

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000755.D
 Acq On : 20 Nov 2019 16:32
 Operator : SY/MD
 Sample : K5957-12
 Misc : 5.44G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 07:43:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	6577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	11767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	11026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.40	152	98481	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	4380	64.35	ug/l	0.00
Spiked Amount			Recovery	=	128.70%	
35) Dibromofluoromethane	7.72	113	2442	35.35	ug/l	-0.01
Spiked Amount			Recovery	=	70.70%	
50) Toluene-d8	10.17	98	39916	152.28	ug/l	0.00
Spiked Amount			Recovery	=	304.56%	
62) 4-Bromofluorobenzene	12.47	95	535934	5370.72	ug/l	0.00
Spiked Amount			Recovery	=	10741.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	283	3.173	ug/l #	43
4) Vinyl Chloride	2.32	62	85	1.026	ug/l #	43
5) Bromomethane	2.67	94	260	5.235	ug/l #	40
10) Methyl Iodide	4.10	142	308	6.438	ug/l #	41
11) Tert butyl alcohol	4.94	59	79	11.924	ug/l #	72
13) Acrolein	3.76	56	130	22.526	ug/l #	14
14) Allyl chloride	4.51	41	155	1.451	ug/l #	24
15) Acrylonitrile	5.27	53	22	1.081	ug/l #	18
16) Acetone	3.94	43	569	30.332	ug/l #	59
20) Methylene Chloride	4.71	84	297	3.695	ug/l #	26
25) 2-Butanone	7.00	43	249	8.317	ug/l #	49
29) Tetrahydrofuran	7.36	42	28	1.529	ug/l #	35
31) Cyclohexane	7.79	56	11869	90.088	ug/l #	77
38) Carbon Tetrachloride	7.78	117	735	6.867	ug/l #	11
39) Methylcyclohexane	9.19	83	119652	832.575	ug/l	96
40) Benzene	8.16	78	761	2.333	ug/l	95
43) Isopropyl Acetate	8.28	43	2273	18.321	ug/l #	53
44) Trichloroethene	8.94	130	672	7.815	ug/l	49
45) 1,2-Dichloropropane	9.18	63	1107	13.792	ug/l #	1
47) Bromodichloromethane	9.47	83	1481	14.139	ug/l #	34
48) Methyl methacrylate	9.24	41	4988	92.019	ug/l #	40
51) 4-Methyl-2-Pentanone	10.17	43	18392	278.831	ug/l #	41
52) Toluene	10.24	92	252	1.222	ug/l #	33
54) cis-1,3-Dichloropropene	10.17	75	184	1.435	ug/l #	1
55) 1,1,2-Trichloroethane	10.62	97	122466	1918.082	ug/l #	18
56) Ethyl methacrylate	10.52	69	55133	609.242	ug/l #	1
59) 2-Hexanone	10.80	43	495530	10310.903	ug/l #	29
60) Dibromochloromethane	11.21	129	2841	38.847	ug/l	93
61) 1,2-Dibromoethane	11.10	107	761	12.396	ug/l #	1
64) Tetrachloroethene	10.72	164	4446	48.765	ug/l	88
65) Chlorobenzene	11.63	112	59571	266.478	ug/l #	43
67) Ethyl Benzene	11.59	91	2442084	5935.615	ug/l	99
68) m/p-Xylenes	11.70	106	76323	479.296	ug/l #	60
69) o-Xylene	12.03	106	280731	1875.819	ug/l	83

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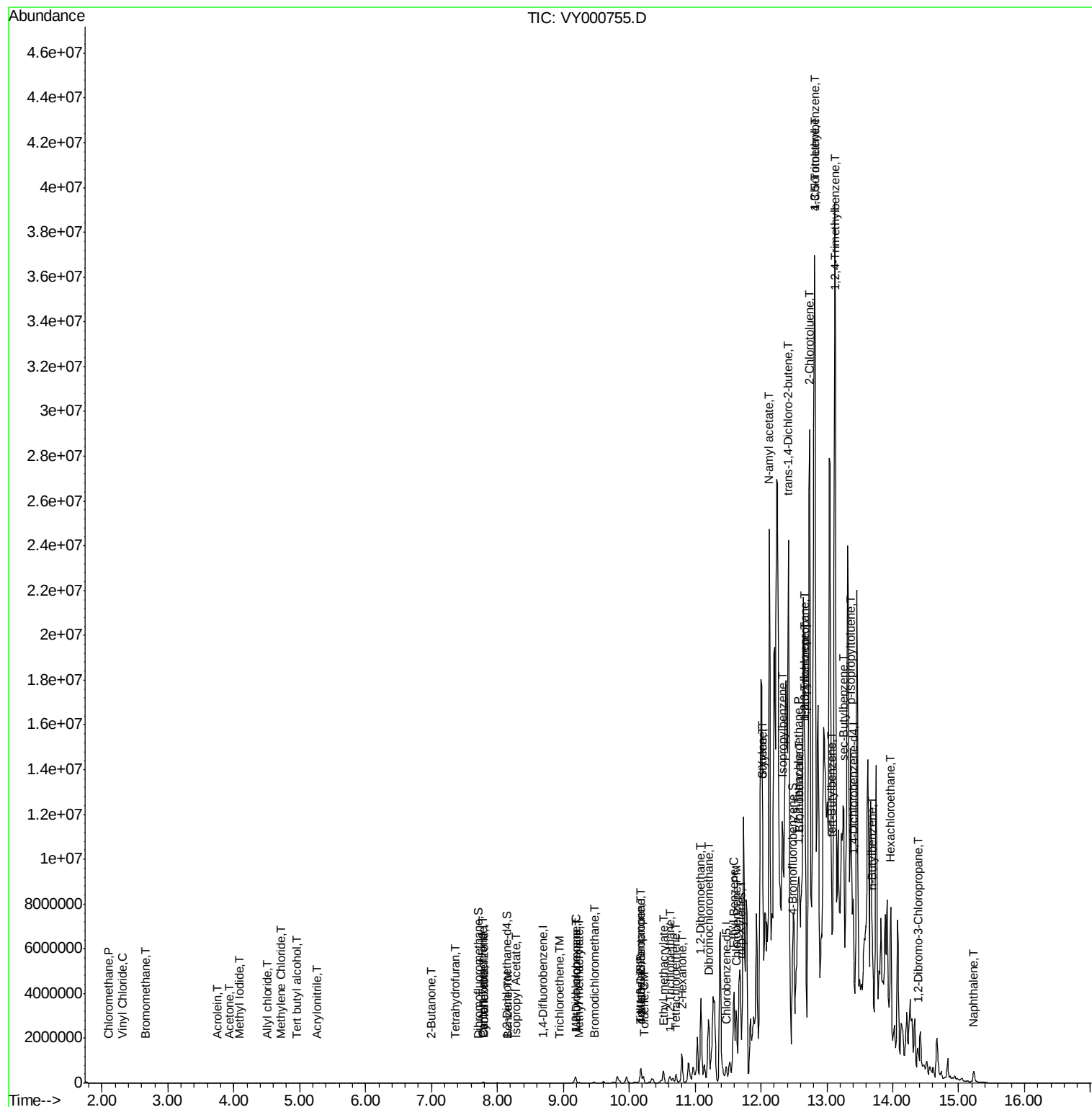
70) Styrene	12.03	104	13840	54.006	ug/l #	1
73) Isopropylbenzene	12.33	105	2146682	294.934	ug/l	100
74) N-amyl acetate	12.13	43	4857490	2330.235	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.56	83	487287	338.124	ug/l #	25
76) 1,2,3-Trichloropropane	12.67	75	41056	36.613	ug/l #	100
77) Bromobenzene	12.58	156	9655	5.850	ug/l #	1
78) n-propylbenzene	12.67	91	6264961	713.378	ug/l	99
79) 2-Chlorotoluene	12.74	91	1732543	355.360	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.81	105	8978602	1481.153	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	1815	3.629	ug/l #	1
82) 4-Chlorotoluene	12.81	91	1196253	236.703	ug/l #	51
83) tert-Butylbenzene	13.08	119	408154	78.857	ug/l	90
84) 1,2,4-Trimethylbenzene	13.11	105	17977341	2978.558	ug/l	82
85) sec-Butylbenzene	13.25	105	2777389	376.639	ug/l #	70
86) p-Isopropyltoluene	13.37	119	2491174	379.046	ug/l	98
89) n-Butylbenzene	13.69	91	1831013	282.468	ug/l #	79
90) Hexachloroethane	13.97	117	247532	203.729	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.38	75	2086	8.179	ug/l #	1
95) Naphthalene	15.23	128	406716	91.732	ug/l	99

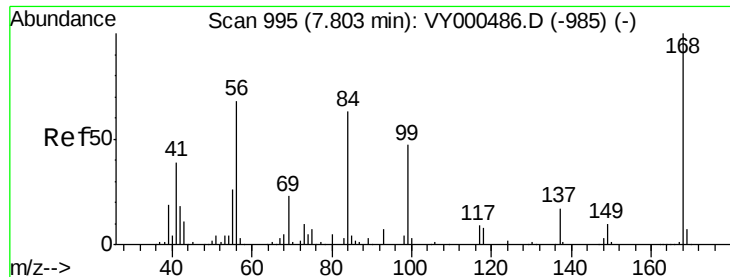
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

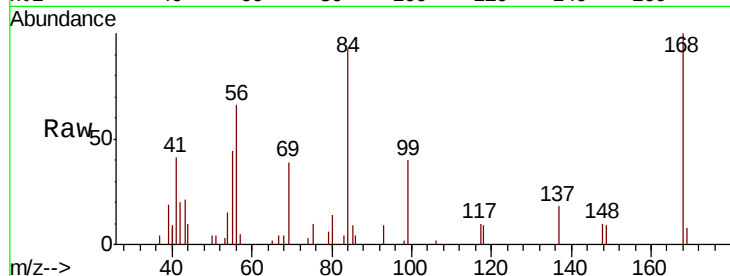
ClientSampleId :

Tot Ion:168 Resp: 6577

Ion Ratio Lower Upper

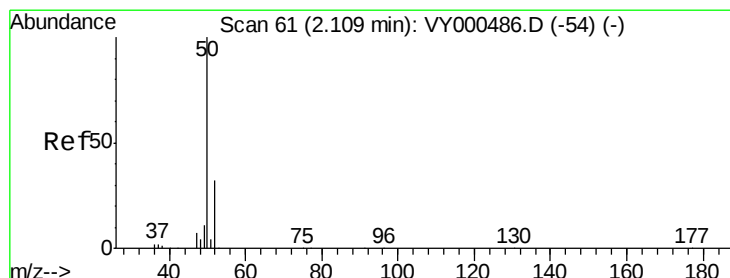
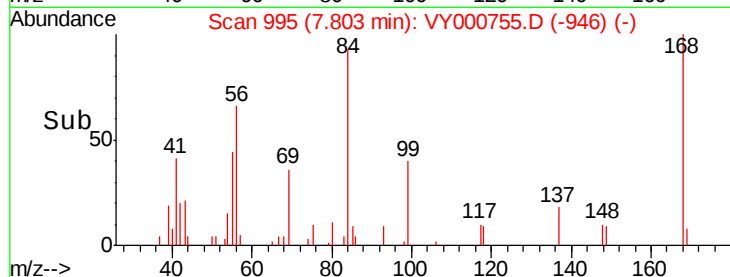
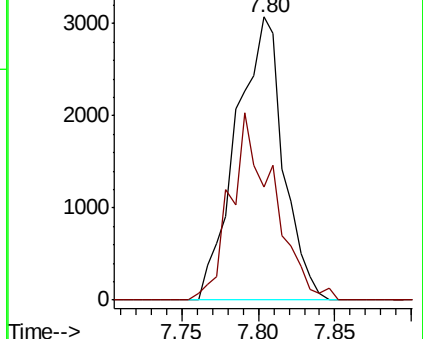
168 100

99 40.0 45.7 68.5#



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



#3

Chloromethane

Concen: 3.173 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000755.D

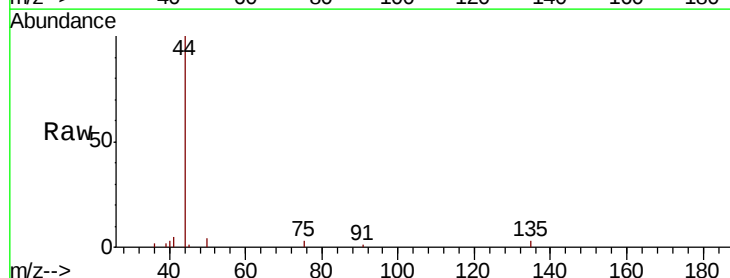
Acq: 20 Nov 2019 16:32

Tgt Ion: 50 Resp: 283

Ion Ratio Lower Upper

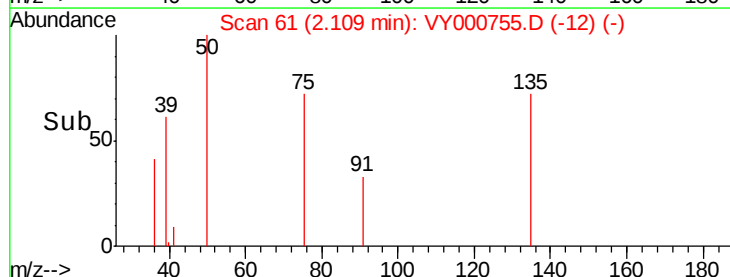
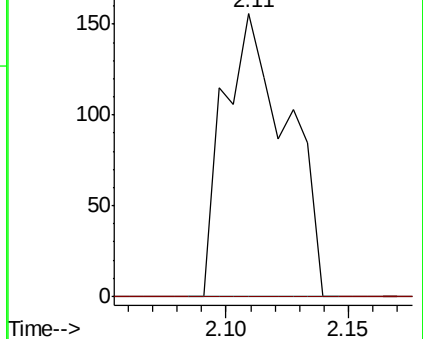
50 100

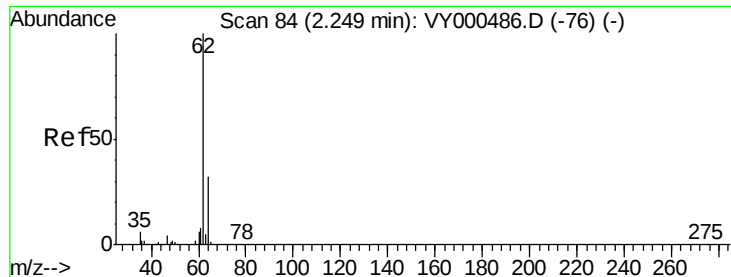
52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)





#4

Vinyl Chloride

Concen: 1.026 ug/l

RT: 2.32 min Scan# 96

Delta R.T. 0.07 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

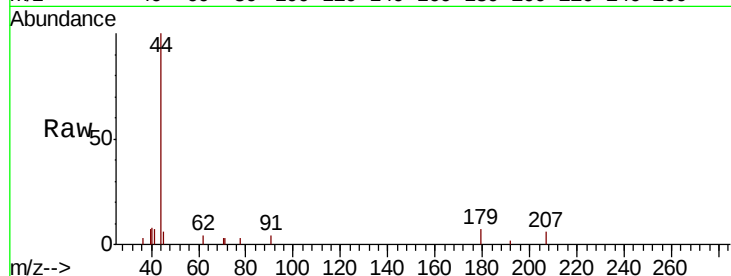
ClientSampled :

Tot Ion: 62 Resp: 85

Ion Ratio Lower Upper

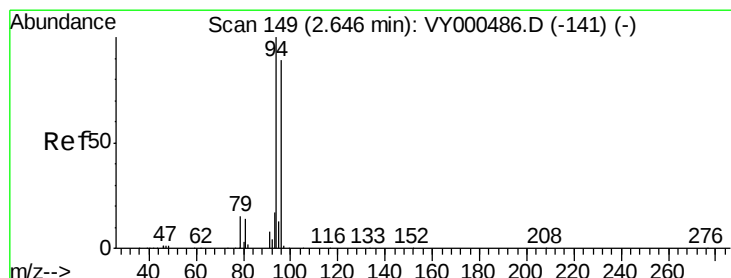
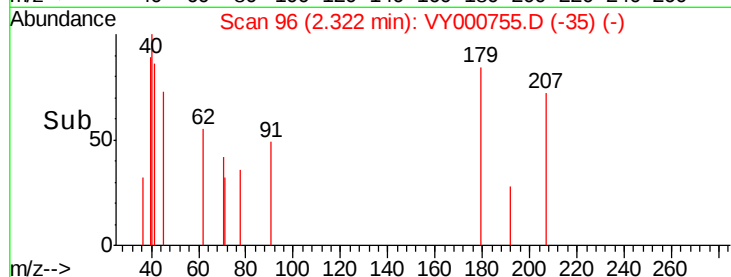
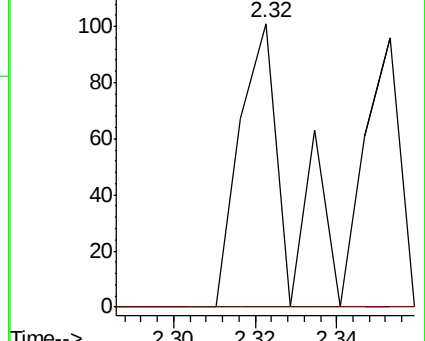
62 100

64 0.0 25.2 37.8#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0



#5

Bromomethane

Concen: 5.235 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.02 min

Lab File: VY000755.D

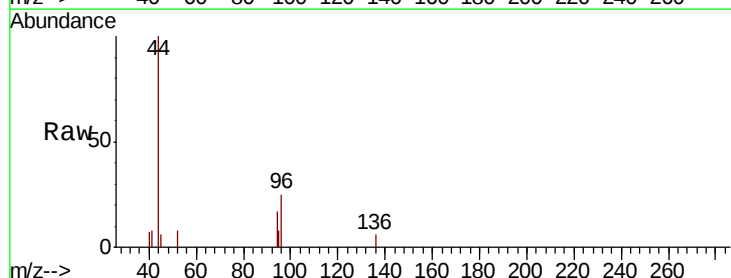
Acq: 20 Nov 2019 16:32

Tgt Ion: 94 Resp: 260

Ion Ratio Lower Upper

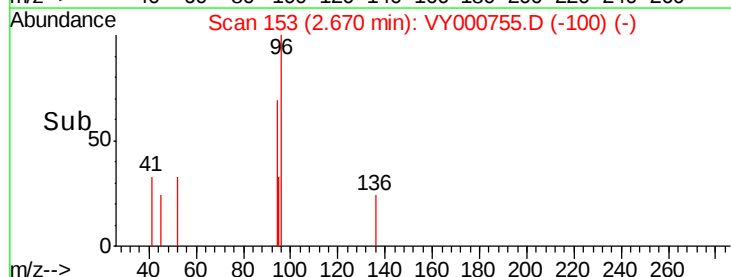
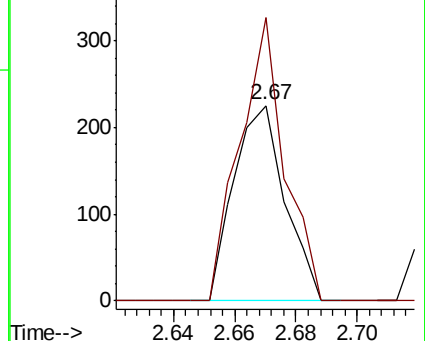
94 100

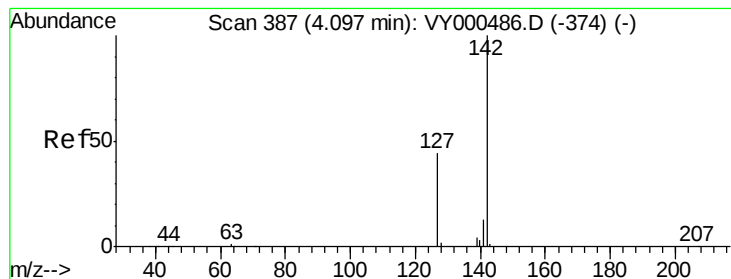
96 145.3 71.2 106.8#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0





#10

Methvl Iodide

Concen: 6.438 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampleId :

