

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001878.D
 Acq On : 05 Mar 2020 13:51
 Operator : SY/MD
 Sample : L1778-18
 Misc : 8.84G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:37:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	140052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	271220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	238074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	93451	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	86350	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
35) Dibromofluoromethane	7.74	113	78438	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
50) Toluene-d8	10.19	98	327391	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.49	95	101676	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

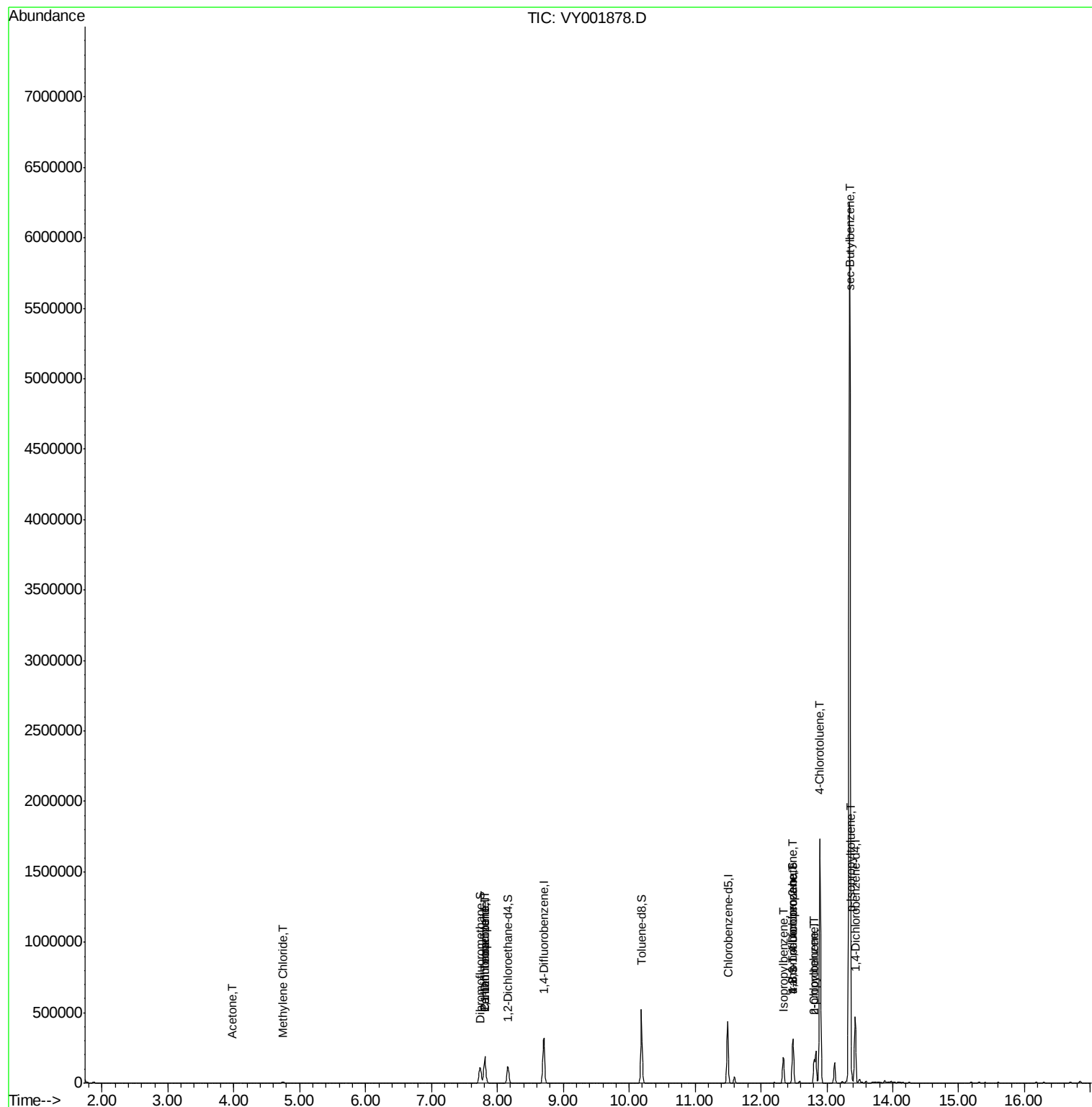
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	56	Below Cal	#	74
16) Acetone	3.98	43	930	2.136	ug/l #	80
20) Methylene Chloride	4.75	84	4118	2.206	ug/l	93
36) 1,1-Dichloropropene	7.81	75	12198	4.674	ug/l #	50
38) Carbon Tetrachloride	7.81	117	14192	6.365	ug/l #	16
73) Isopropylbenzene	12.34	105	7276	1.020	ug/l #	61
76) 1,2,3-Trichloropropane	12.49	75	50498	45.541	ug/l #	100
78) n-propylbenzene	12.81	91	41938	4.765	ug/l #	56
79) 2-Chlorotoluene	12.81	91	41938	8.625	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.49	75	50498	91.990	ug/l #	17
82) 4-Chlorotoluene	12.89	91	186150	36.769	ug/l #	42
85) sec-Butylbenzene	13.34	105	83945	11.675	ug/l #	57
86) p-Isopropyltoluene	13.37	119	35419	5.711	ug/l #	58

