

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001121.D
 Acq On : 30 Dec 2019 13:33
 Operator : SY/MD
 Sample : K6462-01
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 05:34:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	236868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	439258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	217389	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.41	152	74575	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	114824	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	7.74	113	125605	48.56	ug/l	0.01
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.19	98	1397471	138.25	ug/l	0.00
Spiked Amount			Recovery	=	276.50%	
62) 4-Bromofluorobenzene	12.49	95	529090	143.16	ug/l	0.01
Spiked Amount			Recovery	=	286.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	621	2.418	ug/l #	74
16) Acetone	3.96	43	9640	17.912	ug/l #	79
20) Methylene Chloride	4.72	84	16233	5.124	ug/l	87
25) 2-Butanone	7.00	43	3638	3.848	ug/l #	81
29) Tetrahydrofuran	7.37	42	787	1.170	ug/l #	51
31) Cyclohexane	7.79	56	281059	54.130	ug/l	93
36) 1,1-Dichloropropene	7.80	75	17577	4.195	ug/l #	65
38) Carbon Tetrachloride	7.80	117	22382	6.096	ug/l #	17
39) Methylcyclohexane	9.19	83	5977542	1074.170	ug/l	99
43) Isopropyl Acetate	8.28	43	75706	17.625	ug/l #	50
45) 1,2-Dichloropropane	9.19	63	51636	16.281	ug/l #	1
47) Bromodichloromethane	9.47	83	77802	20.545	ug/l #	64
48) Methyl methacrylate	9.26	41	155824	85.012	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	5732357	2560.503	ug/l #	38
52) Toluene	10.25	92	814277	104.648	ug/l	98
55) 1,1,2-Trichloroethane	10.63	97	7537098	3088.127	ug/l #	17
56) Ethyl methacrylate	10.53	69	2417668	696.005	ug/l #	63
58) 2-Chloroethyl Vinyl ether	9.77	63	2800	2.087	ug/l #	46
59) 2-Hexanone	10.82	43	5713269	3688.137	ug/l #	25
60) Dibromochloromethane	10.92	129	33593	12.885	ug/l #	51
61) 1,2-Dibromoethane	11.11	107	4251	1.821	ug/l #	3
65) Chlorobenzene	11.42	112	178217	39.522	ug/l #	54
66) 1,1,1,2-Tetrachloroethane	11.73	131	1843	1.238	ug/l #	1
67) Ethyl Benzene	11.61	91	9164001	1129.854	ug/l	99
68) m/p-Xylenes	11.72	106	24879256	8078.640	ug/l #	1
69) o-Xylene	12.05	106	18561759	6406.737	ug/l #	1
70) Styrene	12.05	104	980161	198.964	ug/l #	1
73) Isopropylbenzene	12.35	105	3610085	625.561	ug/l	100
74) N-amyl acetate	12.14	43	4471880	2949.617	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.55	83	432263	380.219	ug/l #	77
76) 1,2,3-Trichloropropane	12.69	75	66190	71.996	ug/l #	100
77) Bromobenzene	12.60	156	7465	5.752	ug/l #	1
78) n-propylbenzene	12.69	91	8446747	1201.202	ug/l	98
79) 2-Chlorotoluene	12.75	91	10061846	2591.023	ug/l #	40

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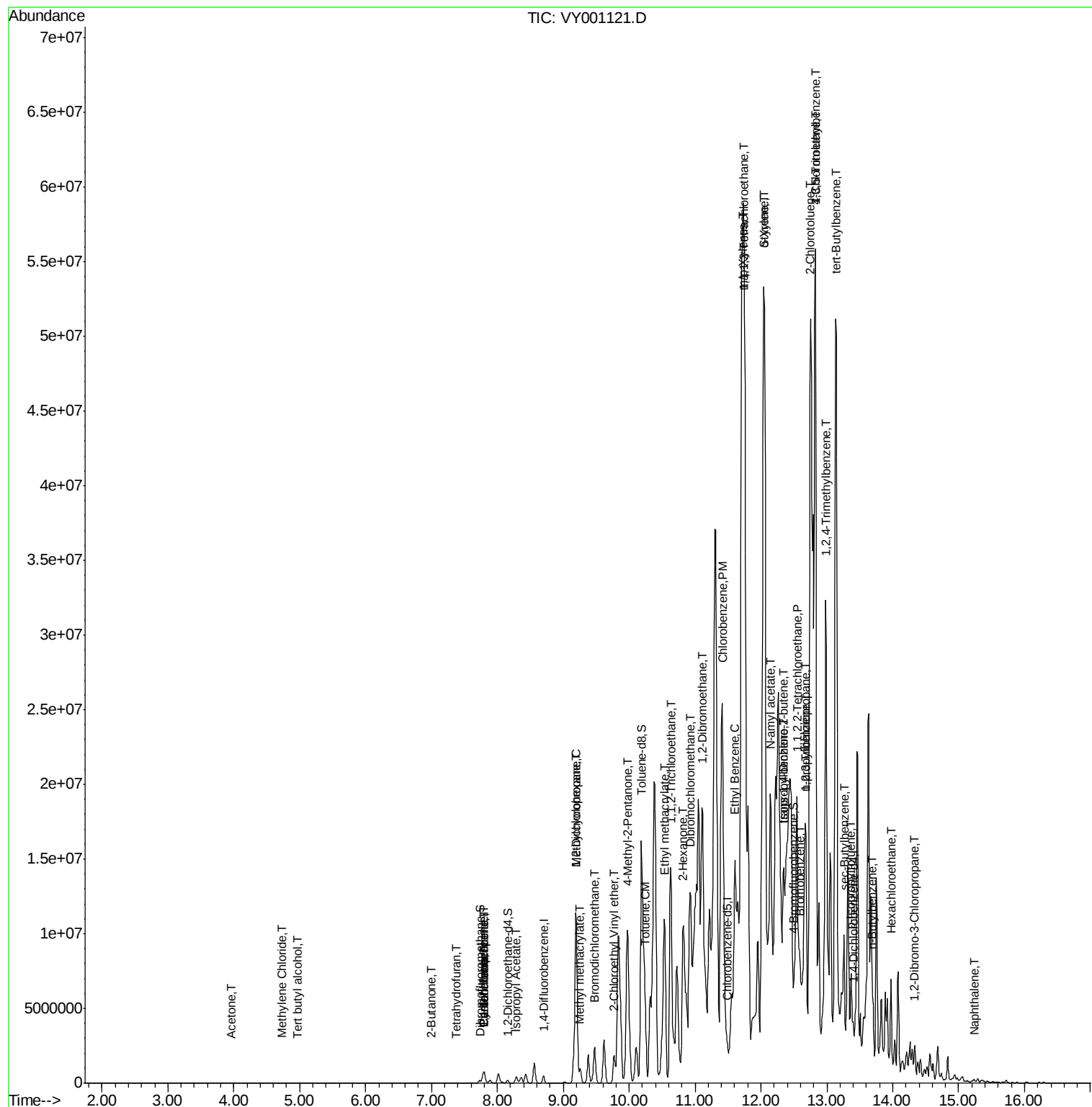
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.83	105	15954780	3372.807	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.35	75	53424	123.935	ug/l #	1
82) 4-Chlorotoluene	12.83	91	2182102	540.991	ug/l #	44
83) tert-Butylbenzene	13.14	119	6021970	1516.539	ug/l #	59
84) 1,2,4-Trimethylbenzene	12.98	105	17048052	3586.400	ug/l	84
85) sec-Butylbenzene	13.26	105	3372710	576.140	ug/l #	76
86) p-Isopropyltoluene	13.38	119	1388284	274.073	ug/l	96
89) n-Butylbenzene	13.70	91	1720506	337.598	ug/l #	79
90) Hexachloroethane	13.97	117	278493	291.819	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.33	75	7112	37.391	ug/l #	1
95) Naphthalene	15.23	128	125603	34.411	ug/l	99

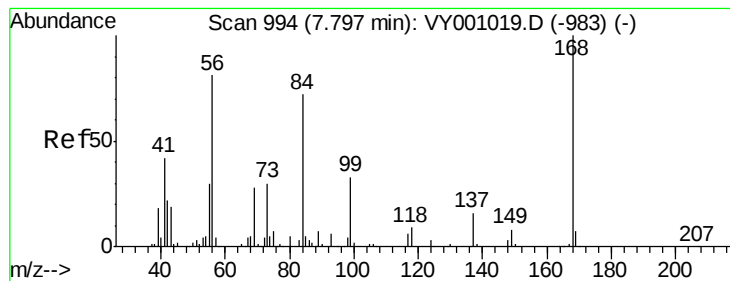
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

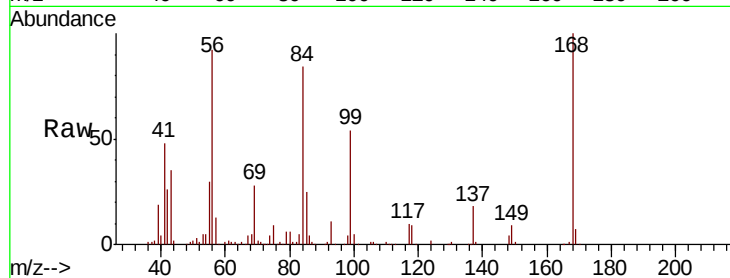
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 236868

Ion Ratio Lower Upper

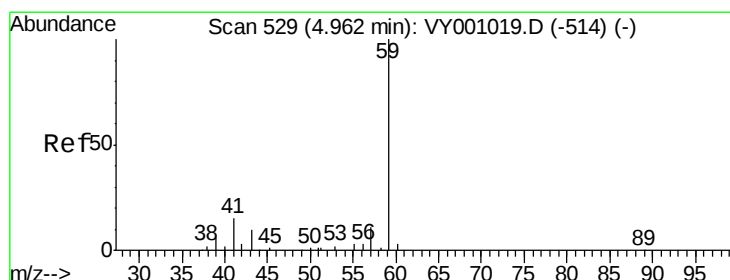
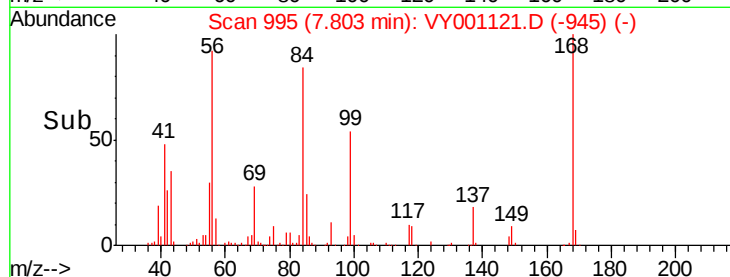
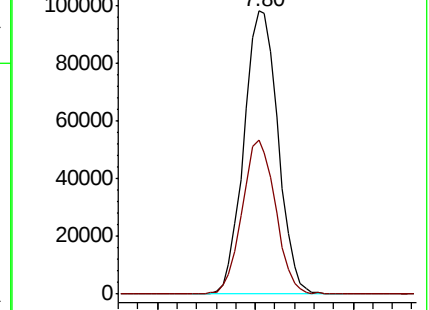
168 100

99 54.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)



#11

Tert butyl alcohol

Concen: 2.418 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY001121.D

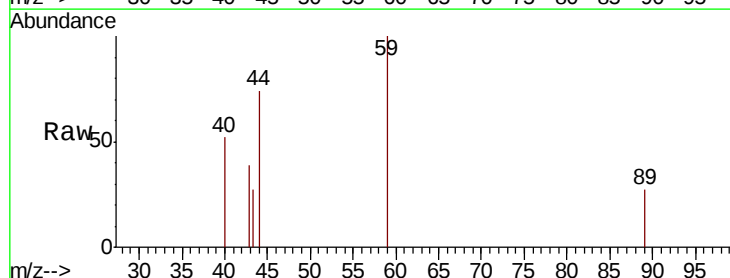
Acq: 30 Dec 2019 13:33

Tgt Ion: 59 Resp: 621

Ion Ratio Lower Upper

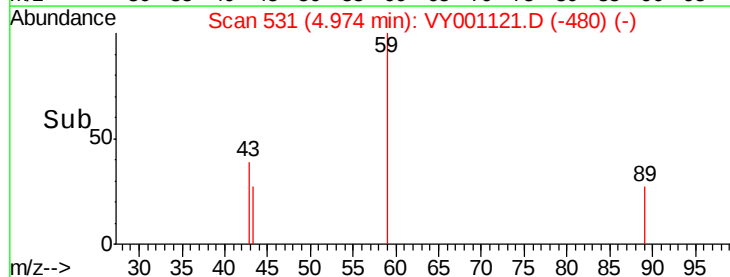
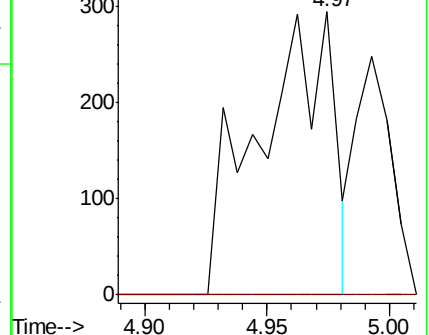
59 100

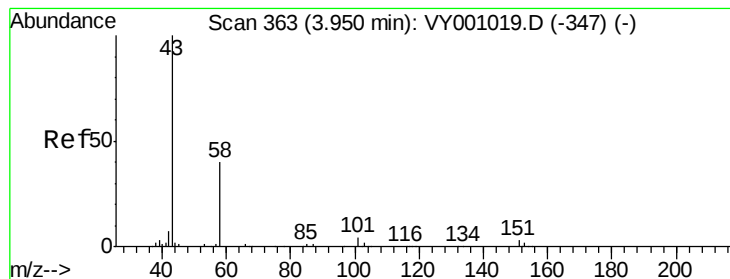
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001019.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY001019.D (-514) (-)





#16

Acetone

Concen: 17.912 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

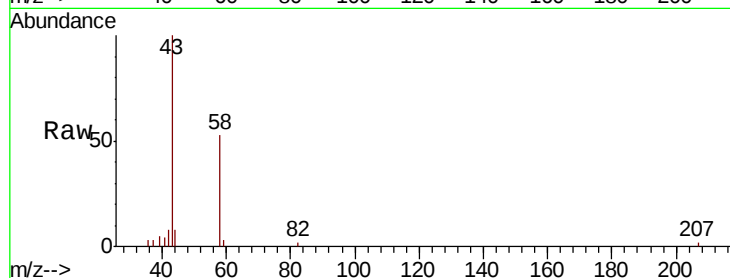
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 9640

Ion Ratio Lower Upper

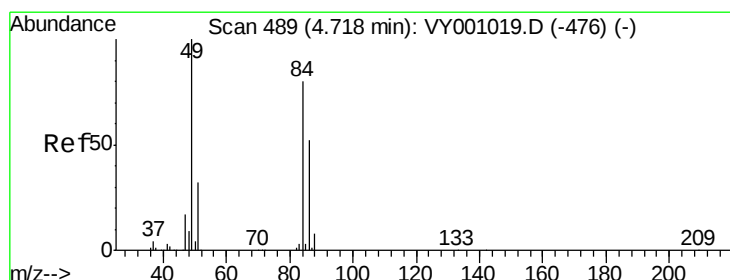
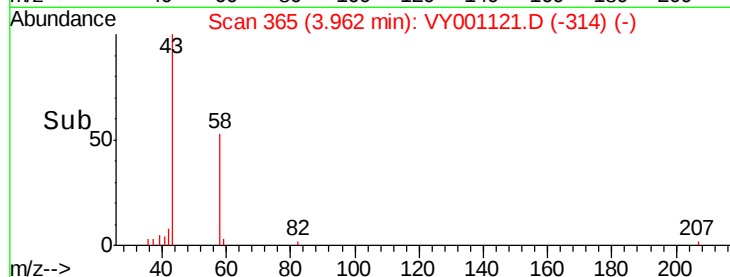
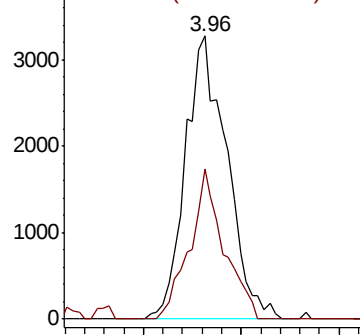
43 100

58 53.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)



#20

Methylene Chloride

Concen: 5.124 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Tgt Ion: 84 Resp: 16233

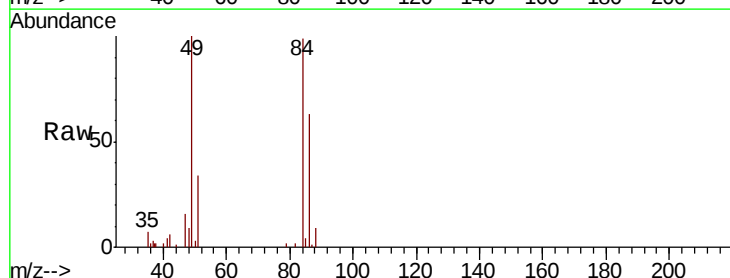
Ion Ratio Lower Upper

84 100

49 101.2 99.8 149.6

51 34.9 31.4 47.2

86 63.5 52.2 78.2

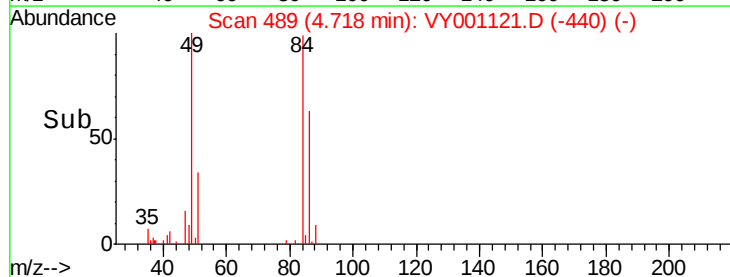
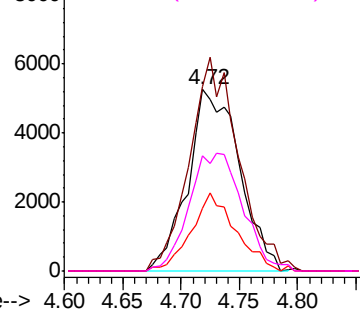


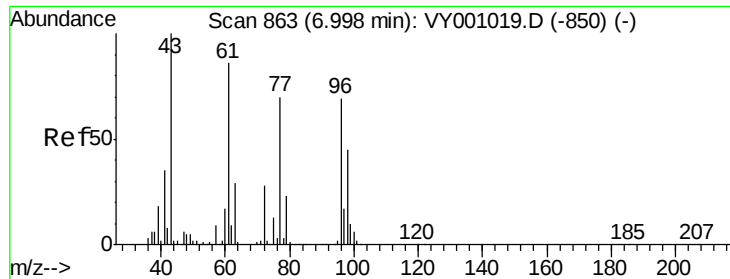
Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001019.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY001019.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY001019.D (-476) (-)