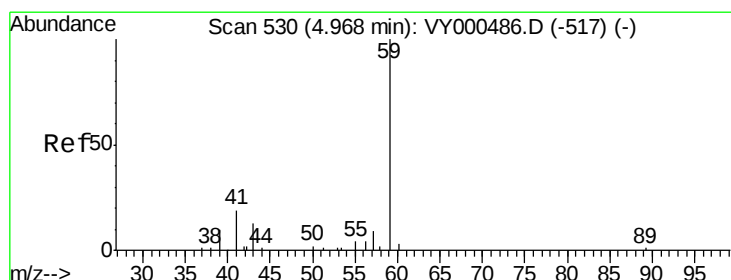
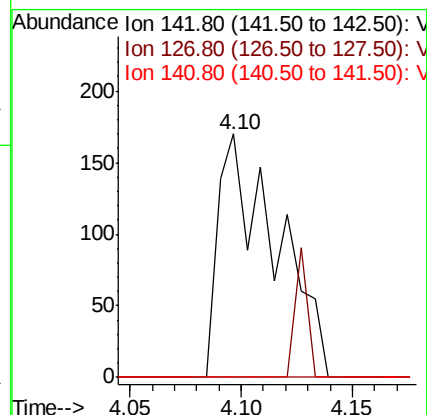
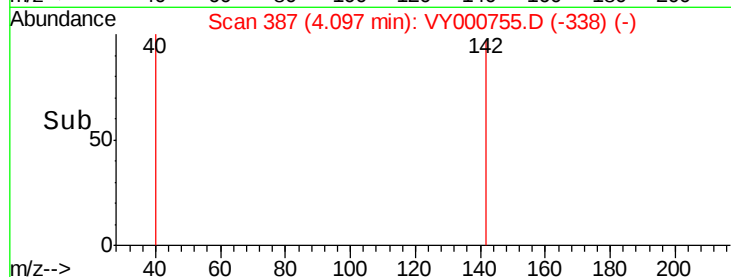
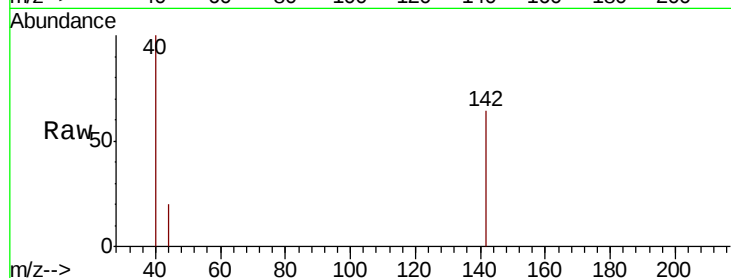
Tot Ion:142 Resp: 308

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



#11

Tert butyl alcohol

Concen: 11.924 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY000755.D

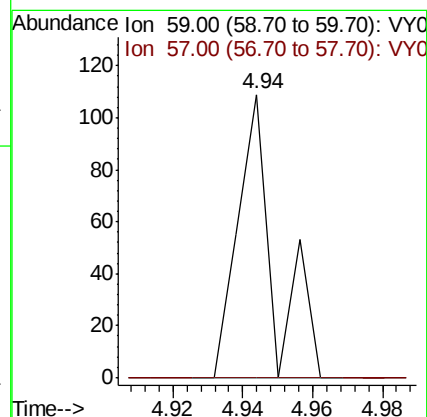
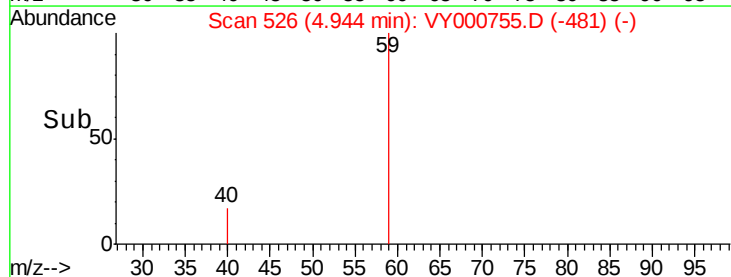
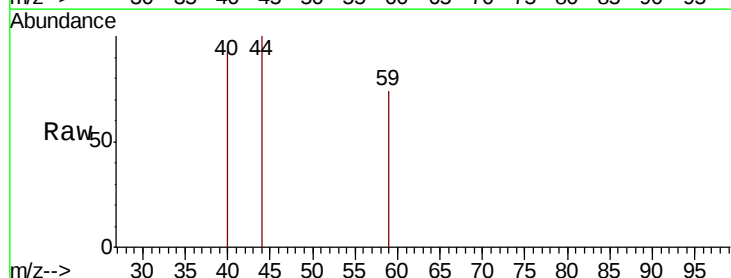
Acq: 20 Nov 2019 16:32

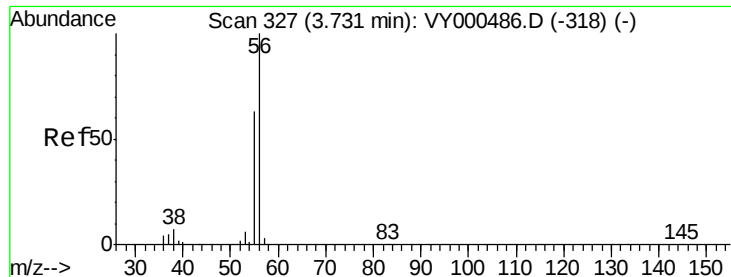
Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#13

Acrolein

Concen: 22.526 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.02 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

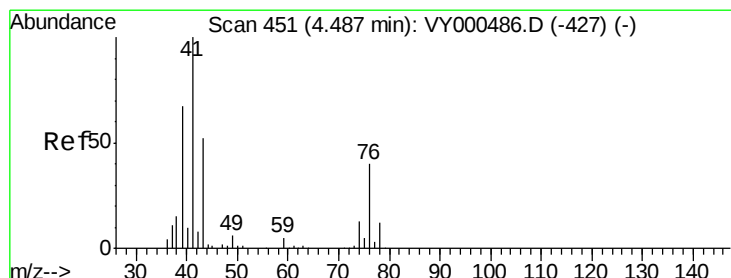
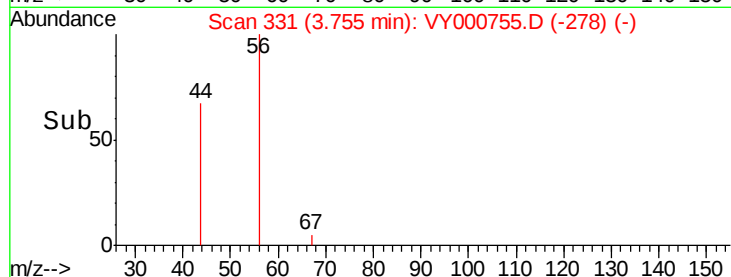
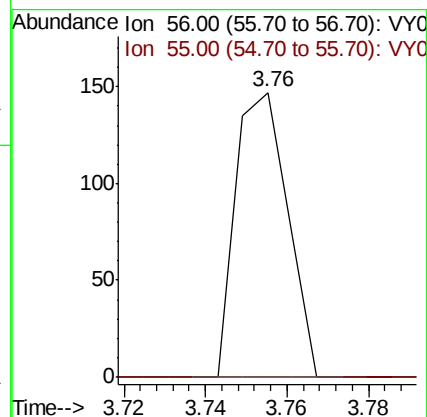
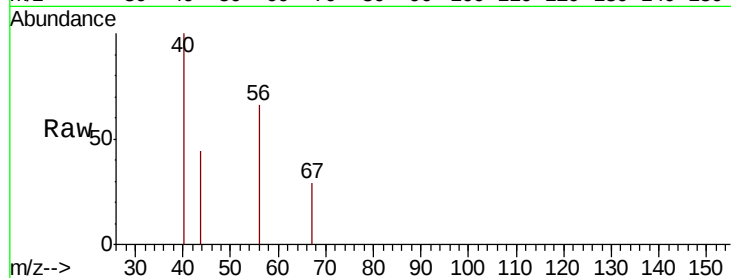
ClientSampleId :

Tot Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#14

Allyl chloride

Concen: 1.451 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.02 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

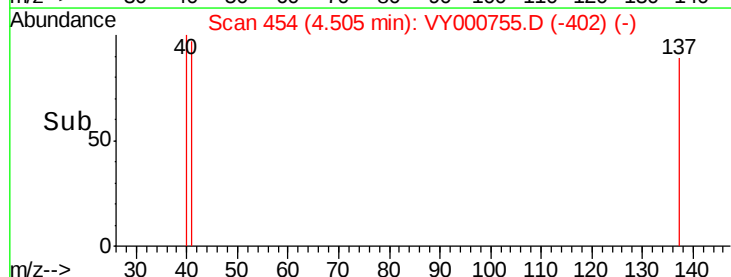
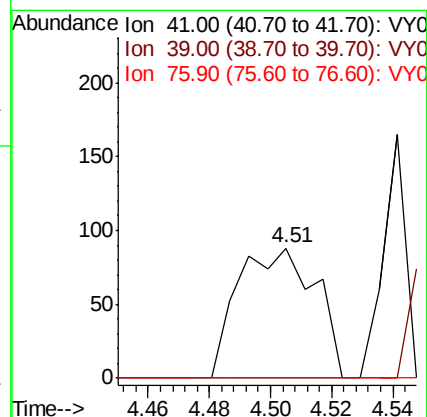
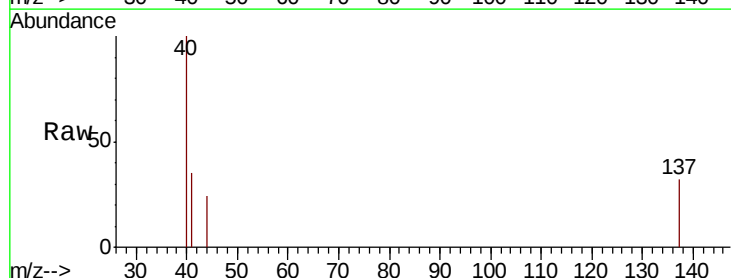
Tgt Ion: 41 Resp: 155

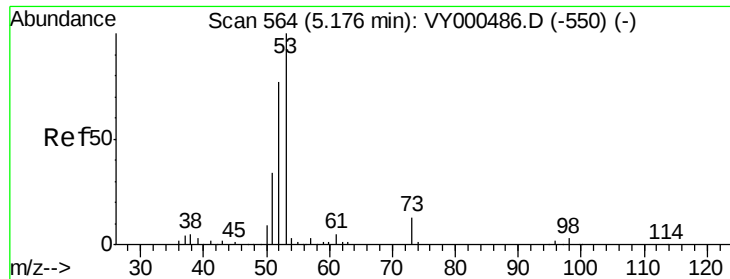
Ion Ratio Lower Upper

41 100

39 0.0 53.6 80.4#

76 0.0 29.8 44.6#





#15

Acrylonitrile

Concen: 1.081 ug/l

RT: 5.27 min Scan# 580

Delta R.T. 0.10 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

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ClientSampleId :

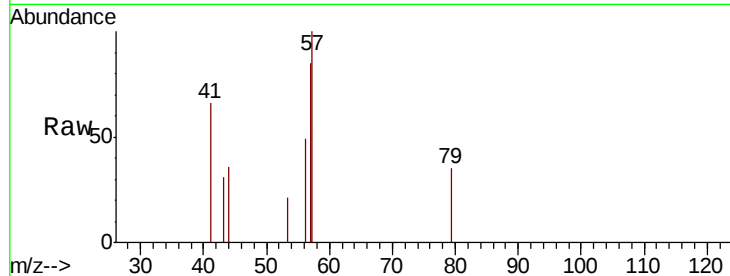
Tot Ion: 53 Resp: 22

Ion Ratio Lower Upper

53 100

52 0.0 64.9 97.3#

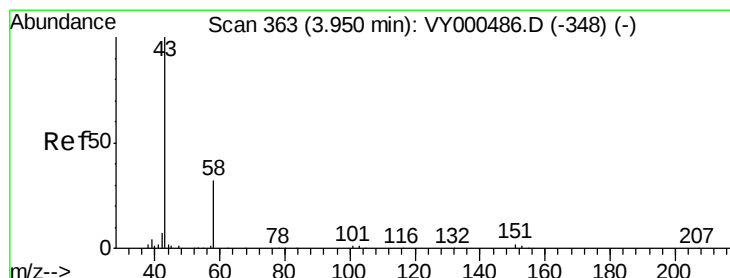
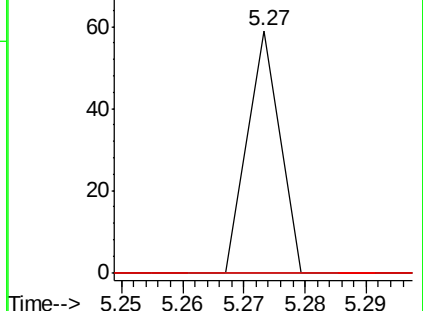
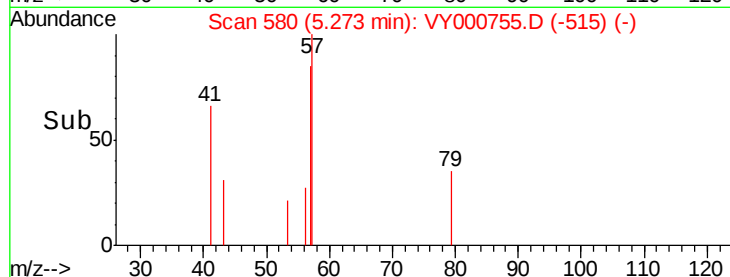
51 0.0 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 30.332 ug/l

RT: 3.94 min Scan# 361

Delta R.T. -0.01 min

Lab File: VY000755.D

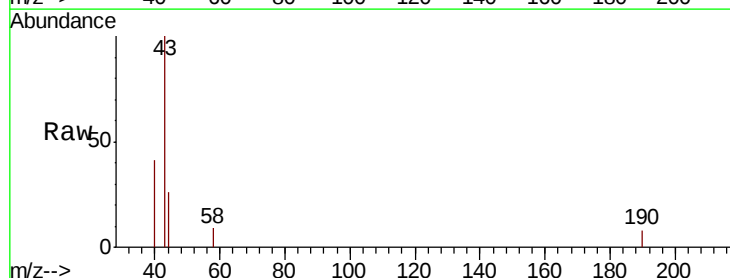
Acq: 20 Nov 2019 16:32

Tgt Ion: 43 Resp: 569

Ion Ratio Lower Upper

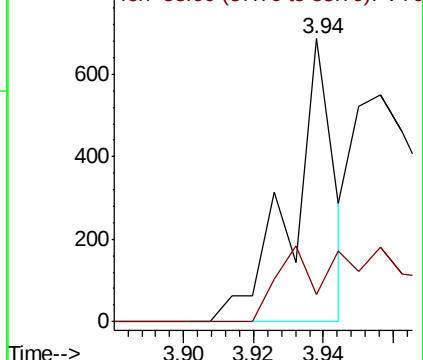
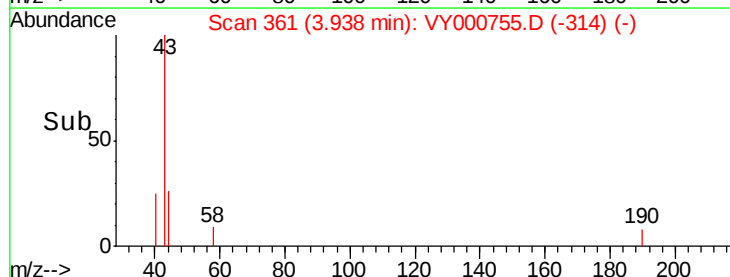
43 100

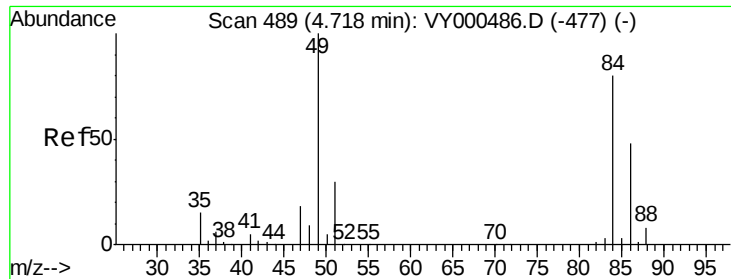
58 9.5 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

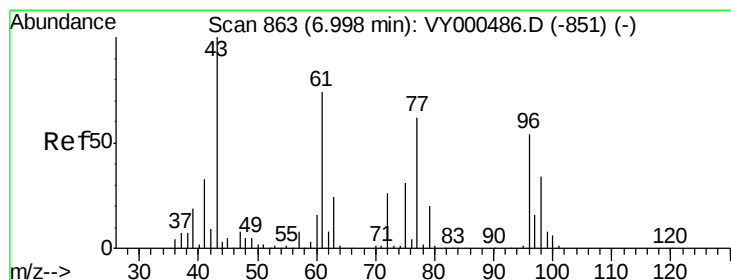
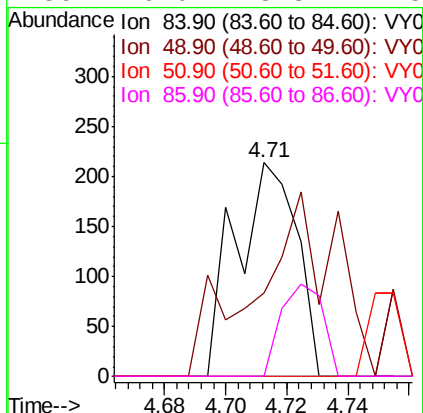
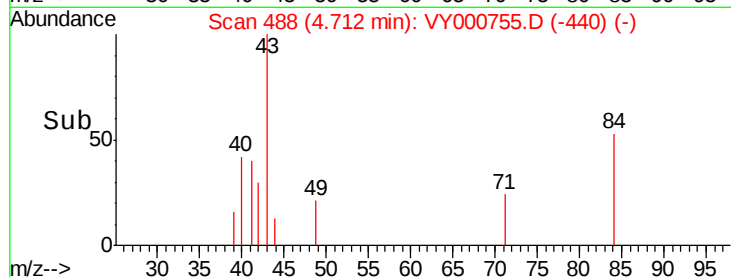
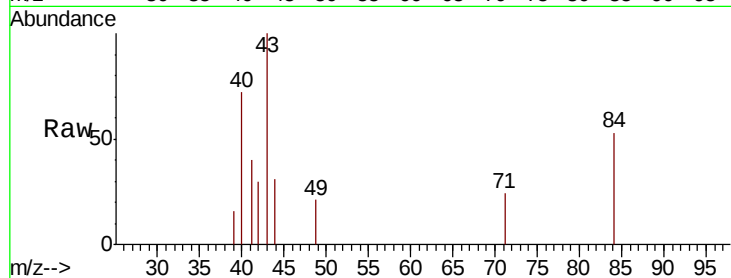




#20
Methvlene Chloride
Concen: 3.695 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

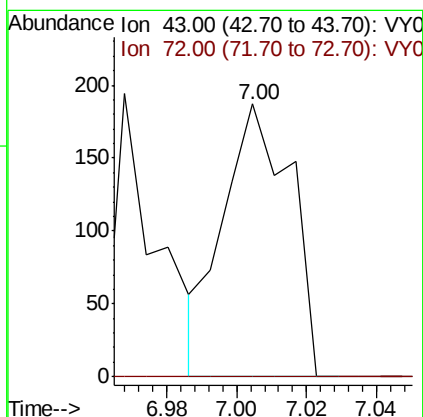
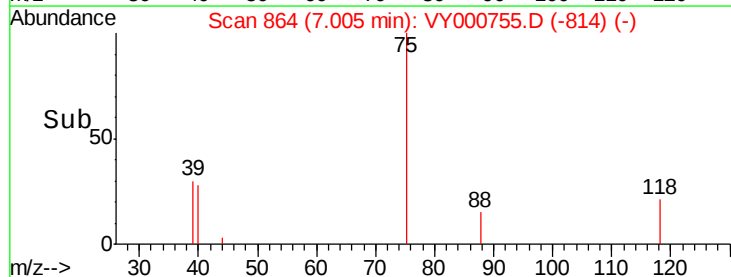
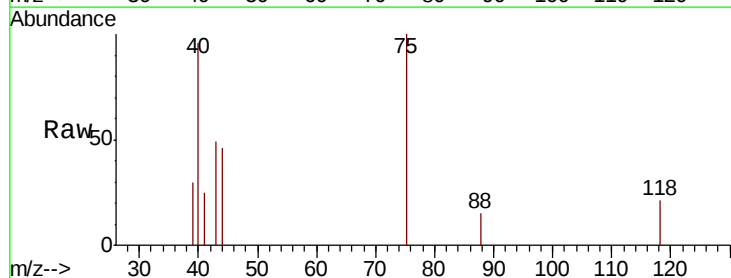
Instrument :
MSVOA_Y
ClientSampled :

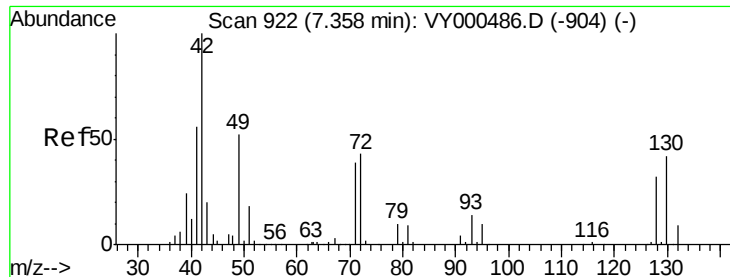
Tot Ion: 84 Resp: 297
Ion Ratio Lower Upper
84 100
49 39.3 100.2 150.4#
51 0.0 29.6 44.4#
86 0.0 48.3 72.5#