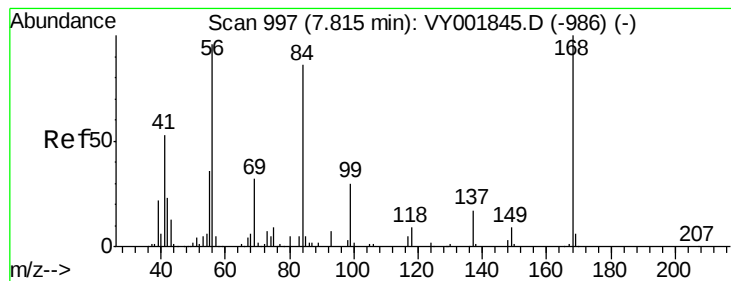
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

Instrument :

MSVOA_Y

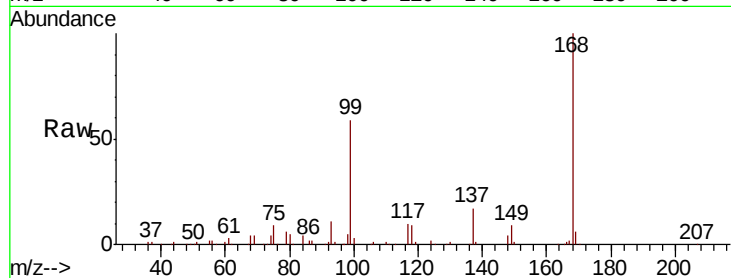
ClientSampled :

Tot Ion:168 Resp: 140052

Ion Ratio Lower Upper

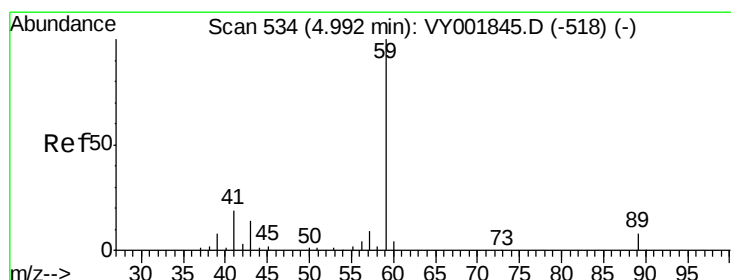
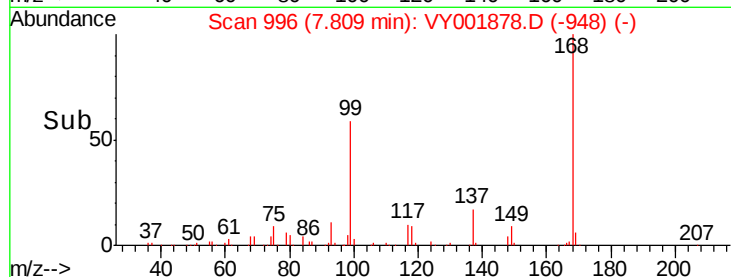
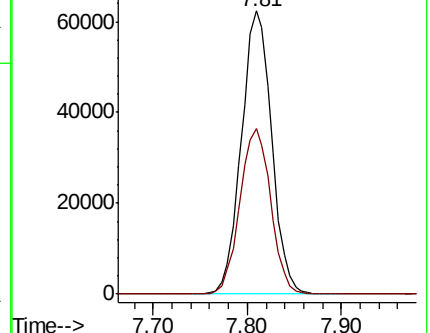
168 100