#25

2-Butanone

Concen: 3.848 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

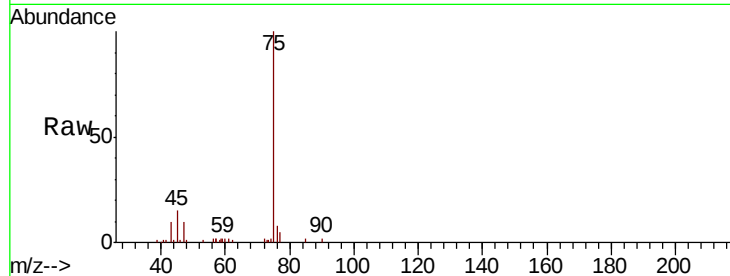
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3638

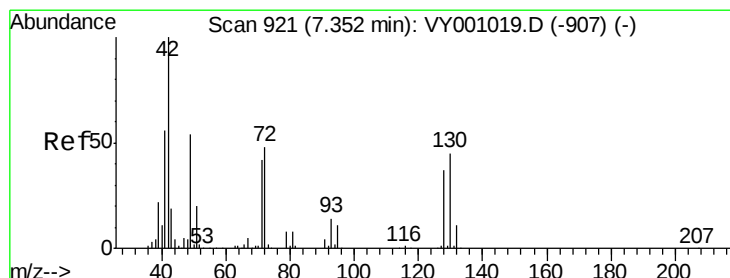
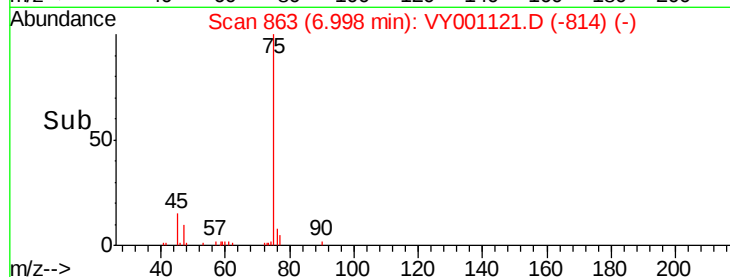
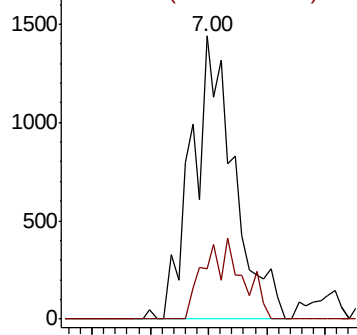
Ion Ratio Lower Upper

43 100

72 17.9 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 1.170 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

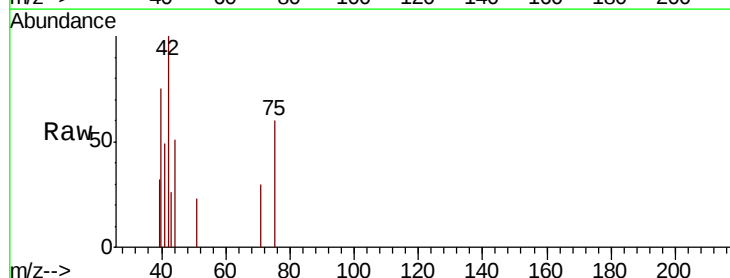
Tgt Ion: 42 Resp: 787

Ion Ratio Lower Upper

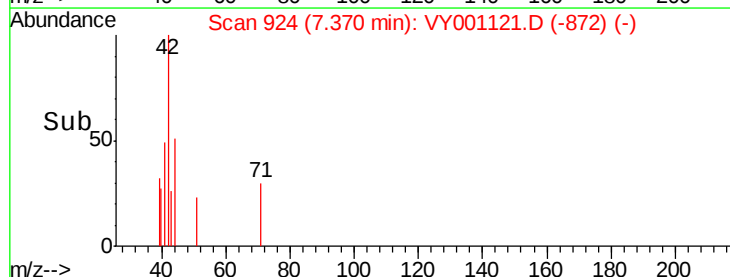
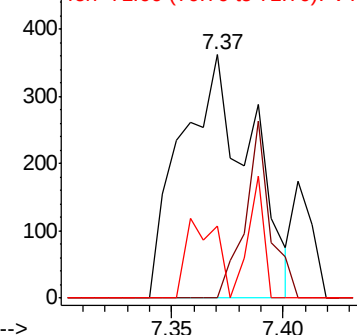
42 100

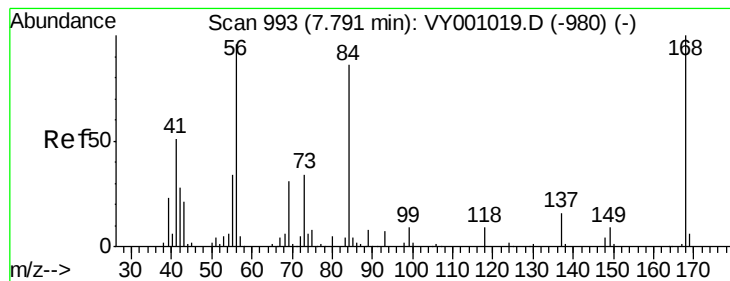
72 25.9 37.7 56.5#

71 0.0 34.6 51.8#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

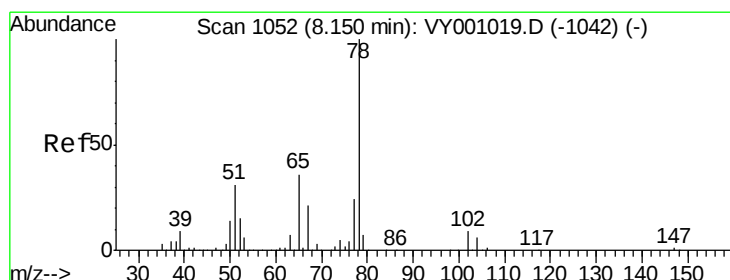
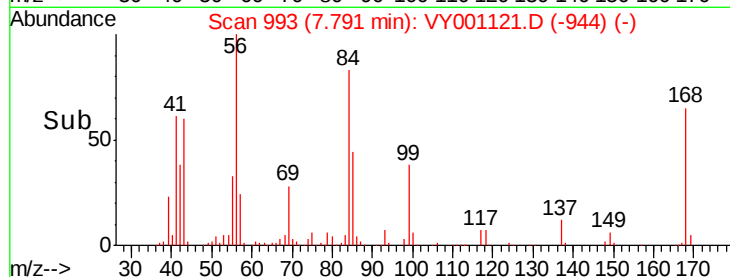
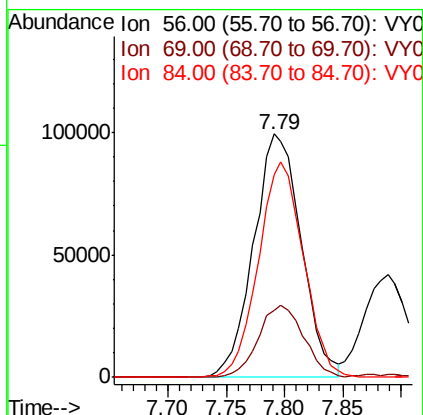
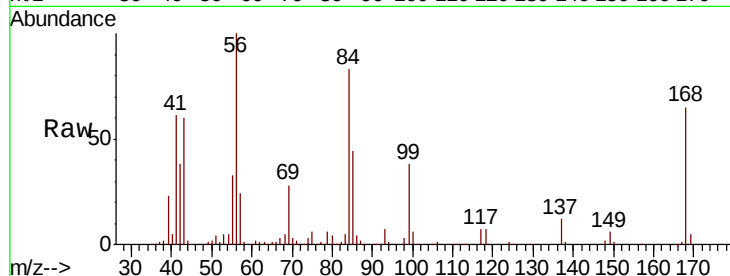




#31
Cyclohexane
Concen: 54.130 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

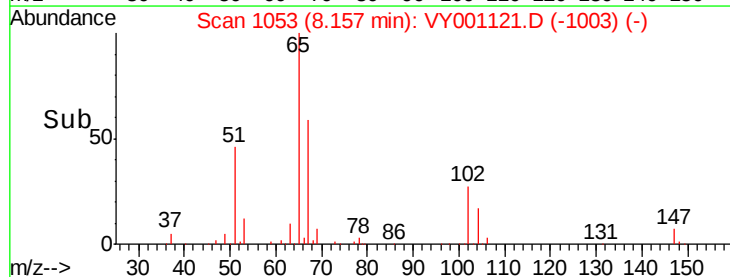
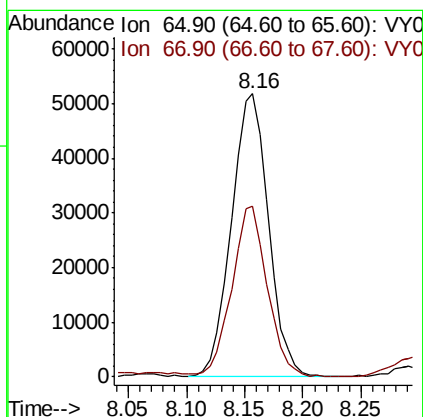
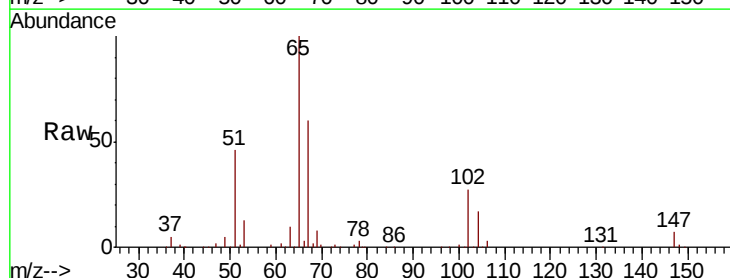
Instrument :
MSVOA_Y
ClientSampled :

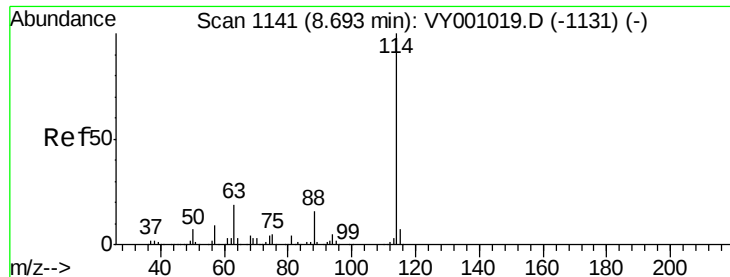
Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	26.1	39.1
84	83.4	71.8	107.8



#33
1,2-Dichloroethane-d4
Concen: 49.150 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion	Ratio	Lower	Upper
65	100		
67	57.8	0.0	112.8

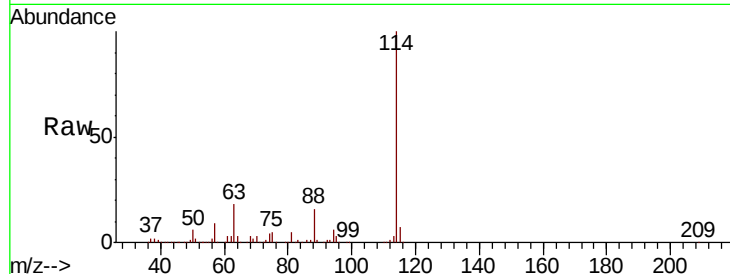




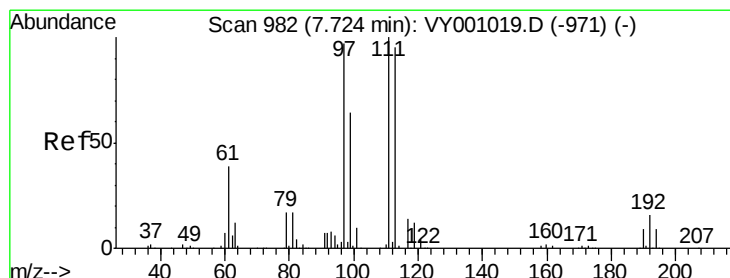
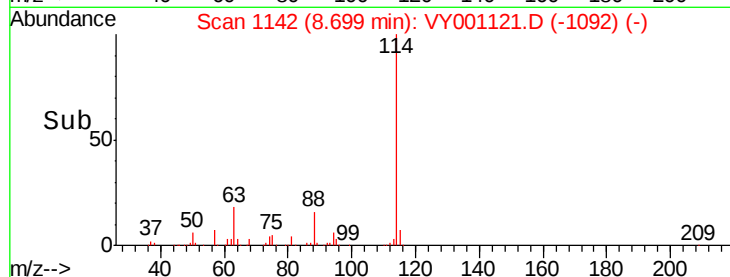
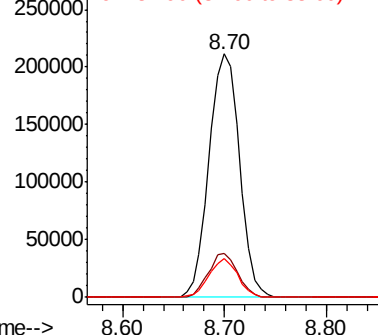
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:114 Resp: 439258
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.0
88 15.8 0.0 32.0

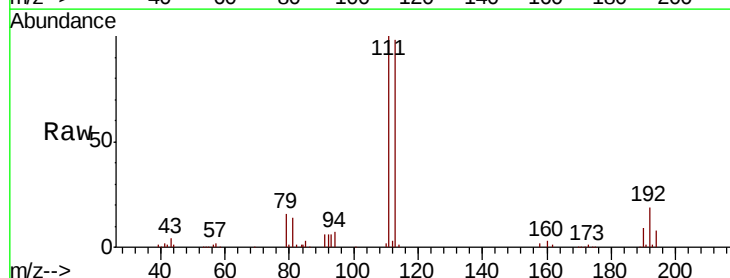


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

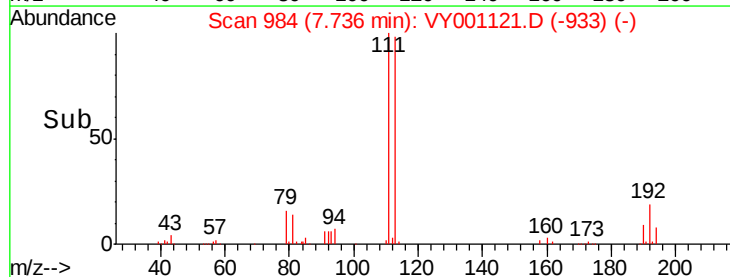
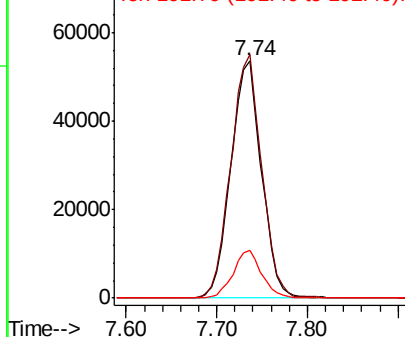


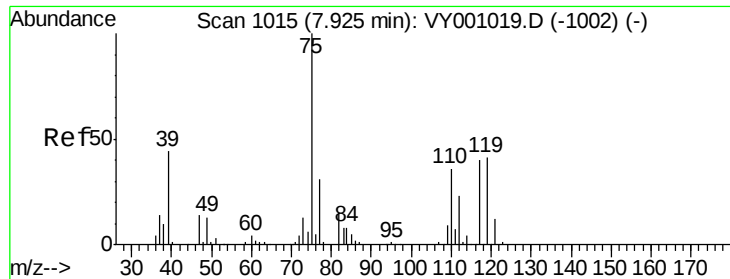
#35
Dibromofluoromethane
Concen: 48.560 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion:113 Resp: 125605
Ion Ratio Lower Upper
113 100
111 103.5 83.0 124.4
192 18.8 14.6 21.8



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

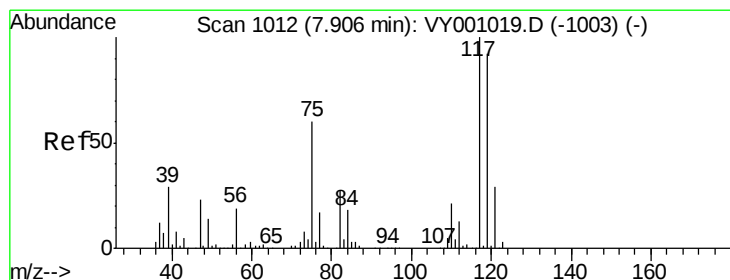
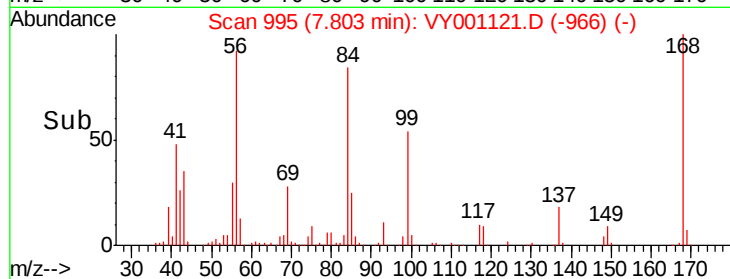
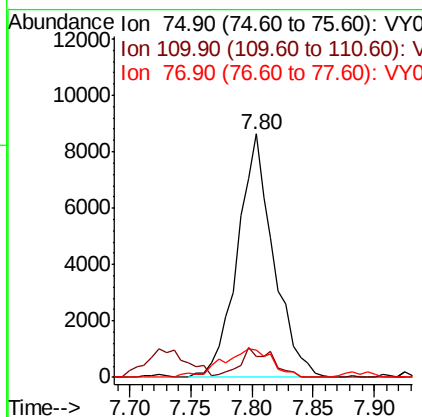
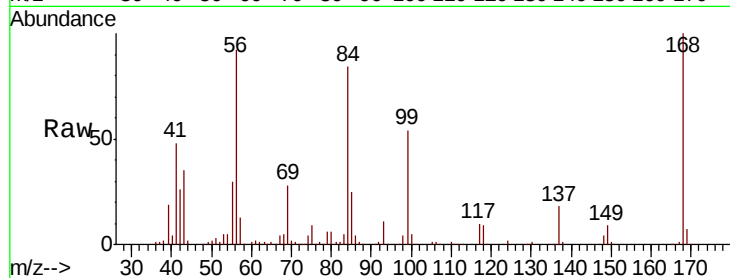




#36
 1,1-Dichloropropene
 Concen: 4.195 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