#25
2-Butanone
Concen: 8.317 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

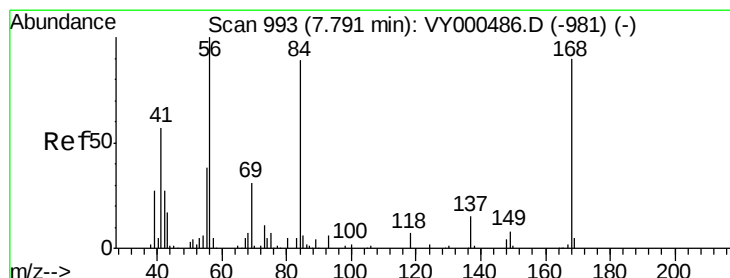
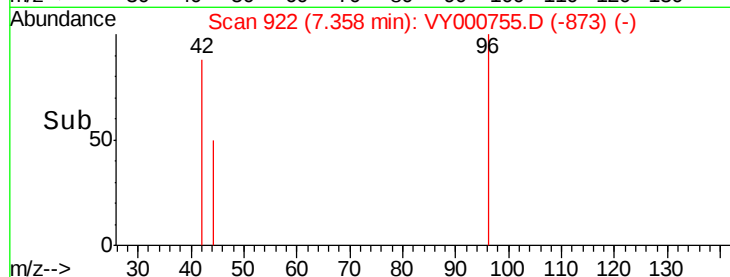
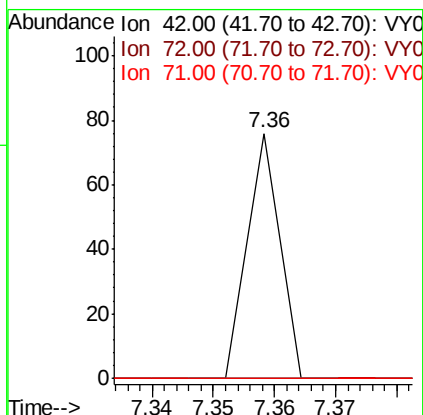
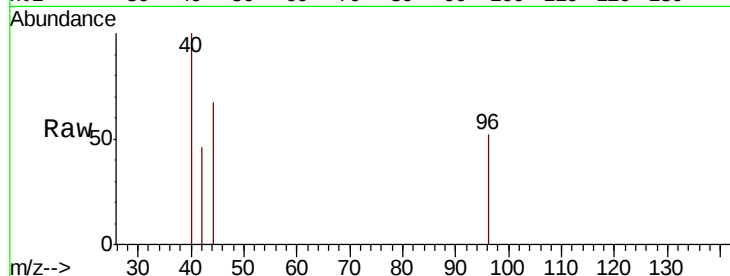




#29
Tetrahydrofuran
Concen: 1.529 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

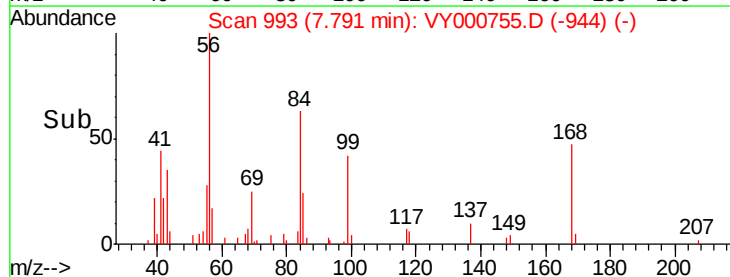
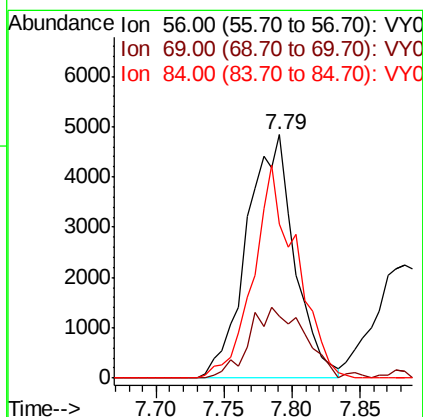
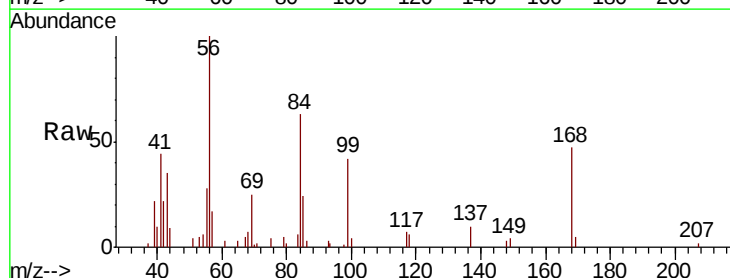
Instrument :
MSVOA_Y
ClientSampleId :

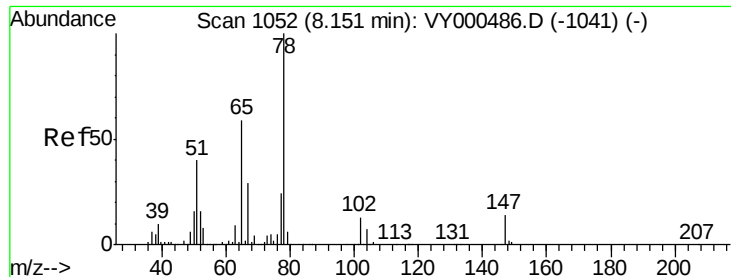
Tot Ion: 42 Resp: 28
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 30.8 46.2#



#31
Cyclohexane
Concen: 90.088 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion: 56 Resp: 11869
Ion Ratio Lower Upper
56 100
69 25.2 25.0 37.6
84 63.2 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 64.352 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

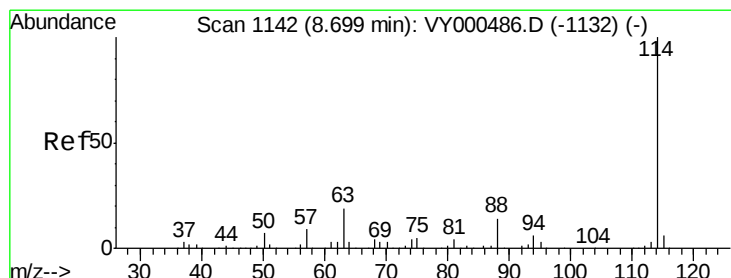
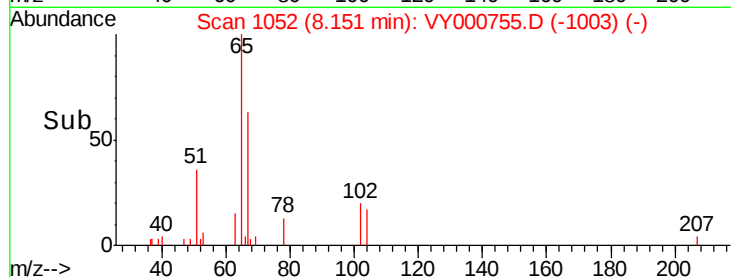
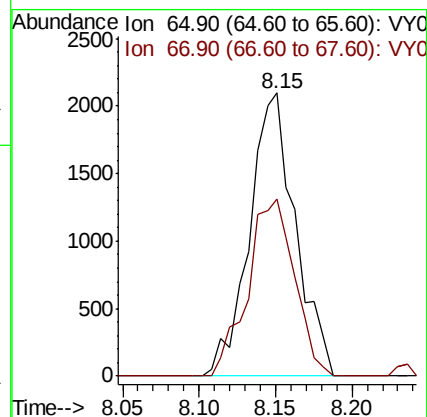
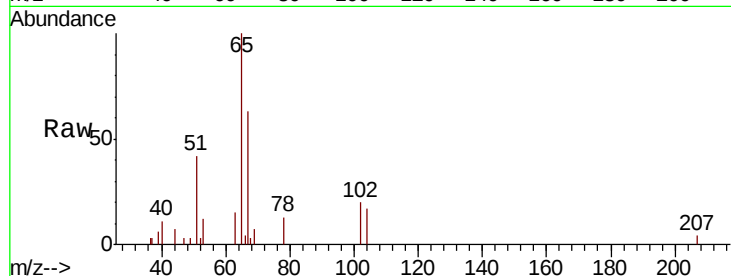
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 4380

Ion Ratio Lower Upper

65 100

67 63.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

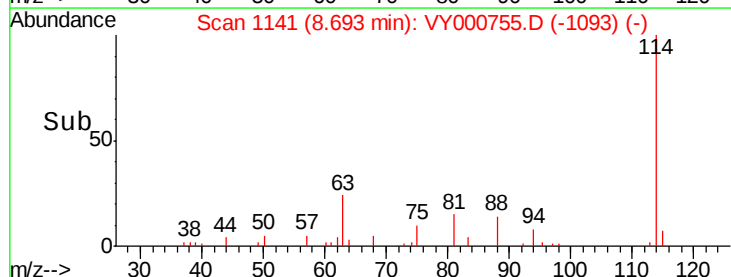
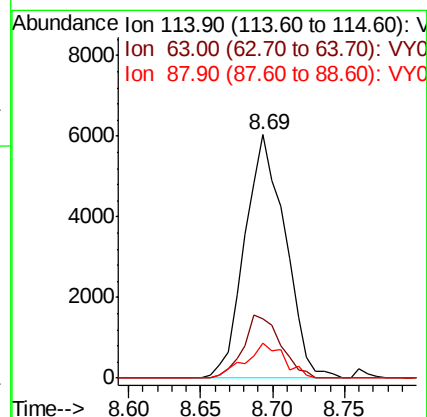
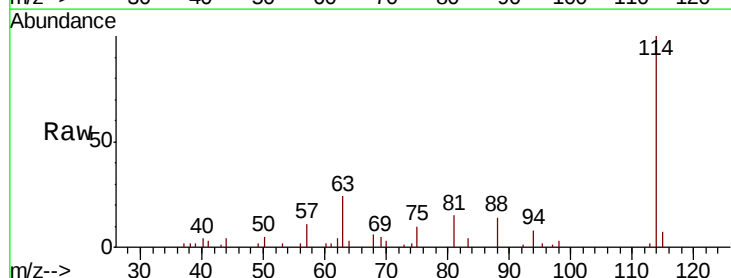
Tgt Ion: 114 Resp: 11767

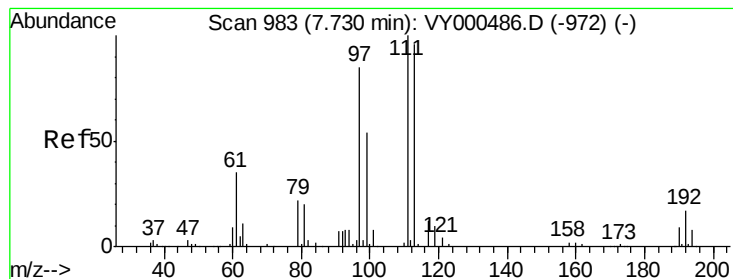
Ion Ratio Lower Upper

114 100

63 24.4 0.0 38.0

88 14.4 0.0 28.6





#35

Dibromofluoromethane

Concen: 35.350 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampleId :

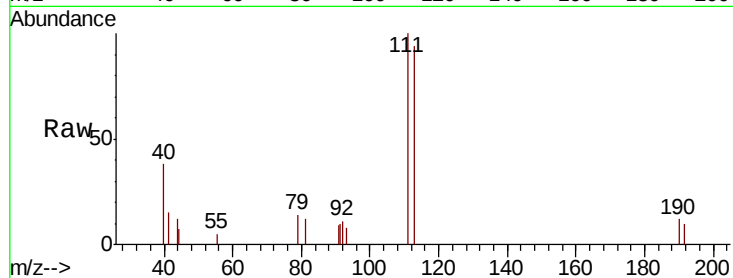
Tot Ion:113 Resp: 2442

Ion Ratio Lower Upper

113 100

111 113.6 81.7 122.5

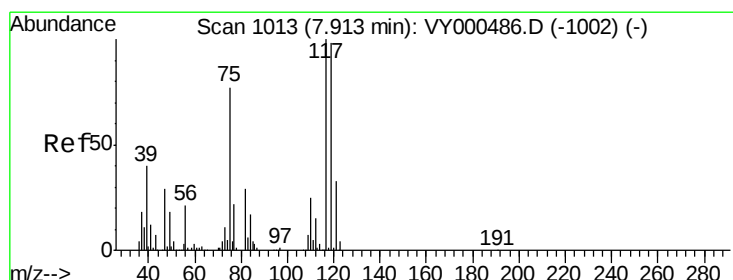
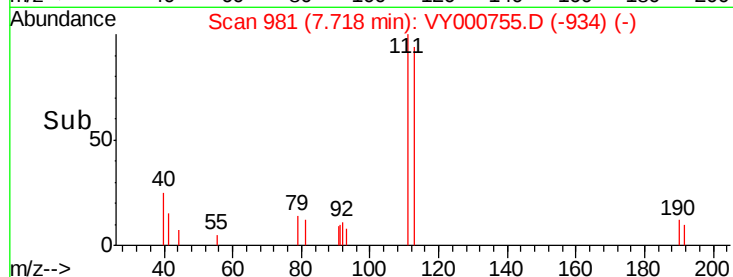
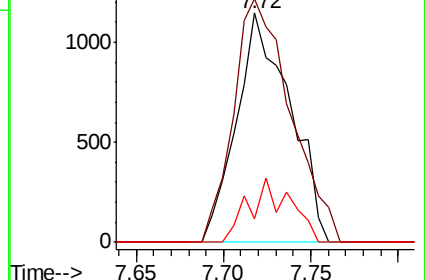
192 21.3 15.0 22.4



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



#38

Carbon Tetrachloride

Concen: 6.867 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.13 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

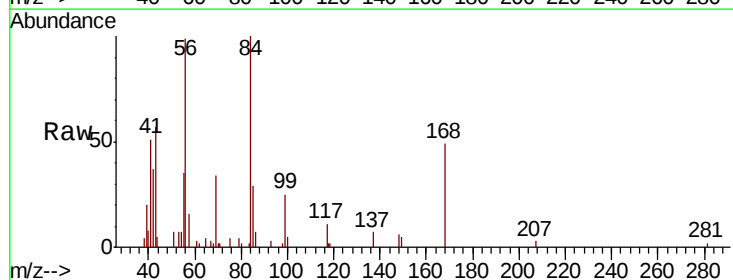
Tgt Ion:117 Resp: 735

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

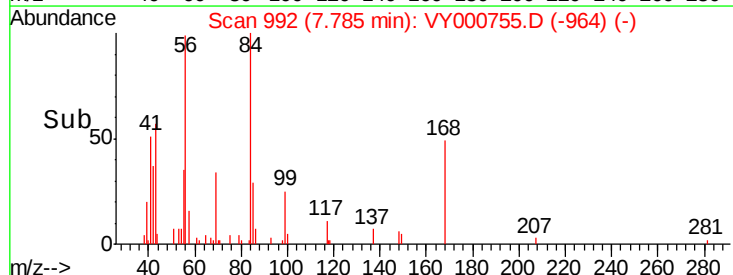
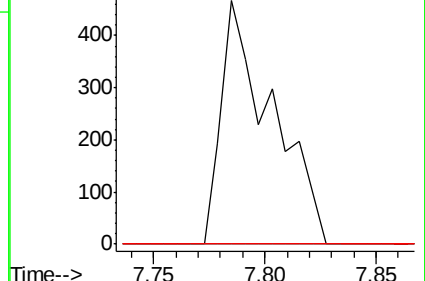
121 0.0 26.6 40.0#

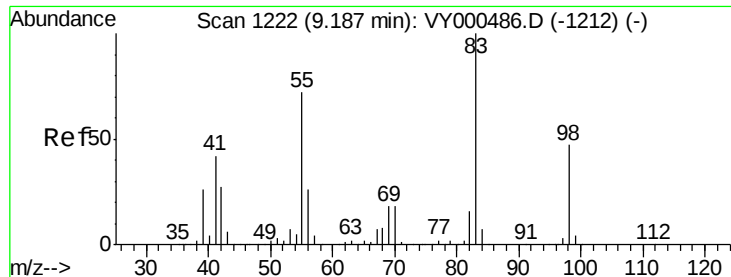


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

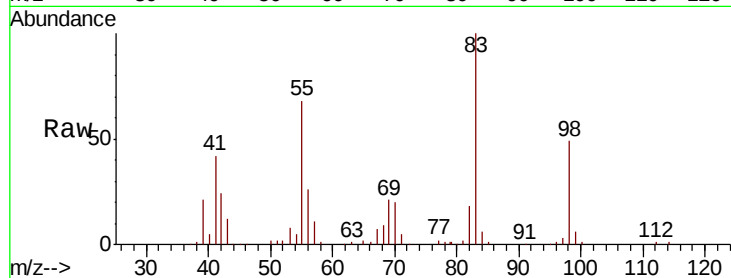




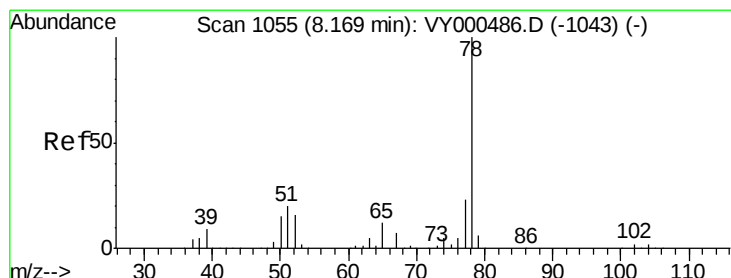
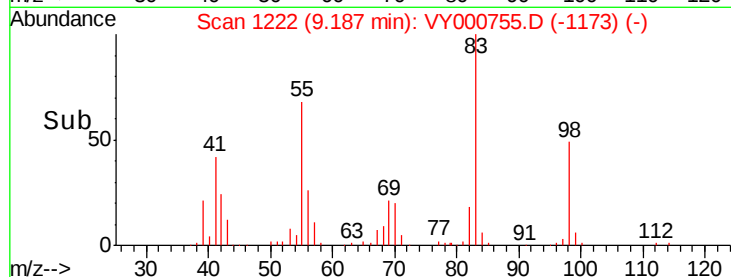
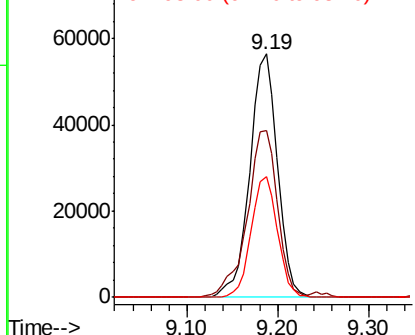
#39
Methvlcvclohexane
Concen: 832.575 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 119652
Ion Ratio Lower Upper
83 100
55 68.4 57.5 86.3
98 49.5 38.0 57.0

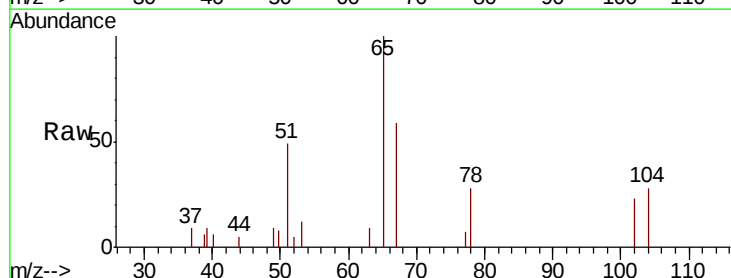


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

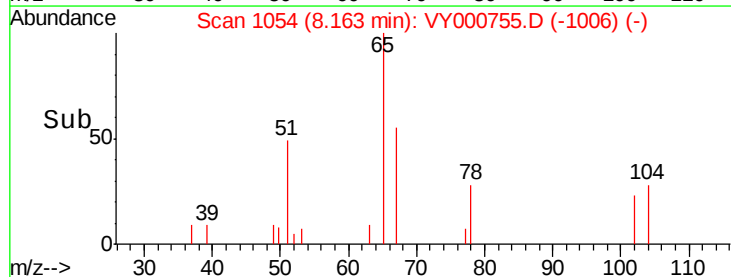
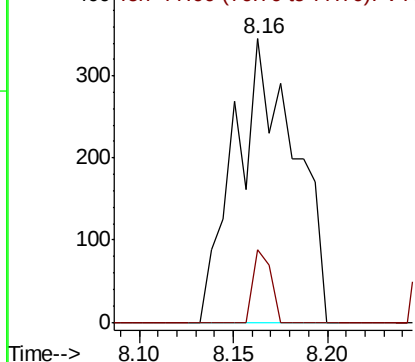


