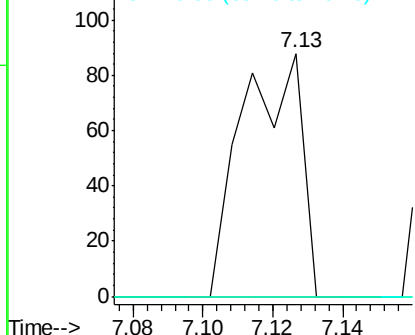
#37
Ethyl Acetate
Concen: 2.122 ug/l
RT: 7.13 min Scan# 884
Delta R.T. 0.02 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-012420

Tot Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#

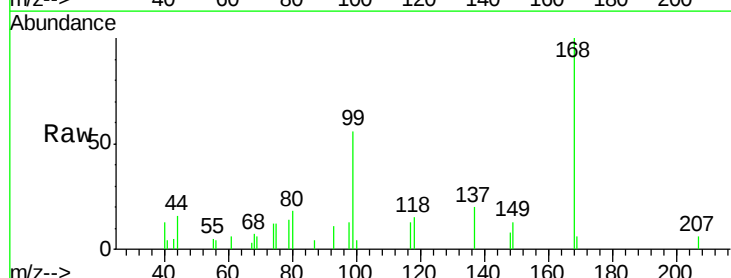


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

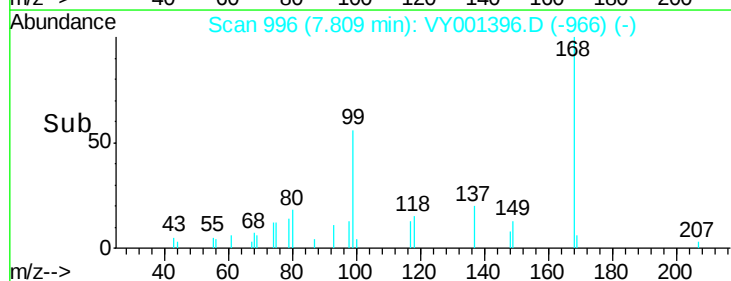
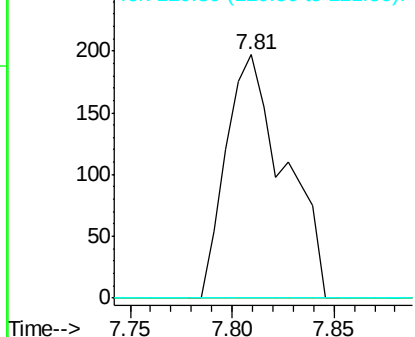


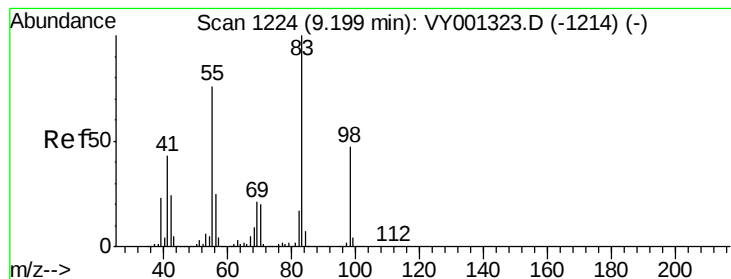
#38
Carbon Tetrachloride
Concen: 5.510 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion: 117 Resp: 394
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 6.470 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampled :

TR-04-012420

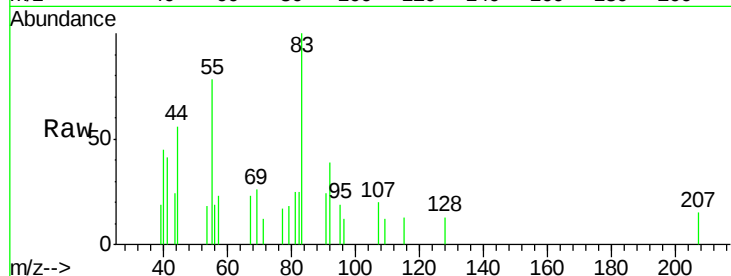
Tot Ion: 83 Resp: 665

Ion Ratio Lower Upper

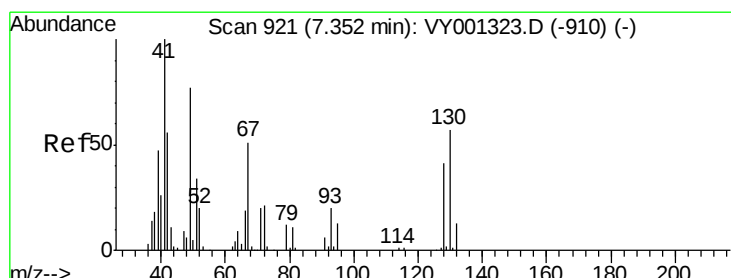
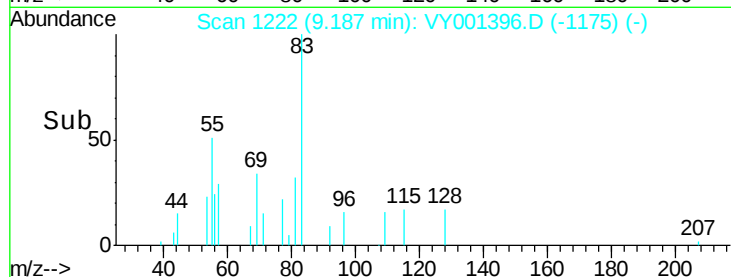
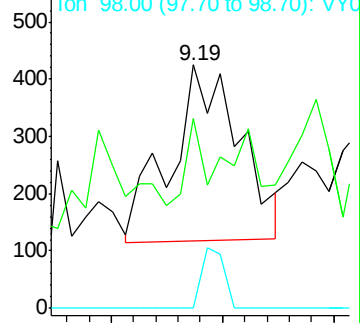
83 100

55 45.6 60.7 91.1#

98 0.0 37.8 56.8#



Abundance Ion 83.00 (82.70 to 83.70): VY001396.D (-1175) (-)



#41

Methacrylonitrile

Concen: 1.977 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Tgt Ion: 41 Resp: 50

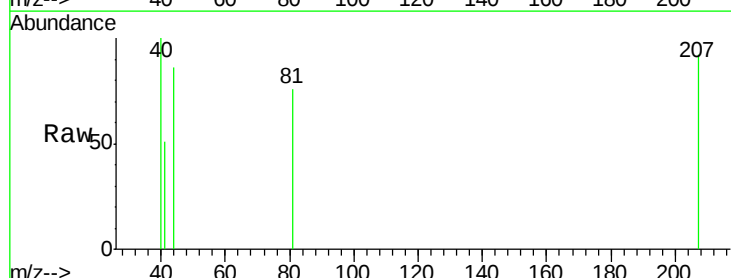
Ion Ratio Lower Upper

41 100

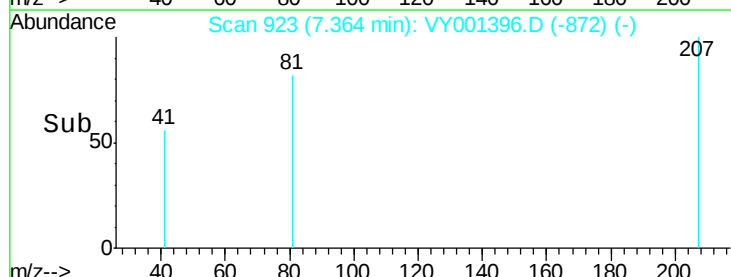
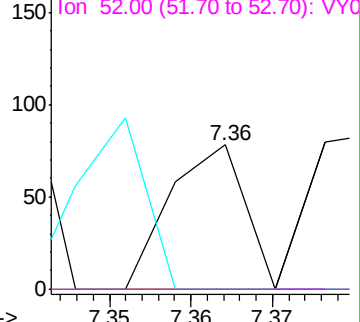
39 0.0 0.0 0.0

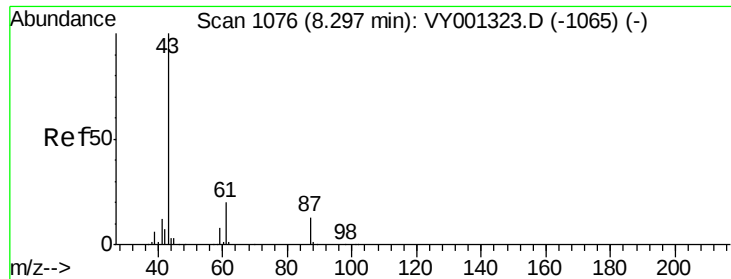
67 110.0 0.0 0.0#

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY001396.D (-872) (-)





#43

Isopropyl Acetate

Concen: 1.427 ug/l

RT: 8.32 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-012420

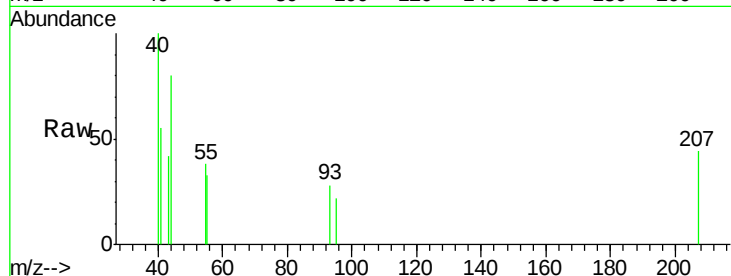
Tot Ion: 43 Resp: 136

Ion Ratio Lower Upper

43 100

61 0.0 22.7 34.1#

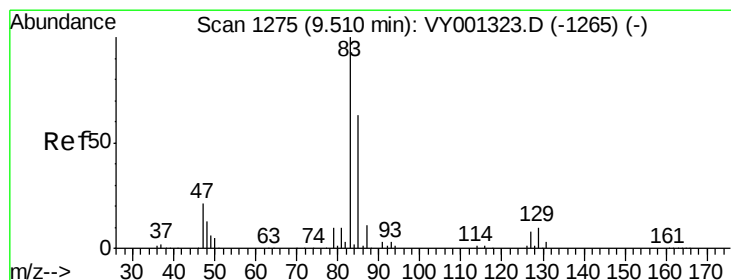
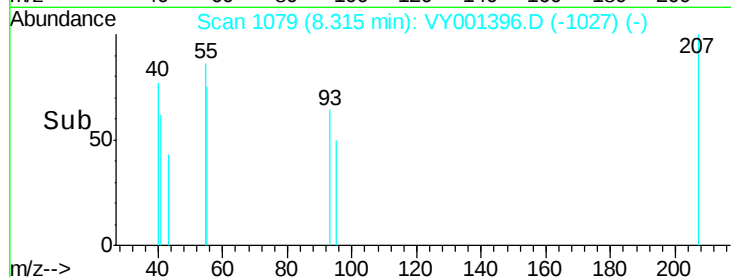
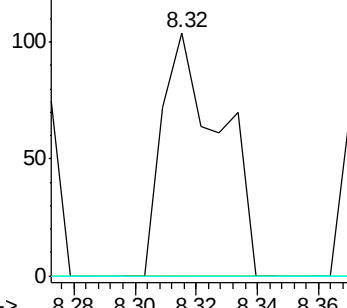
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#47

Bromodichloromethane

Concen: 2.204 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

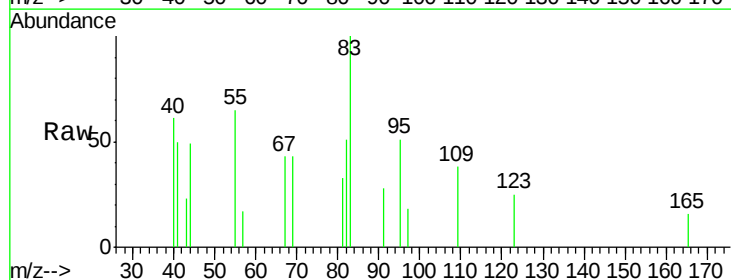
Tgt Ion: 83 Resp: 172

Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

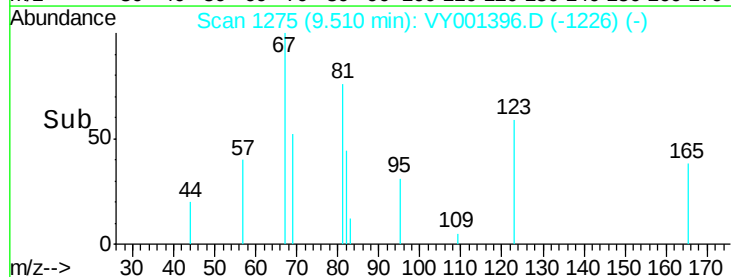
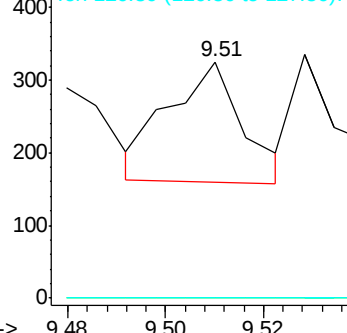
127 0.0 6.4 9.6#