99 58.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY001878.D

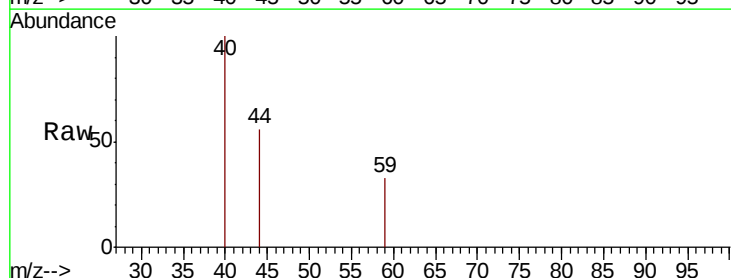
Acq: 05 Mar 2020 13:51

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

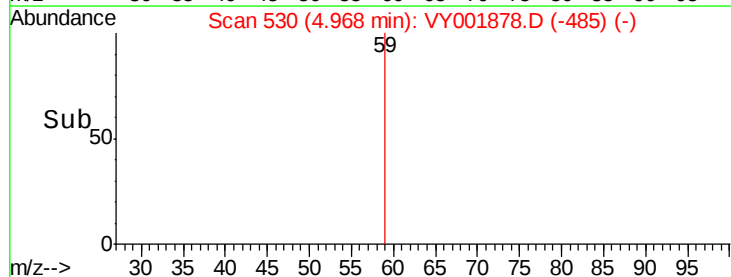
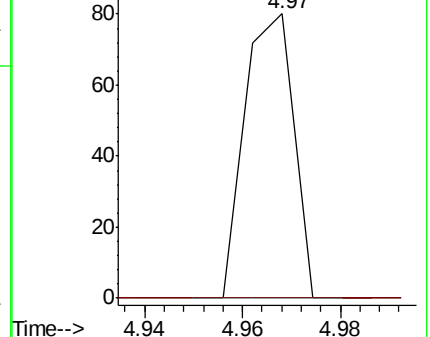
59 100

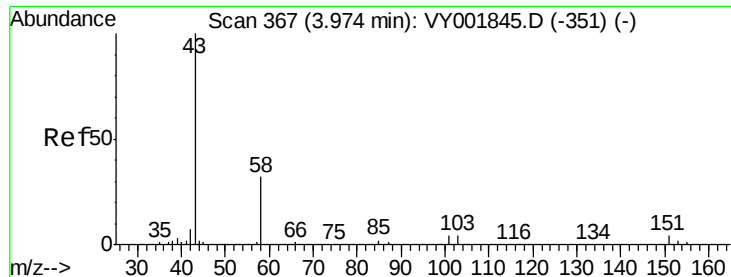
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 2.136 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

Instrument :