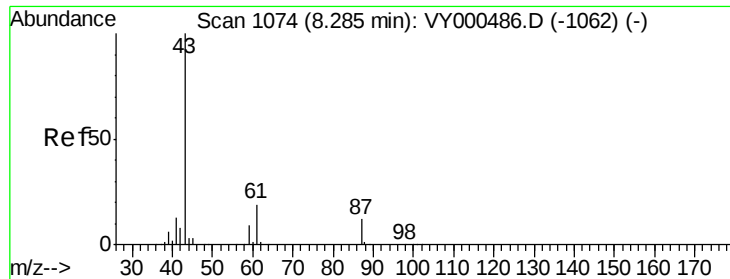
#40
Benzene
Concen: 2.333 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion: 78 Resp: 761
Ion Ratio Lower Upper
78 100
77 25.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0



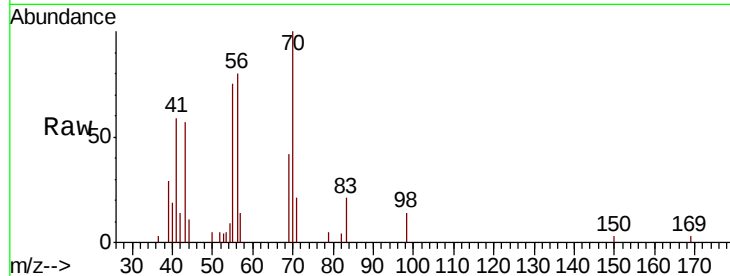


#43

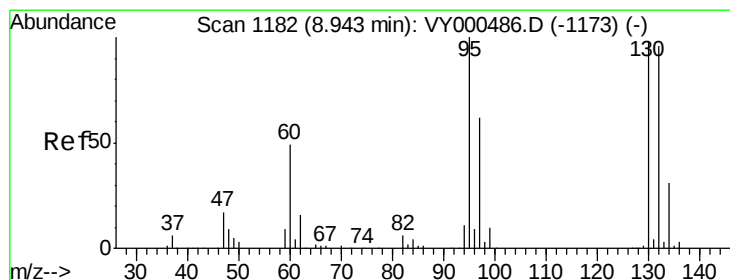
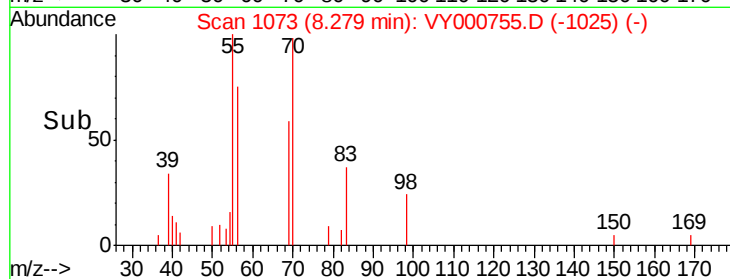
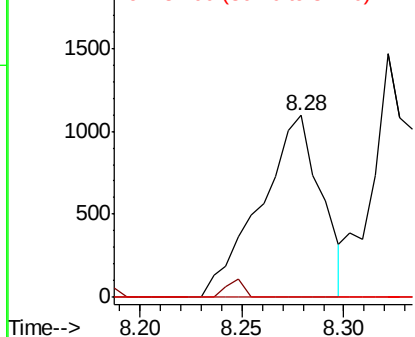
Isopropyl Acetate
 Concen: 18.321 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY000755.D
 Acq: 20 Nov 2019 16:32

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 43 Resp: 2273
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.0 34.4#
 87 0.0 10.5 15.7#



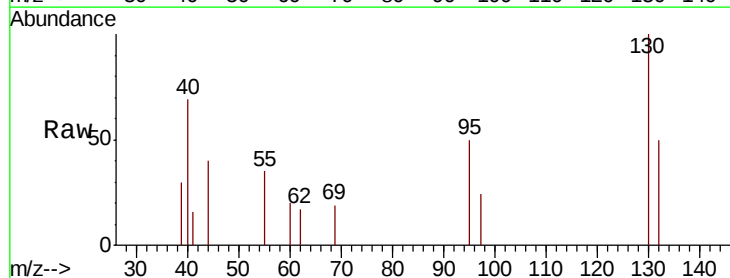
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



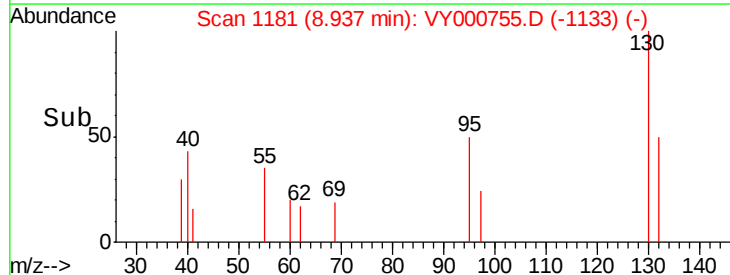
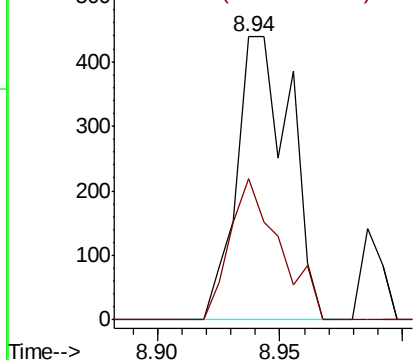
#44

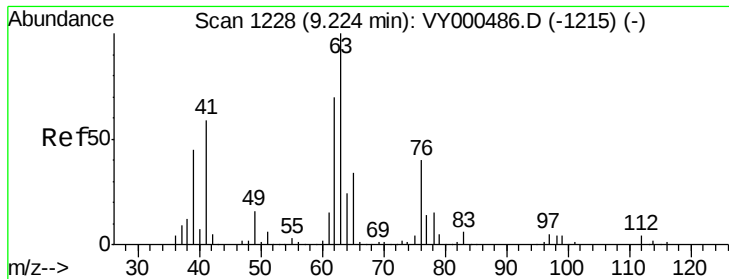
Trichloroethene
 Concen: 7.815 ug/l
 RT: 8.94 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VY000755.D
 Acq: 20 Nov 2019 16:32

Tgt Ion: 130 Resp: 672
 Ion Ratio Lower Upper
 130 100
 95 49.8 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 13.792 ug/l

RT: 9.18 min Scan# 1221

Delta R.T. -0.04 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

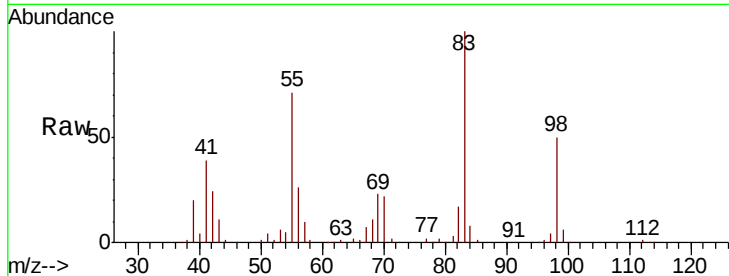
ClientSampleId :

Tot Ion: 63 Resp: 1107

Ion Ratio Lower Upper

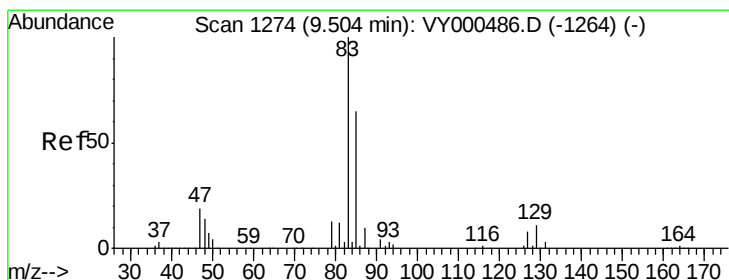
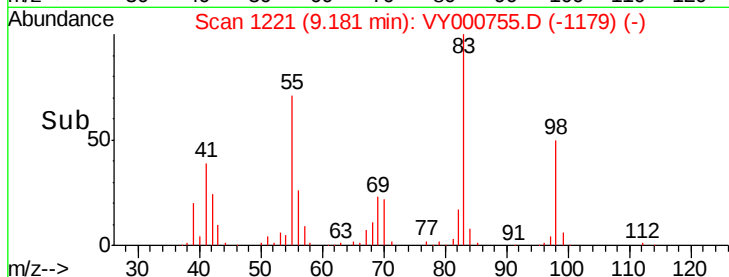
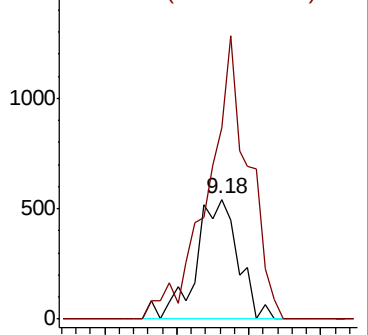
63 100

65 159.1 27.0 40.4#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#47

Bromodichloromethane

Concen: 14.139 ug/l

RT: 9.47 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

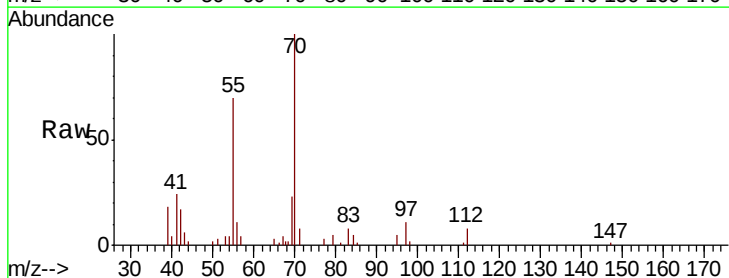
Tgt Ion: 83 Resp: 1481

Ion Ratio Lower Upper

83 100

85 8.8 51.8 77.8#

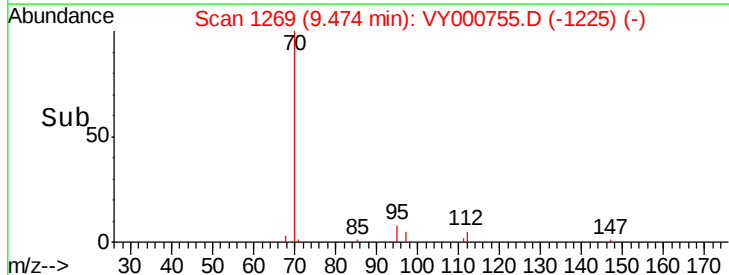
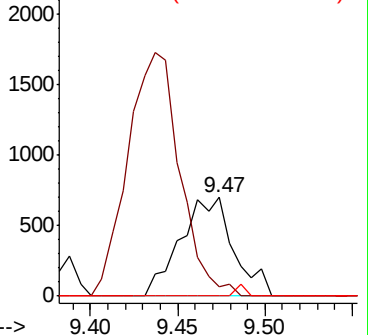
127 0.0 6.7 10.1#

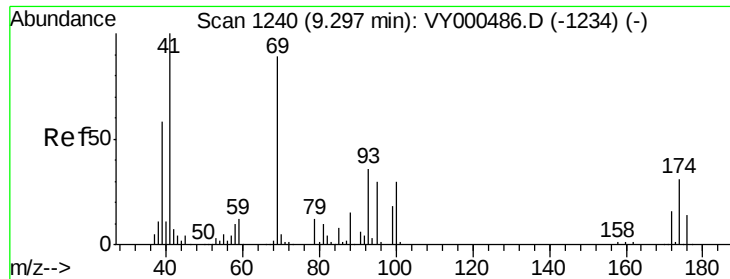


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): V

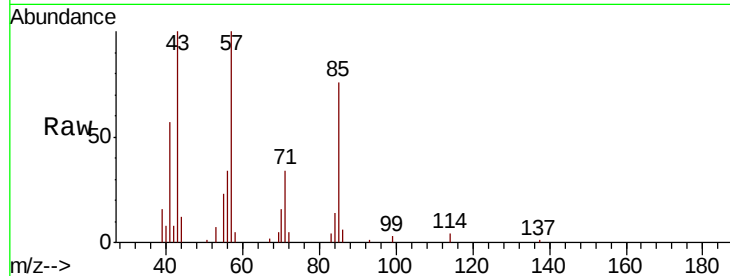




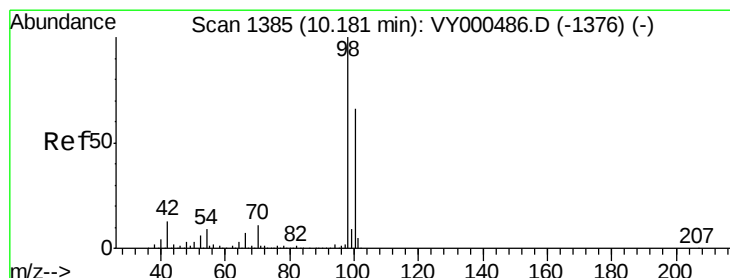
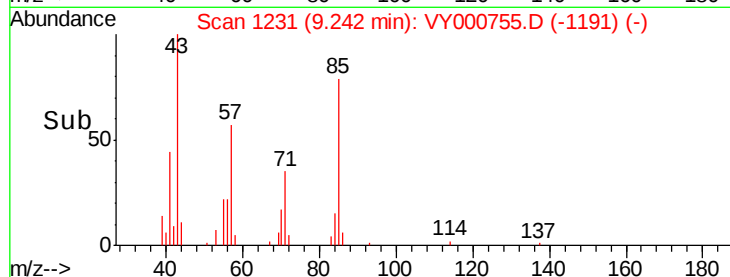
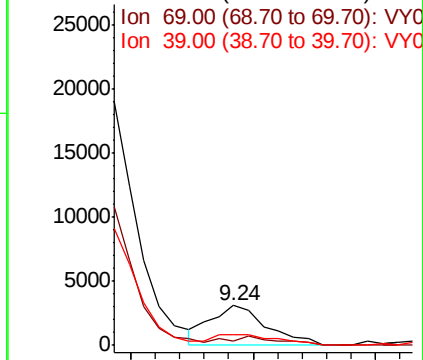
#48
Methyl methacrylate
Concen: 92.019 ug/l
RT: 9.24 min Scan# 1231
Delta R.T. -0.05 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 4988
Ion Ratio Lower Upper
41 100
69 20.6 72.5 108.7#
39 30.5 47.8 71.8#

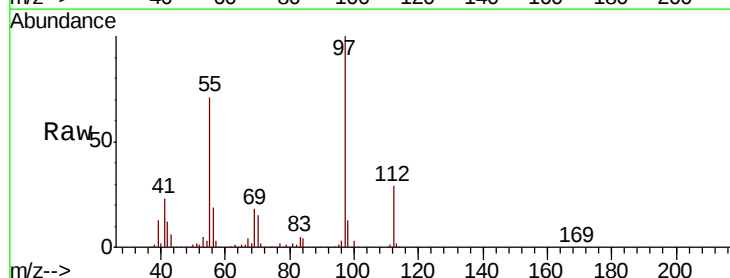


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

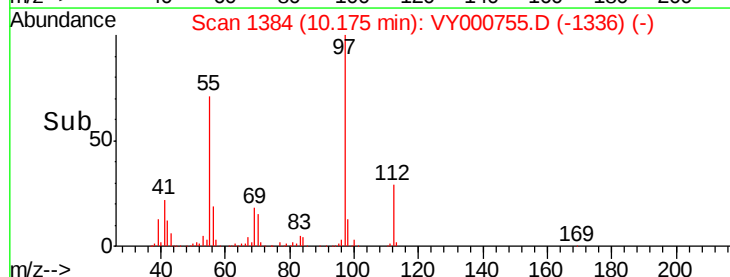
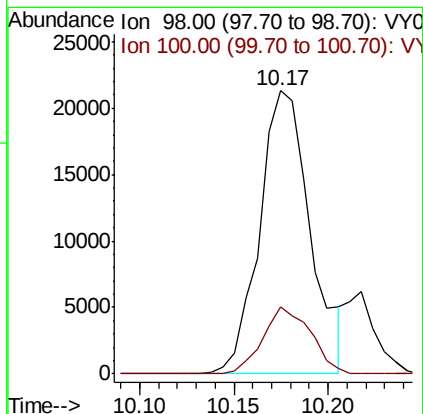


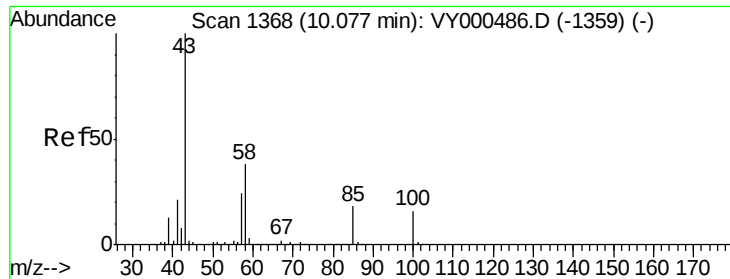
#50
Toluene-d8
Concen: 152.281 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion: 98 Resp: 39916
Ion Ratio Lower Upper
98 100
100 22.4 52.9 79.3#



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 278.831 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

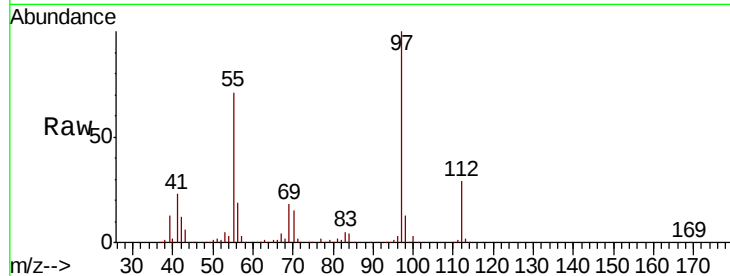
ClientSampled :

Tot Ion: 43 Resp: 18392

Ion Ratio Lower Upper

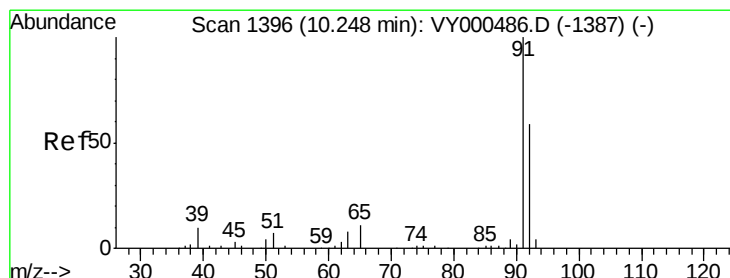
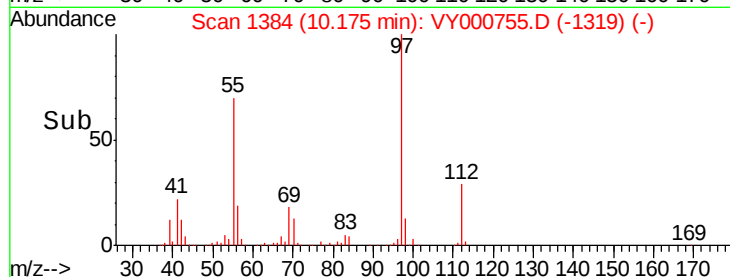
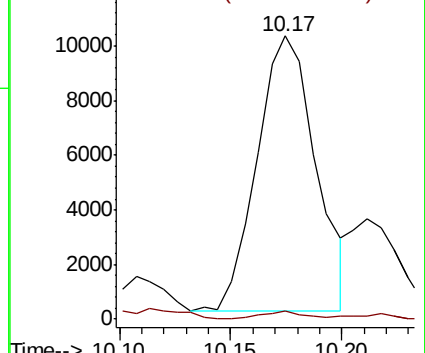
43 100

58 2.2 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 1.222 ug/l

RT: 10.24 min Scan# 1394

Delta R.T. -0.01 min

Lab File: VY000755.D

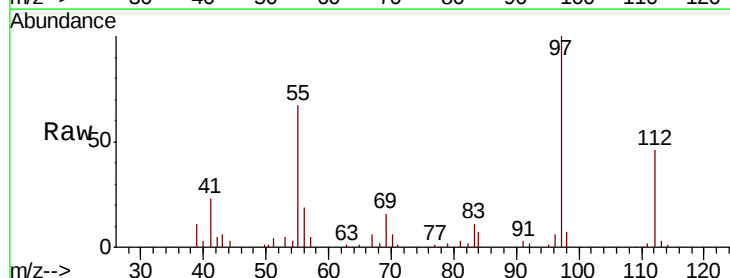
Acq: 20 Nov 2019 16:32

Tgt Ion: 92 Resp: 252

Ion Ratio Lower Upper

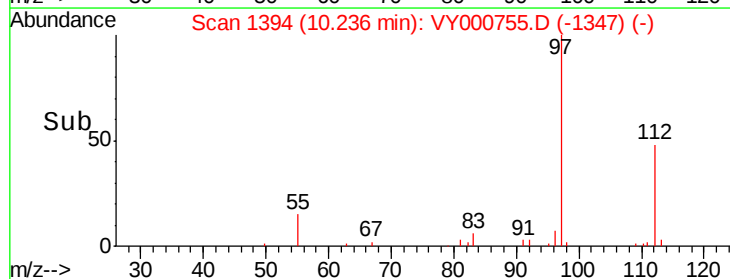
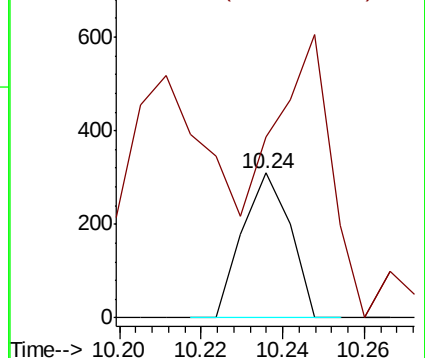
92 100