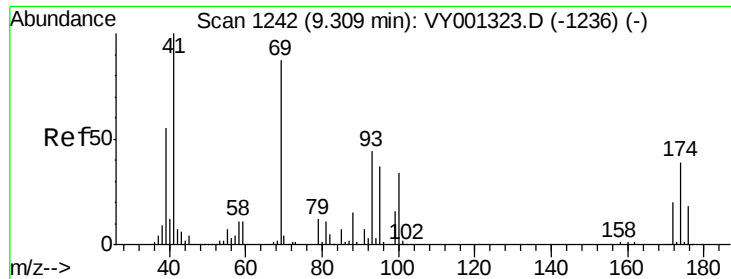


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): V

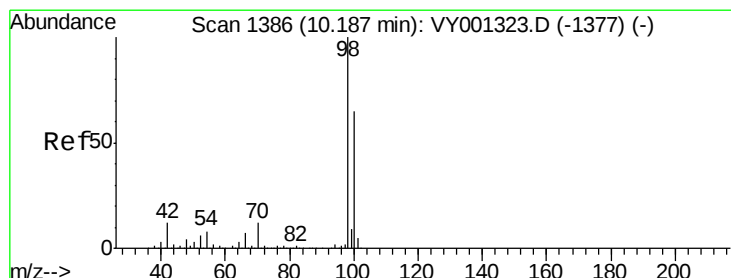
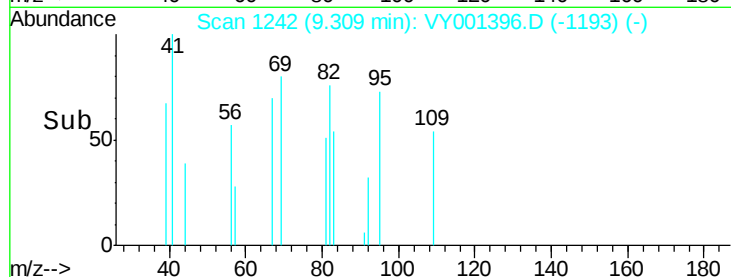
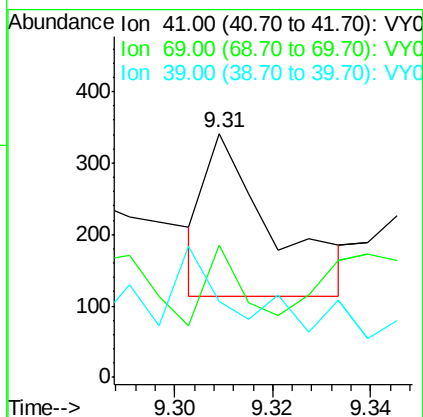
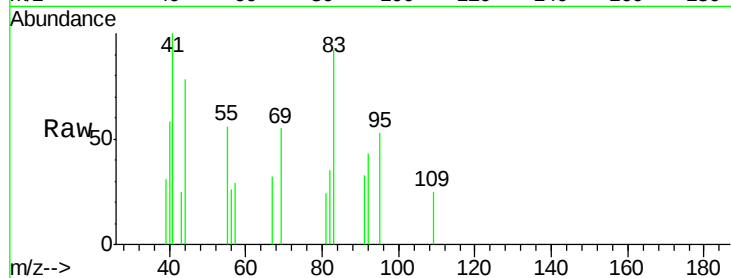




#48
Methvl methacrvlate
Concen: 4.985 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

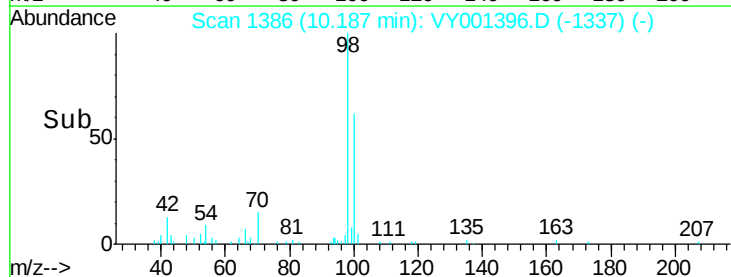
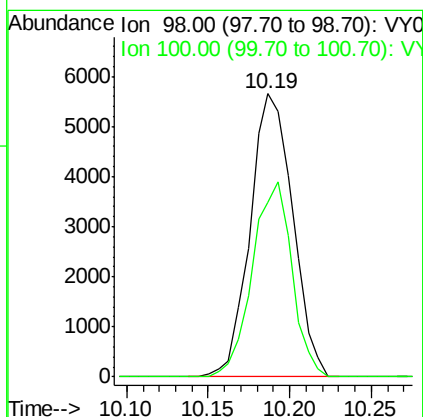
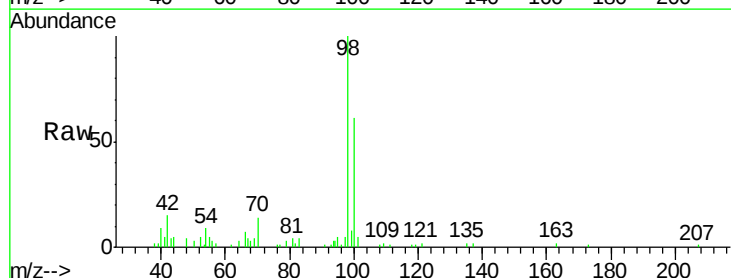
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-012420

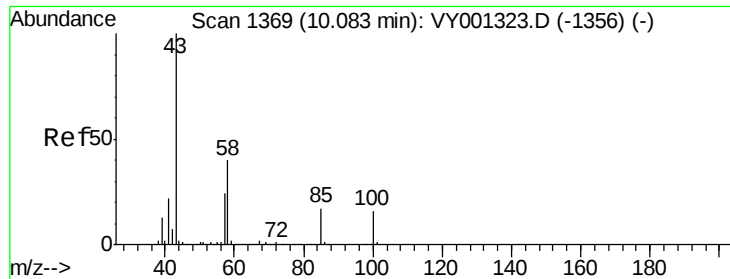
Tot Ion: 41 Resp: 216
Ion Ratio Lower Upper
41 100
69 26.9 70.2 105.4#
39 111.6 45.7 68.5#



#50
Toluene-d8
Concen: 52.845 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion: 98 Resp: 10233
Ion Ratio Lower Upper
98 100
100 63.8 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 2.363 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

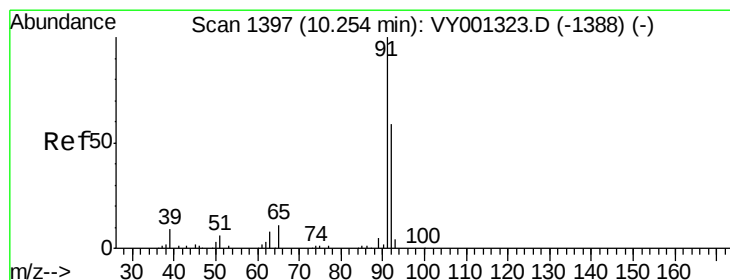
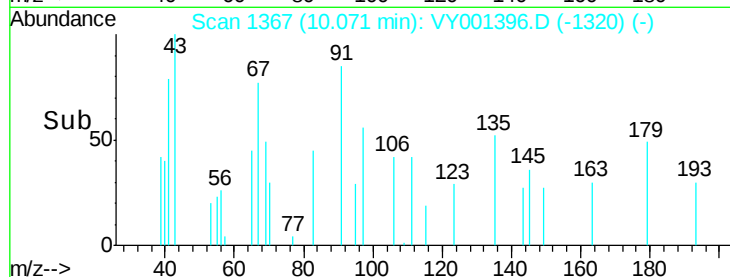
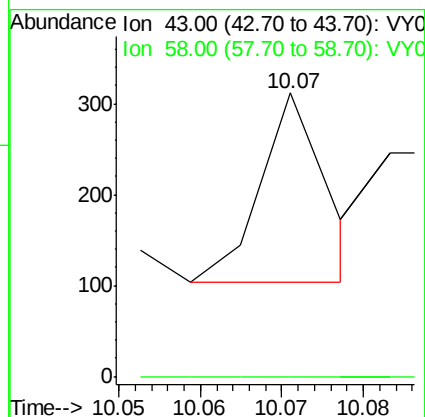
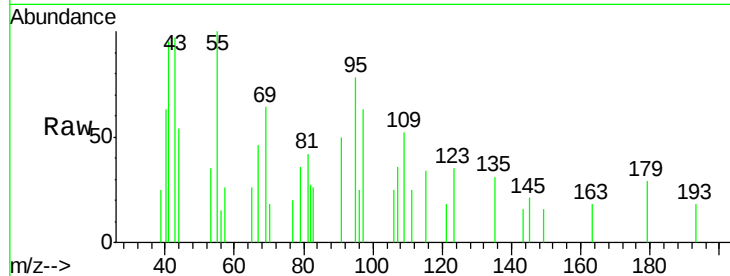
TR-04-012420

Tot Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#52

Toluene

Concen: 47.452 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY001396.D

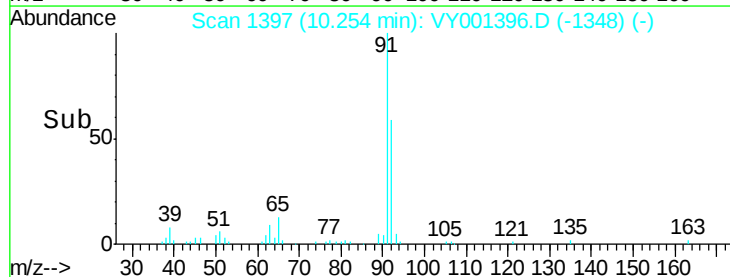
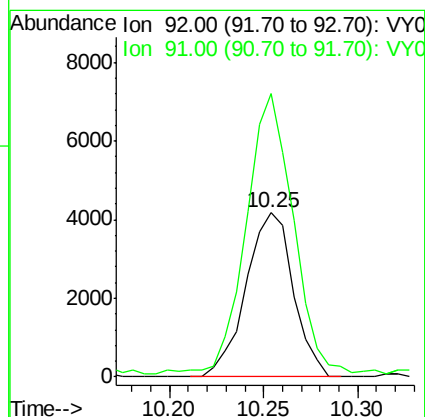
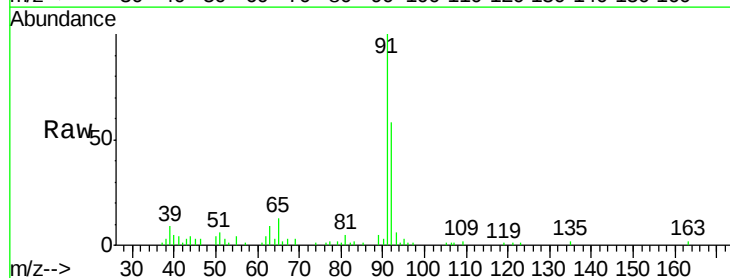
Acq: 24 Jan 2020 20:22

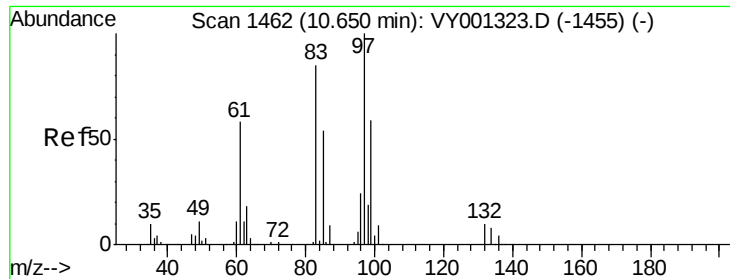
Tgt Ion: 92 Resp: 7236

Ion Ratio Lower Upper

92 100

91 170.4 136.4 204.6

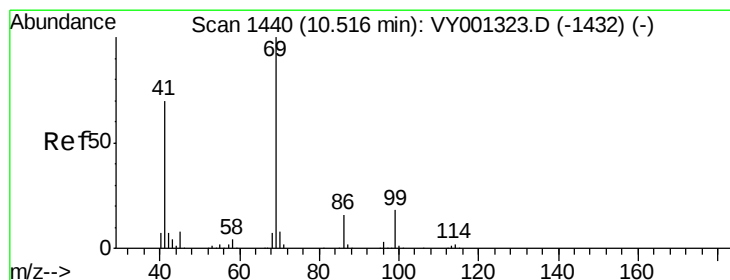
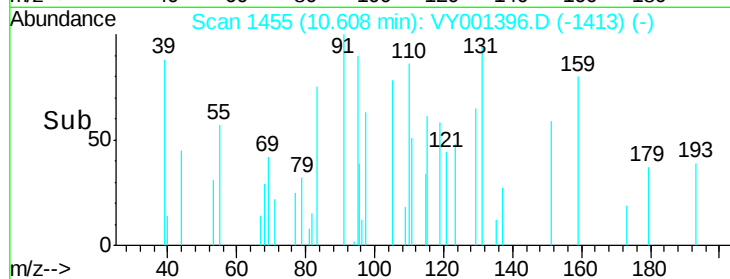
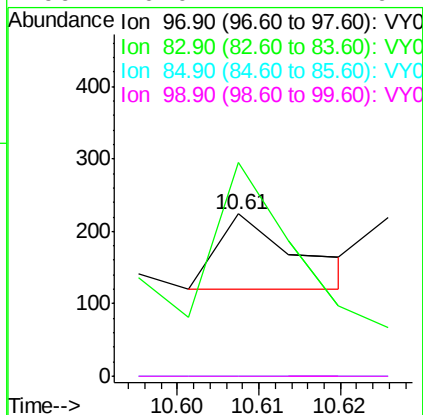
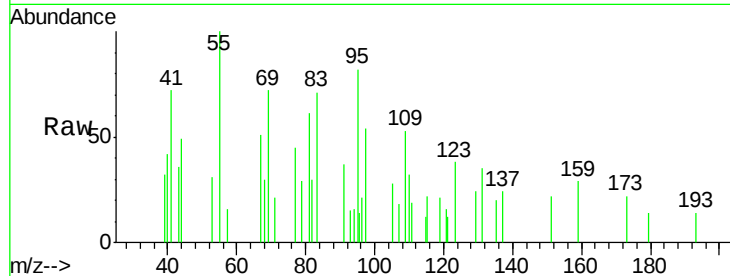