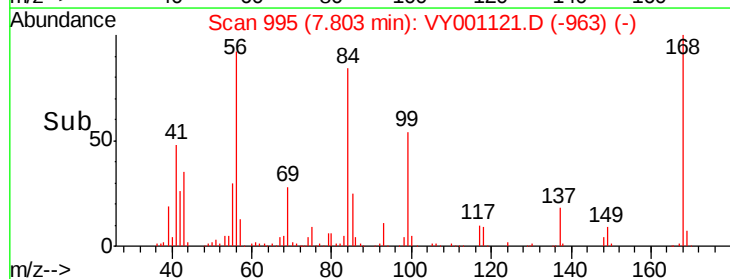
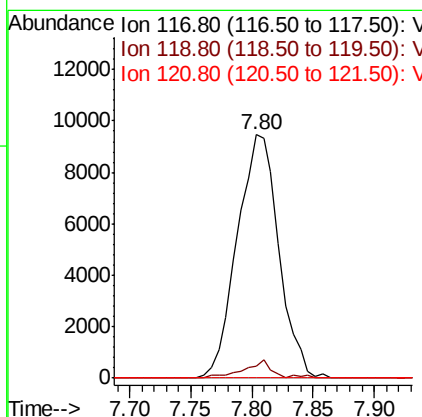
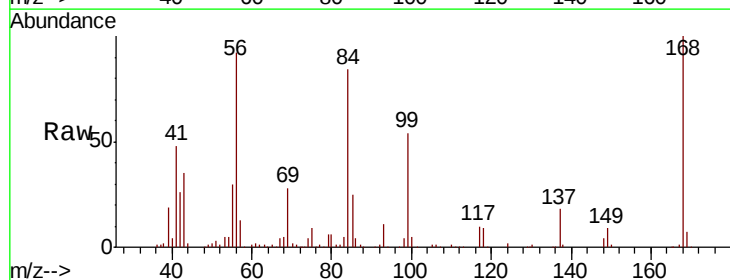
Instrument :
 MSVOA_Y
 ClientSampled :

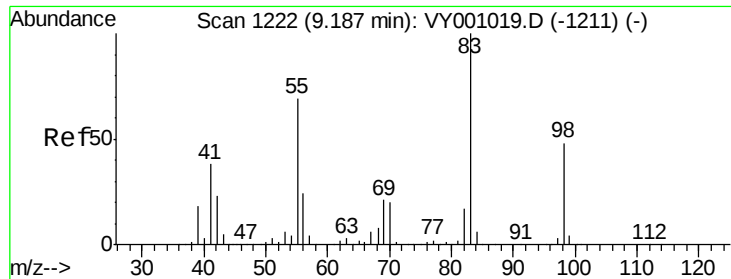
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.4#
77	16.5	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.096 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.2	111.2#
121	0.0	22.9	34.3#

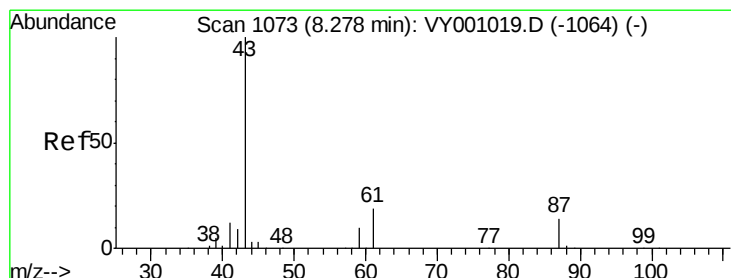
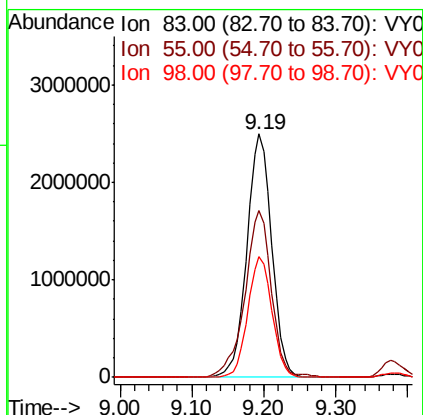
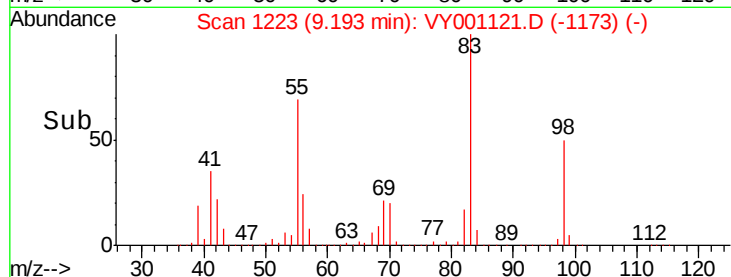
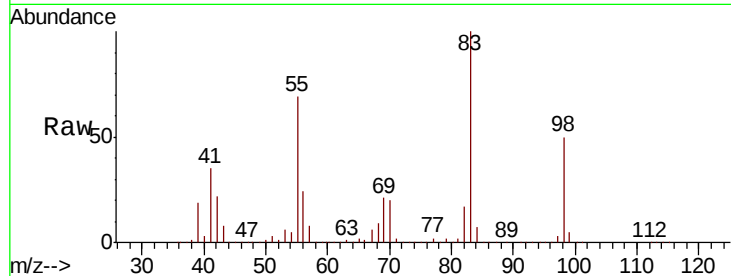




#39
Methylcyclohexane
Concen: 1074.170 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

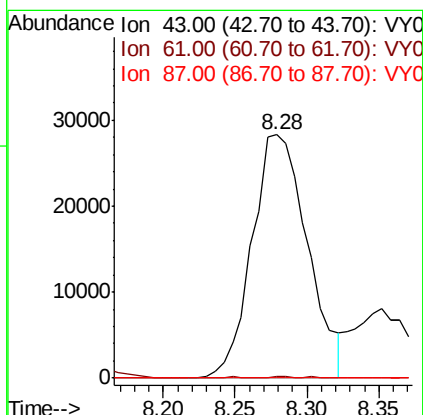
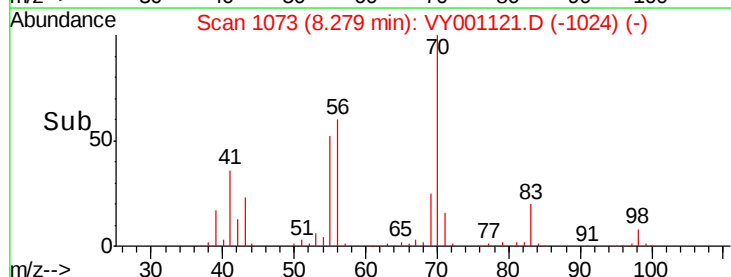
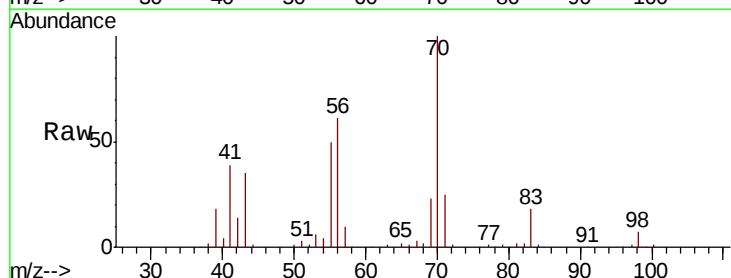
Instrument :
MSVOA_Y
ClientSampleId :

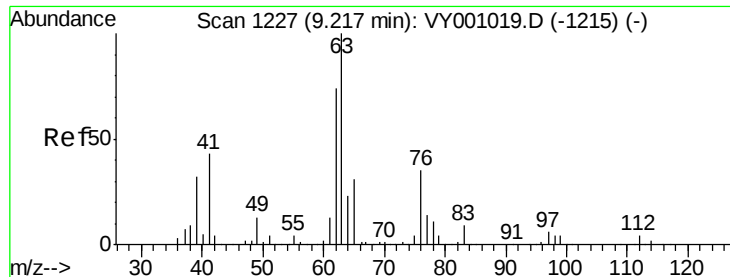
Tot Ion: 83 Resp: 5977542
Ion Ratio Lower Upper
83 100
55 68.7 55.1 82.7
98 49.8 38.3 57.5



#43
Isopropyl Acetate
Concen: 17.625 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion: 43 Resp: 75706
Ion Ratio Lower Upper
43 100
61 0.3 25.0 37.6#
87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 16.281 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

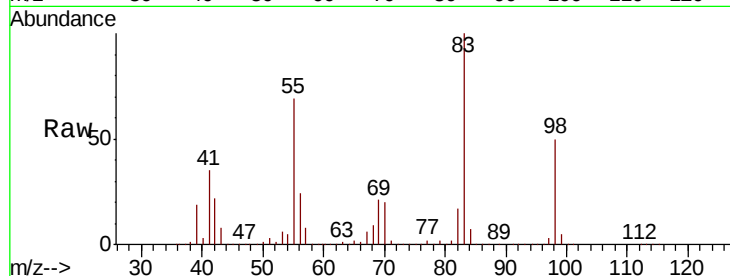
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 63 Resp: 51636

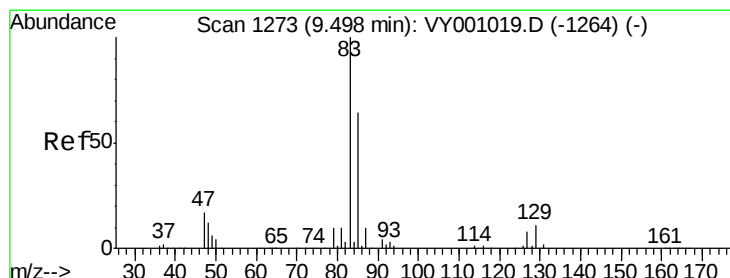
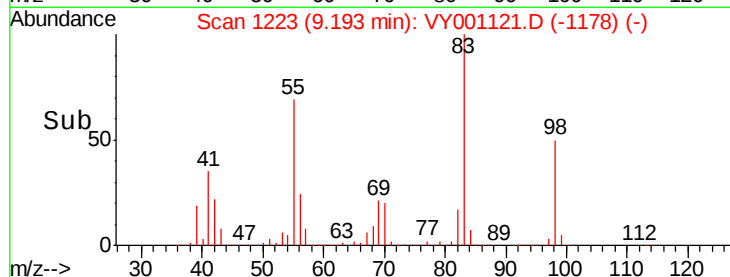
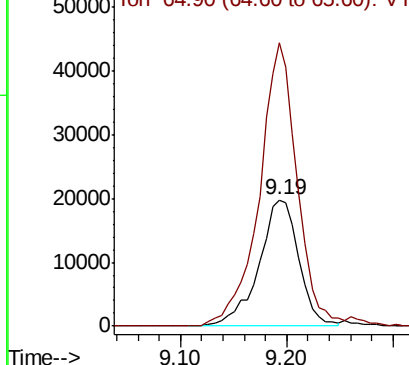
Ion Ratio Lower Upper

63 100

65 224.6 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 64.90 (64.60 to 65.60): VY0



#47

Bromodichloromethane

Concen: 20.545 ug/l

RT: 9.47 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

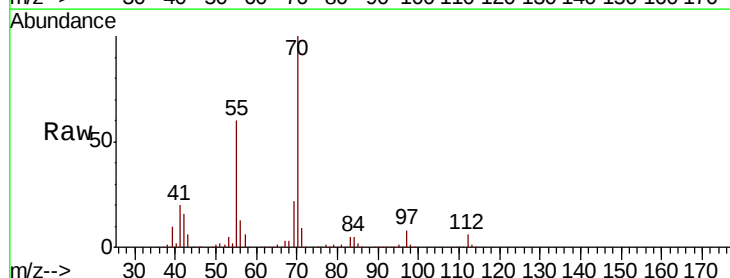
Tgt Ion: 83 Resp: 77802

Ion Ratio Lower Upper

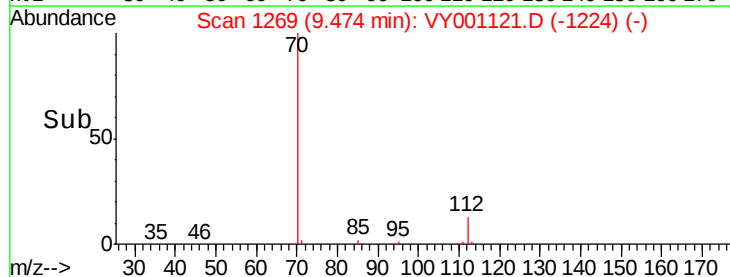
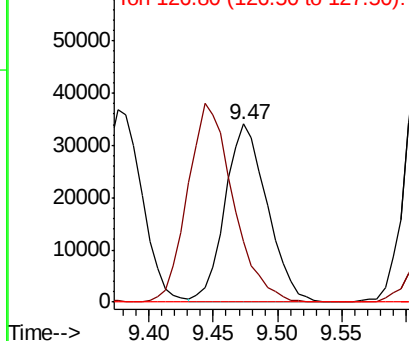
83 100

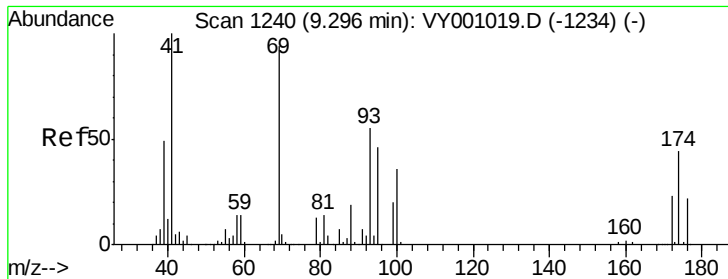
85 34.2 50.9 76.3#

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

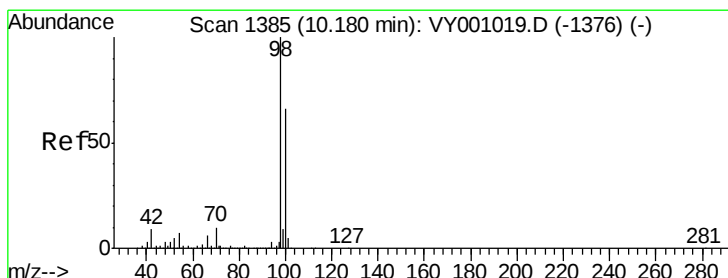
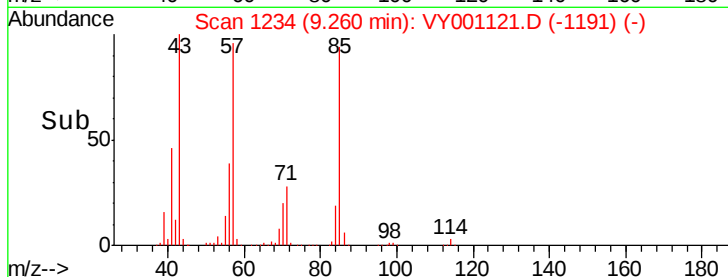
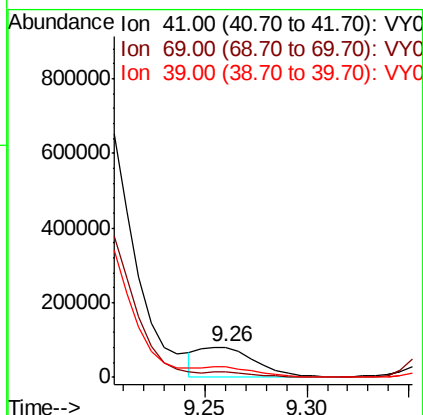
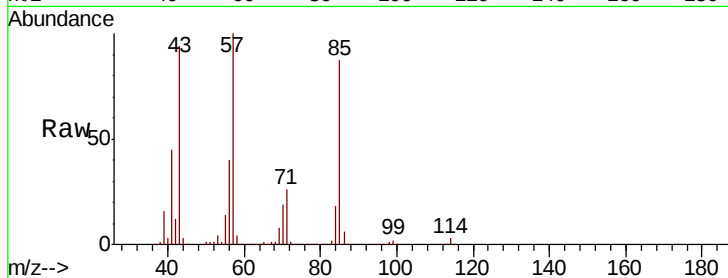




#48
Methvl methacrylate
Concen: 85.012 ug/l
RT: 9.26 min Scan# 1234
Delta R.T. -0.04 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

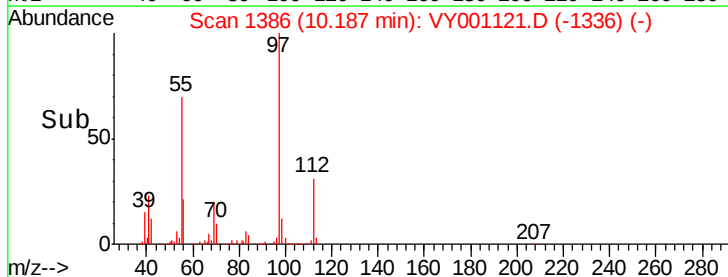
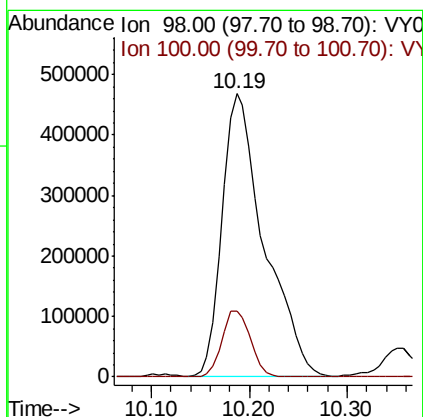
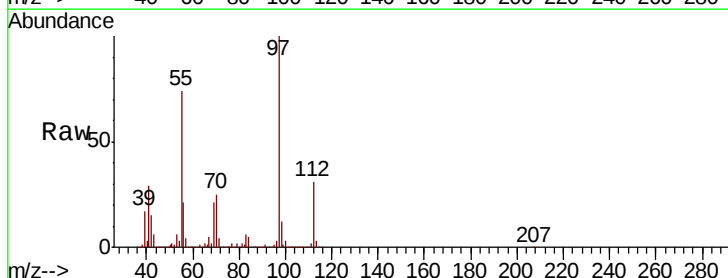
Instrument :
MSVOA_Y
ClientSampled :

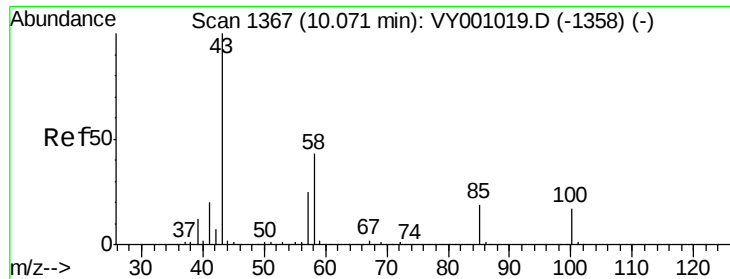
Tot Ion: 41 Resp: 155824
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.6#
39 0.0 41.7 62.5#



#50
Toluene-d8
Concen: 138.249 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion: 98 Resp: 1397471
Ion Ratio Lower Upper
98 100
100 15.8 53.0 79.4#