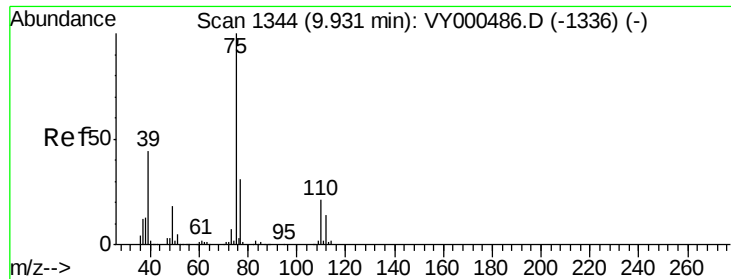
91 262.3 136.3 204.5#



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#54

cis-1,3-Dichloropropene

Concen: 1.435 ug/l

RT: 10.17 min Scan# 1383

Delta R.T. 0.24 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampleId :

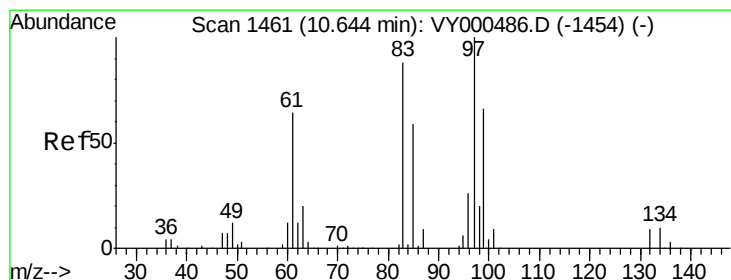
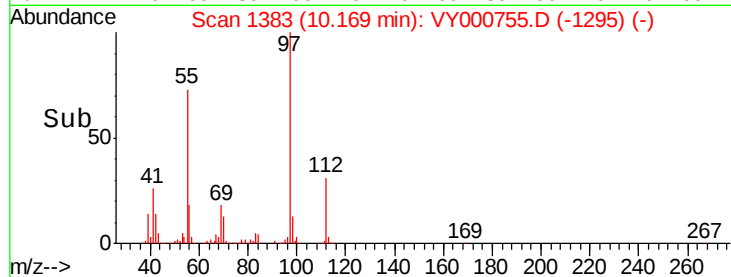
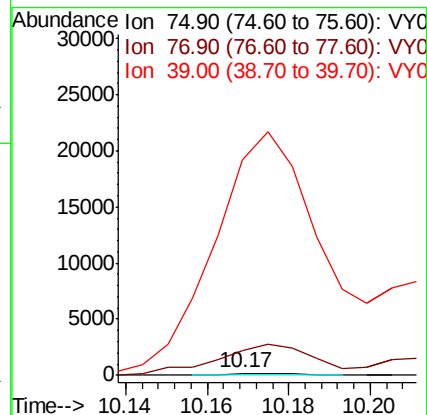
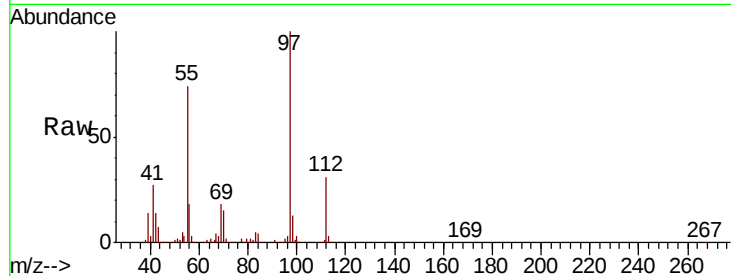
Tot Ion: 75 Resp: 184

Ion Ratio Lower Upper

75 100

77 945.8 24.5 36.7#

39 7317.9 35.4 53.2#



#55

1,1,2-Trichloroethane

Concen: 1918.082 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Tgt Ion: 97 Resp: 122466

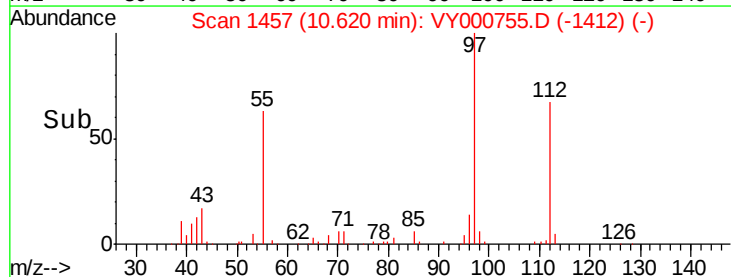
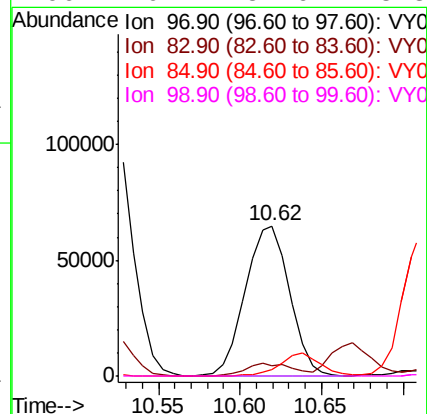
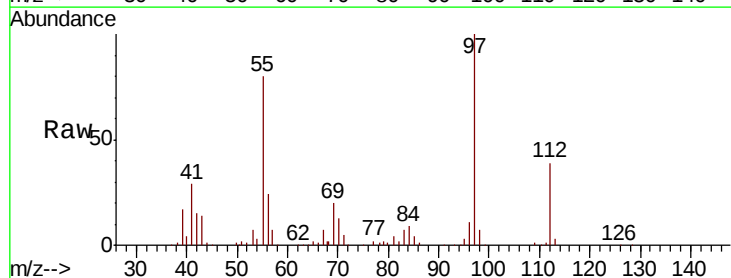
Ion Ratio Lower Upper

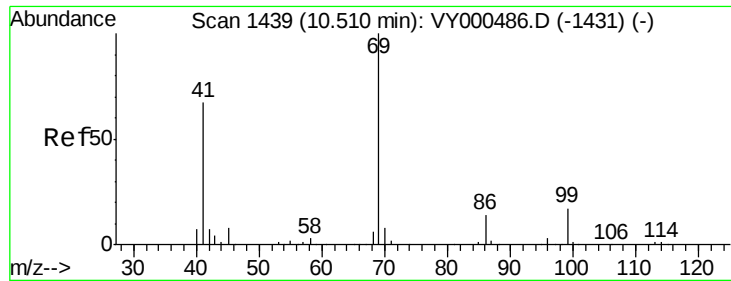
97 100

83 7.2 70.2 105.4#

85 4.1 46.9 70.3#

99 0.4 52.6 78.8#





#56

Ethyl methacrylate

Concen: 609.242 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampleId :

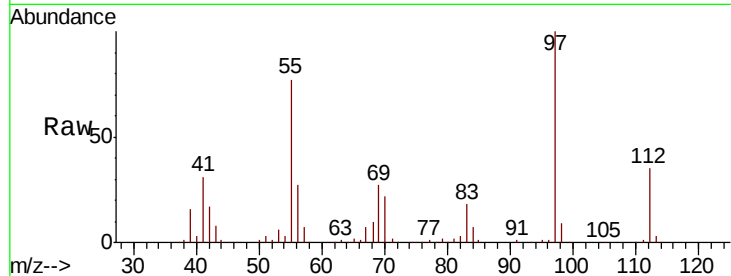
Tot Ion: 69 Resp: 55133

Ion Ratio Lower Upper

69 100

41 163.4 53.3 79.9#

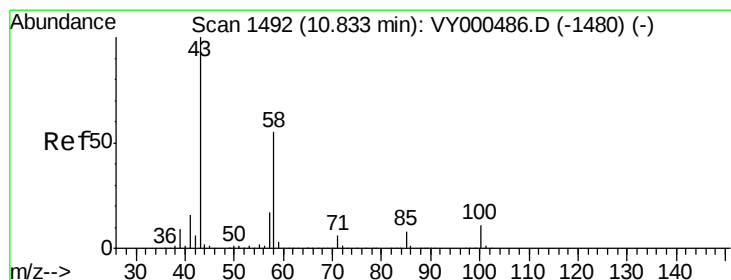
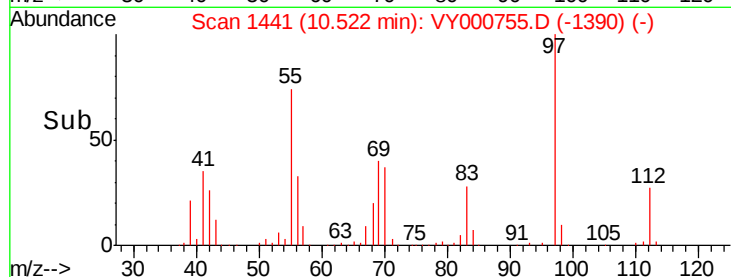
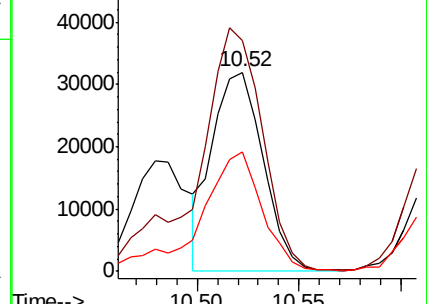
39 75.3 28.0 42.0#



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0



#59

2-Hexanone

Concen: 10310.903 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.03 min

Lab File: VY000755.D

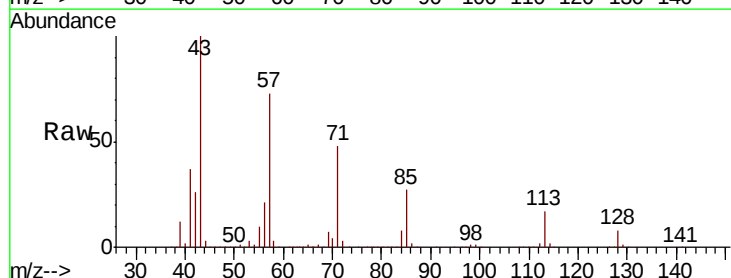
Acq: 20 Nov 2019 16:32

Tgt Ion: 43 Resp: 495530

Ion Ratio Lower Upper

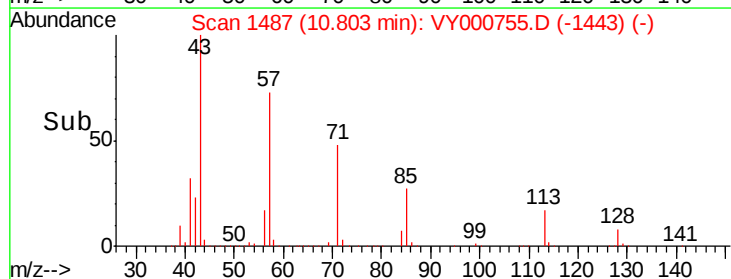
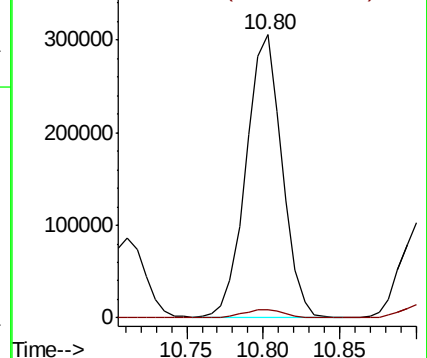
43 100

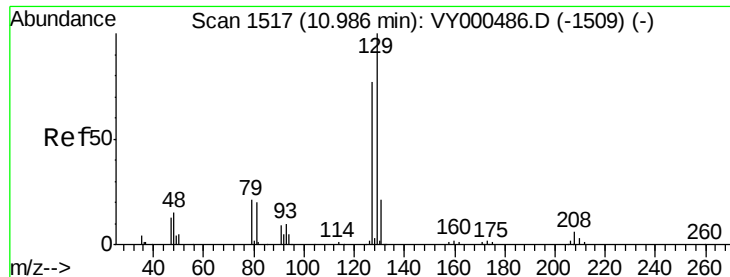
58 3.3 27.1 81.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#60

Dibromochloromethane

Concen: 38.847 ug/l

RT: 11.21 min Scan# 1553

Delta R.T. 0.22 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

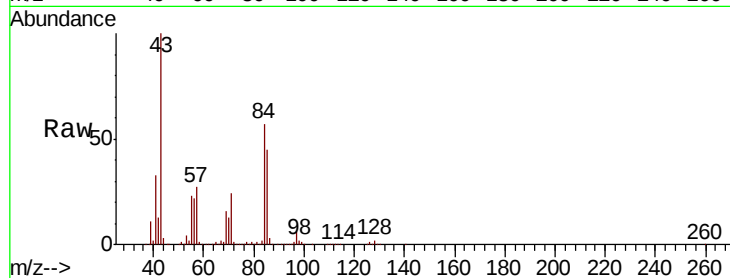
ClientSampled :

Tot Ion:129 Resp: 2841

Ion Ratio Lower Upper

129 100

127 71.9 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8000

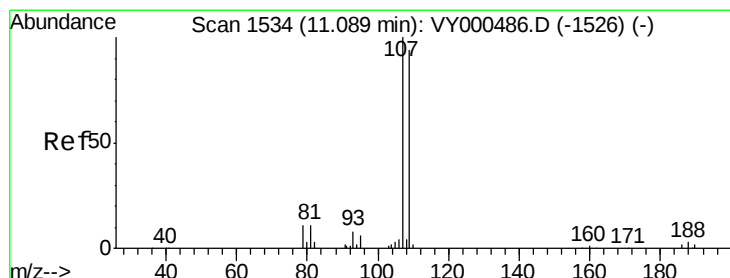
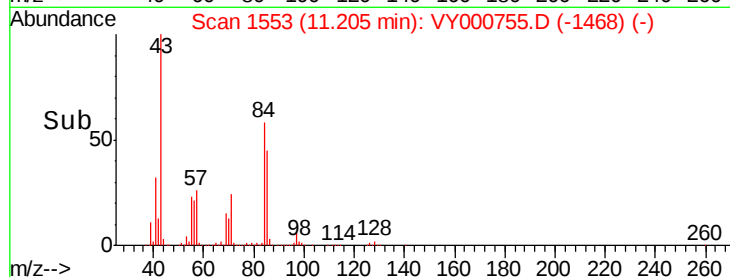
6000

4000

2000

0

Time-->



#61

1,2-Dibromoethane

Concen: 12.396 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000755.D

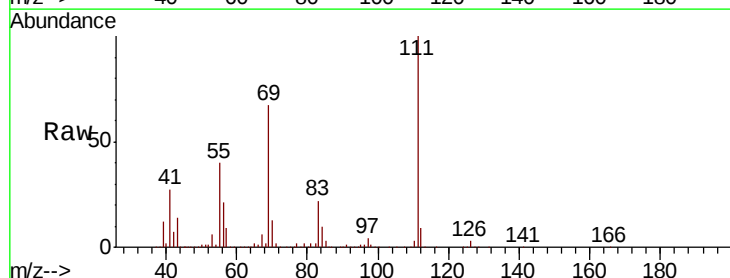
Acq: 20 Nov 2019 16:32

Tgt Ion:107 Resp: 761

Ion Ratio Lower Upper

107 100

109 683.7 73.6 110.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

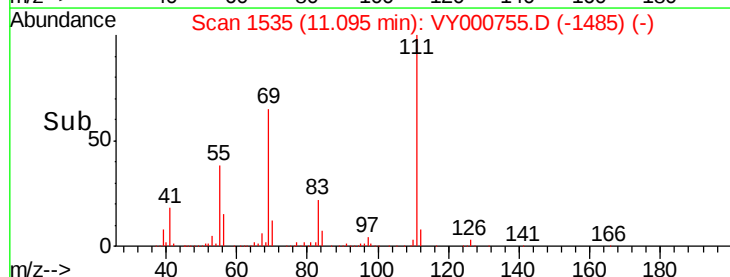
3000

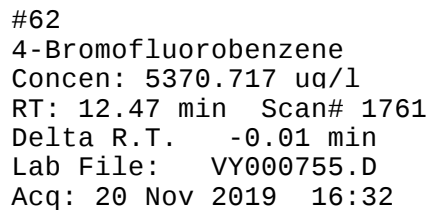
2000

1000

0

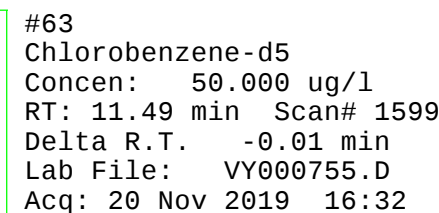
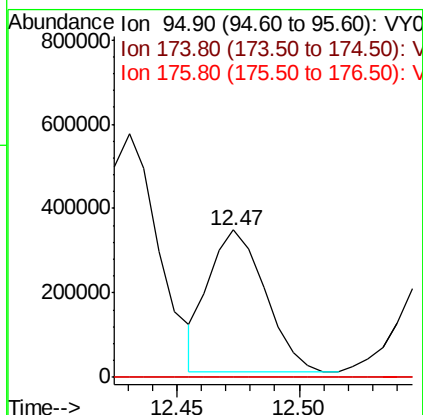
Time-->



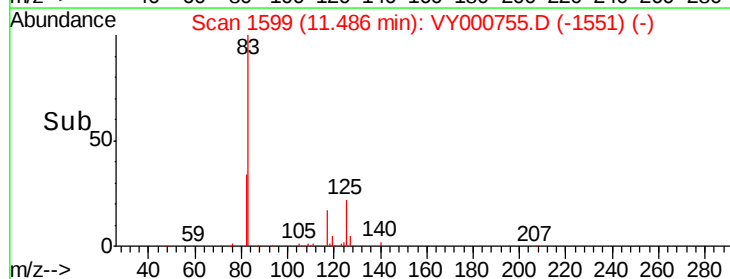
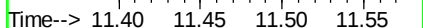
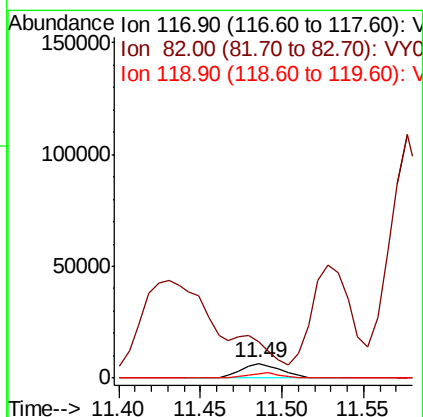


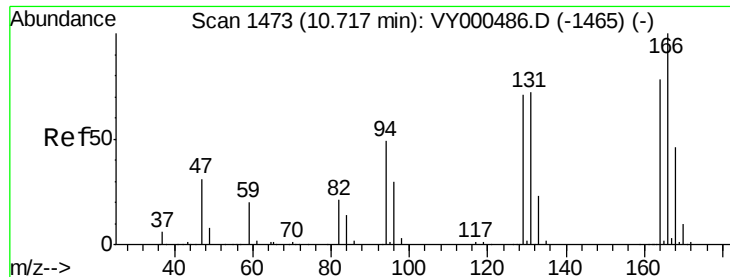
Instrument :
MSVOA_Y
ClientSampleId :

Tot	Ion: 95	Resp:	535934
Ion	Ratio	Lower	Upper
95	100		
174	0.7	0.0	161.6
176	0.6	0.0	157.8



Tgt	Ion:117	Resp:	11026
Ion	Ratio	Lower	Upper
117	100		
82	0.0	40.8	61.2#
119	30.8	26.2	39.2





#64

Tetrachloroethene

Concen: 48.765 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion:164 Resp: 4446