#55
 1,1,2-Trichloroethane
 Concen: 1.494 ug/l
 RT: 10.61 min Scan# 1455
 Delta R.T. -0.04 min
 Lab File: VY001396.D
 Acq: 24 Jan 2020 20:22

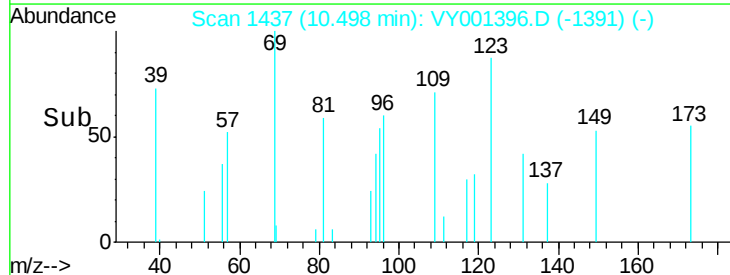
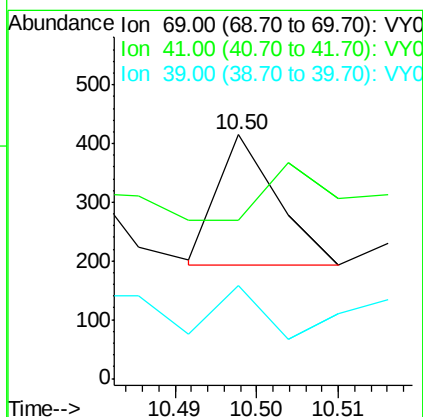
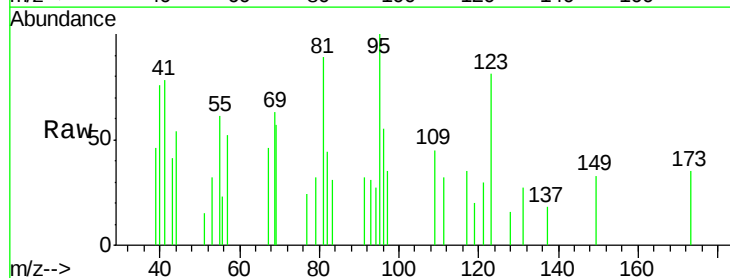
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-012420

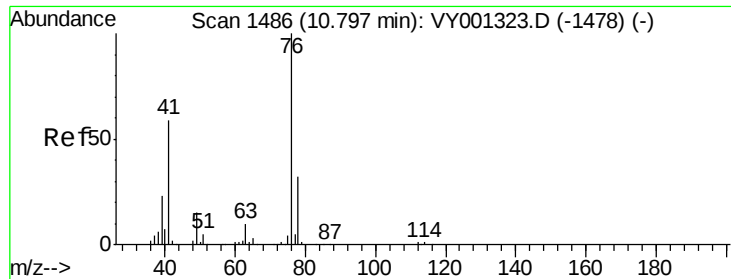
Tot Ion: 97 Resp: 72
 Ion Ratio Lower Upper
 97 100
 83 204.8 68.0 102.0#
 85 0.0 43.6 65.4#
 99 0.0 47.1 70.7#



#56
 Ethyl methacrylate
 Concen: 1.538 ug/l
 RT: 10.50 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: VY001396.D
 Acq: 24 Jan 2020 20:22

Tgt Ion: 69 Resp: 112
 Ion Ratio Lower Upper
 69 100
 41 67.9 54.1 81.1
 39 0.0 26.8 40.2#





#57

1,3-Dichloropropane

Concen: 3.586 ug/l

RT: 10.97 min Scan# 1515

Delta R.T. 0.18 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

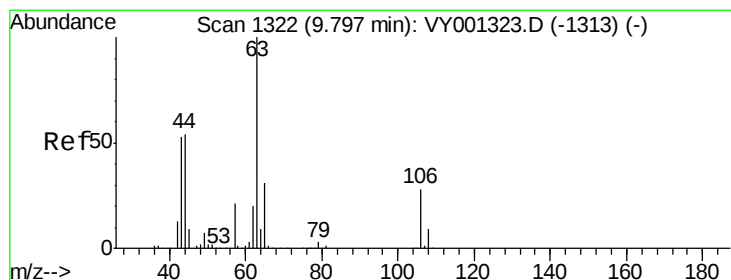
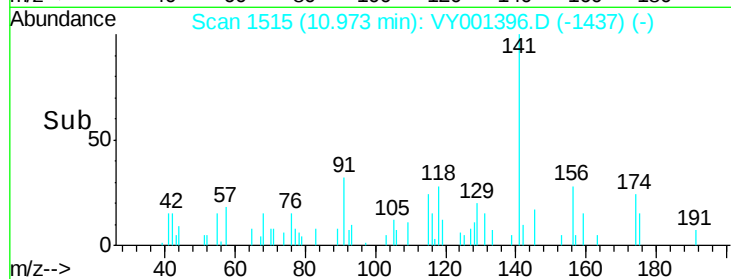
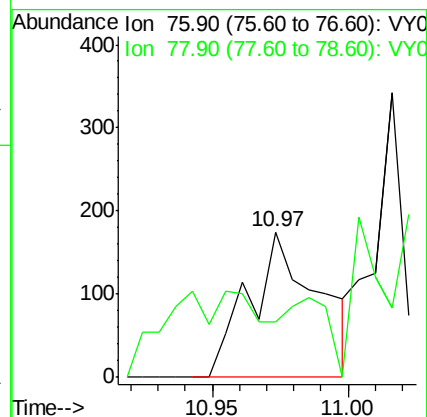
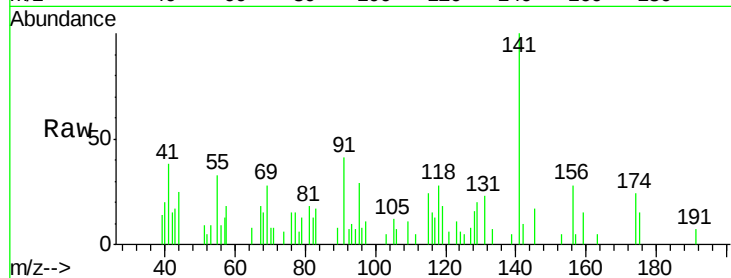
TR-04-012420

Tot Ion: 76 Resp: 301

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 2.341 ug/l

RT: 9.67 min Scan# 1301

Delta R.T. -0.13 min

Lab File: VY001396.D

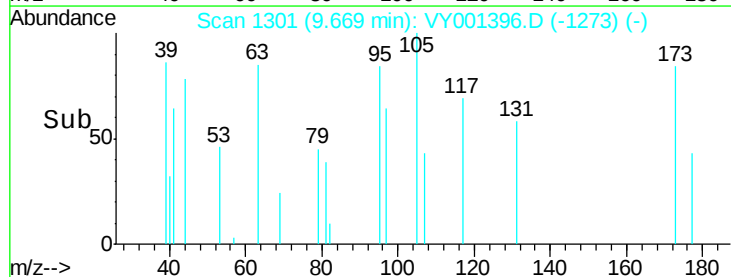
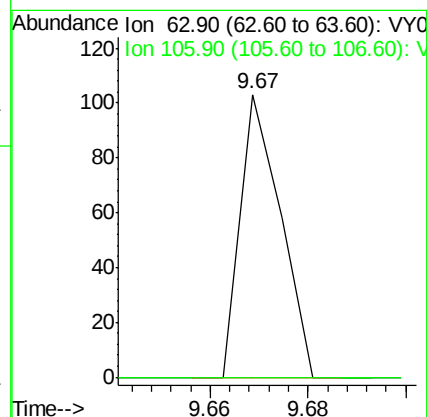
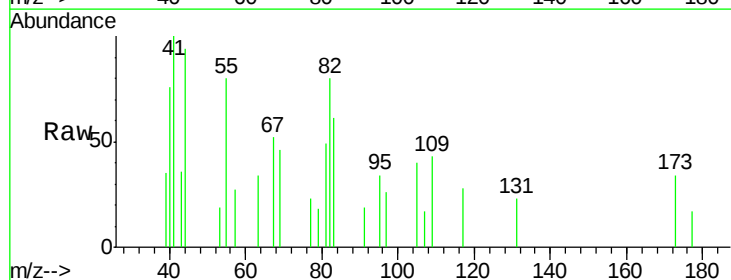
Acq: 24 Jan 2020 20:22

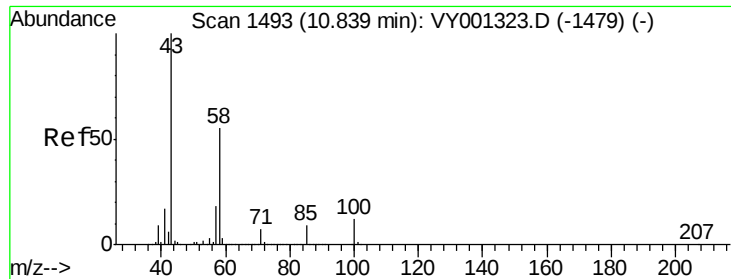
Tgt Ion: 63 Resp: 59

Ion Ratio Lower Upper

63 100

106 0.0 22.5 33.7#





#59

2-Hexanone

Concen: 3.219 ug/l

RT: 10.86 min Scan# 1497

Delta R.T. 0.02 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

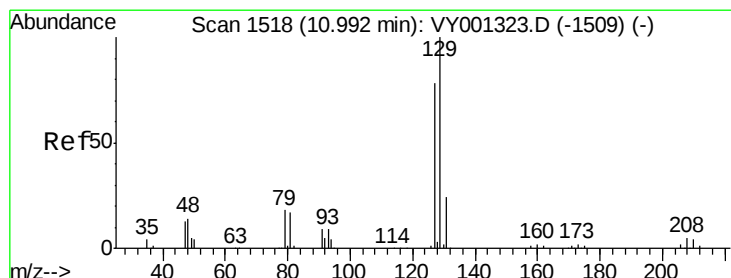
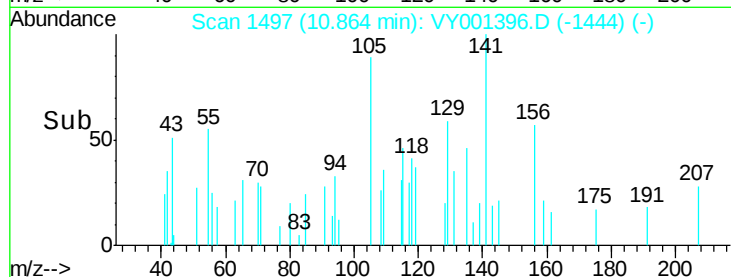
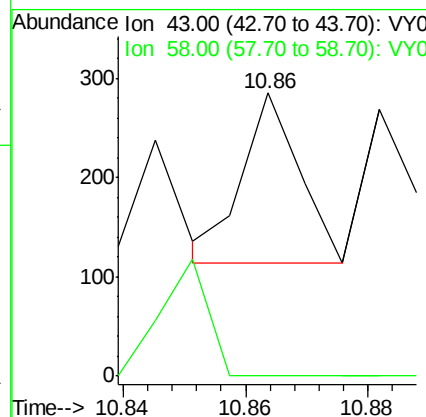
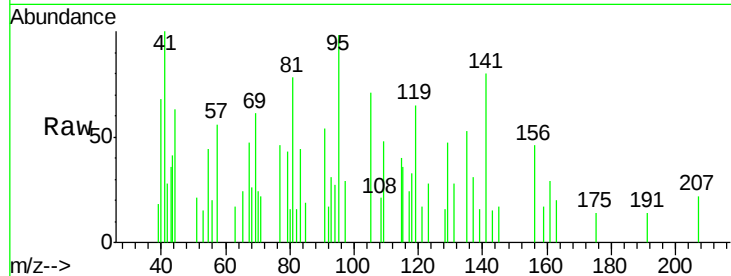
TR-04-012420