#51

4-Methyl-2-Pentanone

Concen: 2560.503 ug/l

RT: 9.97 min Scan# 1351

Delta R.T. -0.10 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

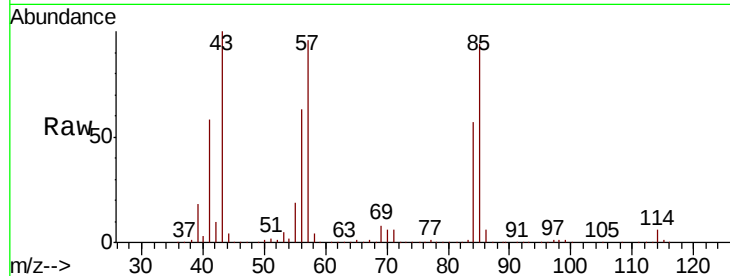
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 5732357

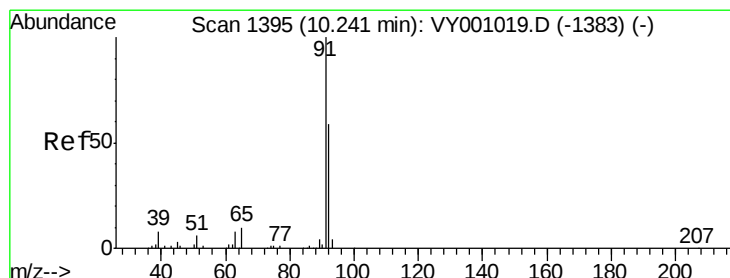
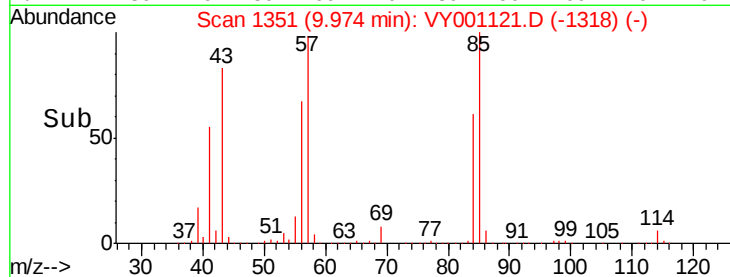
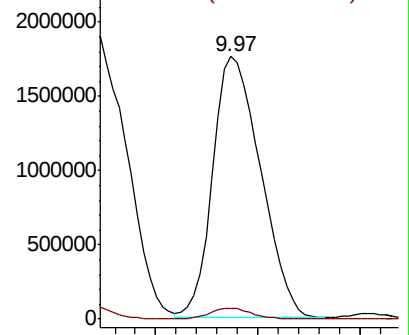
Ion Ratio Lower Upper

43 100

58 3.7 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 104.648 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY001121.D

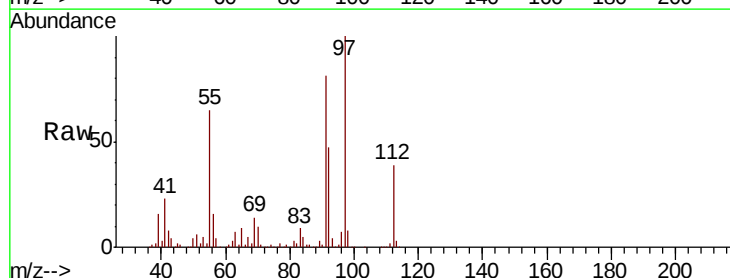
Acq: 30 Dec 2019 13:33

Tgt Ion: 92 Resp: 814277

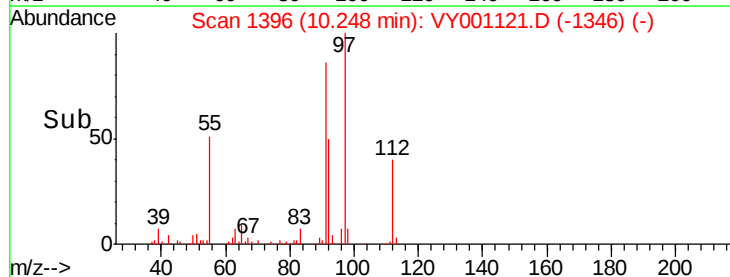
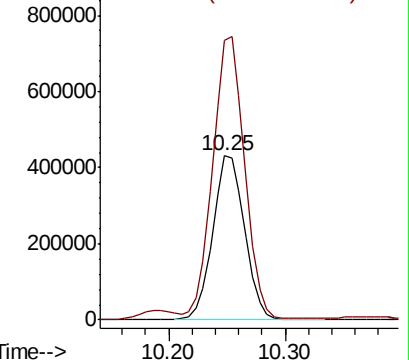
Ion Ratio Lower Upper

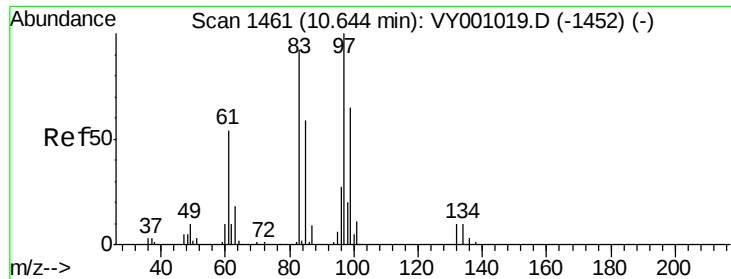
92 100

91 172.8 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VY0
Ion 91.00 (90.70 to 91.70): VY0





#55

1,1,2-Trichloroethane

Concen: 3088.127 ug/l

RT: 10.63 min Scan# 1459

Delta R.T. -0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 7537098

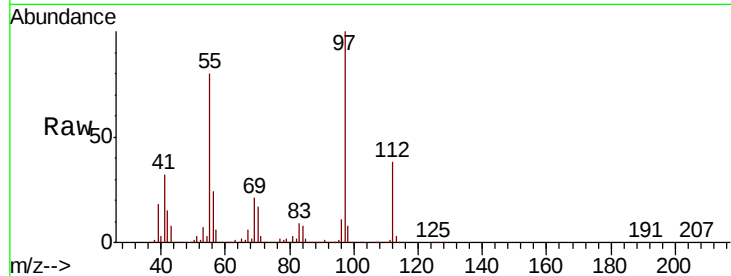
Ion Ratio Lower Upper

97 100

83 8.4 73.7 110.5#

85 1.7 47.3 70.9#

99 0.2 51.9 77.9#

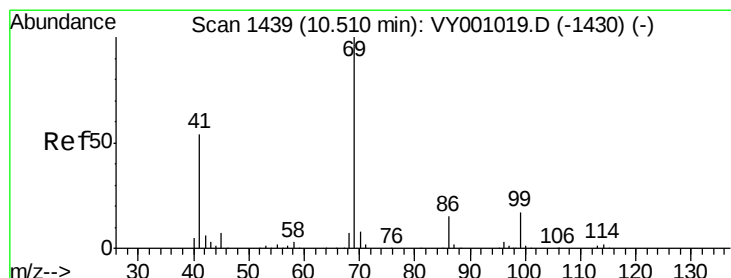
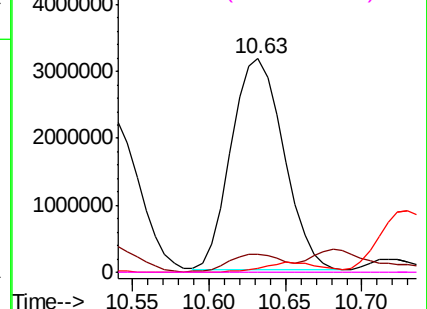
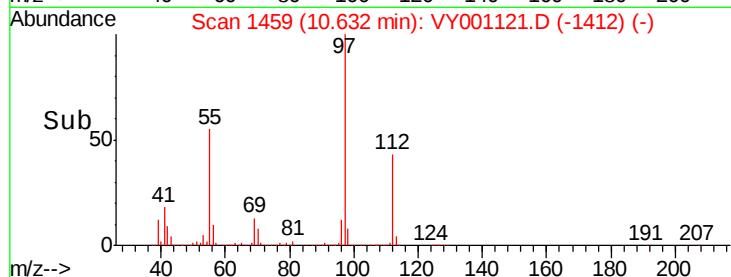


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 696.005 ug/l

RT: 10.53 min Scan# 1443

Delta R.T. 0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

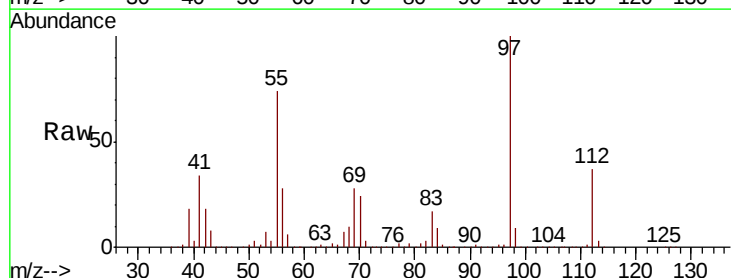
Tgt Ion: 69 Resp: 2417668

Ion Ratio Lower Upper

69 100

41 86.1 44.7 67.1#

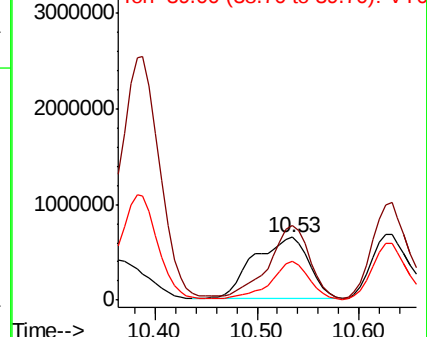
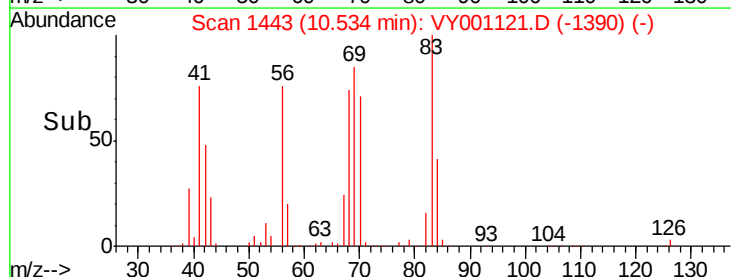
39 42.1 22.2 33.4#

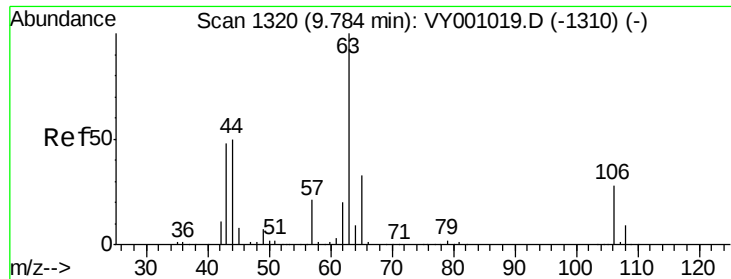


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

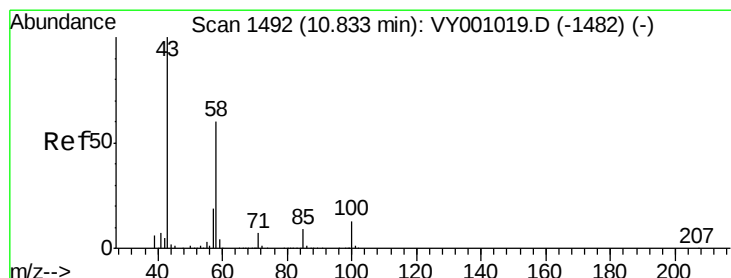
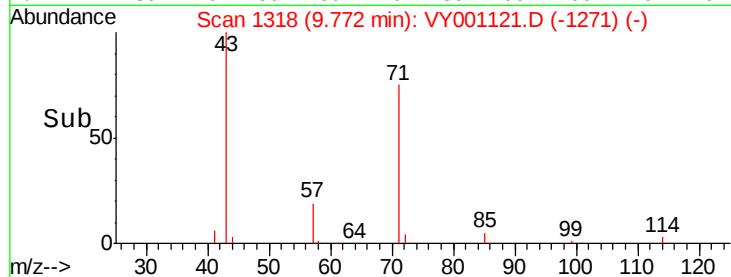
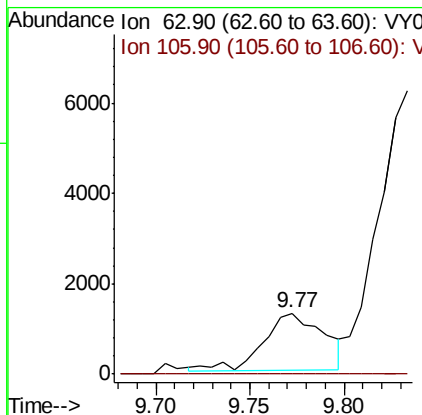
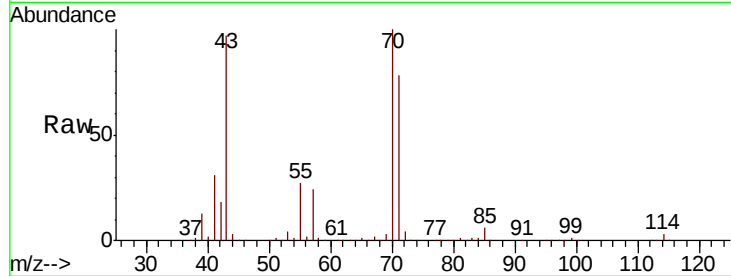




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.087 ug/l
 RT: 9.77 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

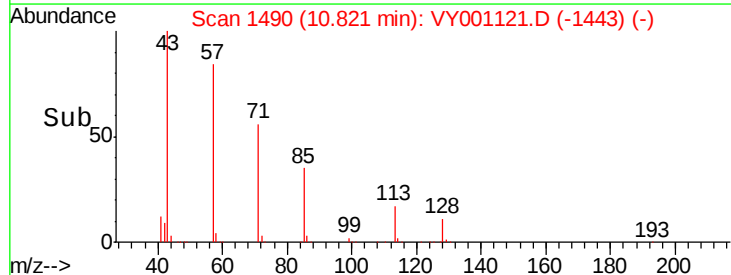
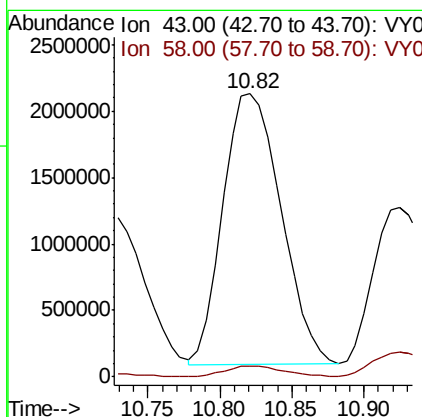
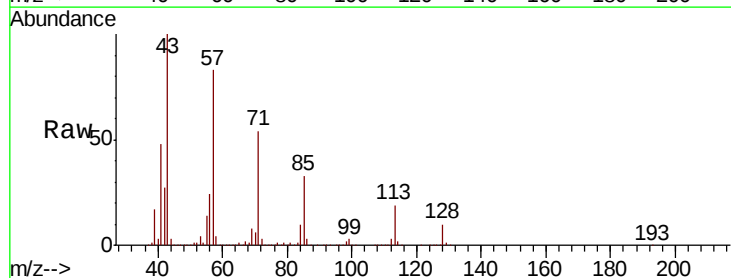
Instrument :
 MSVOA_Y
 ClientSampleId :

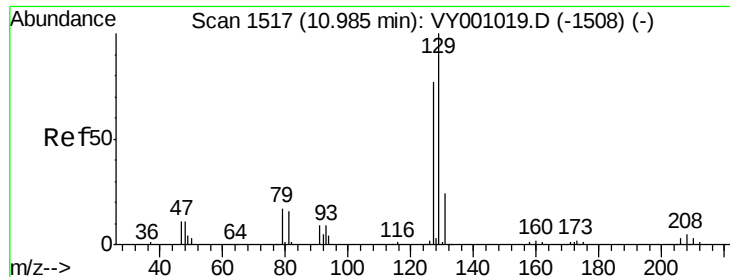
Tot Ion: 63 Resp: 2800
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#



#59
 2-Hexanone
 Concen: 3688.137 ug/l
 RT: 10.82 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

Tgt Ion: 43 Resp: 5713269
 Ion Ratio Lower Upper
 43 100
 58 3.8 30.6 91.6#





#60

Dibromochloromethane

Concen: 12.885 ug/l

RT: 10.92 min Scan# 1507

Delta R.T. -0.06 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

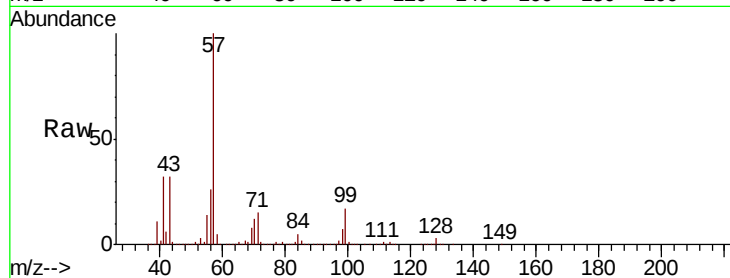
ClientSampled :

Tot Ion:129 Resp: 33593

Ion Ratio Lower Upper

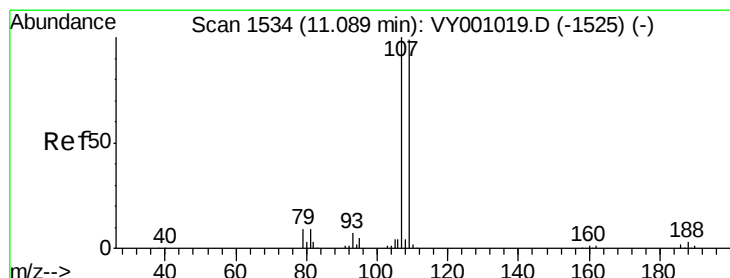
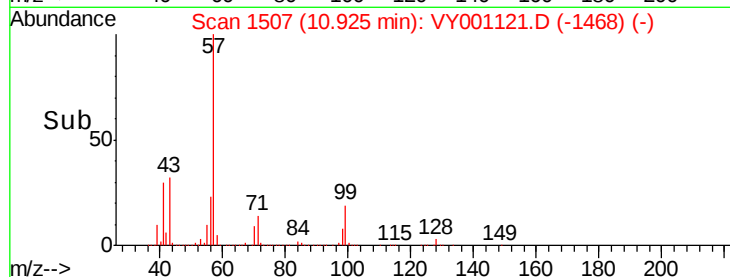
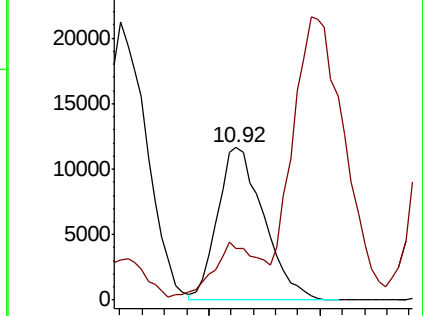
129 100