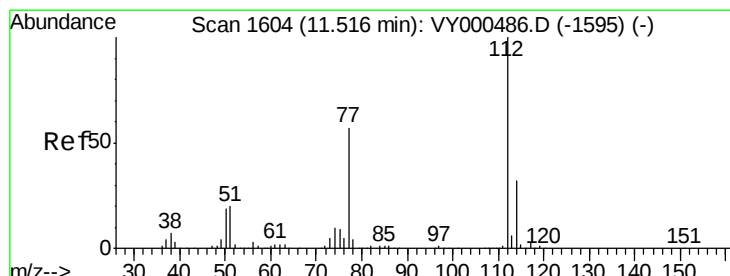
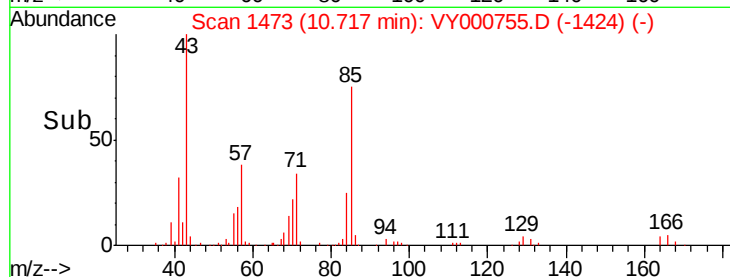
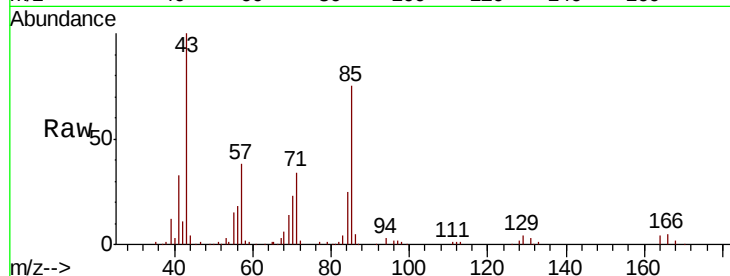
Ion	Ratio	Lower	Upper
164	100		
166	116.8	102.7	154.1
129	103.5	73.2	109.8
131	79.5	74.2	111.2

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 266.478 ug/l

RT: 11.63 min Scan# 1622

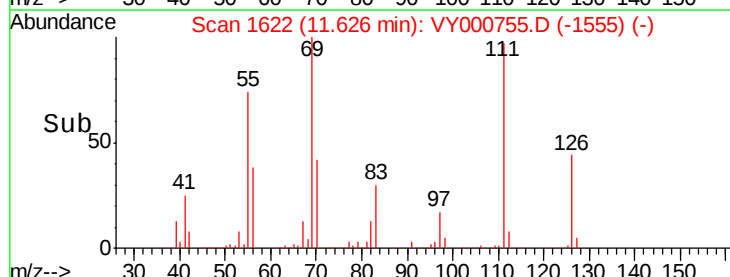
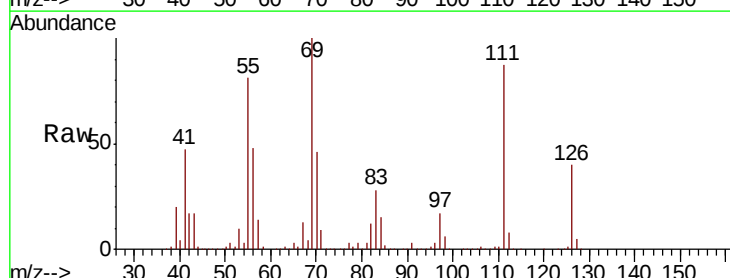
Delta R.T. 0.11 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

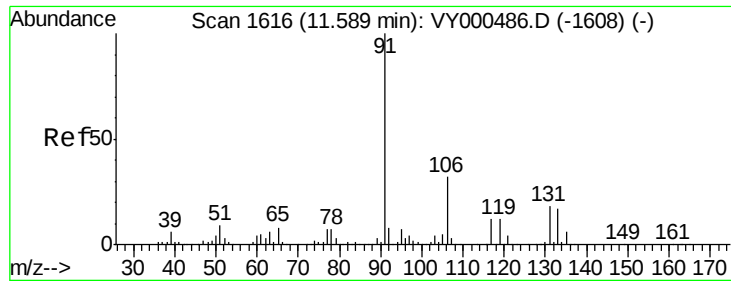
Tgt Ion:112 Resp: 59571

Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.3	37.9#



Abundance Ion 111.90 (111.60 to 112.60): V

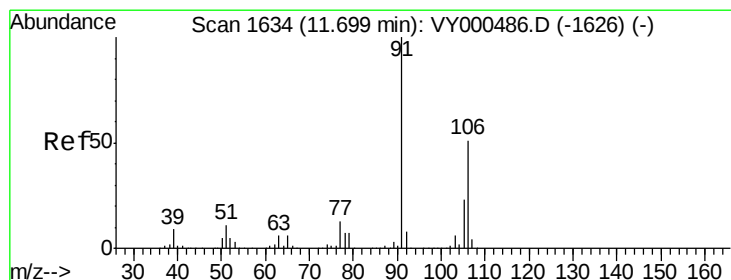
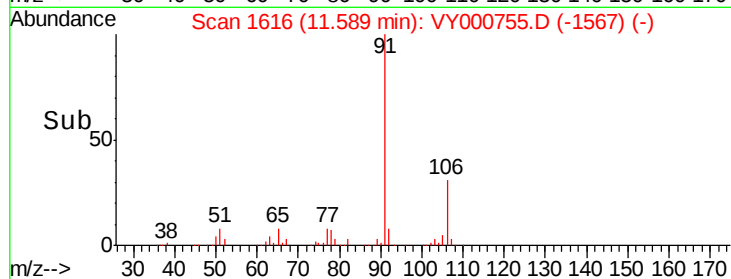
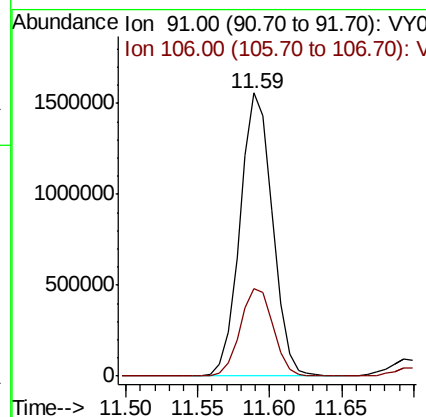
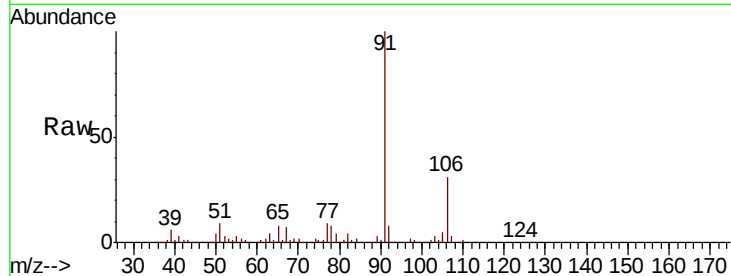
Ion 113.90 (113.60 to 114.60): V



#67
Ethyl Benzene
Concen: 5935.615 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

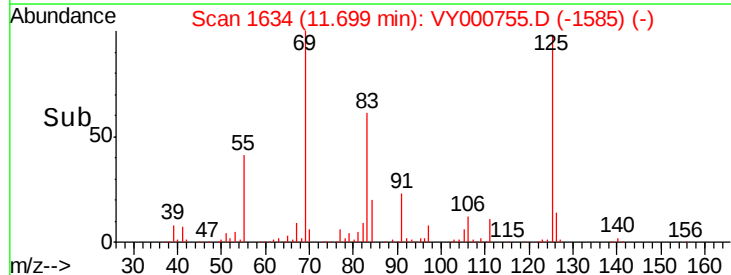
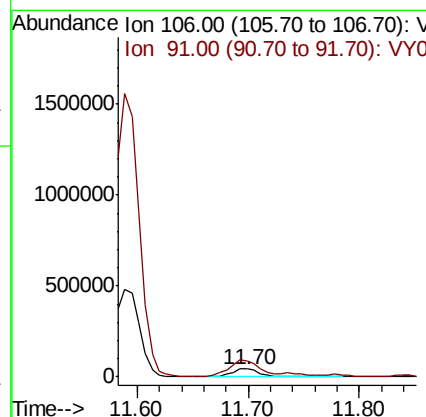
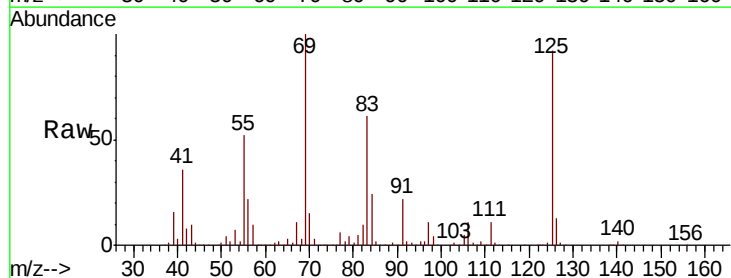
Instrument :
MSVOA_Y
ClientSampleId :

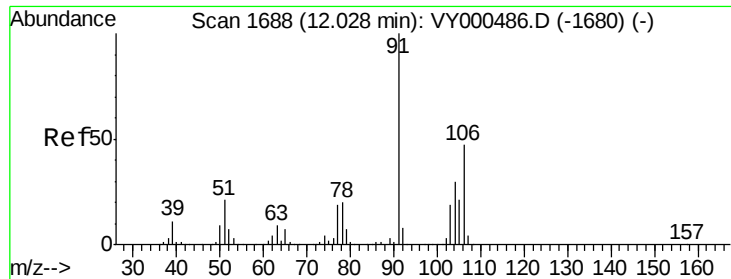
Tot Ion: 91 Resp: 2442084
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



#68
m/p-Xylenes
Concen: 479.296 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion: 106 Resp: 76323
Ion Ratio Lower Upper
106 100
91 255.0 155.9 233.9#

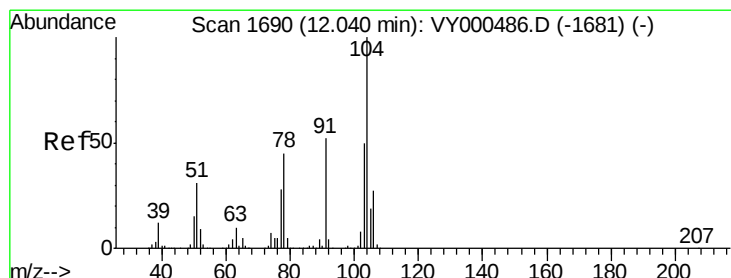
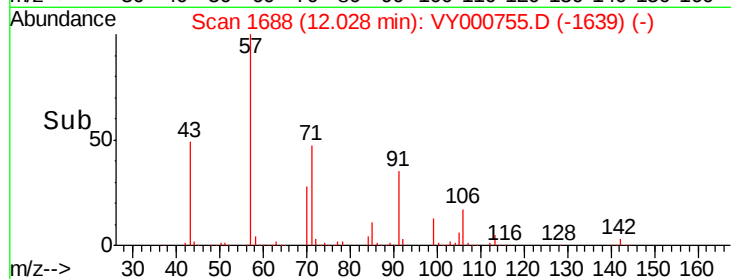
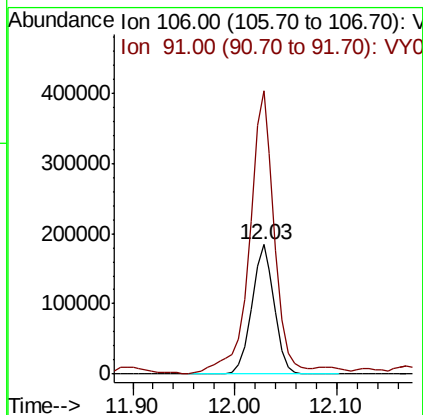
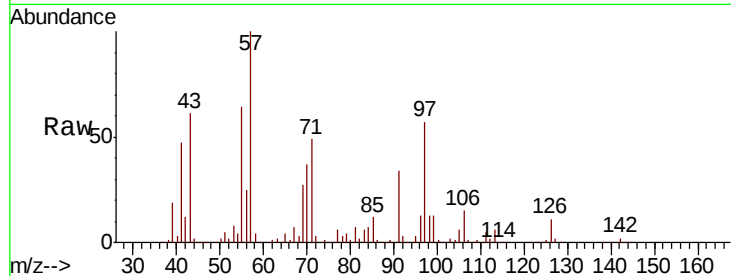




#69
o-Xylene
Concen: 1875.819 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

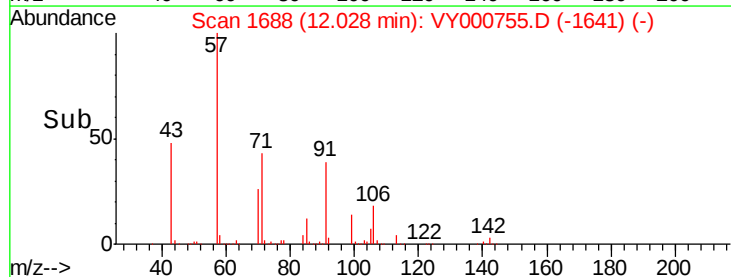
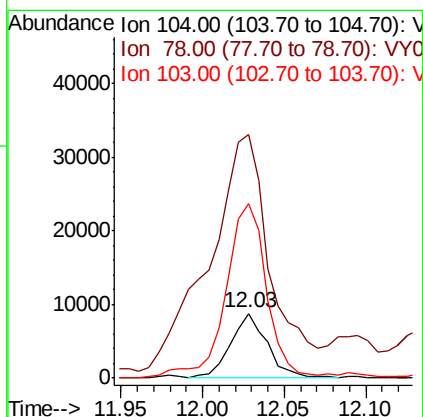
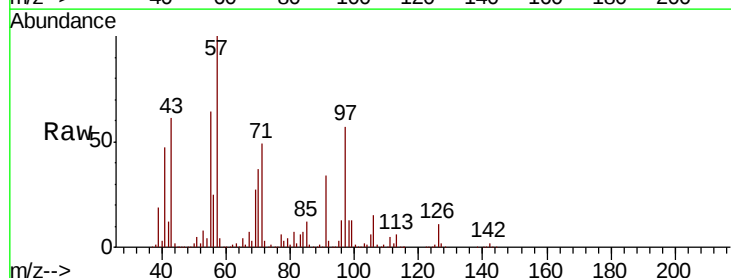
Instrument :
MSVOA_Y
ClientSampled :

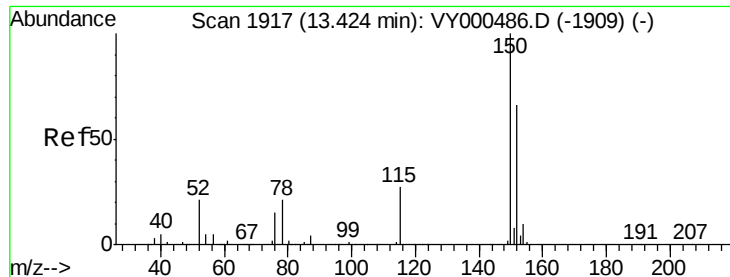
Tot Ion:106 Resp: 280731
Ion Ratio Lower Upper
106 100
91 239.7 106.5 319.6



#70
Styrene
Concen: 54.006 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion:104 Resp: 13840
Ion Ratio Lower Upper
104 100
78 600.4 39.0 58.4#
103 298.3 42.5 63.7#



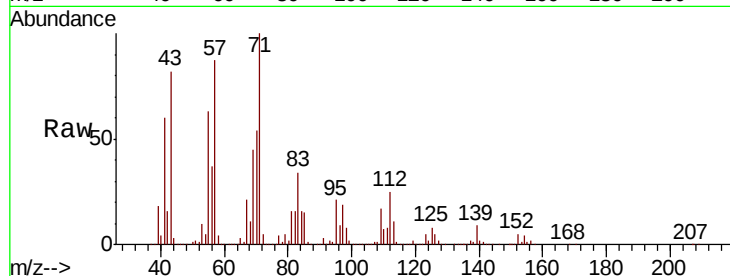


#72

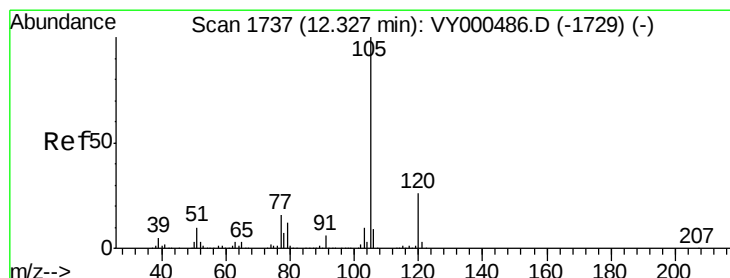
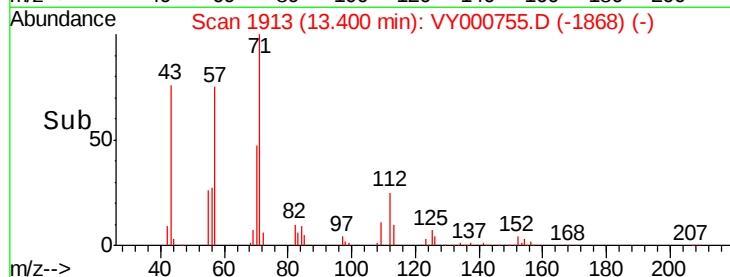
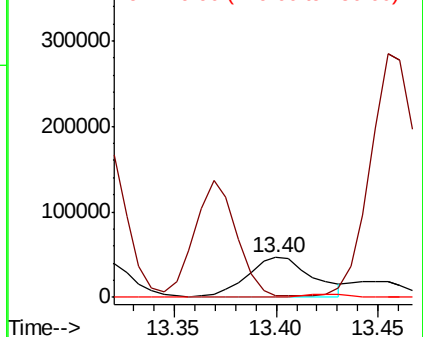
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.40 min Scan# 1913
Delta R.T. -0.02 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 98481
Ion Ratio Lower Upper
152 100
115 0.0 29.1 87.4#
150 0.0 0.0 348.8



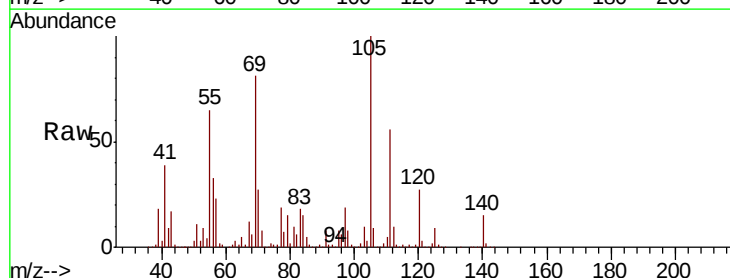
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



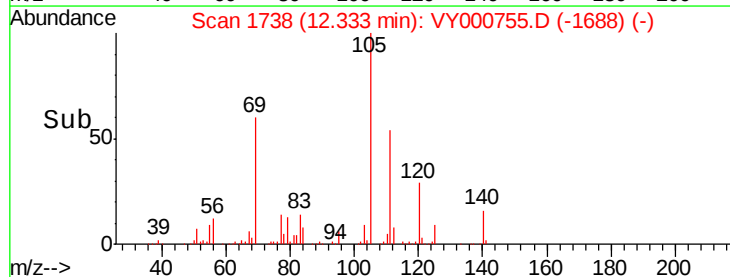
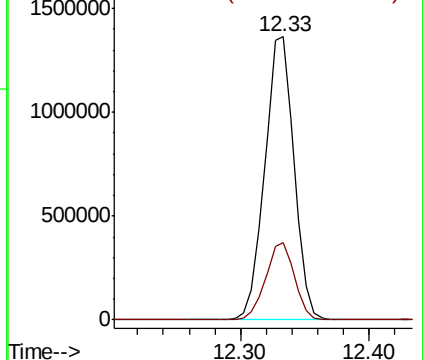
#73

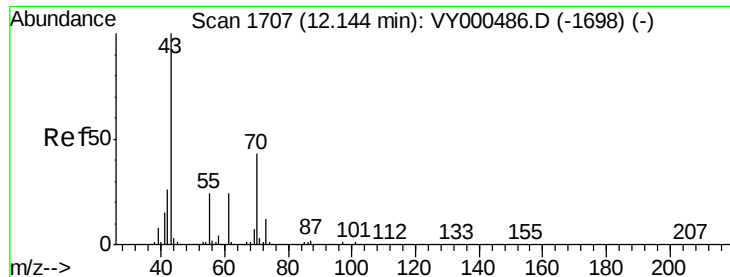
Isopropylbenzene
Concen: 294.934 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion:105 Resp: 2146682
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2330.235 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