MSVOA_Y

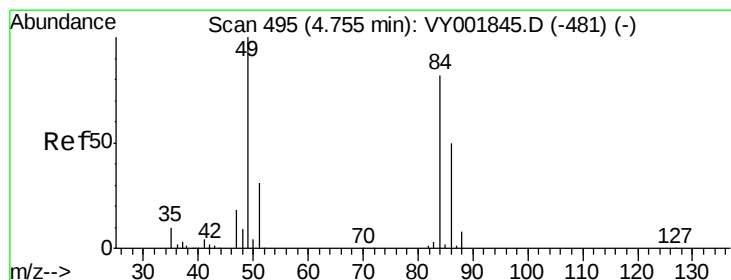
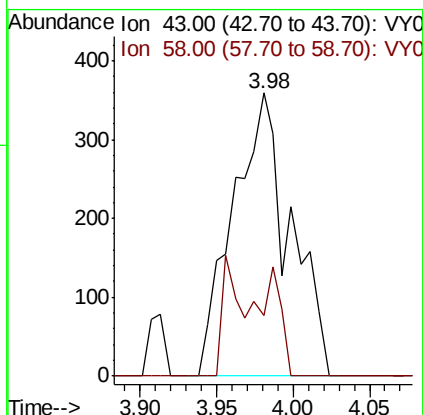
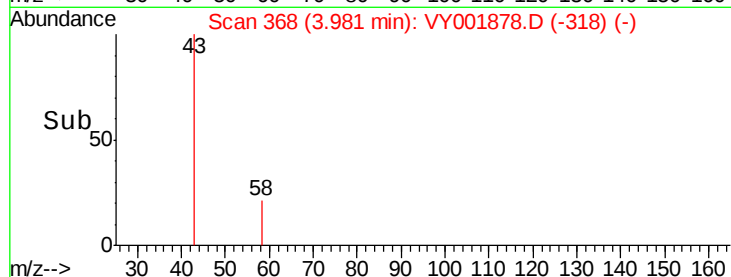
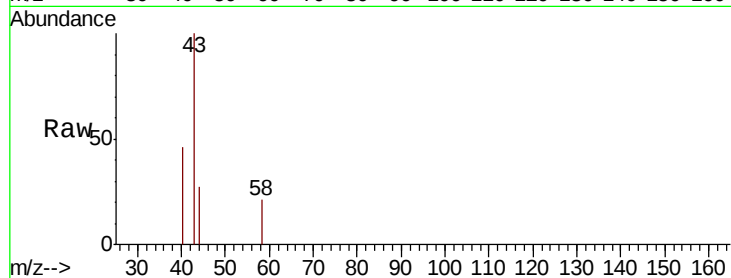
ClientSampleId :

Tot Ion: 43 Resp: 930

Ion Ratio Lower Upper

43 100

58 21.4 25.9 38.9#



#20

Methylene Chloride

Concen: 2.206 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

Tgt Ion: 84 Resp: 4118

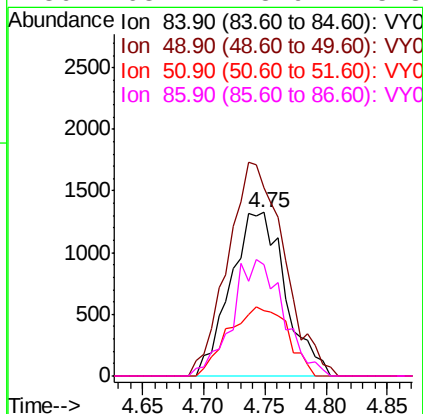
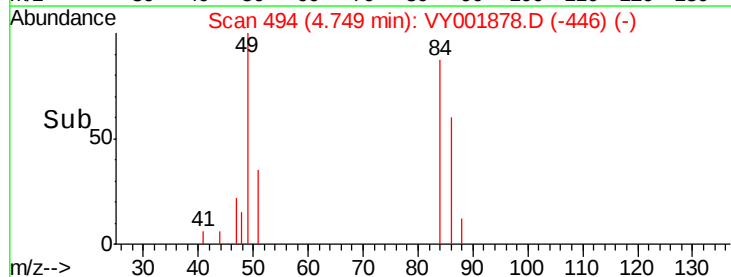
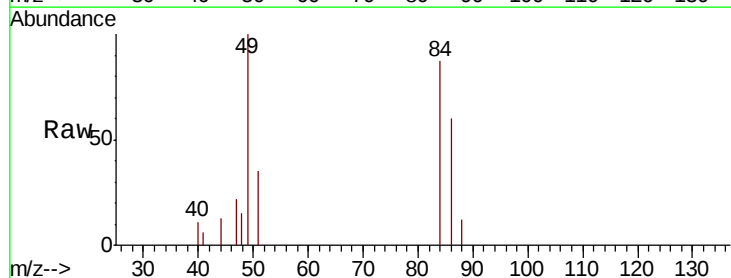
Ion Ratio Lower Upper