Tot Ion: 43 Resp: 110

Ion Ratio Lower Upper

43 100

58 58.2 27.6 82.8



#60

Dibromochloromethane

Concen: 4.101 ug/l

RT: 11.05 min Scan# 1528

Delta R.T. 0.06 min

Lab File: VY001396.D

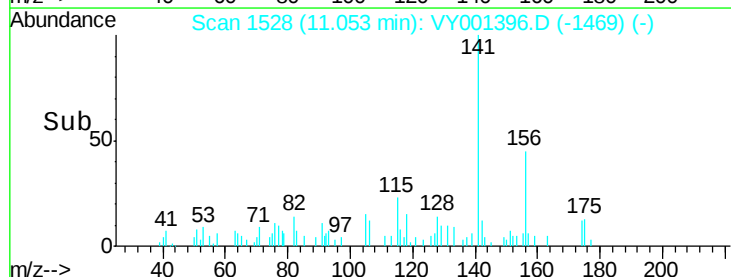
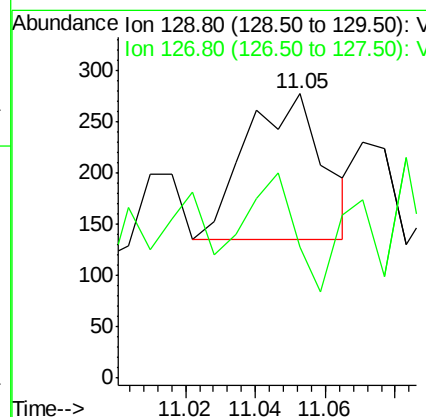
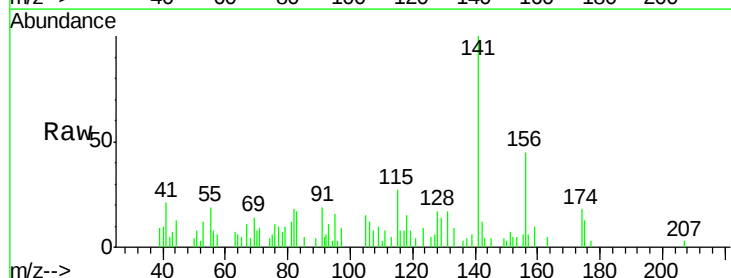
Acq: 24 Jan 2020 20:22

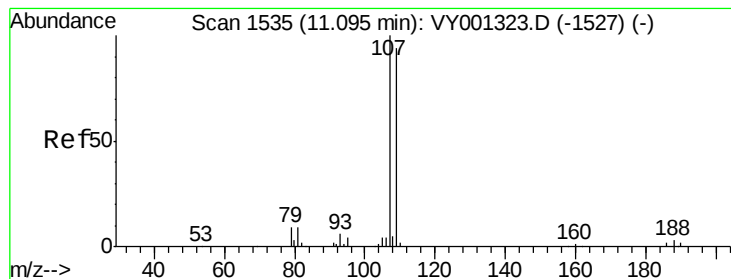
Tgt Ion: 129 Resp: 221

Ion Ratio Lower Upper

129 100

127 59.7 38.8 116.4





#61

1,2-Dibromoethane

Concen: 5.510 ug/l

RT: 11.16 min Scan# 1546

Delta R.T. 0.07 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

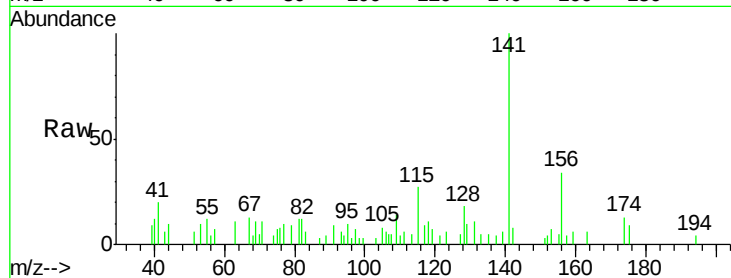
TR-04-012420

Tot Ion:107 Resp: 251

Ion Ratio Lower Upper

107 100

109 86.9 75.0 112.6

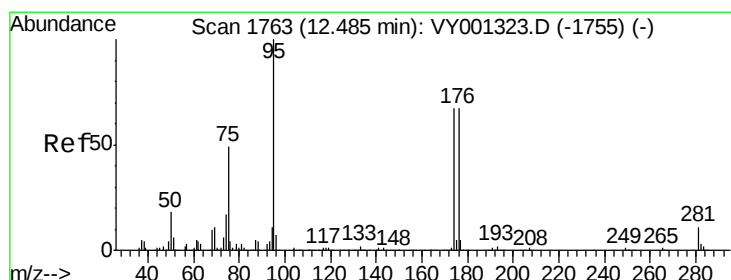
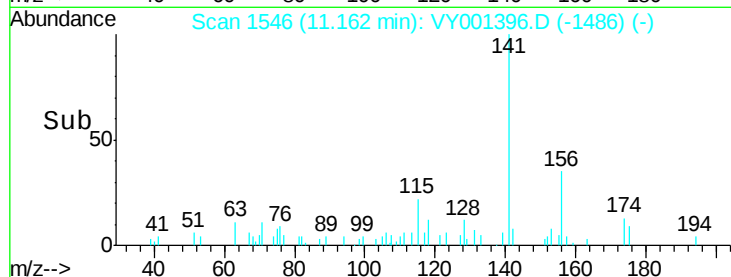


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.16

Time-->



#62

4-Bromofluorobenzene

Concen: 52.636 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

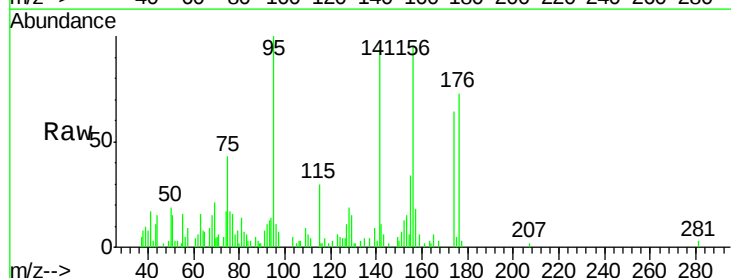
Tgt Ion: 95 Resp: 4059

Ion Ratio Lower Upper

95 100

174 64.3 0.0 142.0

176 65.7 0.0 138.6



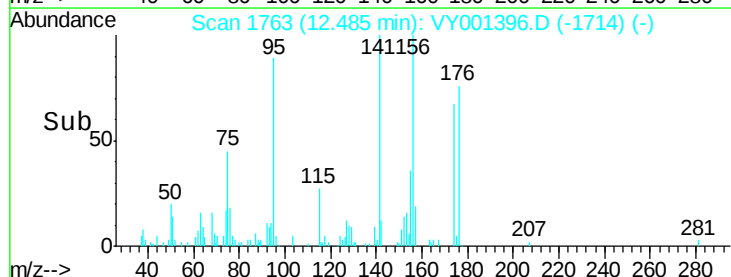
Abundance Ion 94.90 (94.60 to 95.60): VY0

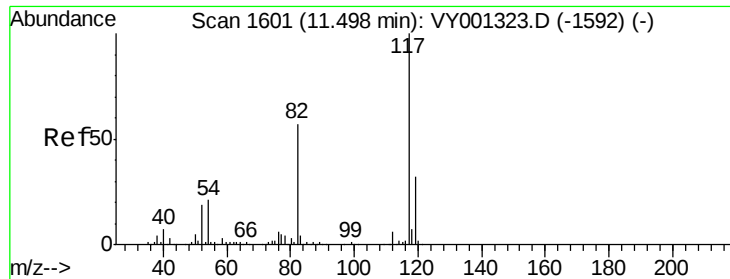
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

Time-->

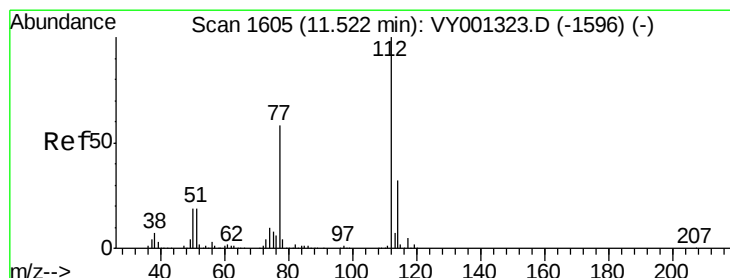
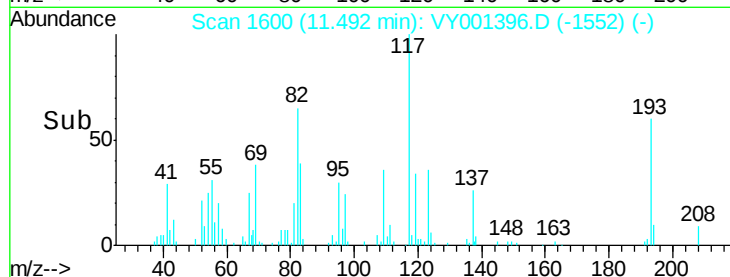
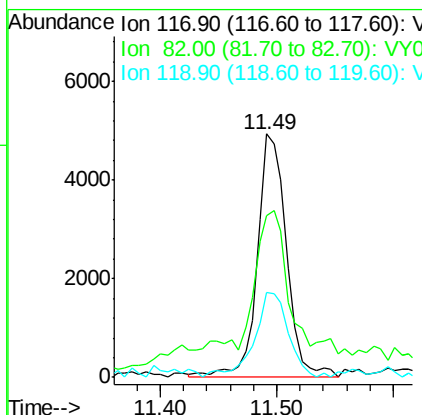
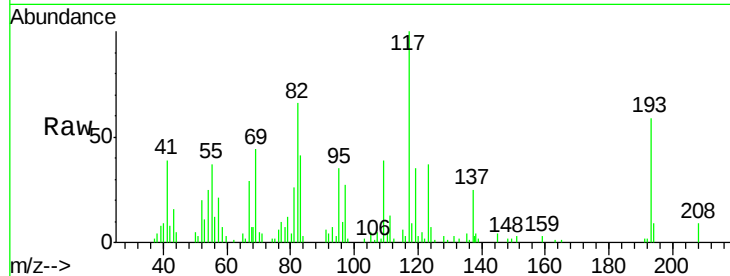




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

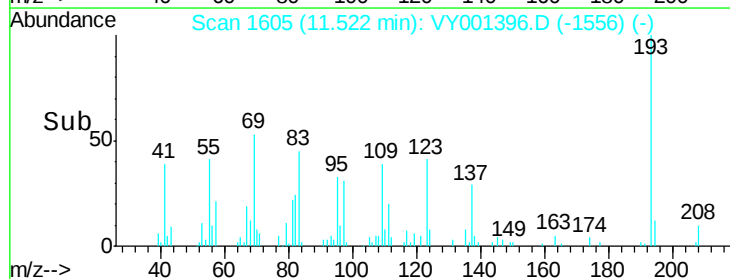
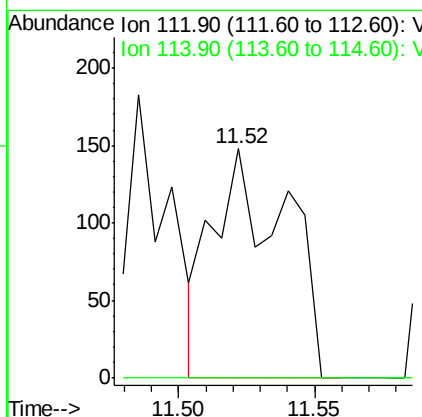
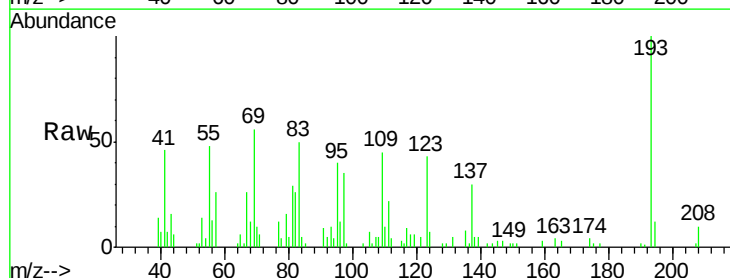
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-012420

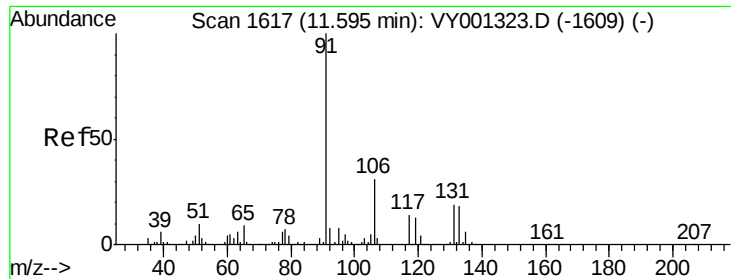
Tot Ion:117 Resp: 8681
Ion Ratio Lower Upper
117 100
82 56.9 45.5 68.3
119 32.7 25.8 38.6



#65
Chlorobenzene
Concen: 1.481 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion:112 Resp: 271
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.6#