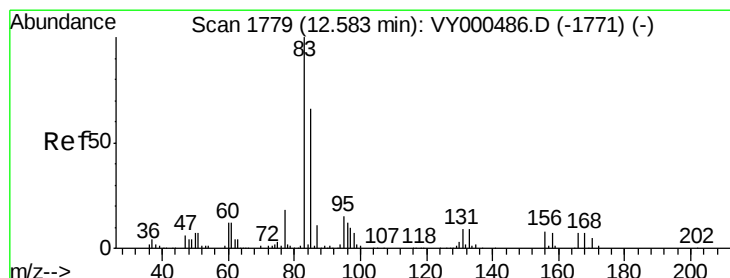
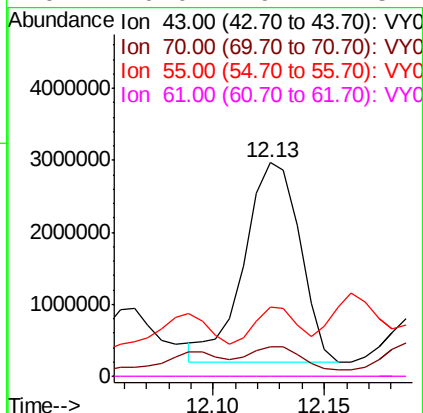
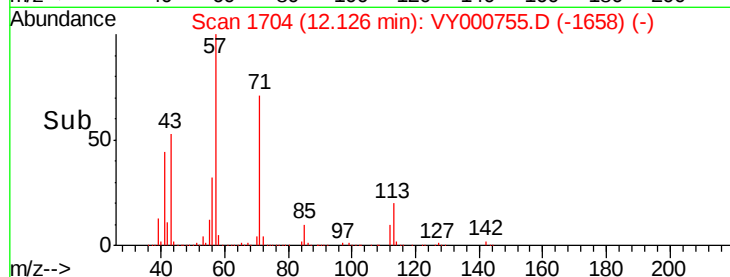
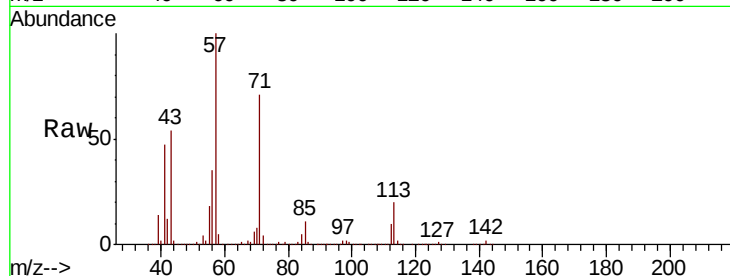
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 4857490

Ion	Ratio	Lower	Upper
43	100		
70	10.7	33.1	49.7#
55	14.5	18.0	27.0#
61	0.0	19.1	28.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 338.124 ug/l

RT: 12.56 min Scan# 1775

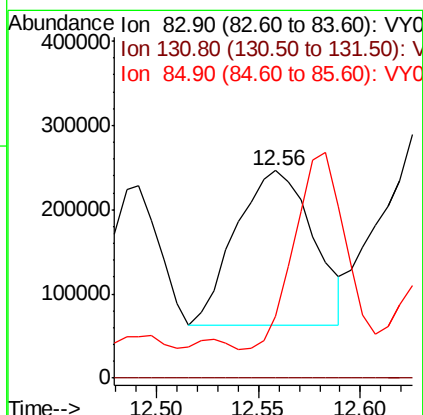
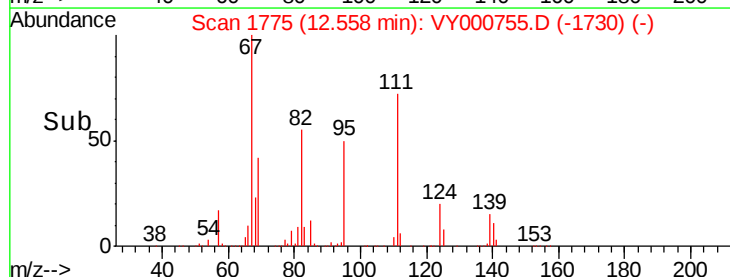
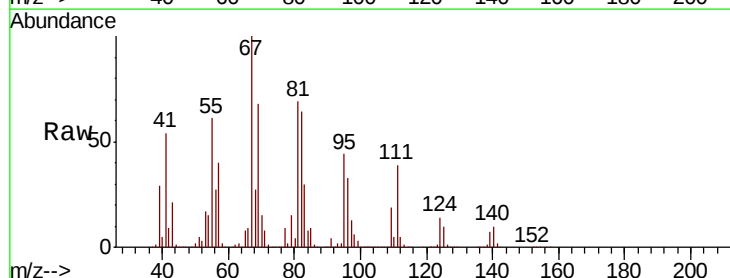
Delta R.T. -0.02 min

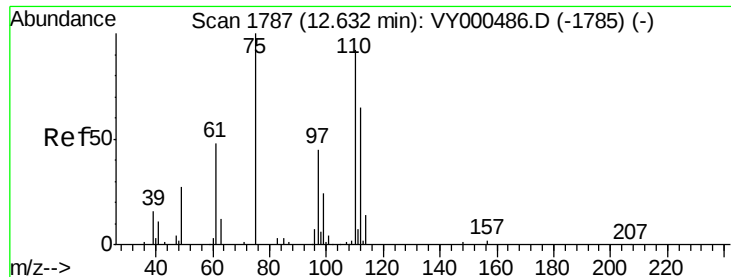
Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Tgt Ion: 83 Resp: 487287

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	0.0	32.3	96.9#





#76

1,2,3-Trichloropropane

Concen: 36.613 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.04 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

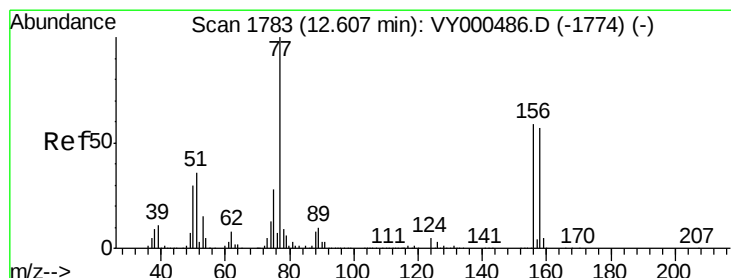
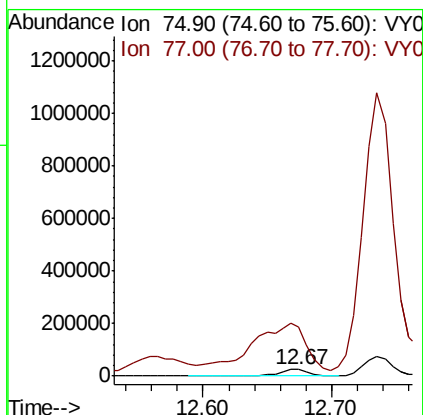
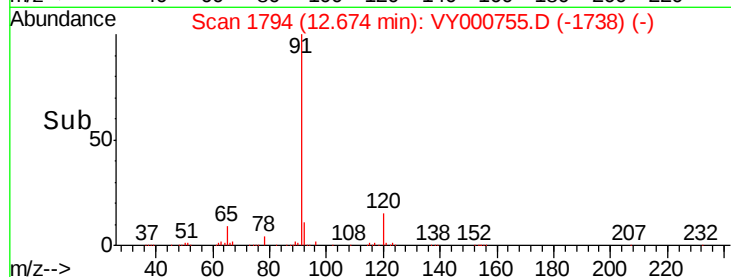
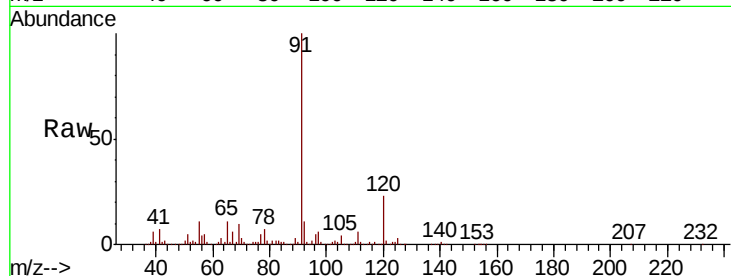
ClientSampled :

Tot Ion: 75 Resp: 41056

Ion Ratio Lower Upper

75 100

77 1204.0 0.0 0.0#



#77

Bromobenzene

Concen: 5.850 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.02 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

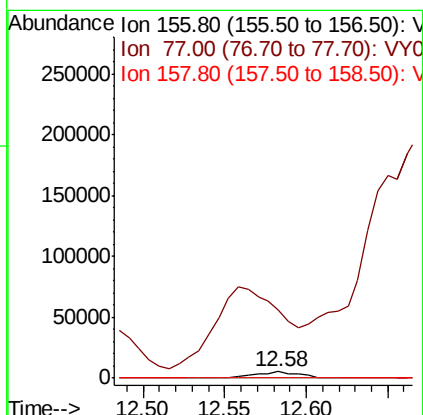
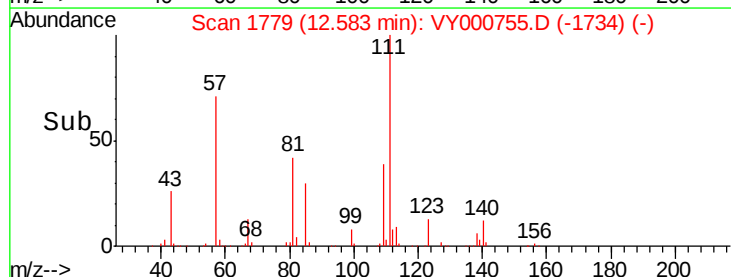
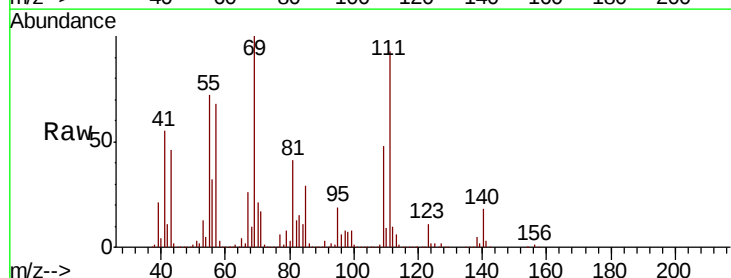
Tgt Ion: 156 Resp: 9655

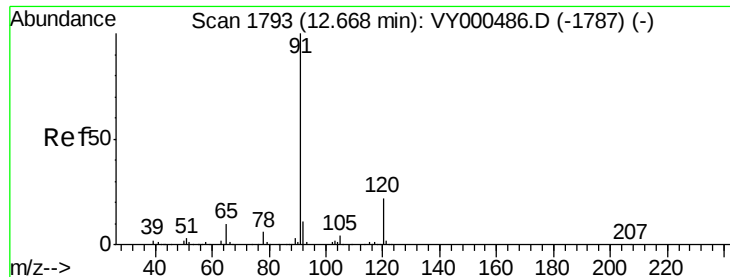
Ion Ratio Lower Upper

156 100

77 0.0 98.2 294.4#

158 0.0 49.6 149.0#





#78

n-propylbenzene

Concen: 713.378 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

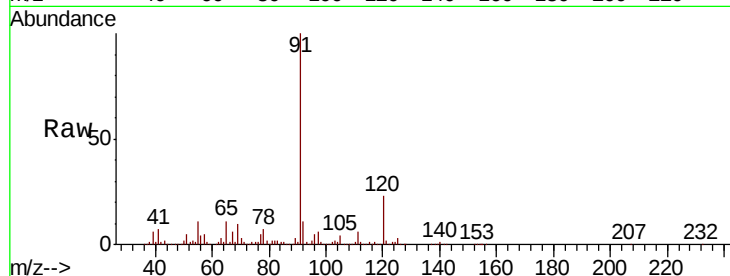
ClientSampled :

Tot Ion: 91 Resp: 6264961

Ion Ratio Lower Upper

91 100

120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

12.67

4000000

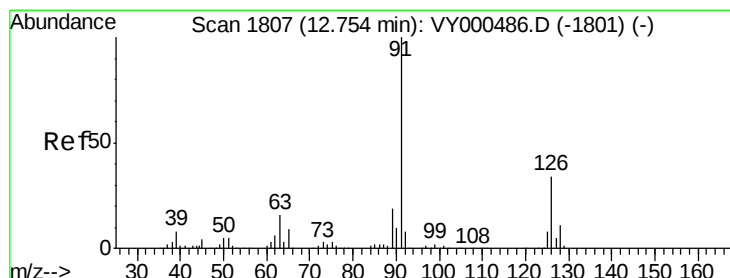
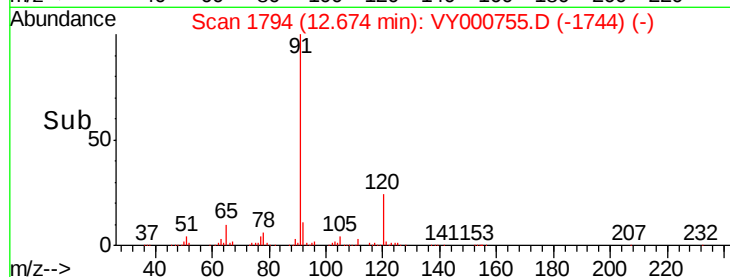
3000000

2000000

1000000

0

Time--> 12.55 12.60 12.65 12.70



#79

2-Chlorotoluene

Concen: 355.360 ug/l

RT: 12.74 min Scan# 1804

Delta R.T. -0.02 min

Lab File: VY000755.D

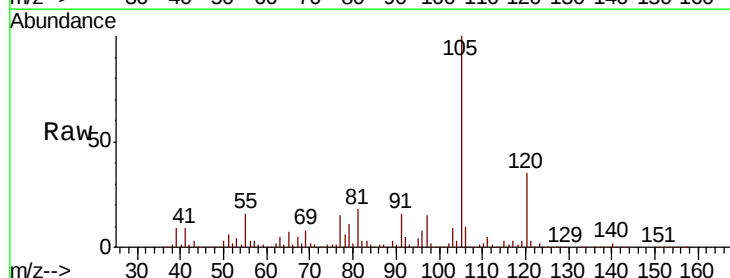
Acq: 20 Nov 2019 16:32

Tgt Ion: 91 Resp: 1732543

Ion Ratio Lower Upper

91 100

126 0.8 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

12.74

4000000

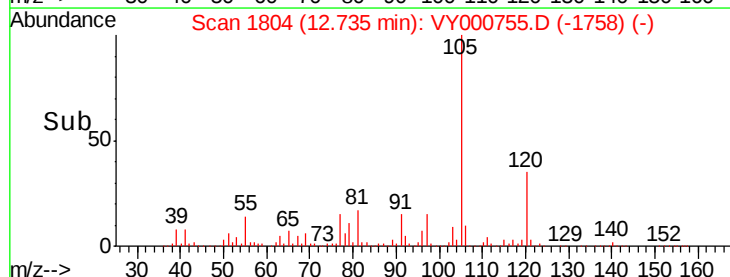
3000000

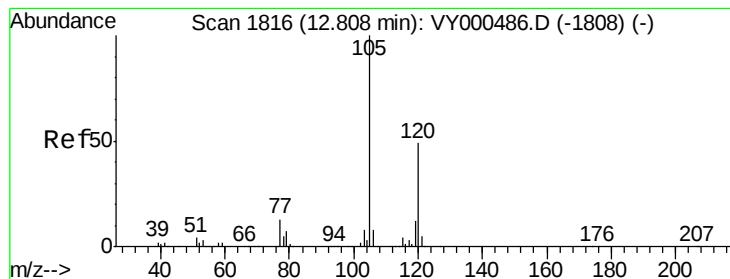
2000000

1000000

0

Time--> 12.70 12.75 12.80



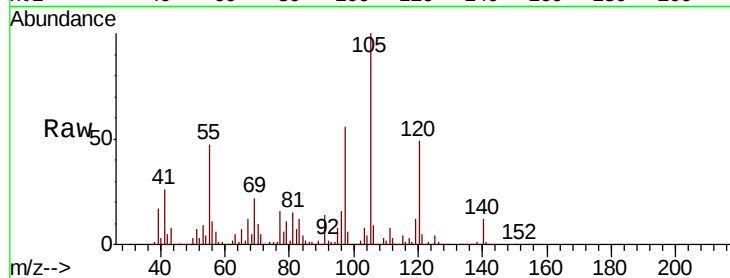


#80

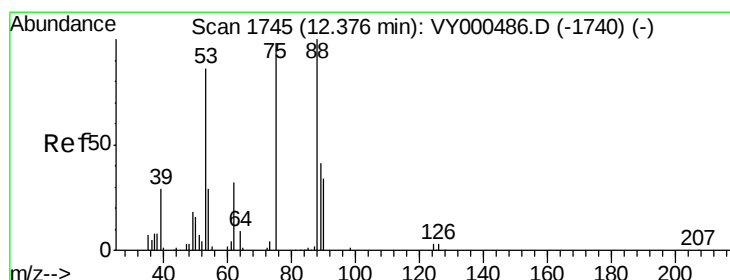
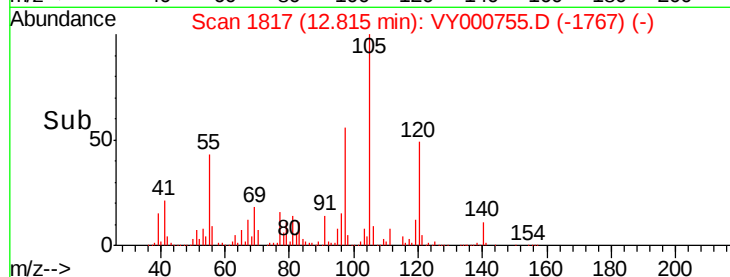
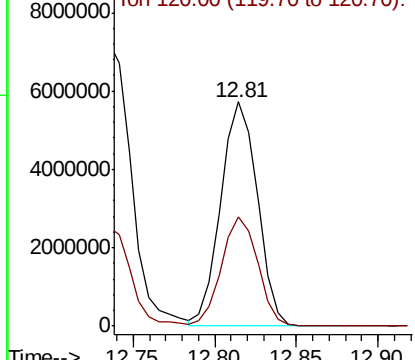
1,3,5-Trimethylbenzene
Concen: 1481.153 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:105 Resp: 8978602
Ion Ratio Lower Upper
105 100
120 48.2 24.9 74.8



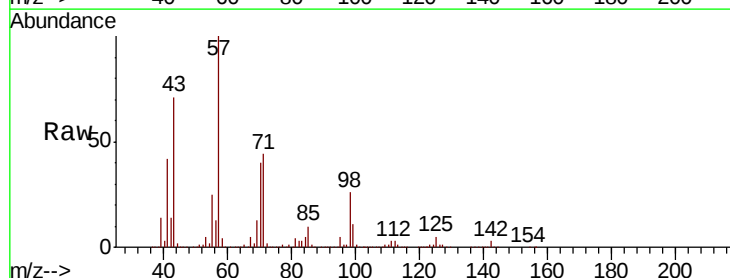
Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



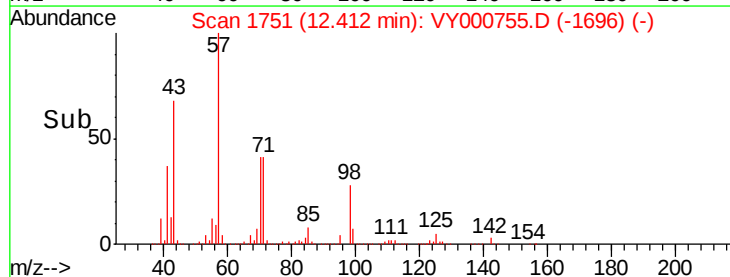
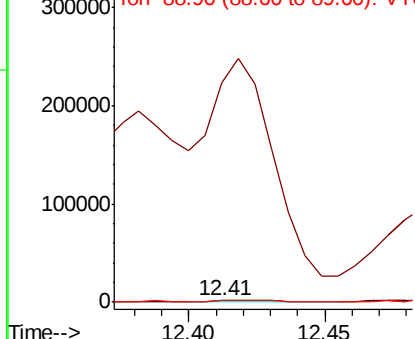
#81

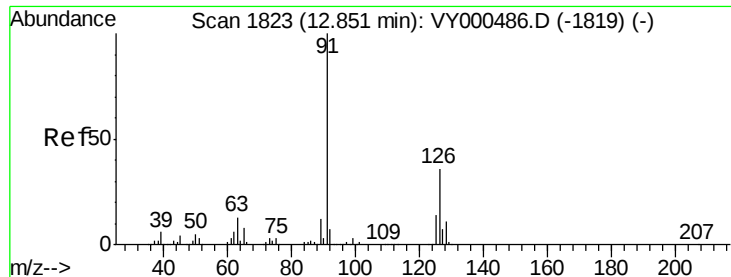
trans-1,4-Dichloro-2-butene
Concen: 3.629 ug/l
RT: 12.41 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion: 75 Resp: 1815
Ion Ratio Lower Upper
75 100
53 19630.2 73.2 109.8#
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0





#82

4-Chlorotoluene

Concen: 236.703 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.04 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