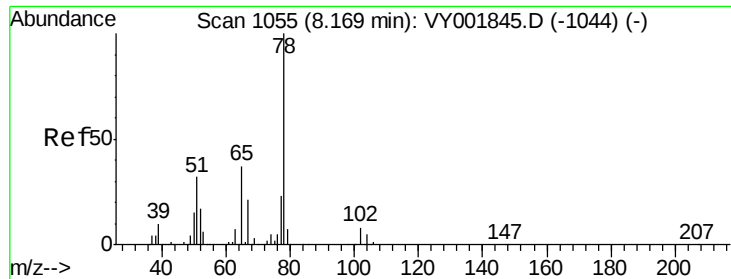
84 100

49 114.6 98.2 147.2

51 39.6 30.2 45.2

86 68.4 48.9 73.3

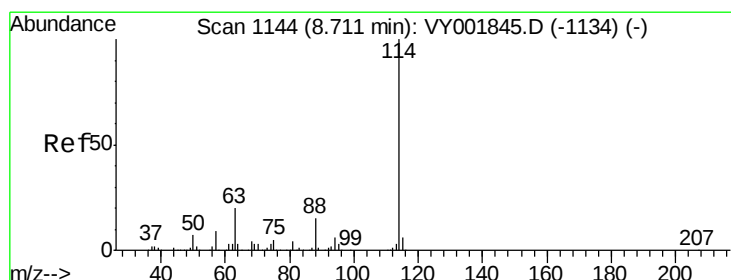
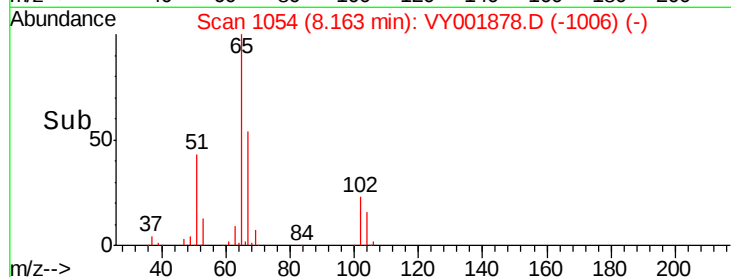
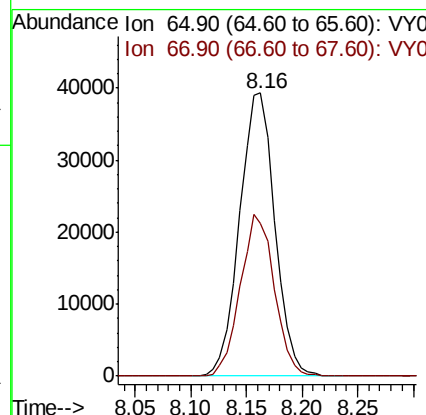
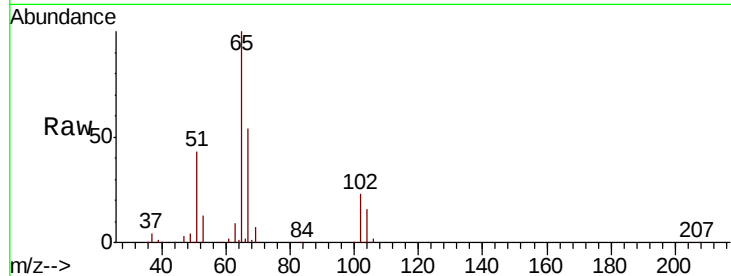




#33
 1,2-Dichloroethane-d4
 Concen: 57.753 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001878.D
 Acq: 05 Mar 2020 13:51