127 35.4 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.821 ug/l

RT: 11.11 min Scan# 1538

Delta R.T. 0.02 min

Lab File: VY001121.D

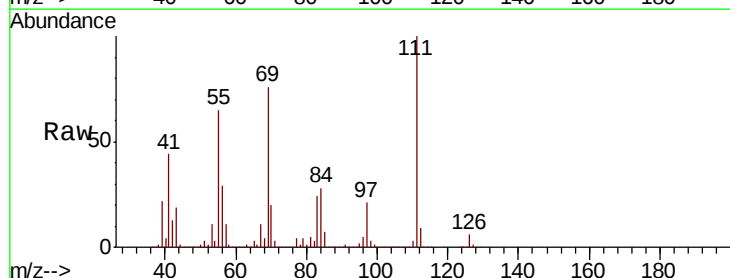
Acq: 30 Dec 2019 13:33

Tgt Ion:107 Resp: 4251

Ion Ratio Lower Upper

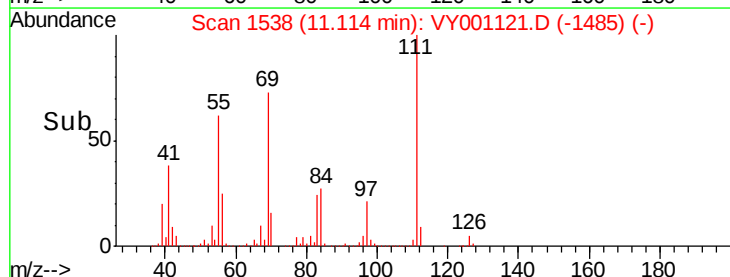
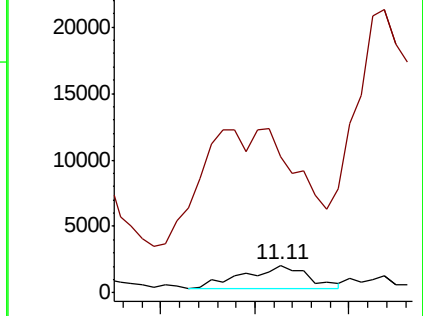
107 100

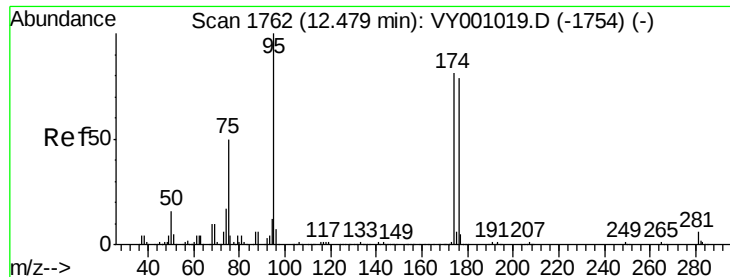
109 0.0 74.8 112.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

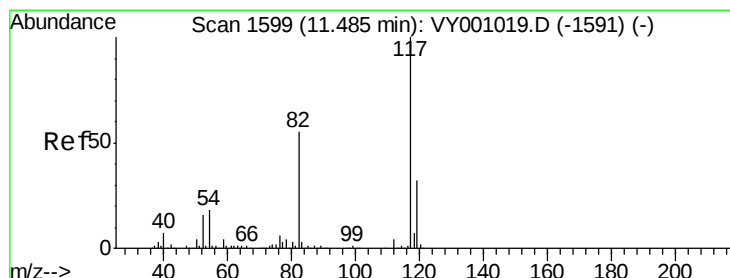
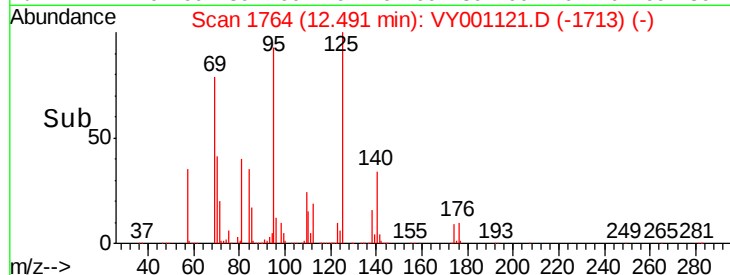
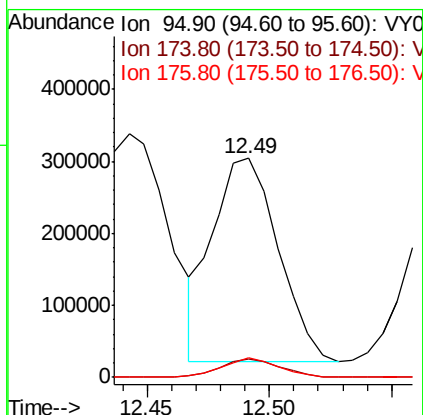
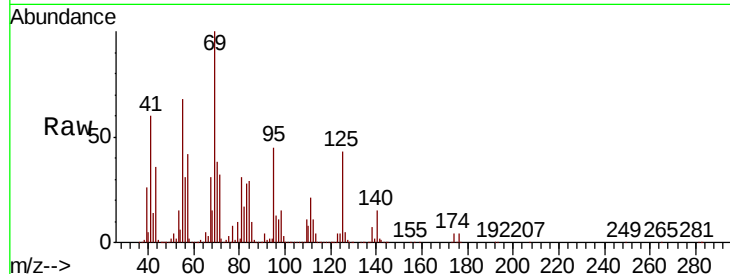




#62
4-Bromofluorobenzene
Concen: 143.160 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

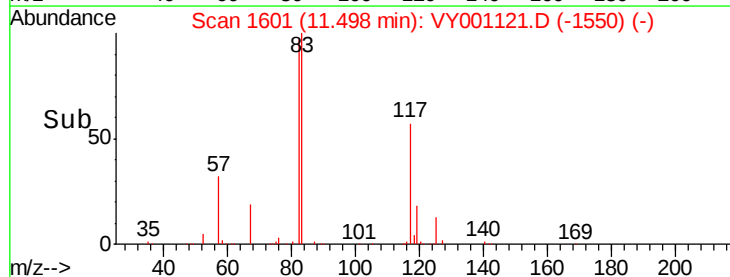
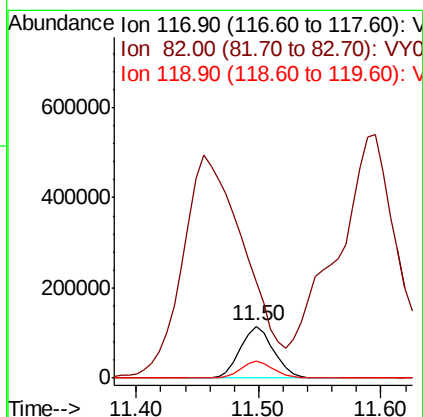
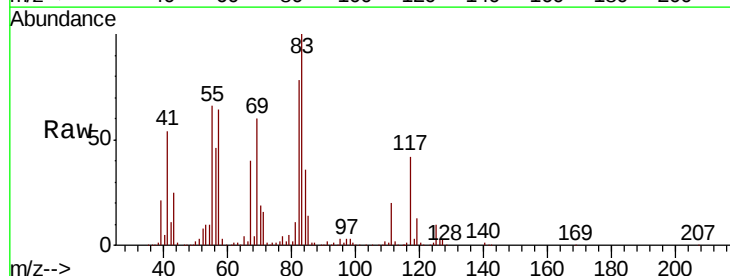
Instrument :
MSVOA_Y
ClientSampled :

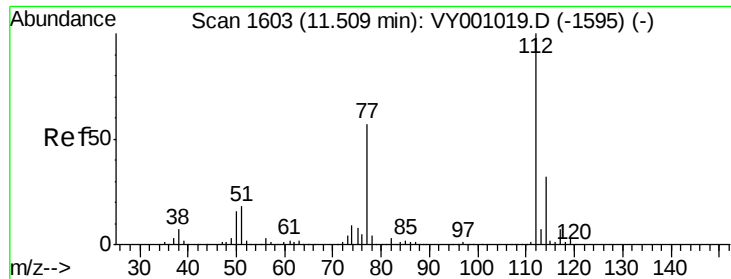
Tot Ion	Ratio	Lower	Upper
95	100		
174	8.3	0.0	156.4
176	8.1	0.0	155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.8	65.8#
119	32.1	25.8	38.6





#65

Chlorobenzene

Concen: 39.522 ug/l

RT: 11.42 min Scan# 1588

Delta R.T. -0.09 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

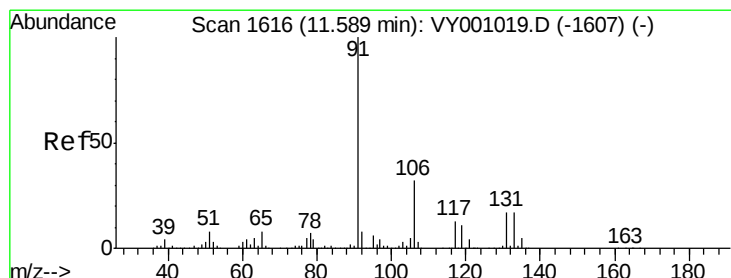
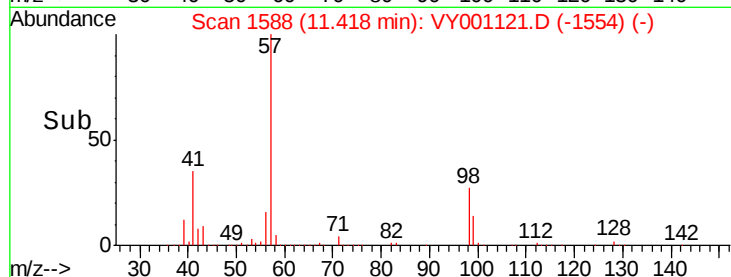
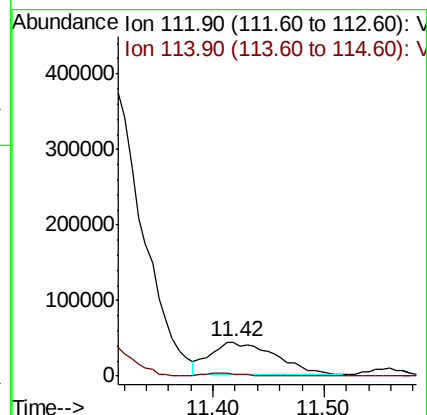
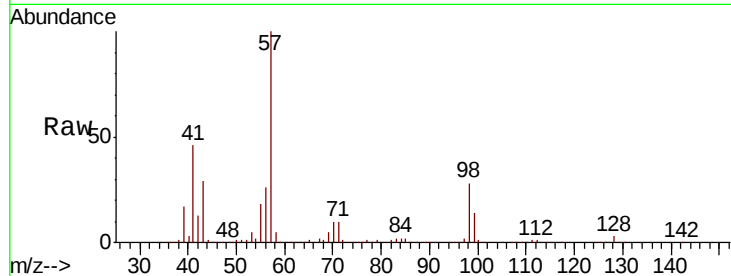
ClientSampleId :

Tot Ion:112 Resp: 178217

Ion Ratio Lower Upper

112 100

114 6.1 25.4 38.2#



#66

1,1,1,2-Tetrachloroethane

Concen: 1.238 ug/l

RT: 11.73 min Scan# 1639

Delta R.T. 0.14 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

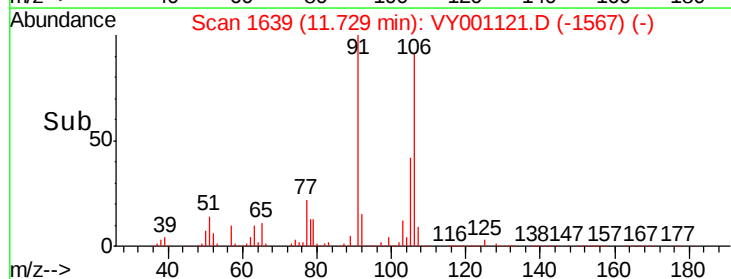
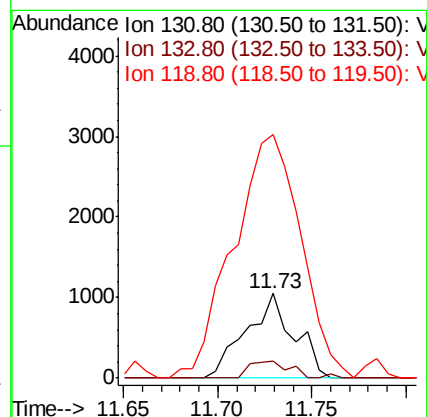
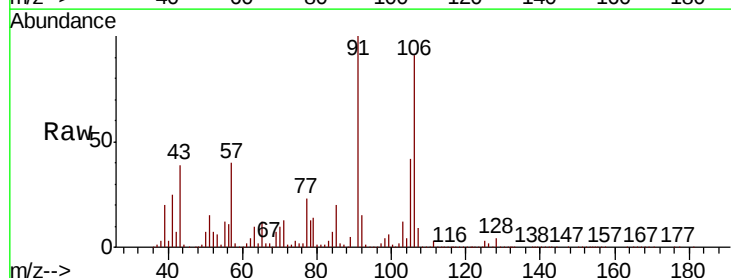
Tgt Ion:131 Resp: 1843

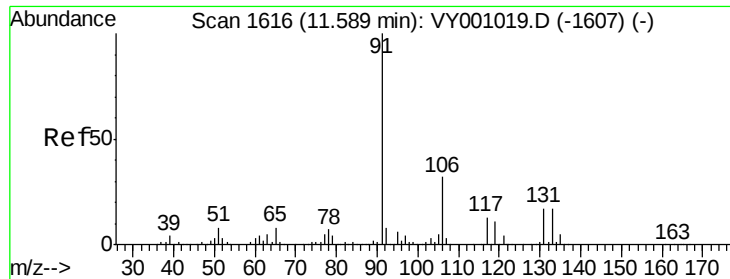
Ion Ratio Lower Upper

131 100

133 16.7 48.1 144.4#

119 408.0 34.0 101.8#

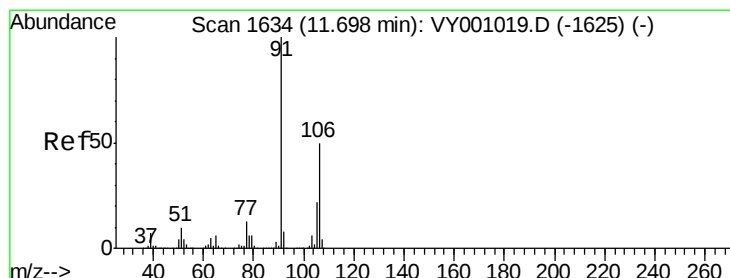
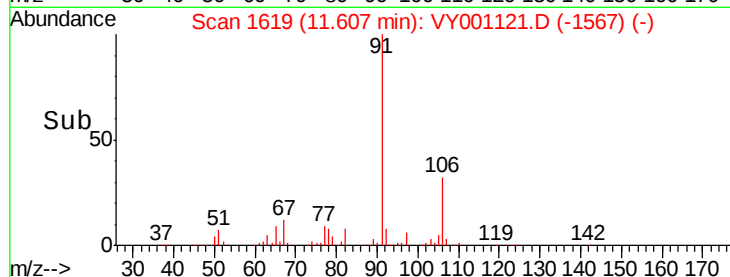
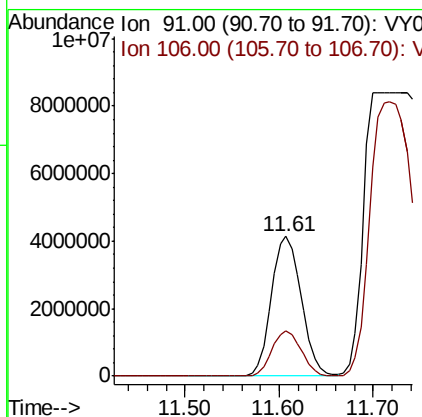
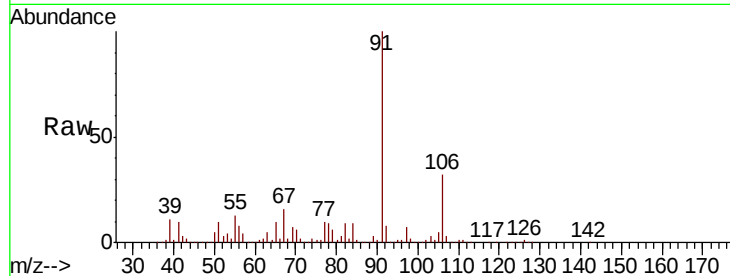




#67
Ethyl Benzene
Concen: 1129.854 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.02 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

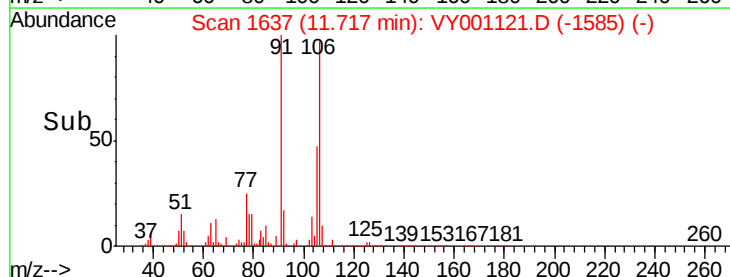
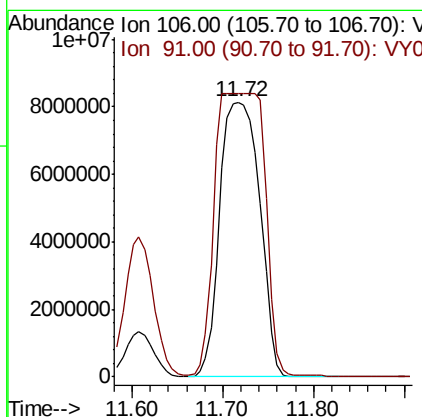
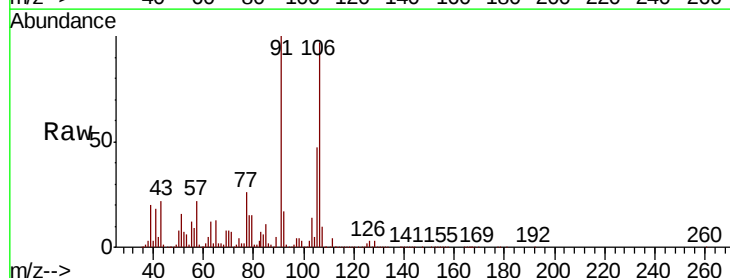
Instrument :
MSVOA_Y
ClientSampleId :