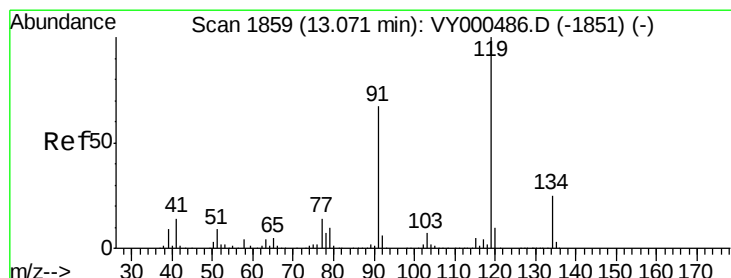
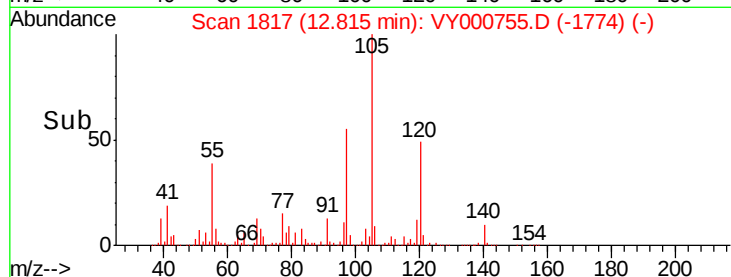
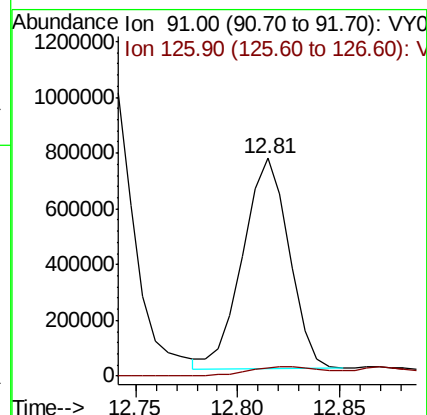
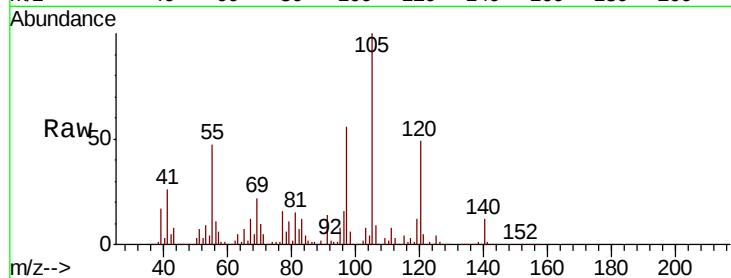
ClientSampleId :

Tot Ion: 91 Resp: 1196253

Ion Ratio Lower Upper

91 100

126 6.6 17.6 52.9#



#83

tert-Butylbenzene

Concen: 78.857 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

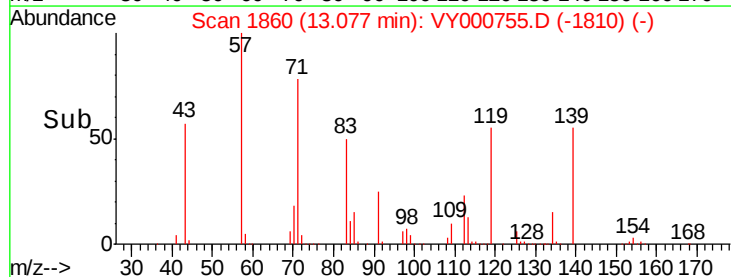
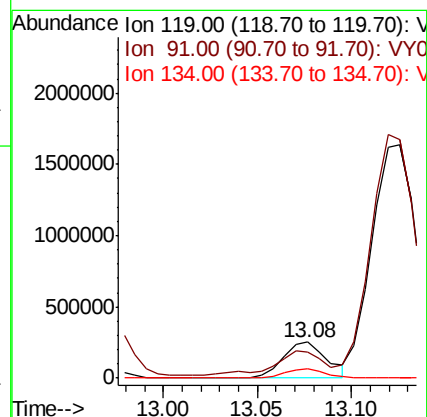
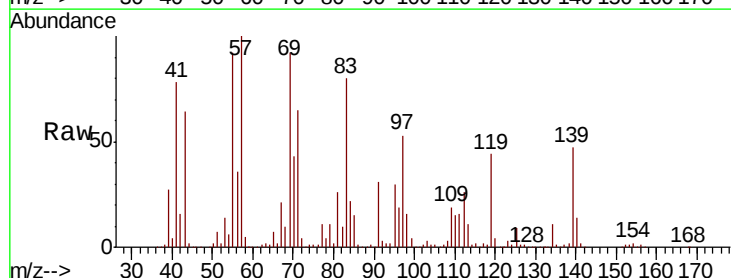
Tgt Ion: 119 Resp: 408154

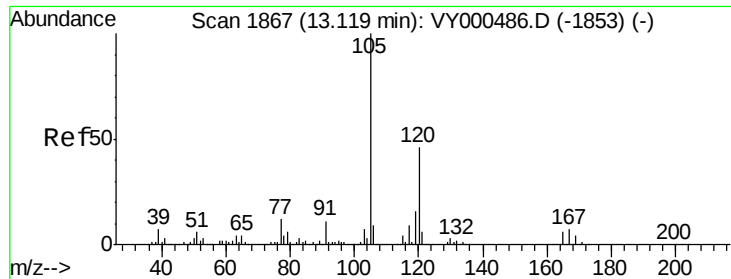
Ion Ratio Lower Upper

119 100

91 74.0 32.1 96.3

134 23.5 13.2 39.5

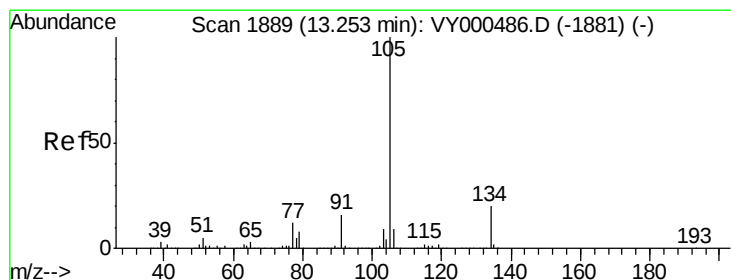
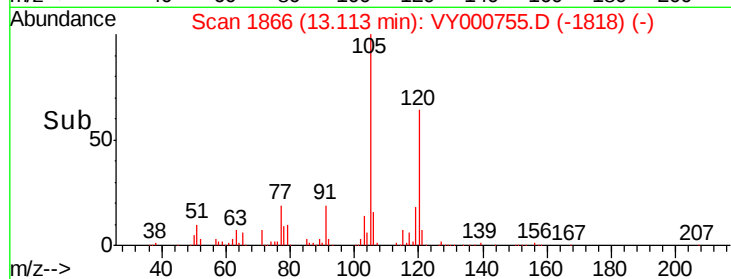
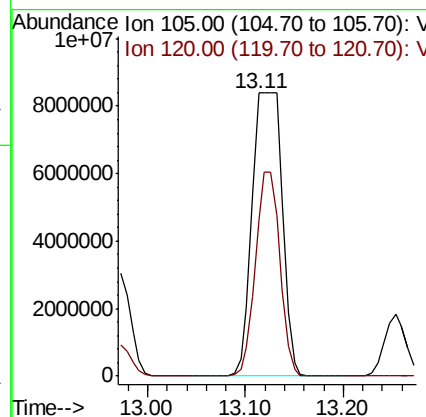
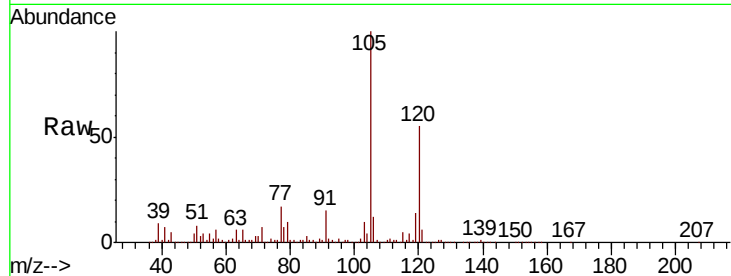




#84
 1,2,4-Trimethylbenzene
 Concen: 2978.558 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000755.D
 Acq: 20 Nov 2019 16:32

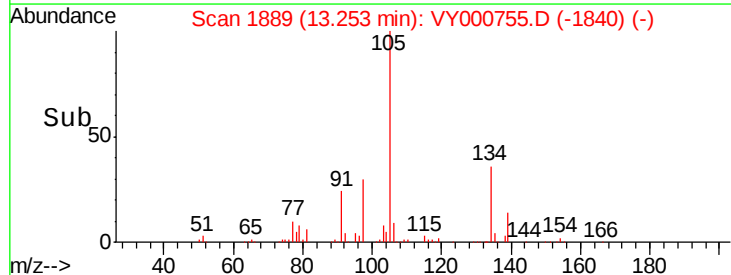
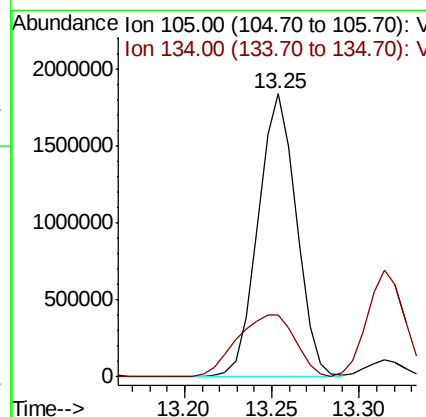
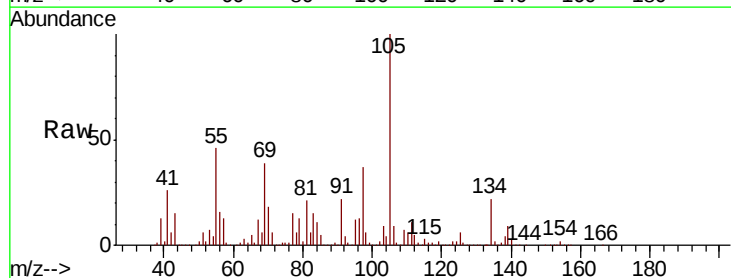
Instrument :
 MSVOA_Y
 ClientSampleId :

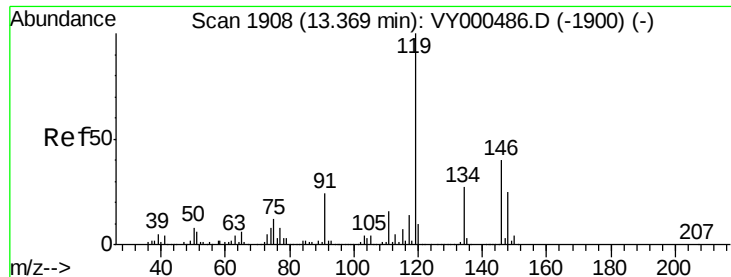
Tot Ion:105 Resp:17977341
 Ion Ratio Lower Upper
 105 100
 120 58.5 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 376.639 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY000755.D
 Acq: 20 Nov 2019 16:32

Tgt Ion:105 Resp: 2777389
 Ion Ratio Lower Upper
 105 100
 134 33.9 10.1 30.1#

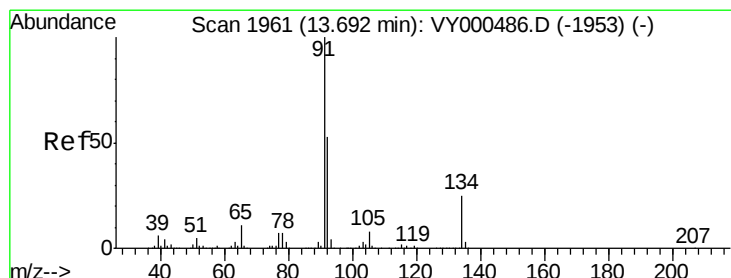
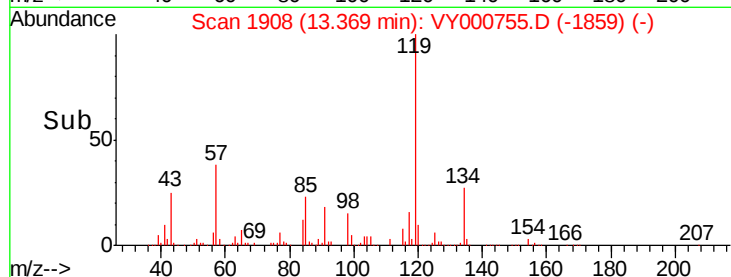
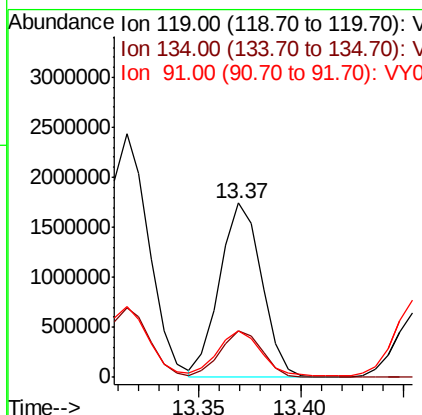
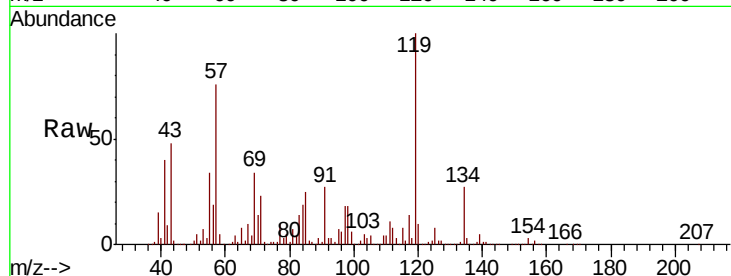




#86
 p-Isopropyltoluene
 Concen: 379.046 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY000755.D
 Acq: 20 Nov 2019 16:32

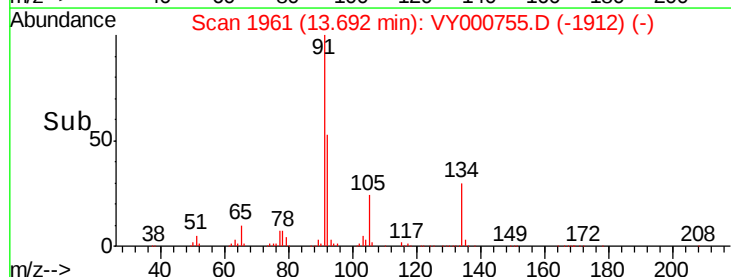
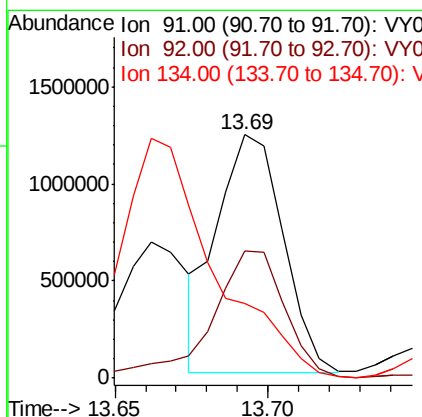
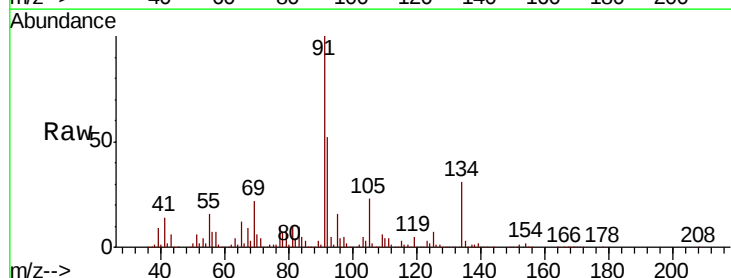
Instrument :
 MSVOA_Y
 ClientSampled :

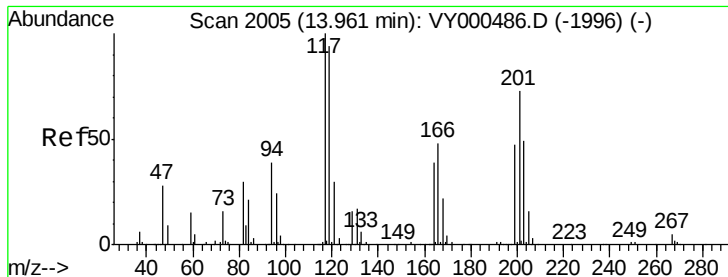
Tot Ion:119 Resp: 2491174
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.6 40.8
 91 25.8 12.0 36.1



#89
 n-Butylbenzene
 Concen: 282.468 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VY000755.D
 Acq: 20 Nov 2019 16:32

Tgt Ion: 91 Resp: 1831013
 Ion Ratio Lower Upper
 91 100
 92 58.2 26.8 80.3
 134 0.0 12.9 38.7#





#90

Hexachloroethane

Concen: 203.729 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

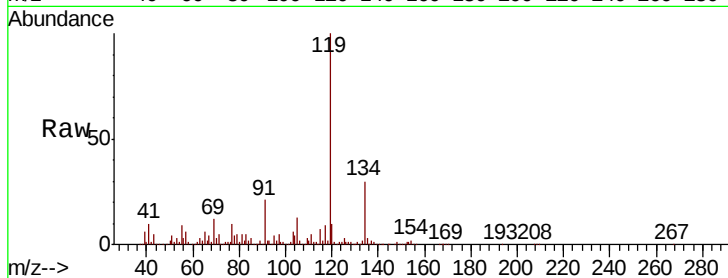
ClientSampled :

Tot Ion:117 Resp: 247532

Ion Ratio Lower Upper

117 100

201 0.0 35.8 107.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

400000

300000

200000

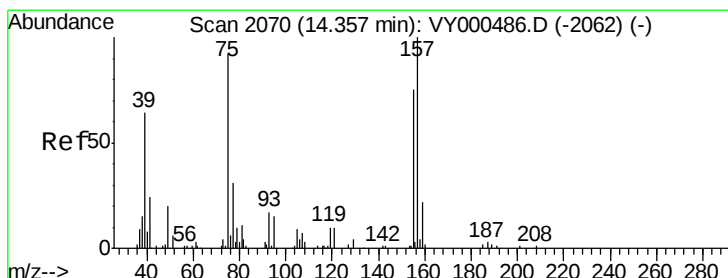
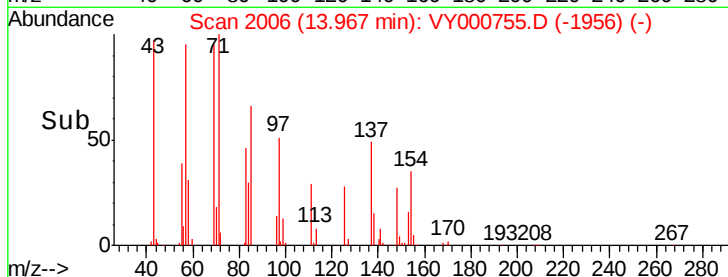
100000

0

13.95

14.00

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.179 ug/l

RT: 14.38 min Scan# 2074

Delta R.T. 0.02 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

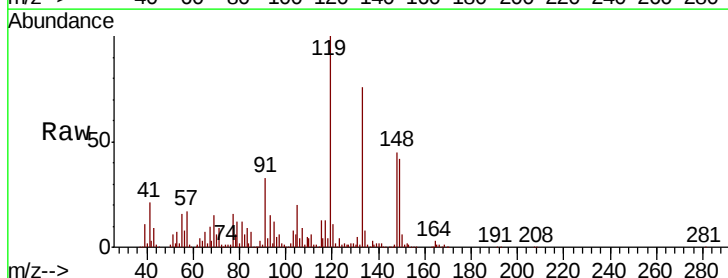
Tgt Ion: 75 Resp: 2086

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.1#

157 0.0 55.1 165.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

6000

5000

4000

3000

2000

1000

0

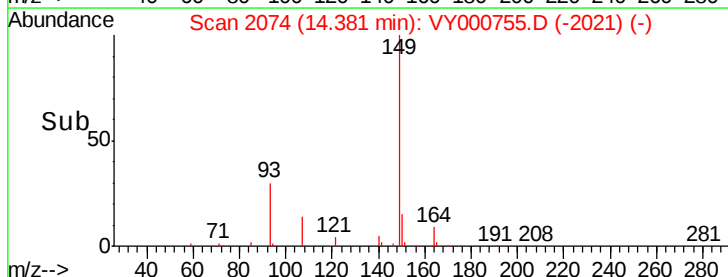
14.34

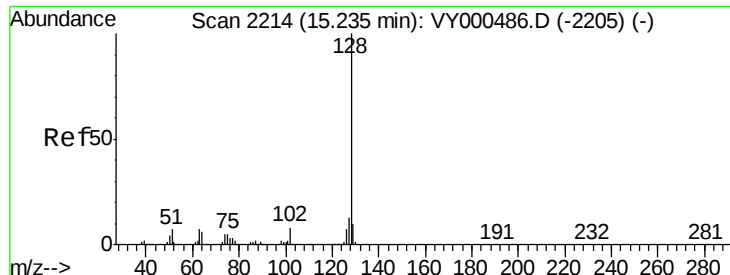
14.36

14.38

14.40

Time-->





#95
 Naphthalene
 Concen: 91.732 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: VY000755.D
 Acq: 20 Nov 2019 16:32

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.8	14.6
129	10.9	8.7	13.1