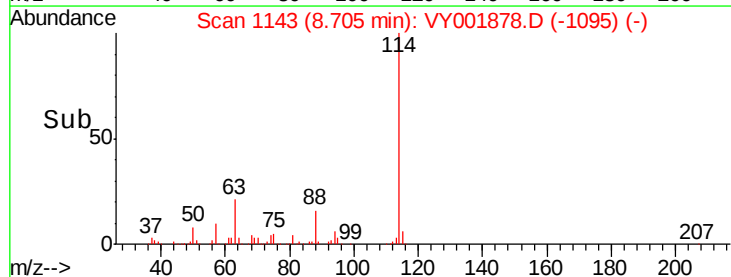
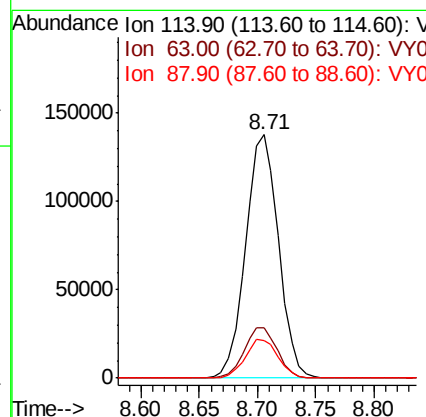
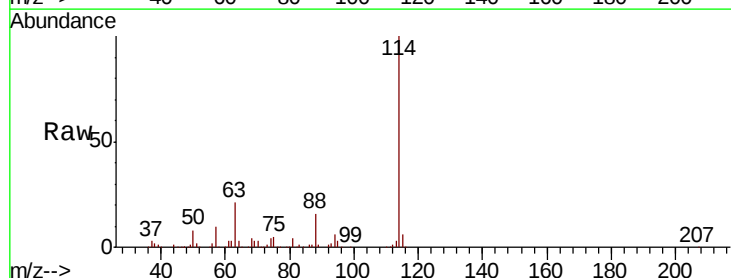
Instrument :
 MSVOA_Y
 ClientSampleId :

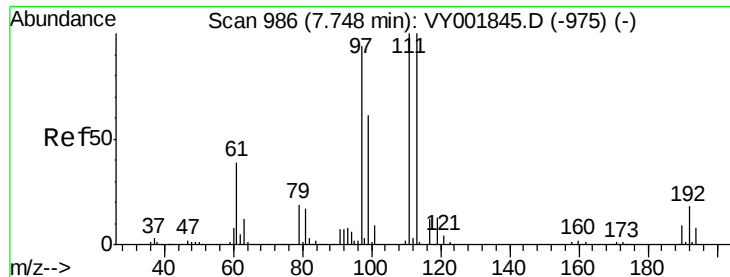
Tot Ion: 65 Resp: 86350
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001878.D
 Acq: 05 Mar 2020 13:51

Tgt Ion: 114 Resp: 271220
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.963 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