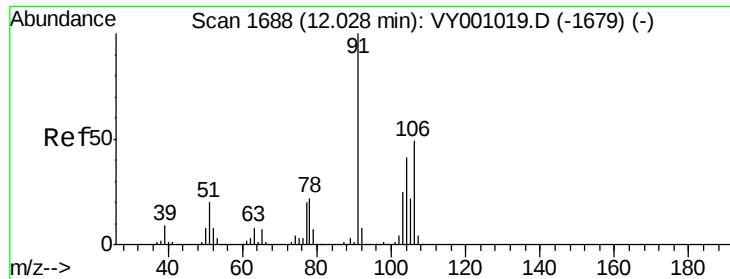
Tot Ion: 91 Resp: 9164001
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9



#68
m/p-Xylenes
Concen: 8078.640 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.02 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion: 106 Resp: 24879256
Ion Ratio Lower Upper
106 100
91 0.0 156.4 234.6#

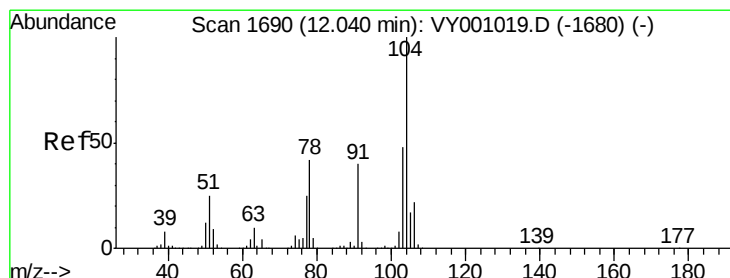
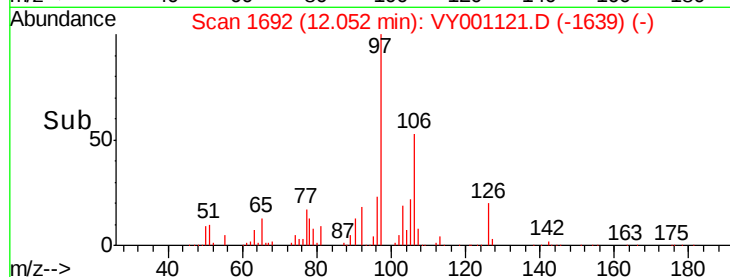
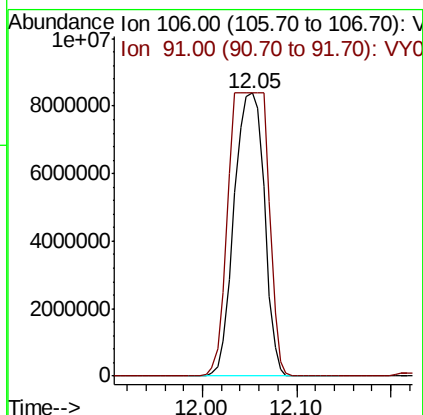
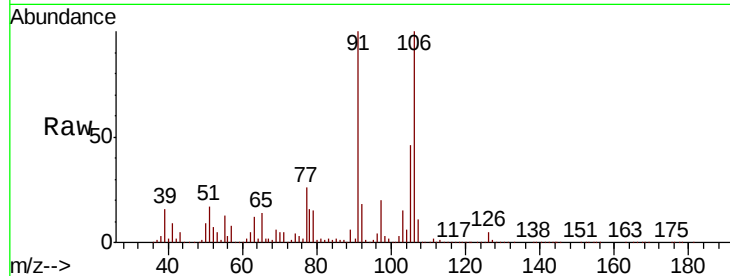




#69
o-Xylene
Concen: 6406.737 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

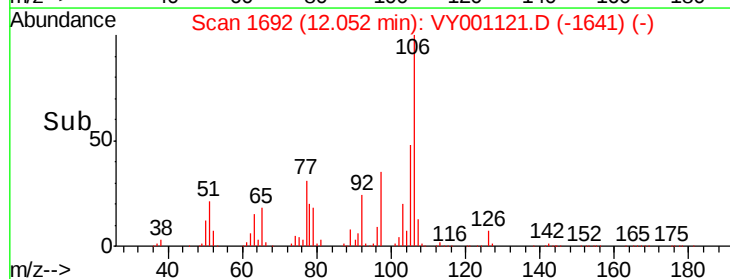
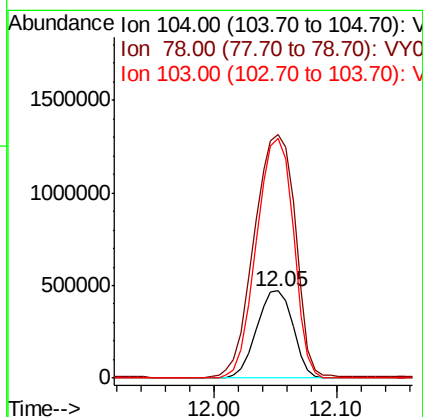
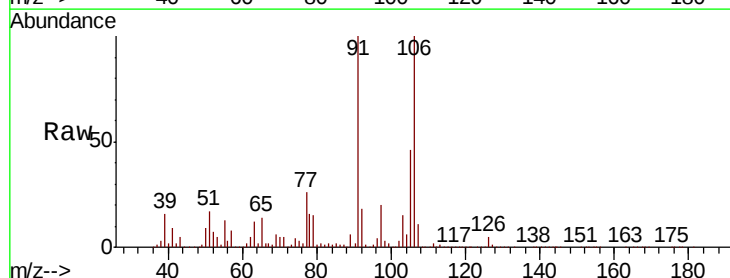
Instrument :
MSVOA_Y
ClientSampled :

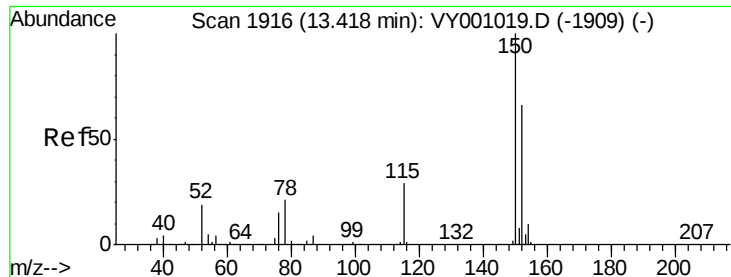
Tot Ion:106 Resp:18561759
Ion Ratio Lower Upper
106 100
91 0.0 103.0 309.0#



#70
Styrene
Concen: 198.964 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Tgt Ion:104 Resp: 980161
Ion Ratio Lower Upper
104 100
78 316.5 36.6 54.8#
103 277.7 42.6 64.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.41 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

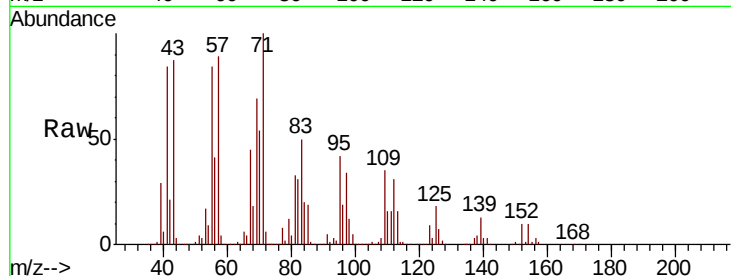
Tot Ion:152 Resp: 74575

Ion Ratio Lower Upper

152 100

115 0.0 29.8 89.3#

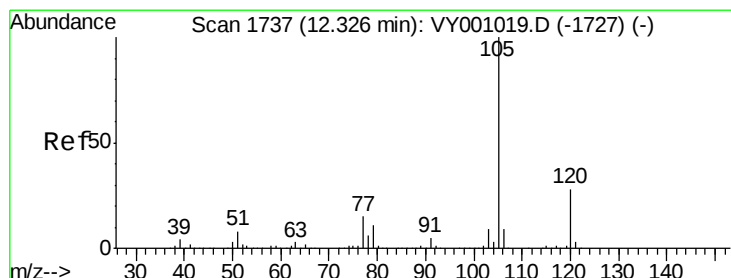
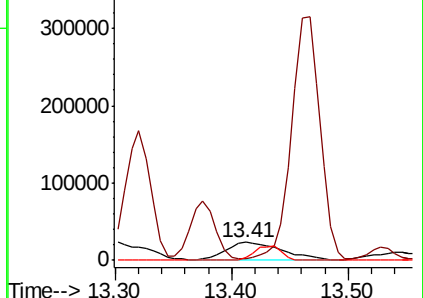
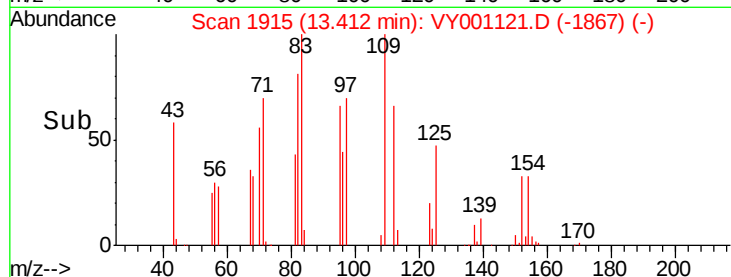
150 0.0 0.0 352.6



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: 625.561 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.02 min

Lab File: VY001121.D

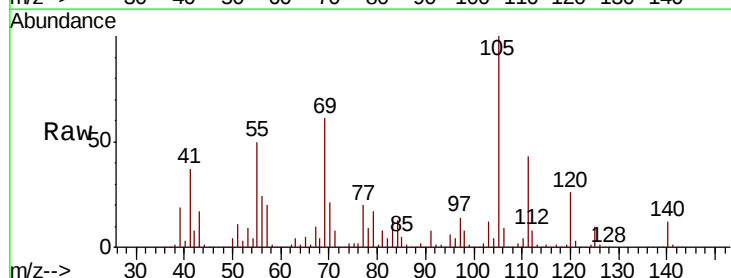
Acq: 30 Dec 2019 13:33

Tgt Ion:105 Resp: 3610085

Ion Ratio Lower Upper

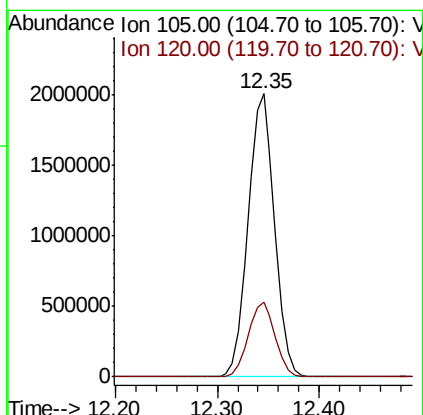
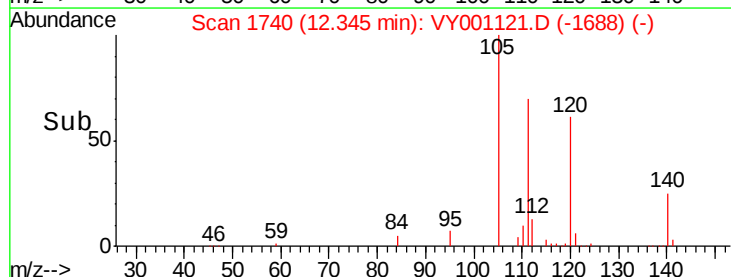
105 100

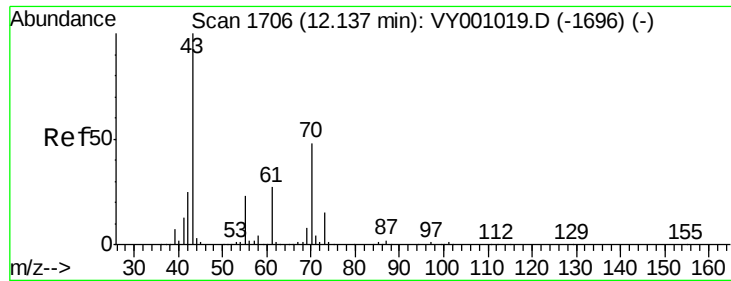
120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2949.617 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

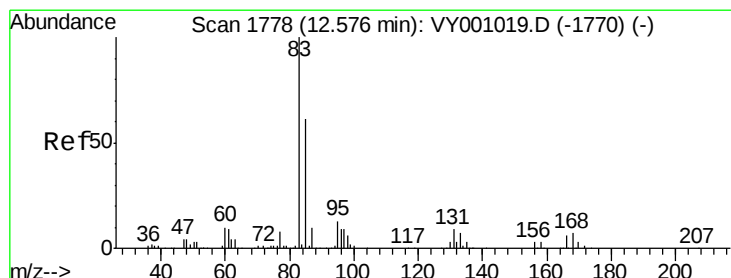
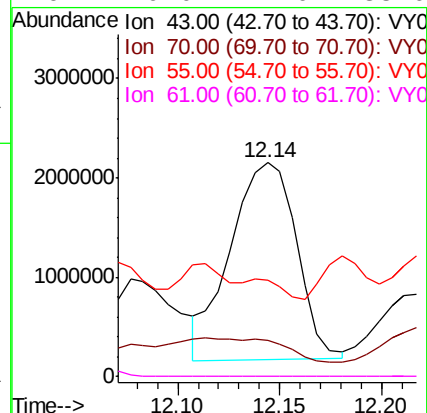
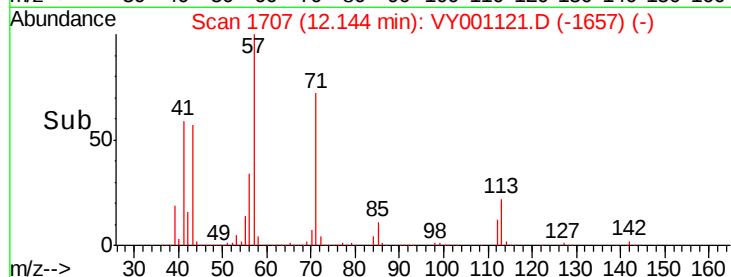
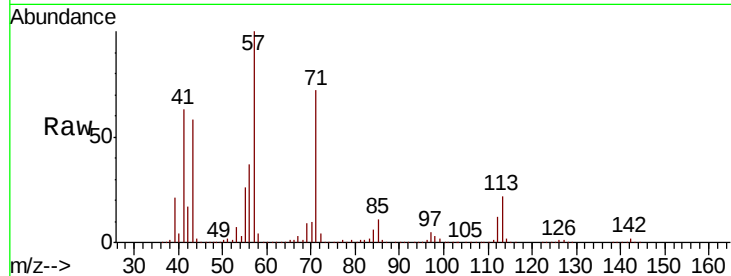
Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 43 Resp: 4471880

Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	19.5	29.3#
61	0.0	22.0	33.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 380.219 ug/l

RT: 12.55 min Scan# 1774

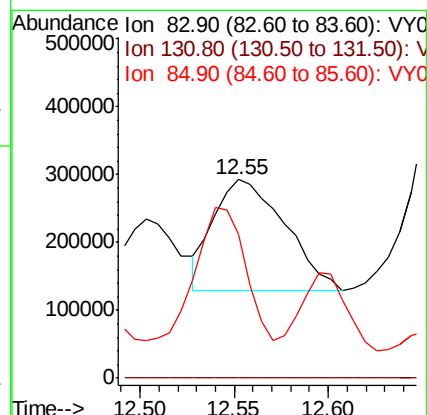
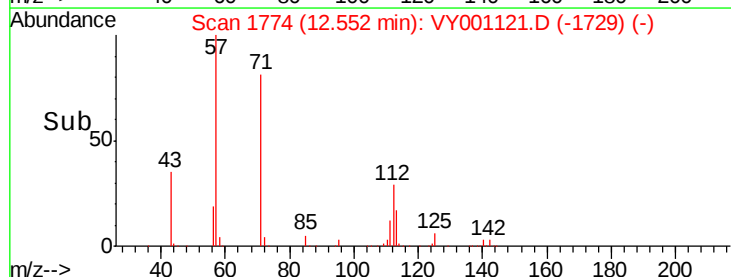
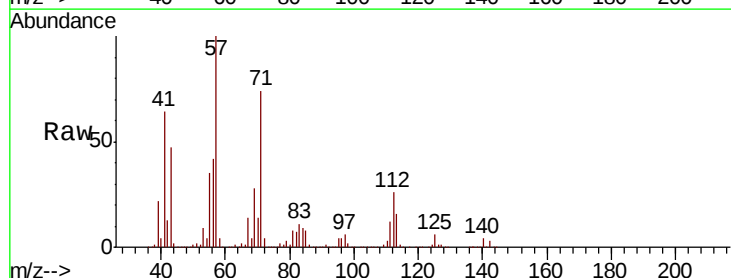
Delta R.T. -0.02 min

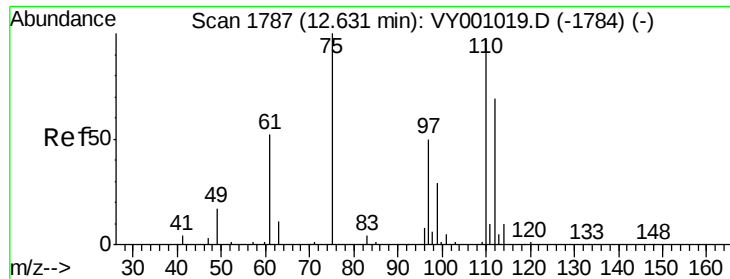
Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Tgt Ion: 83 Resp: 432263

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.3#
85	81.6	32.1	96.5





#76

1,2,3-Trichloropropane

Concen: 71.996 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.06 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

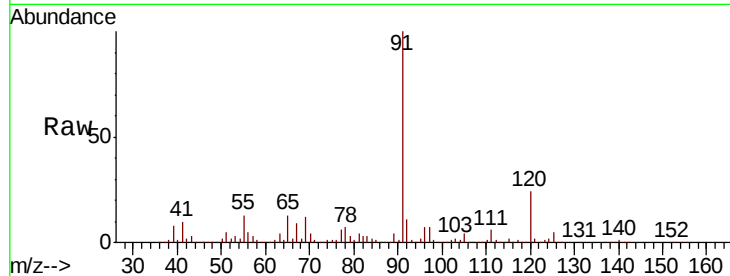
ClientSampled :