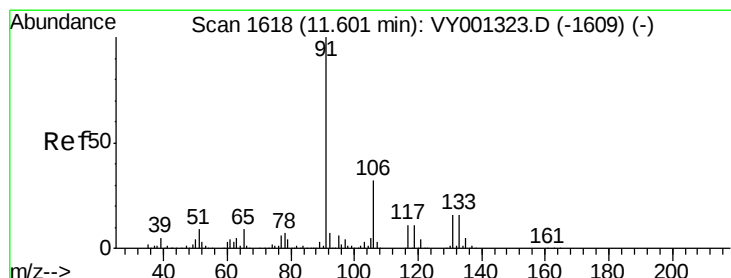
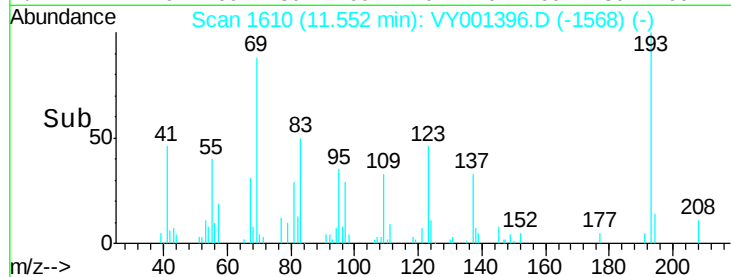
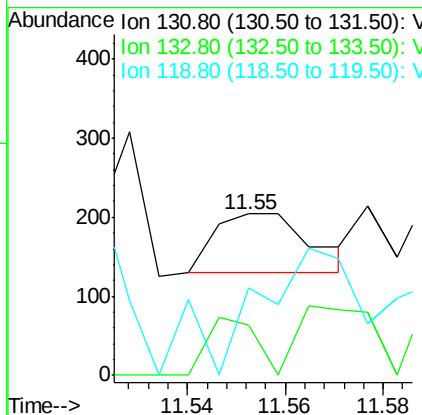
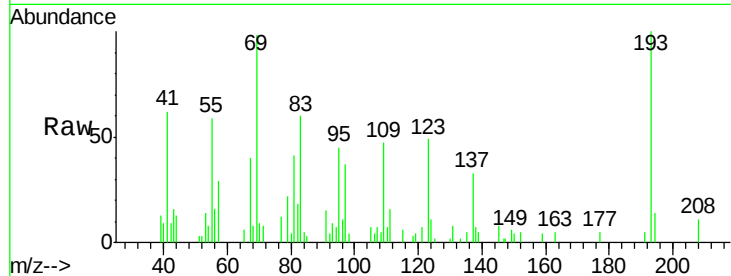




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.617 ug/l
 RT: 11.55 min Scan# 1610
 Delta R.T. -0.04 min
 Lab File: VY001396.D
 Acq: 24 Jan 2020 20:22

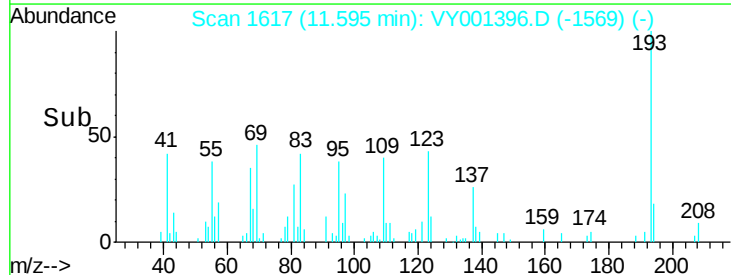
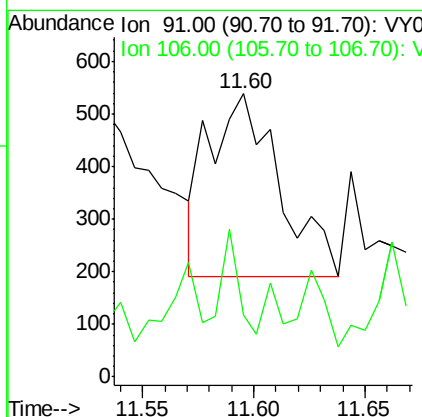
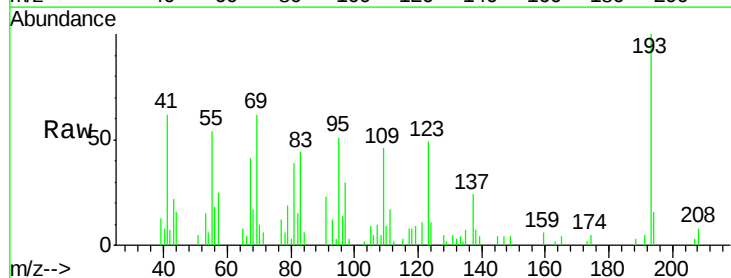
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-012420

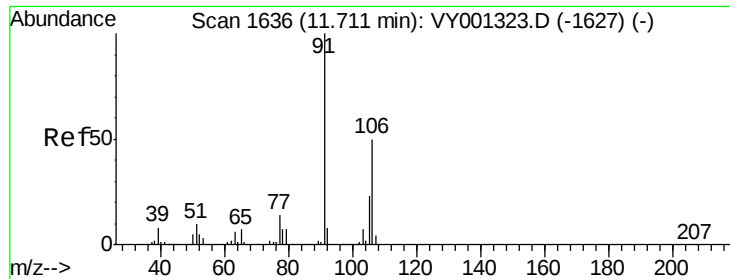
Tot Ion:131 Resp: 101
 Ion Ratio Lower Upper
 131 100
 133 49.5 47.1 141.3
 119 0.0 34.1 102.2#



#67
 Ethyl Benzene
 Concen: 2.263 ug/l
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: VY001396.D
 Acq: 24 Jan 2020 20:22

Tgt Ion: 91 Resp: 763
 Ion Ratio Lower Upper
 91 100
 106 17.9 25.4 38.0#

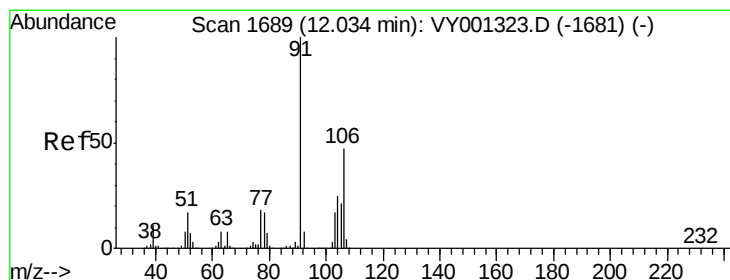
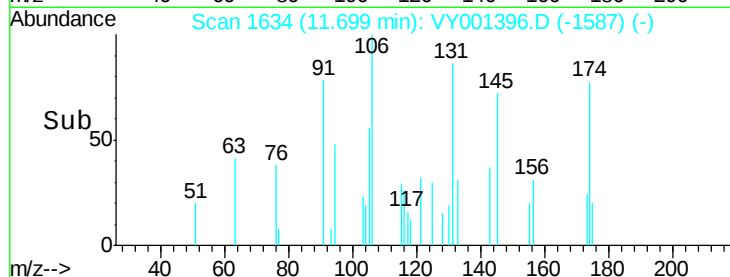
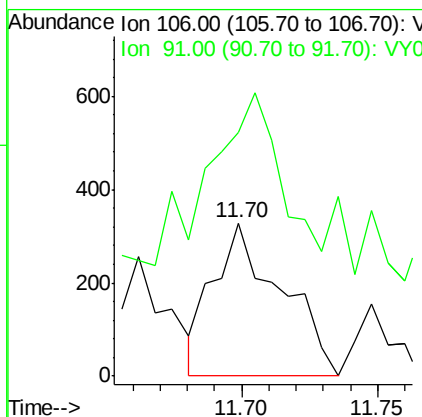
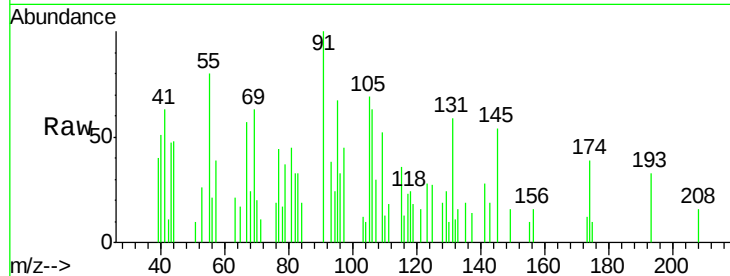




#68
m/p-Xylenes
Concen: 4.518 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

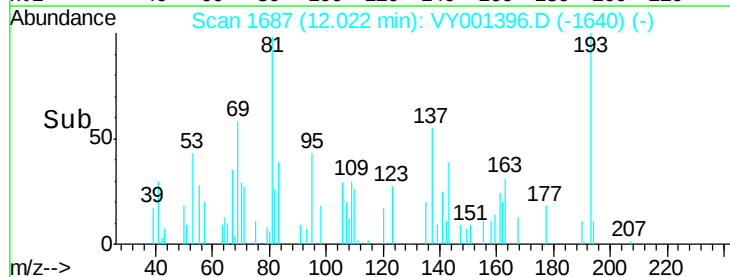
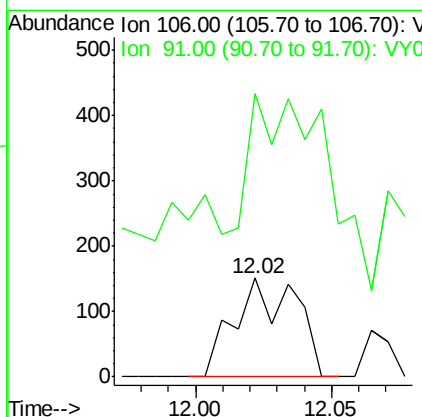
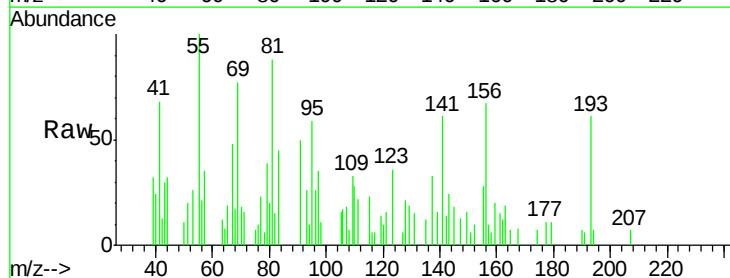
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-012420

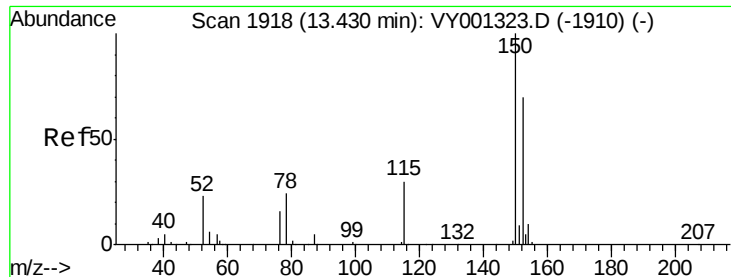
Tot Ion:106 Resp: 569
Ion Ratio Lower Upper
106 100
91 109.0 162.8 244.2#



#69
o-Xylene
Concen: 1.931 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion:106 Resp: 234
Ion Ratio Lower Upper
106 100
91 255.6 106.3 319.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampled :

TR-04-012420

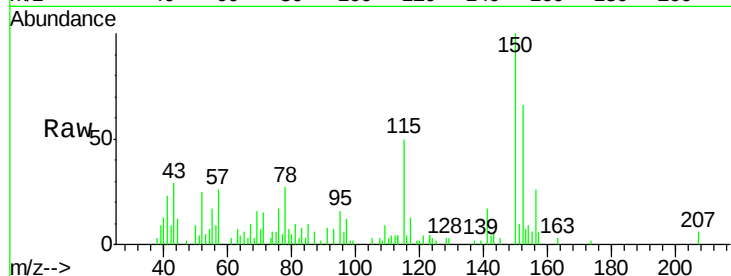
Tot Ion:152 Resp: 3524

Ion Ratio Lower Upper

152 100

115 62.5 30.9 92.8

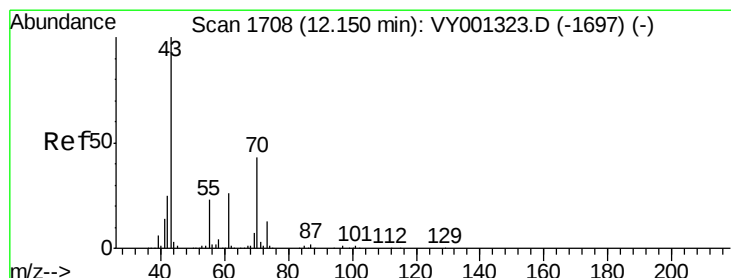
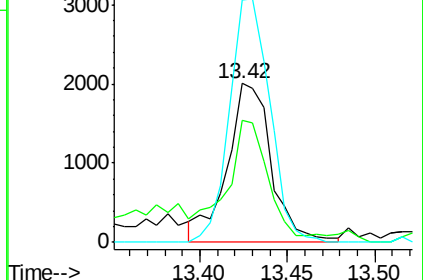
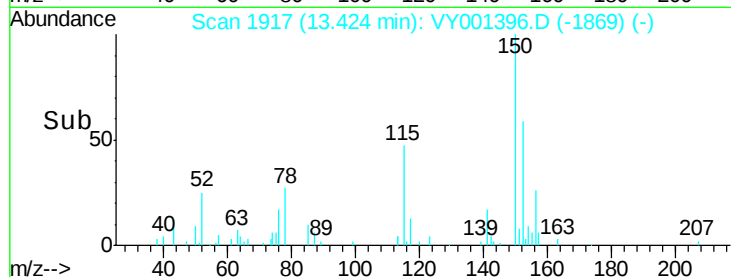
150 140.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.110 ug/l