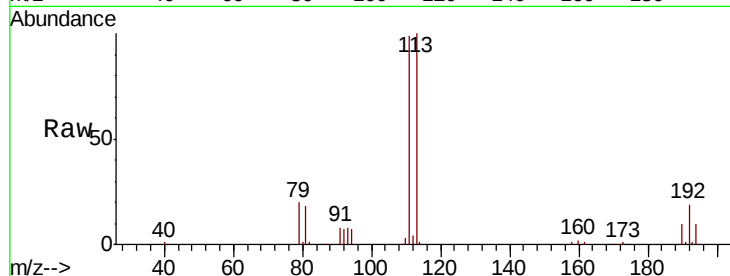
Tot Ion:113 Resp: 78438

Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.8

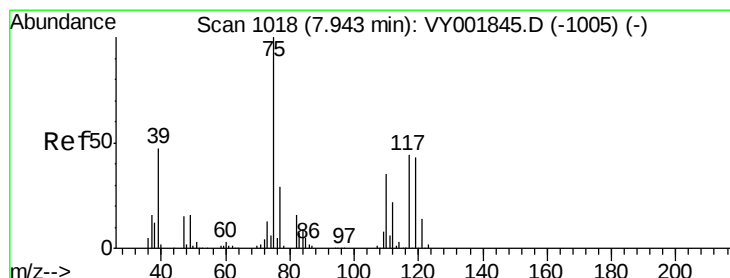
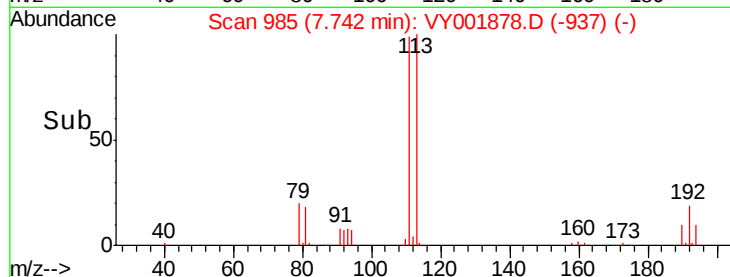
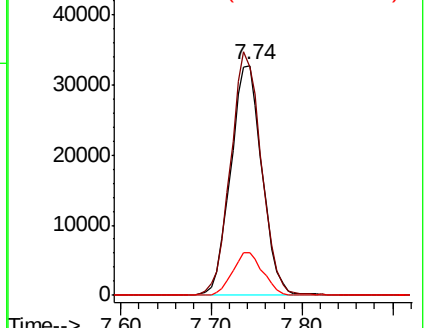
192 18.0 14.2 21.2



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: 4.674 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

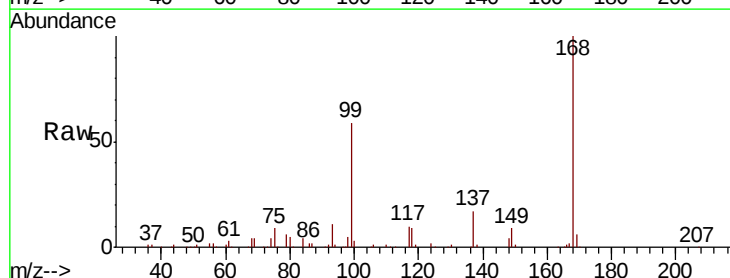
Tgt Ion: 75 Resp: 12198

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.2#

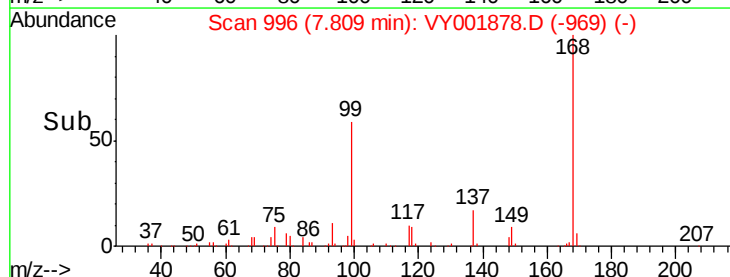
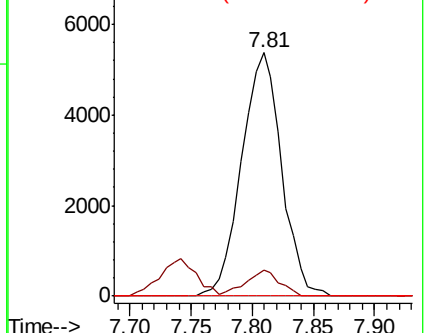
77 0.0 24.2 36.2#