Tot Ion: 75 Resp: 66190

Ion Ratio Lower Upper

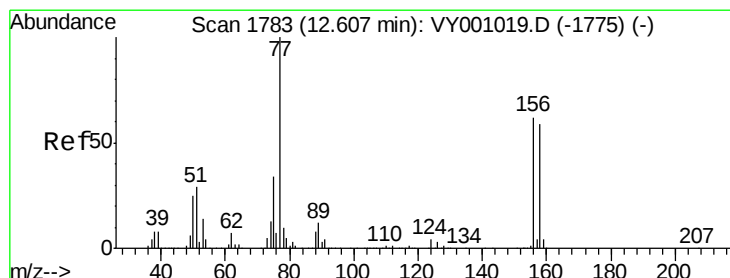
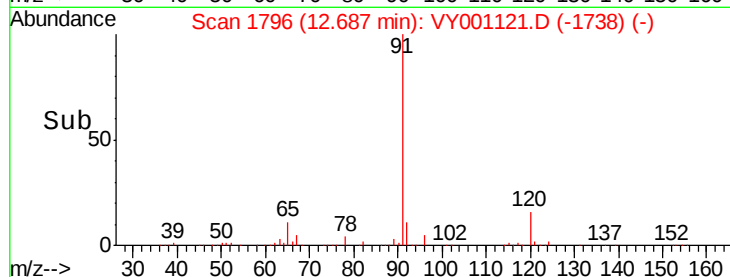
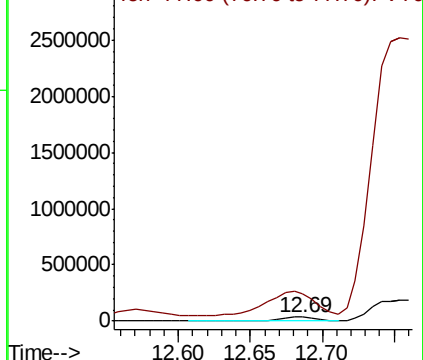
75 100

77 825.2 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: 5.752 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

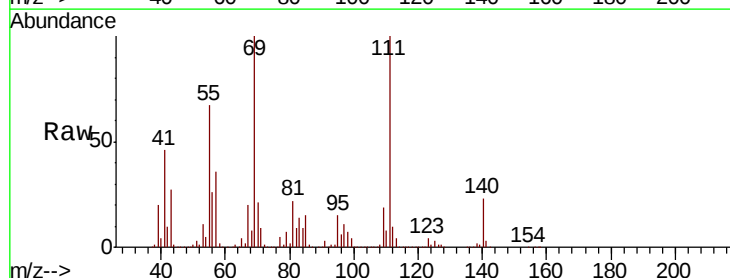
Tgt Ion: 156 Resp: 7465

Ion Ratio Lower Upper

156 100

77 0.0 98.0 294.1#

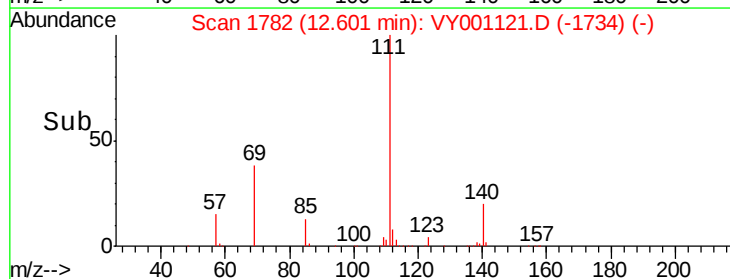
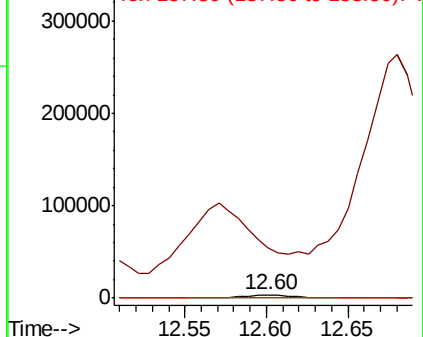
158 5.9 48.5 145.6#

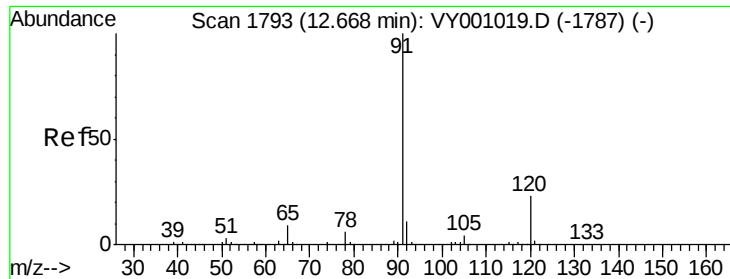


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1201.202 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

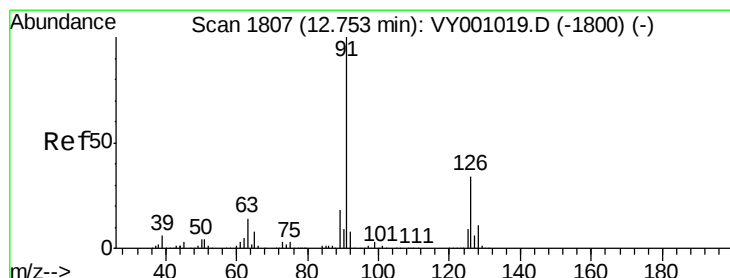
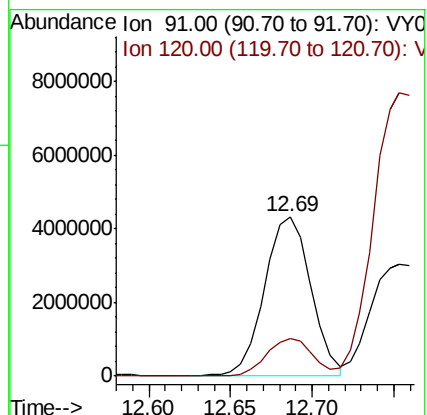
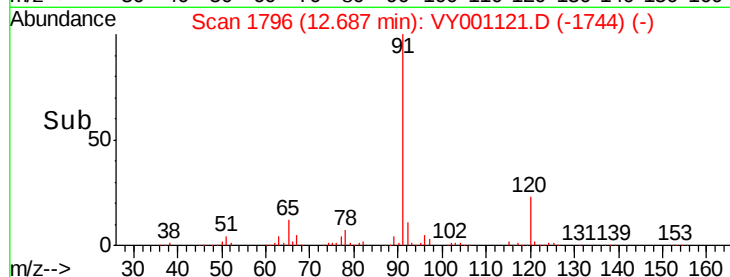
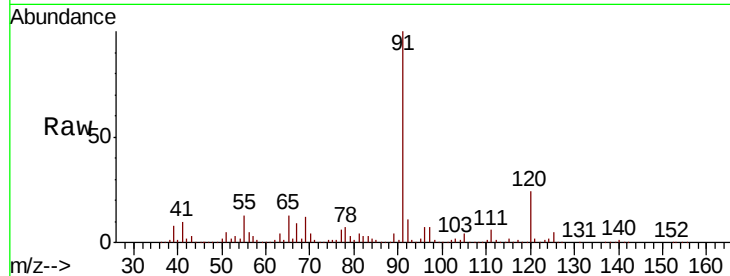
ClientSampled :

Tot Ion: 91 Resp: 8446747

Ion Ratio Lower Upper

91 100

120 23.9 11.4 34.2



#79

2-Chlorotoluene

Concen: 2591.023 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001121.D

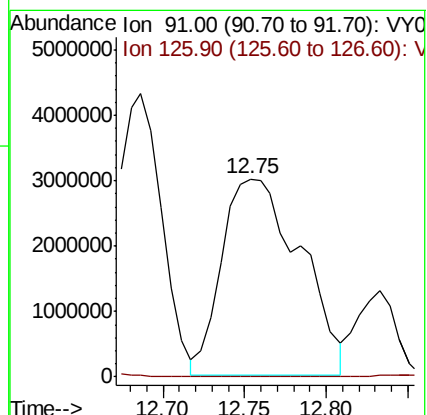
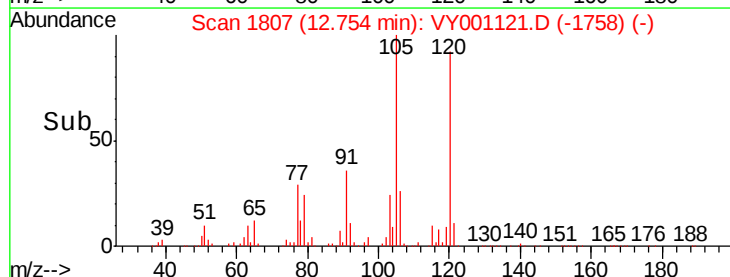
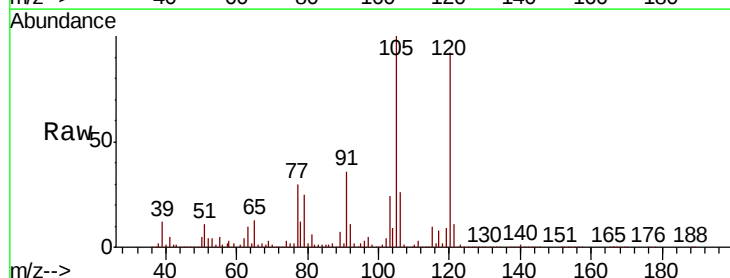
Acq: 30 Dec 2019 13:33

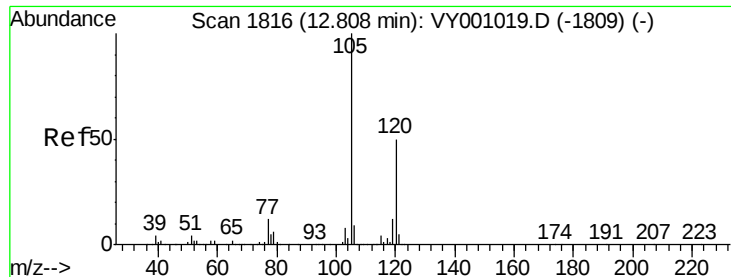
Tgt Ion: 91 Resp: 10061846

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#

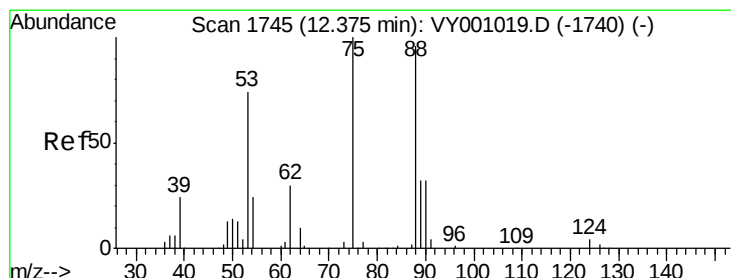
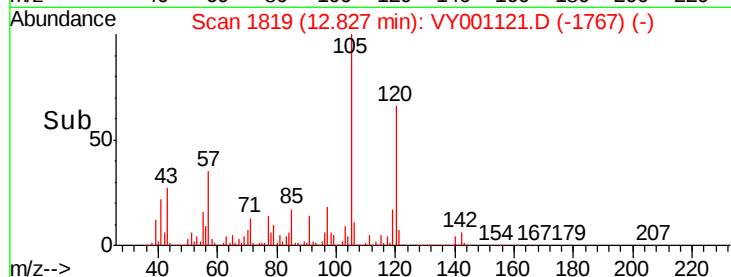
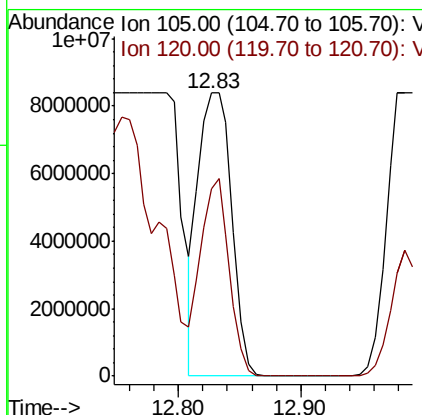
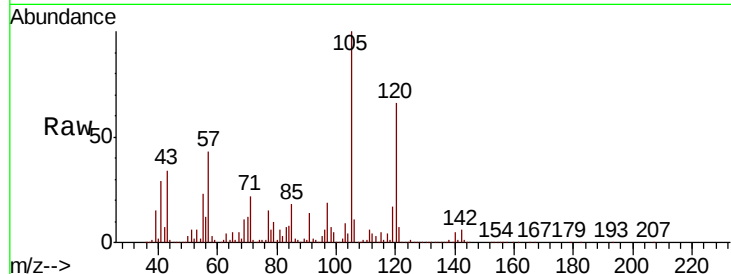




#80
 1,3,5-Trimethylbenzene
 Concen: 3372.807 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.02 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

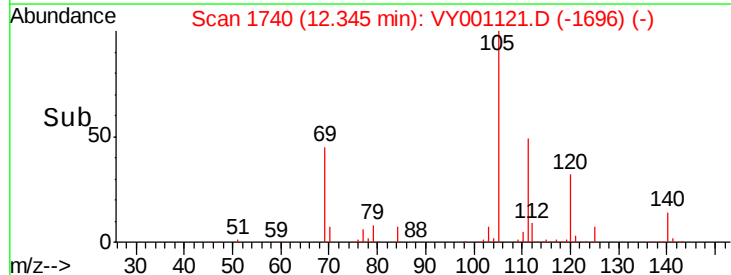
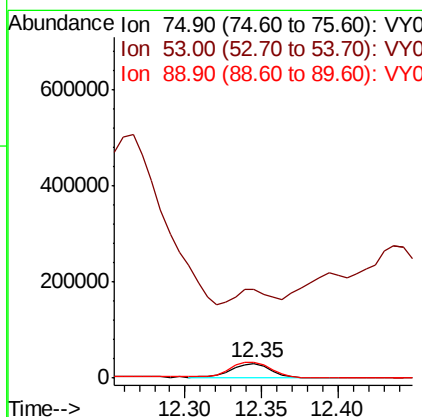
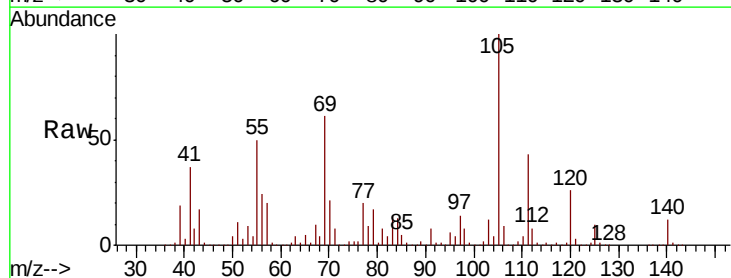
Instrument :
 MSVOA_Y
 ClientSampleId :

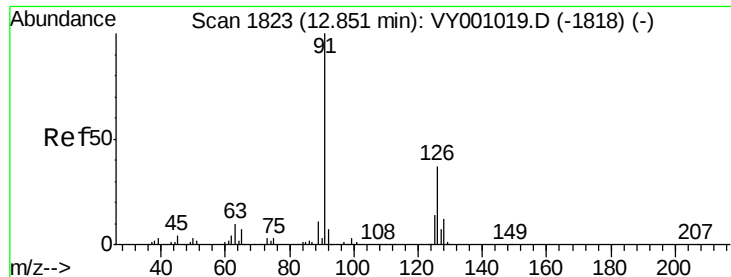
Tot Ion:105 Resp:15954780
 Ion Ratio Lower Upper
 105 100
 120 59.4 25.1 75.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.935 ug/l
 RT: 12.35 min Scan# 1740
 Delta R.T. -0.03 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

Tgt Ion: 75 Resp: 53424
 Ion Ratio Lower Upper
 75 100
 53 233.4 60.6 91.0#
 89 113.1 35.4 53.0#

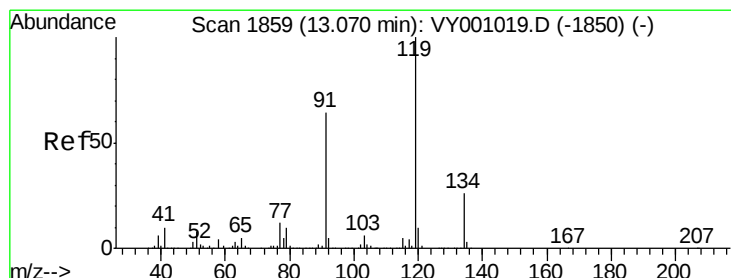
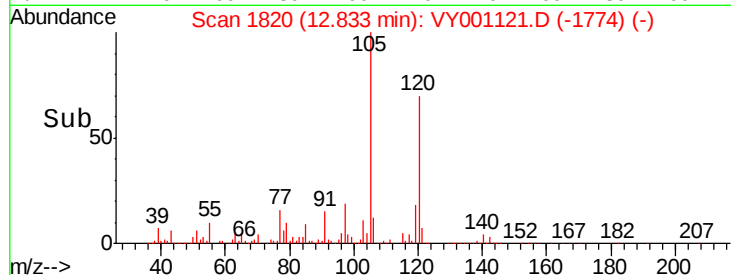
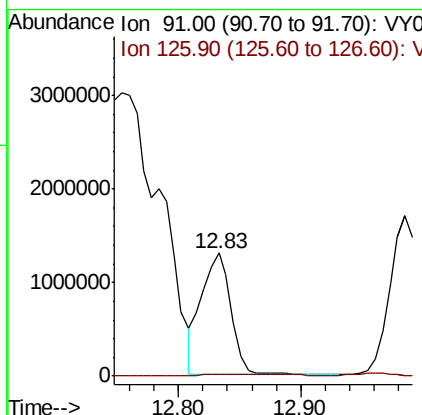
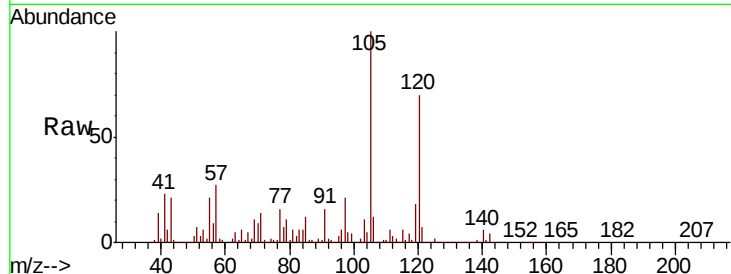




#82
 4-Chlorotoluene
 Concen: 540.991 ug/l
 RT: 12.83 min Scan# 1820
 Delta R.T. -0.02 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