RT: 12.17 min Scan# 1712

Delta R.T. 0.02 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Tgt Ion: 43 Resp: 101

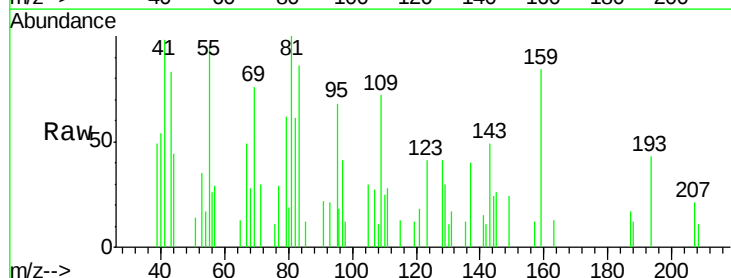
Ion Ratio Lower Upper

43 100

70 0.0 33.5 50.3#

55 0.0 18.2 27.2#

61 0.0 19.6 29.4#

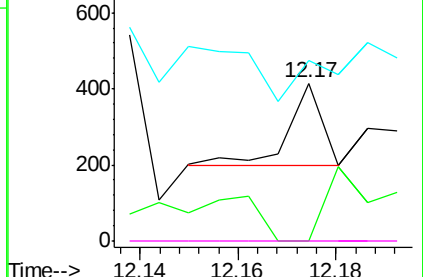
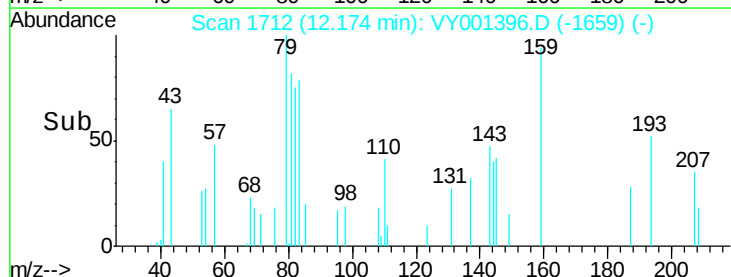


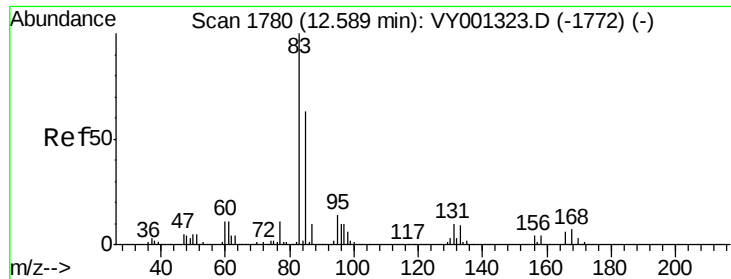
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.676 ug/l

RT: 12.57 min Scan# 1777

Delta R.T. -0.02 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampled :

TR-04-012420

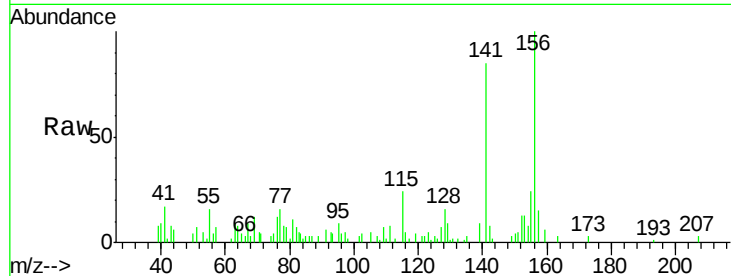
Tot Ion: 83 Resp: 338

Ion Ratio Lower Upper

83 100

131 19.2 4.9 14.6#

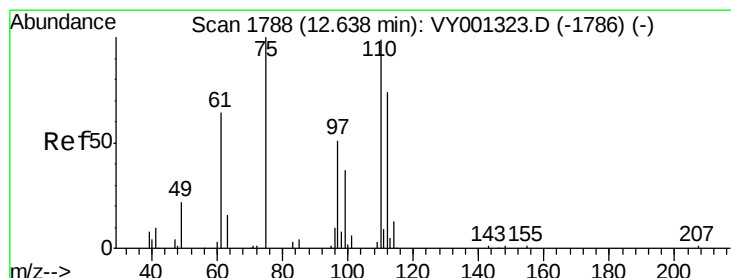
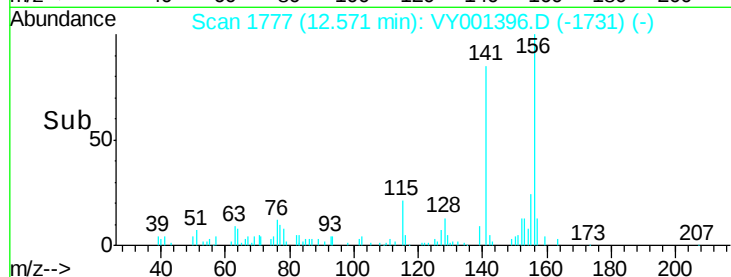
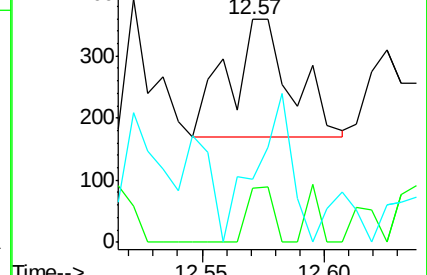
85 72.5 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 2.473 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY001396.D

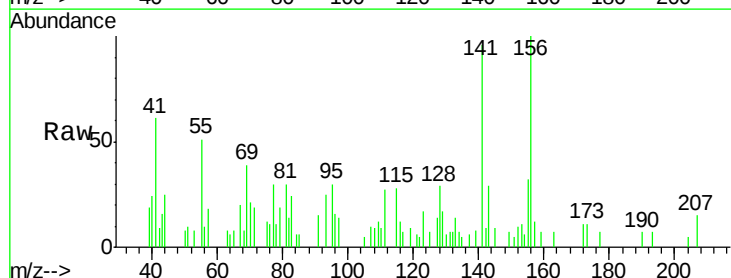
Acq: 24 Jan 2020 20:22

Tgt Ion: 75 Resp: 105

Ion Ratio Lower Upper

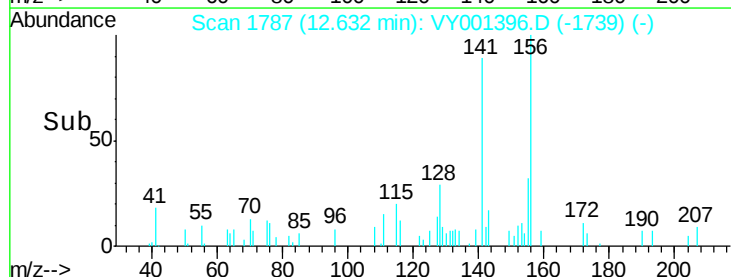
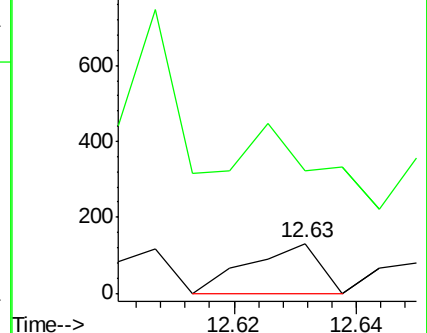
75 100

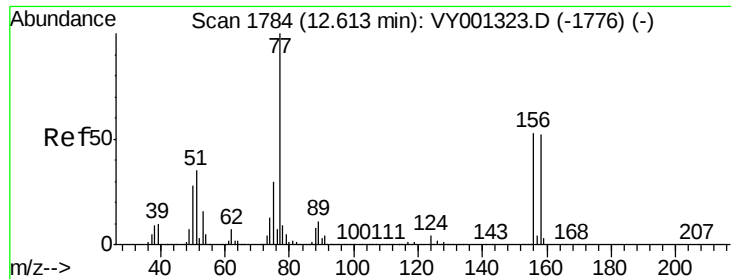
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 577.539 ug/l

RT: 12.54 min Scan# 1772

Delta R.T. -0.07 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-012420

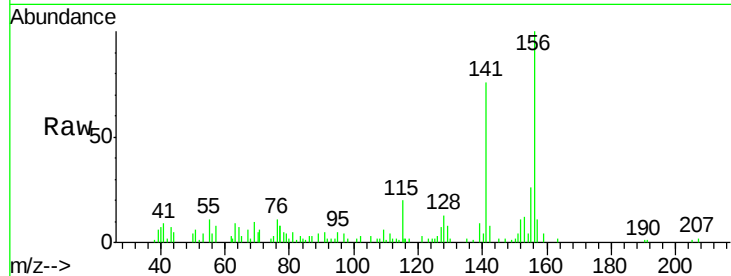
Tot Ion:156 Resp: 35571

Ion Ratio Lower Upper

156 100

77 0.5 104.7 313.9#

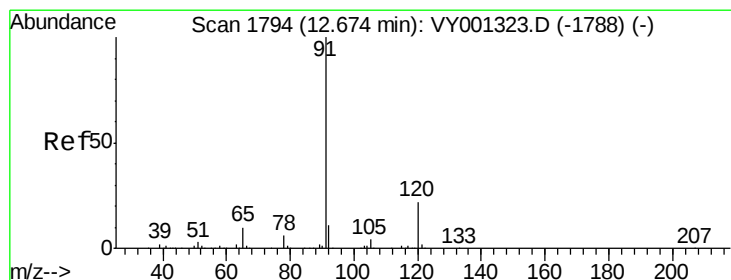
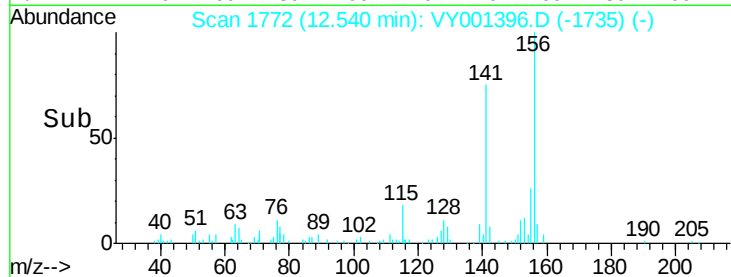
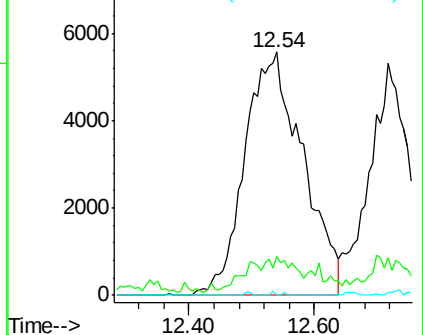
158 0.1 48.6 145.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.618 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001396.D

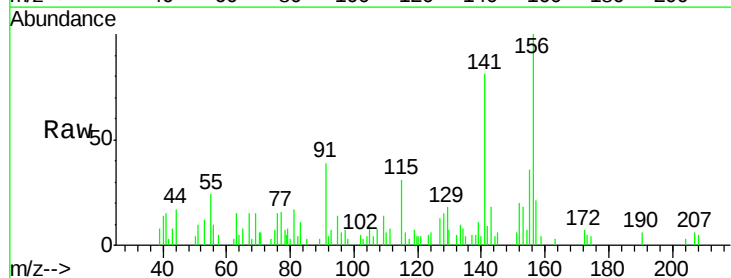
Acq: 24 Jan 2020 20:22

Tgt Ion: 91 Resp: 1211

Ion Ratio Lower Upper

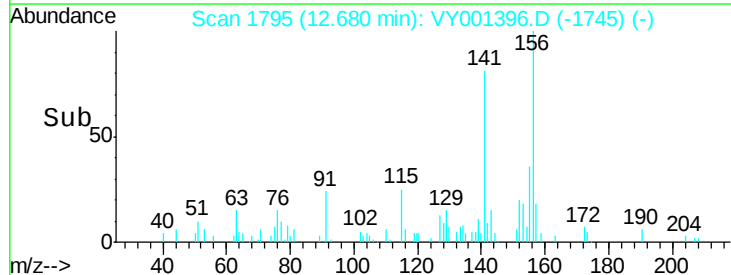
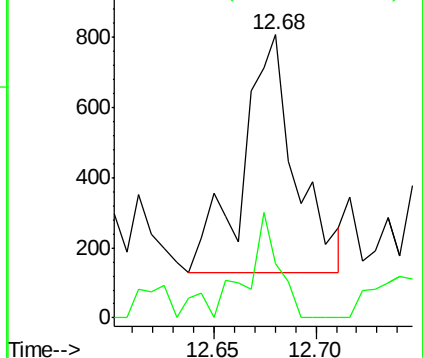
91 100