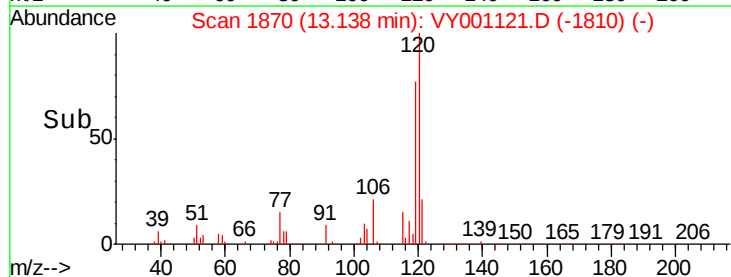
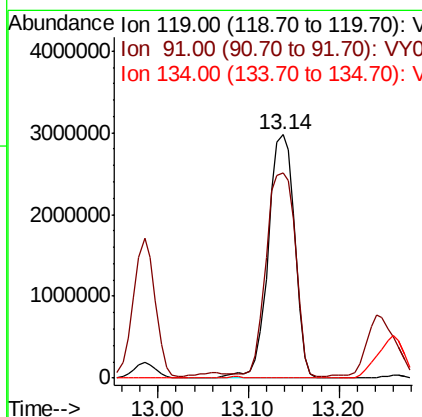
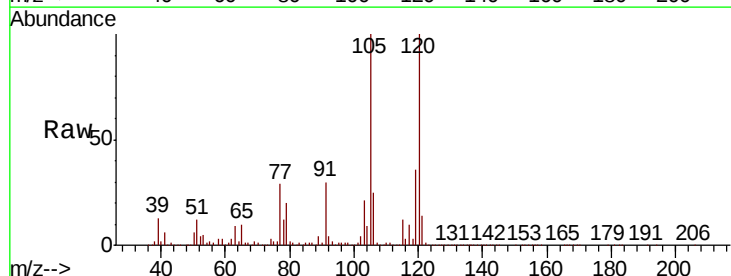
Instrument :
 MSVOA_Y
 ClientSampleId :

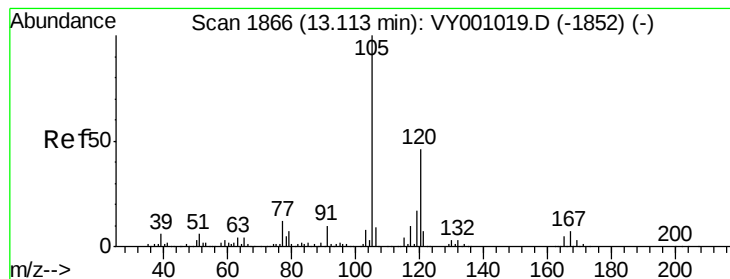
Tot Ion: 91 Resp: 2182102
 Ion Ratio Lower Upper
 91 100
 126 2.3 17.6 52.8#



#83
 tert-Butylbenzene
 Concen: 1516.539 ug/l
 RT: 13.14 min Scan# 1870
 Delta R.T. 0.07 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

Tgt Ion: 119 Resp: 6021970
 Ion Ratio Lower Upper
 119 100
 91 91.9 31.9 95.7
 134 0.0 13.6 40.7#





#84

1,2,4-Trimethylbenzene

Concen: 3586.400 ug/l

RT: 12.98 min Scan# 1844

Delta R.T. -0.13 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

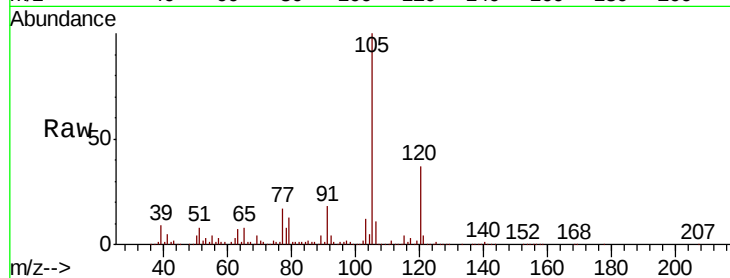
ClientSampleId :

Tot Ion:105 Resp:17048052

Ion Ratio Lower Upper

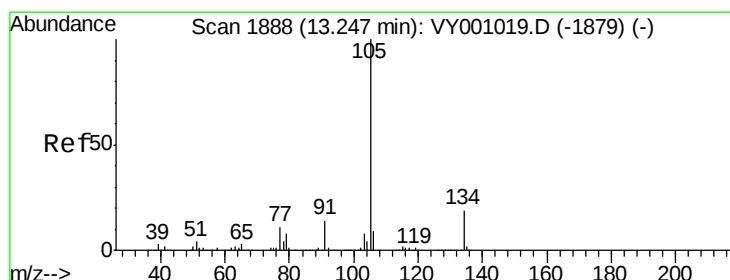
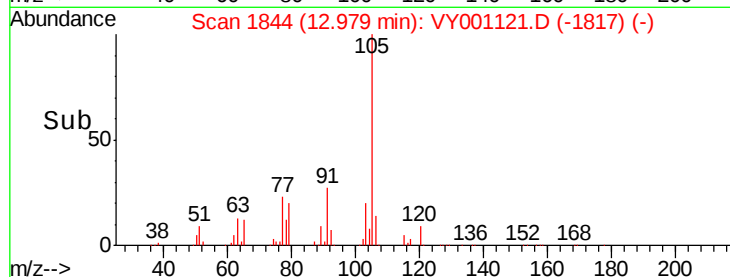
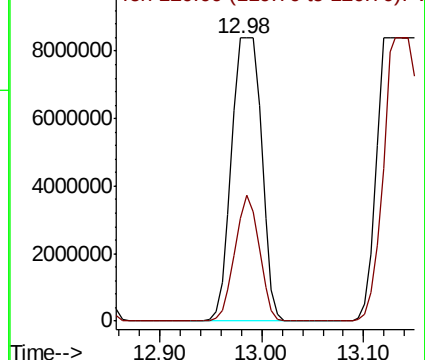
105 100

120 36.2 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 576.140 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY001121.D

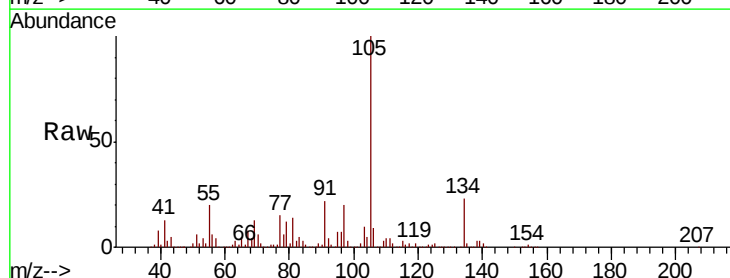
Acq: 30 Dec 2019 13:33

Tgt Ion:105 Resp: 3372710

Ion Ratio Lower Upper

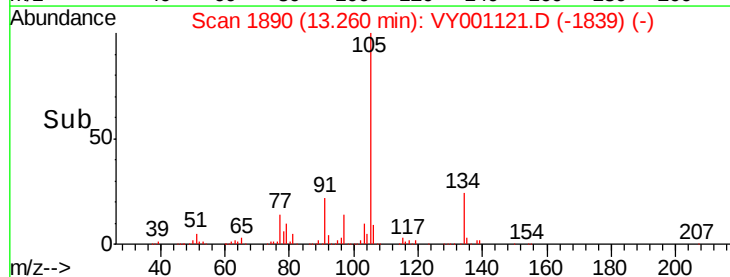
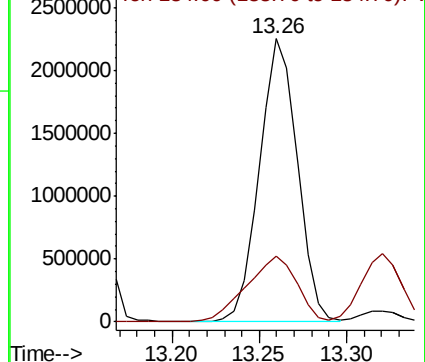
105 100

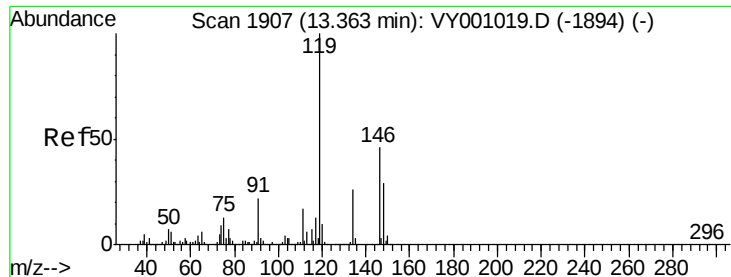
134 31.1 10.0 30.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

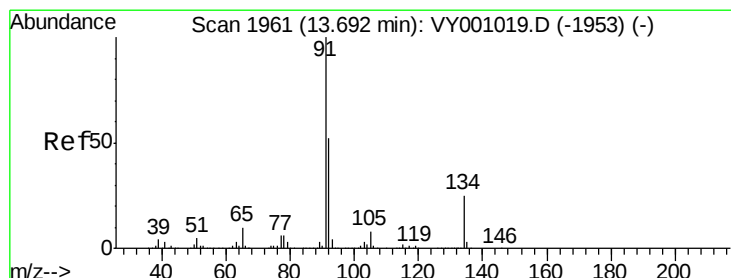
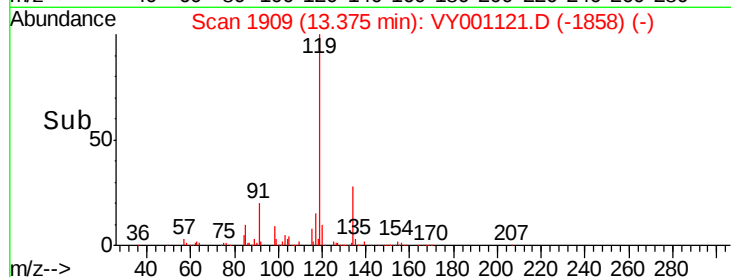
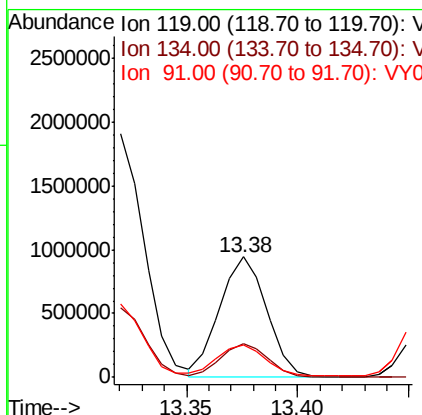
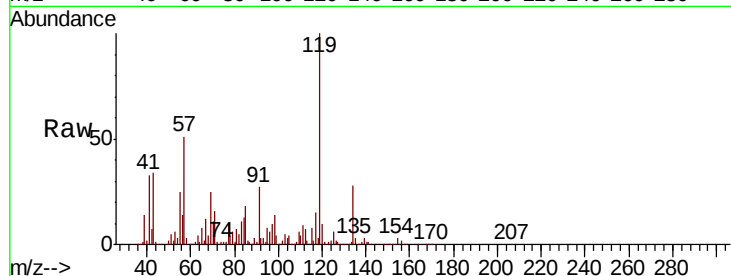




#86
 p-Isopropyltoluene
 Concen: 274.073 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

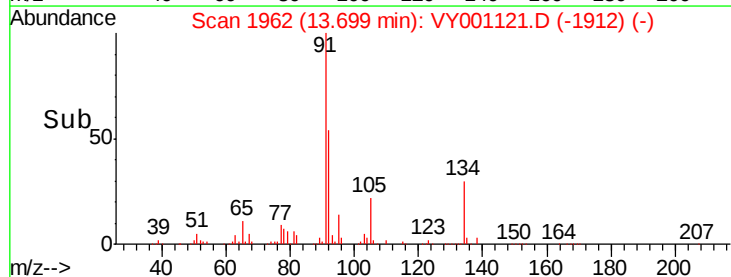
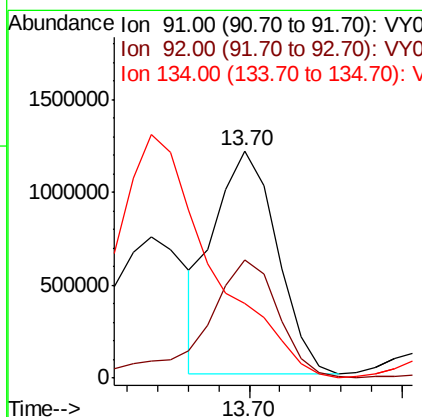
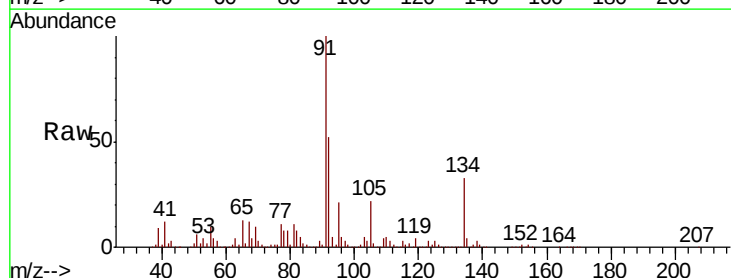
Instrument :
 MSVOA_Y
 ClientSampled :

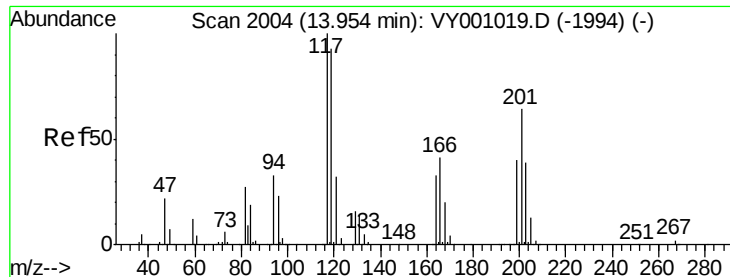
Tot Ion:119 Resp: 1388284
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.6 40.7
 91 25.9 11.4 34.1



#89
 n-Butylbenzene
 Concen: 337.598 ug/l
 RT: 13.70 min Scan# 1962
 Delta R.T. 0.01 min
 Lab File: VY001121.D
 Acq: 30 Dec 2019 13:33

Tgt Ion: 91 Resp: 1720506
 Ion Ratio Lower Upper
 91 100
 92 59.2 26.9 80.7
 134 0.0 12.7 38.0#





#90

Hexachloroethane

Concen: 291.819 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

Instrument :

MSVOA_Y

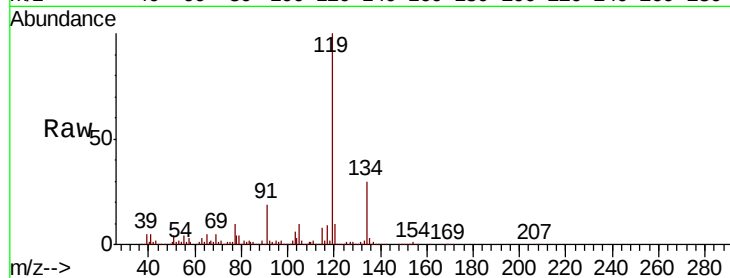
ClientSampleId :

Tot Ion:117 Resp: 278493

Ion Ratio Lower Upper

117 100

201 0.0 33.7 101.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

800000

600000

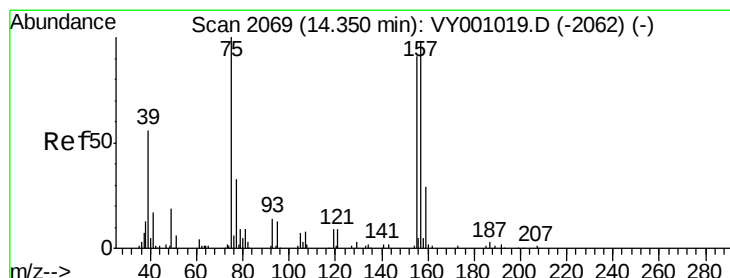
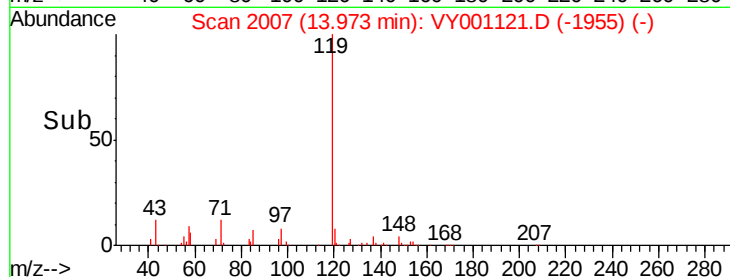
400000

200000

0

13.95 14.00

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 37.391 ug/l

RT: 14.33 min Scan# 2066

Delta R.T. -0.02 min

Lab File: VY001121.D

Acq: 30 Dec 2019 13:33

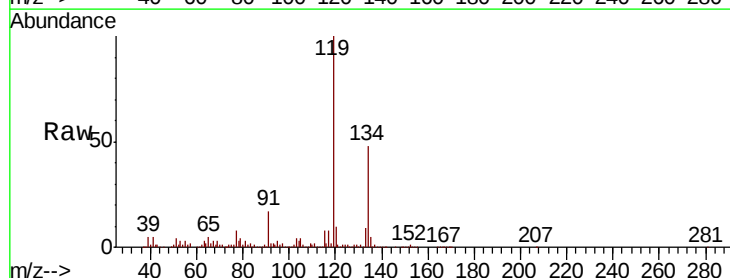
Tgt Ion: 75 Resp: 7112

Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.9#

157 0.0 58.1 174.4#



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

8000

6000

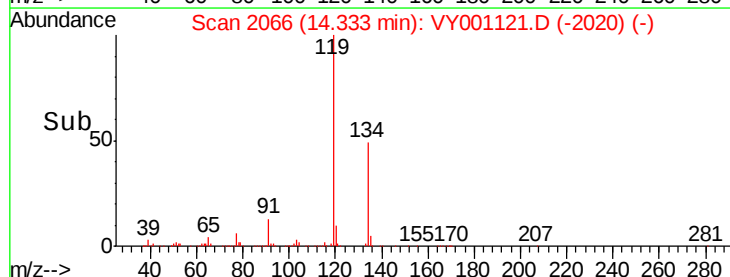
4000

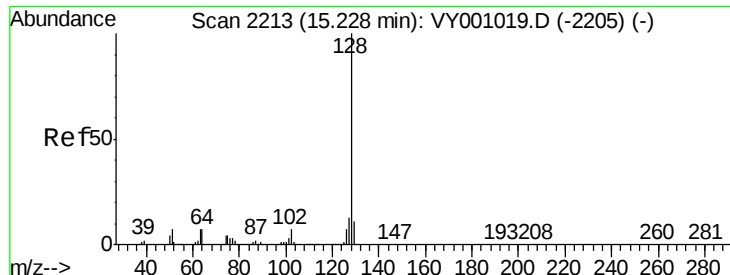
2000

0

14.30 14.35

Time-->

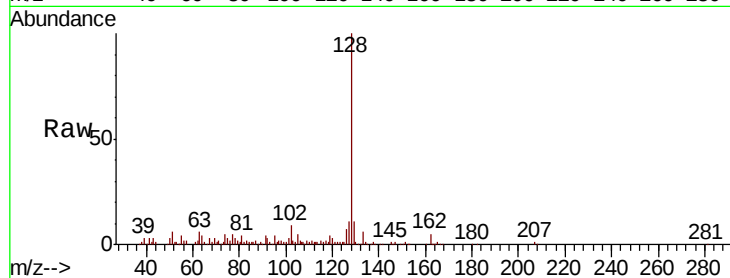




#95
Naphthalene
Concen: 34.411 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001121.D
Acq: 30 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.4	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