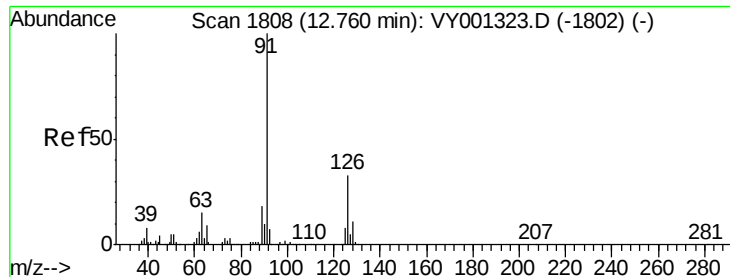
120 25.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

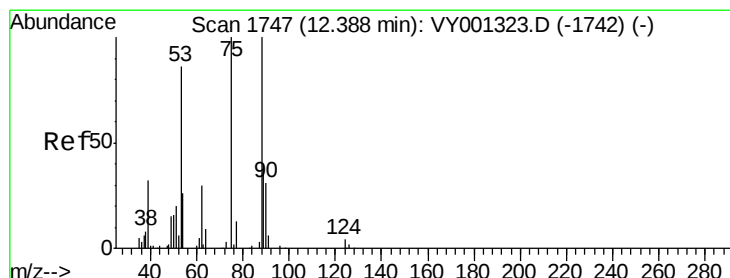
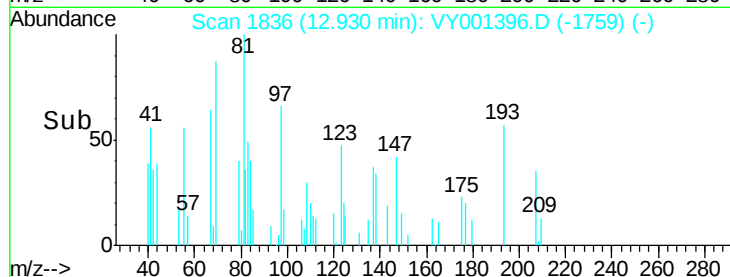
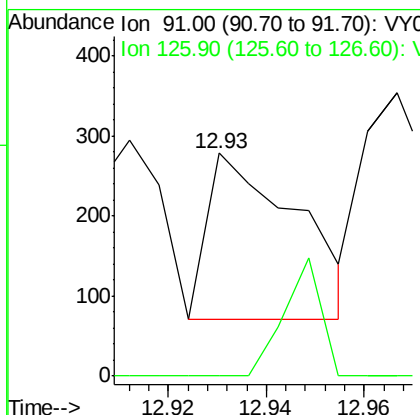
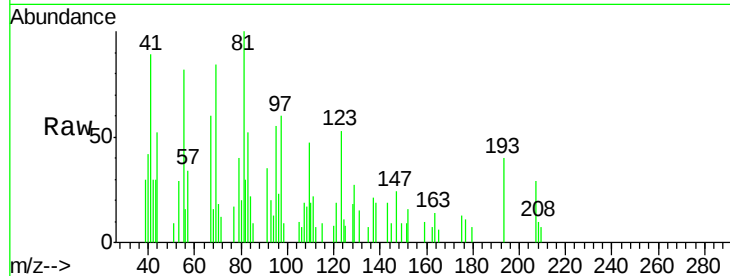




#79
2-Chlorotoluene
Concen: 1.375 ug/l
RT: 12.93 min Scan# 1836
Delta R.T. 0.17 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

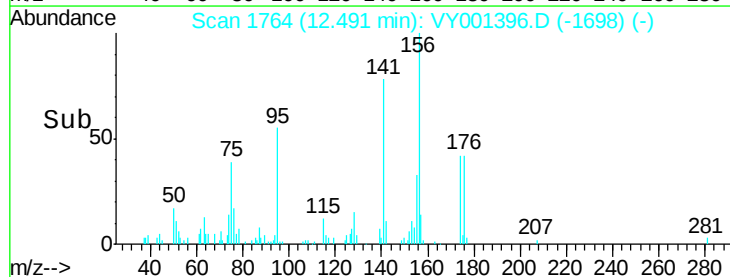
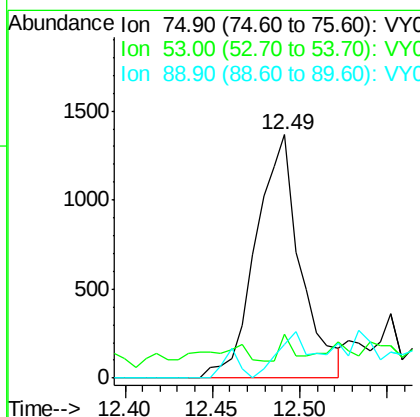
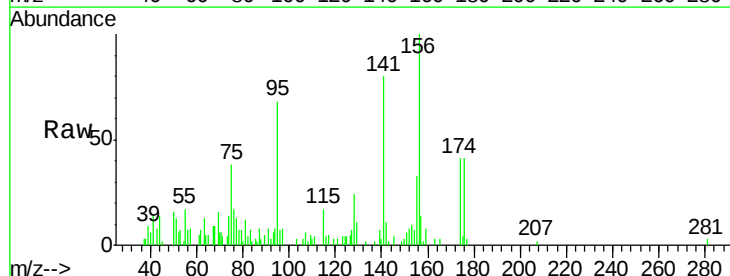
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-012420

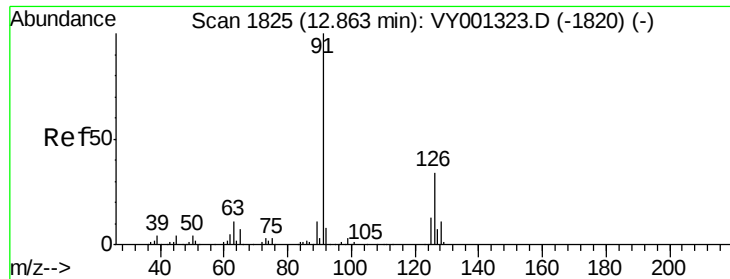
Tot Ion: 91 Resp: 263
Ion Ratio Lower Upper
91 100
126 28.9 16.6 49.7



#81
trans-1,4-Dichloro-2-butene
Concen: 107.756 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.10 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion: 75 Resp: 2418
Ion Ratio Lower Upper
75 100
53 3.0 69.9 104.9#
89 15.6 36.6 54.8#

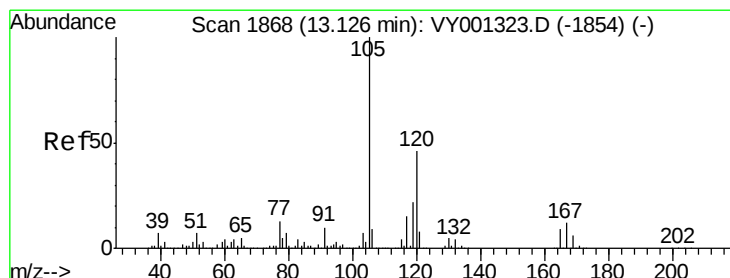
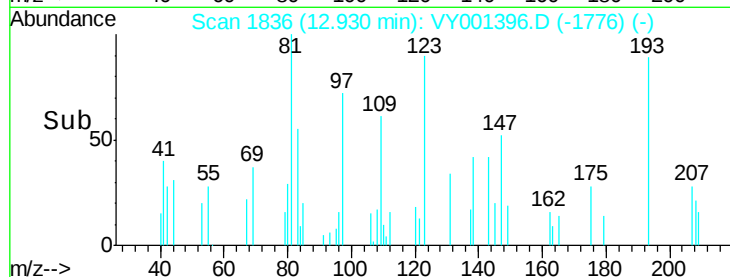
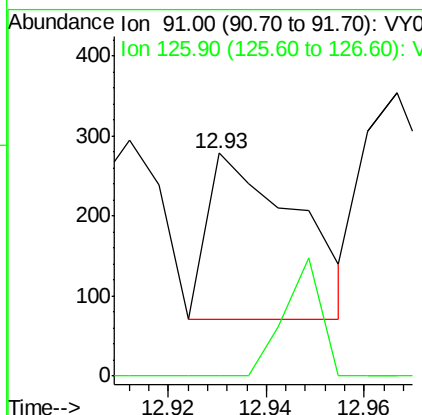
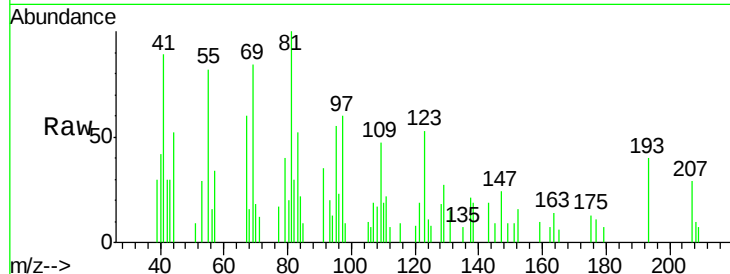




#82
4-Chlorotoluene
Concen: 1.288 ug/l
RT: 12.93 min Scan# 1836
Delta R.T. 0.07 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

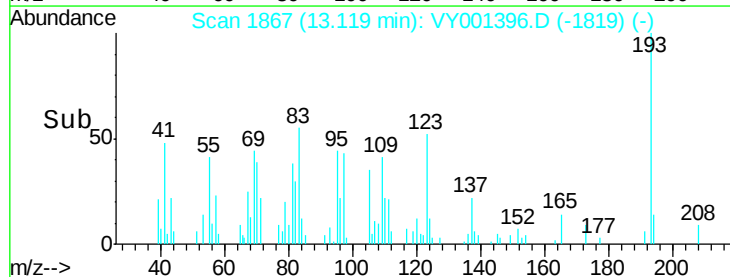
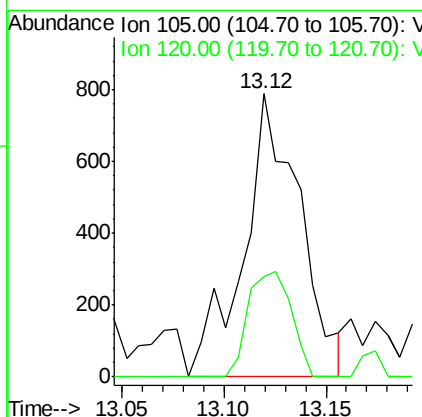
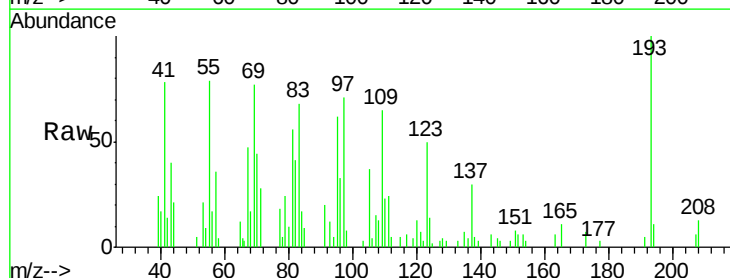
Instrument :
MSVOA_Y
ClientSampled :
TR-04-012420

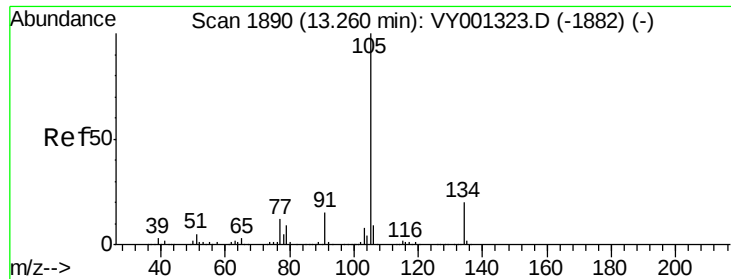
Tot Ion: 91 Resp: 263
Ion Ratio Lower Upper
91 100
126 28.9 16.4 49.4



#84
1,2,4-Trimethylbenzene
Concen: 6.510 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY001396.D
Acq: 24 Jan 2020 20:22

Tgt Ion: 105 Resp: 1517
Ion Ratio Lower Upper
105 100
120 28.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 3.471 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampled :

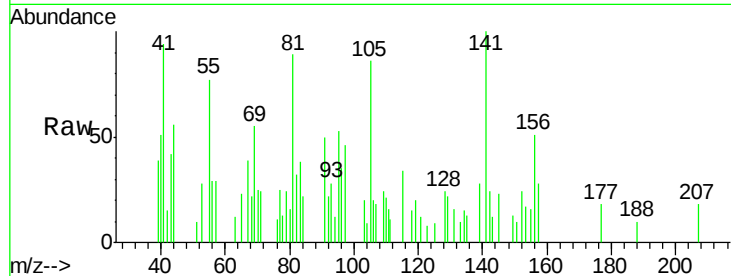
TR-04-012420

Tot Ion:105 Resp: 965

Ion Ratio Lower Upper

105 100

134 23.8 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

600

500

400

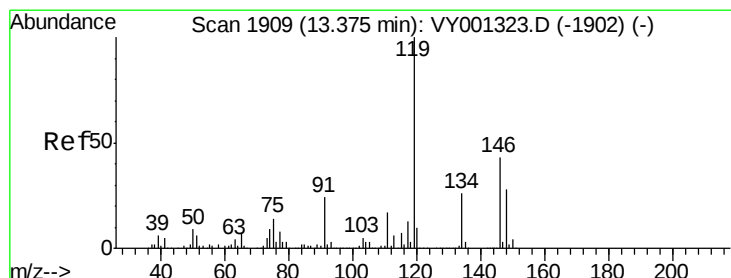
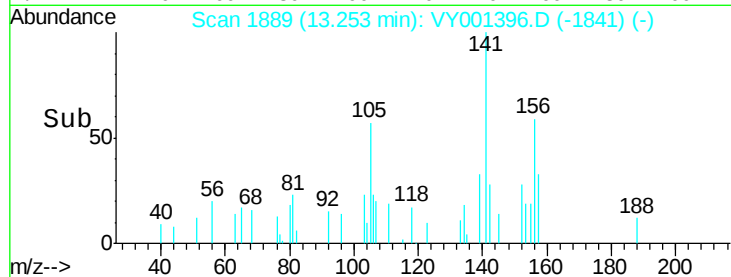
300

200

100

0

Time-->



#86

p-Isopropyltoluene

Concen: 1.625 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

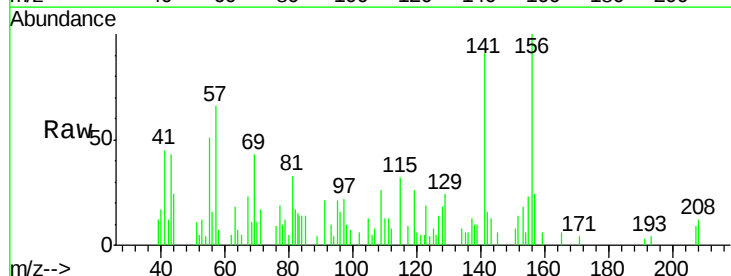
Tgt Ion:119 Resp: 398

Ion Ratio Lower Upper

119 100

134 21.6 13.5 40.4

91 60.6 12.2 36.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

500

400

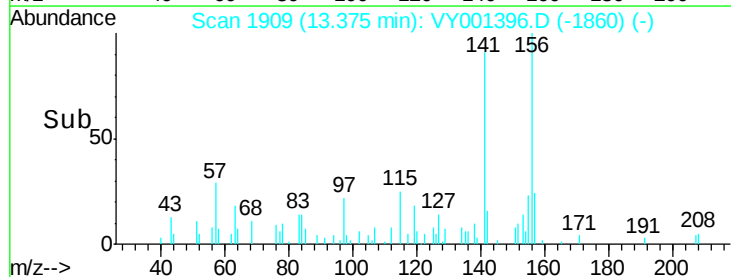
300

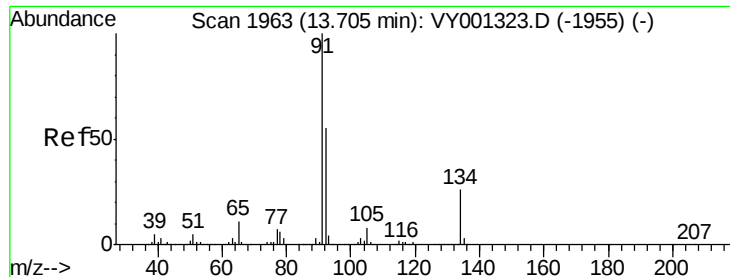
200

100

0

Time-->





#89

n-Butylbenzene

Concen: 6.859 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-012420

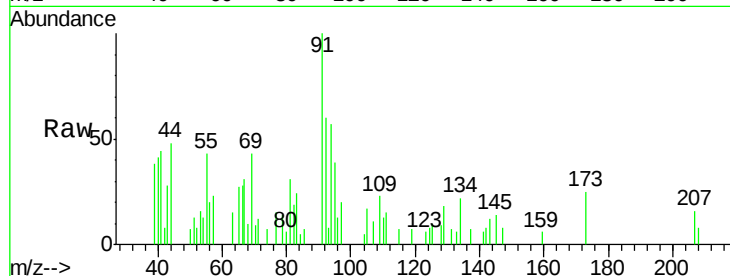
Tot Ion: 91 Resp: 1691

Ion Ratio Lower Upper

91 100

92 48.0 27.6 82.8

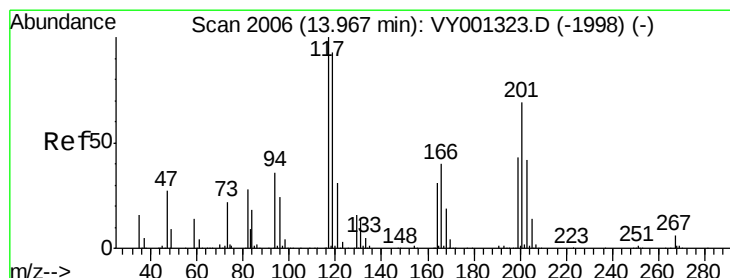
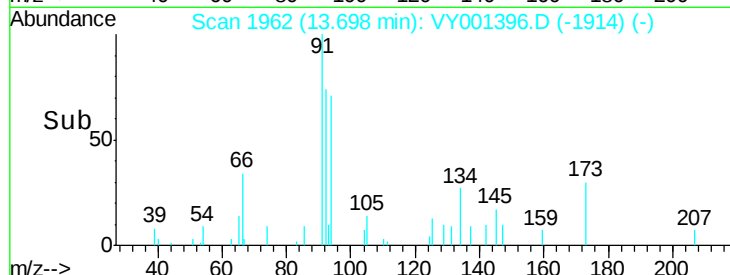
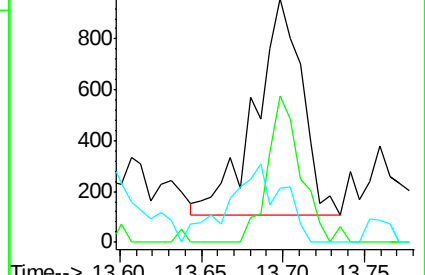
134 41.5 12.9 38.6#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): VY0



#90

Hexachloroethane

Concen: 11.026 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VY001396.D

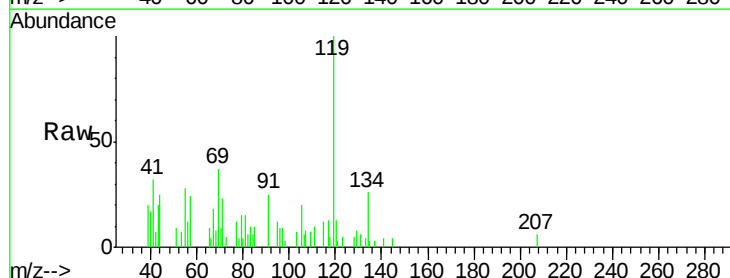
Acq: 24 Jan 2020 20:22

Tgt Ion: 117 Resp: 512

Ion Ratio Lower Upper

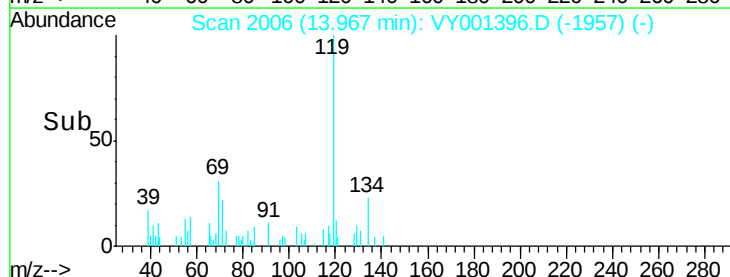
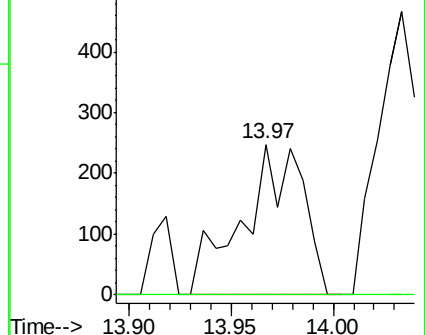
117 100

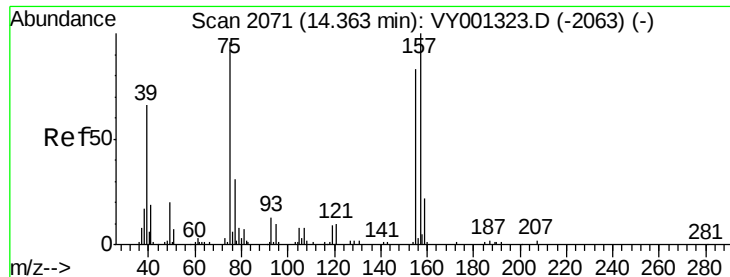
201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 45.152 ug/l

RT: 14.57 min Scan# 2105

Delta R.T. 0.21 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-012420

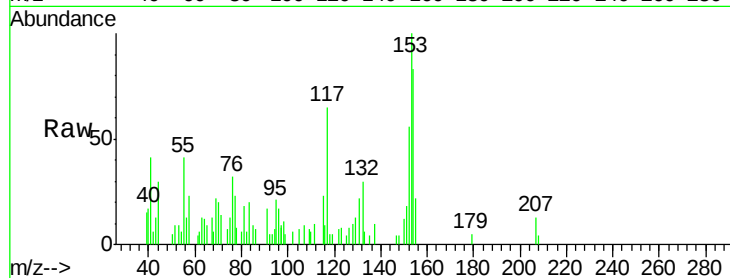
Tot Ion: 75 Resp: 464

Ion Ratio Lower Upper

75 100

155 154.5 43.0 129.2#

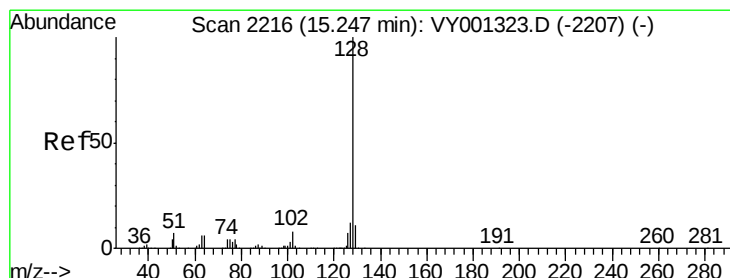
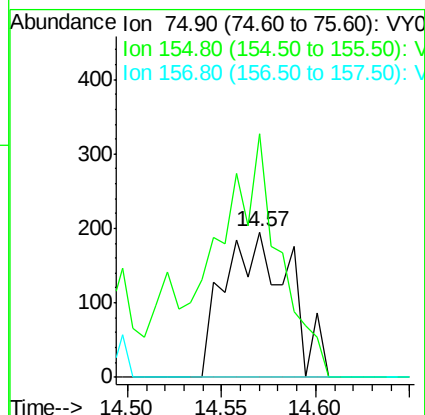
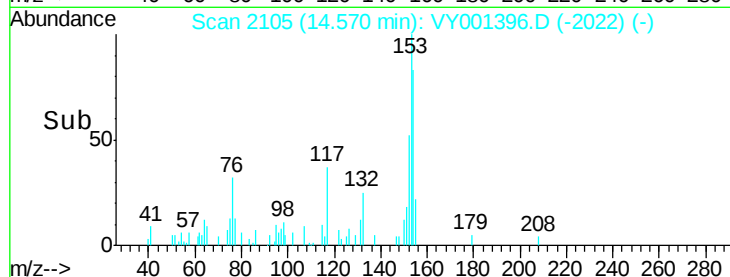
157 0.0 53.3 160.0#



Abundance Ion 74.90 (74.60 to 75.60): VY001396.D (-2022) (-)

Ion 154.80 (154.50 to 155.50): VY001396.D (-2022) (-)

Ion 156.80 (156.50 to 157.50): VY001396.D (-2022) (-)



#95

Naphthalene

Concen: 42.416 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001396.D

Acq: 24 Jan 2020 20:22

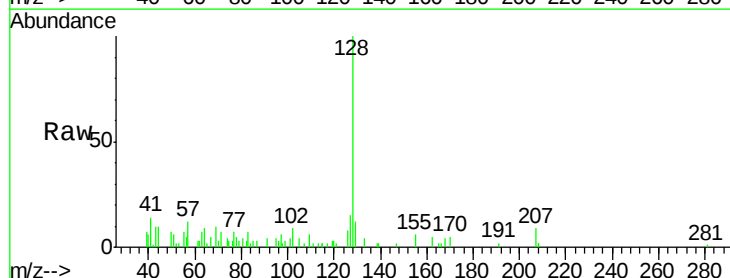
Tgt Ion: 128 Resp: 7121

Ion Ratio Lower Upper

128 100

127 16.6 10.2 15.2#

129 19.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VY001396.D (-2167) (-)

Ion 127.00 (126.70 to 127.70): VY001396.D (-2167) (-)

Ion 129.00 (128.70 to 129.70): VY001396.D (-2167) (-)