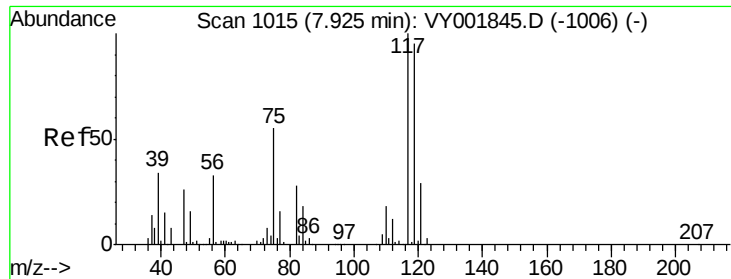


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

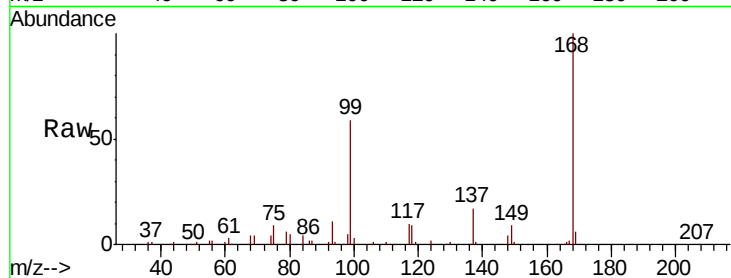




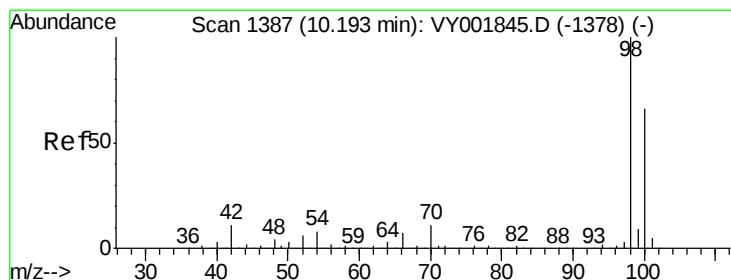
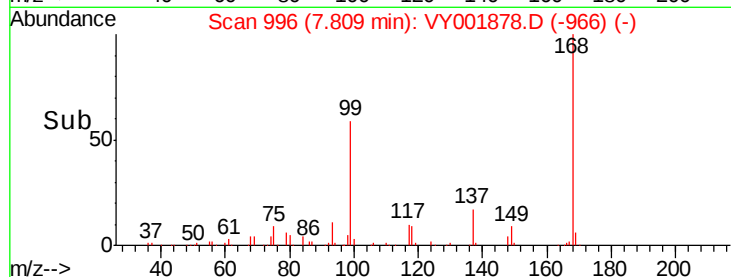
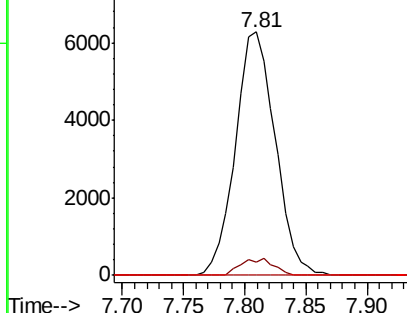
#38
Carbon Tetrachloride
Concen: 6.365 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001878.D
Acq: 05 Mar 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 14192
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 23.5 35.3#

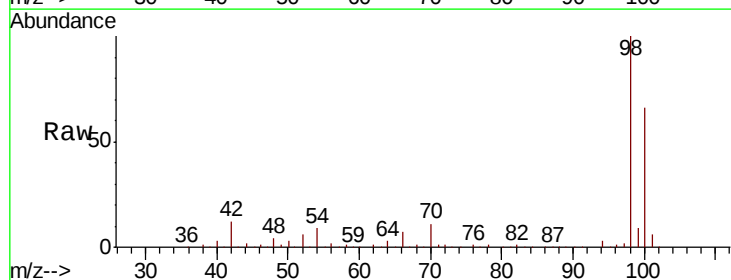


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

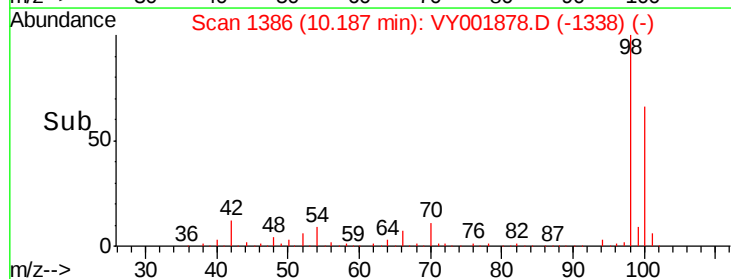
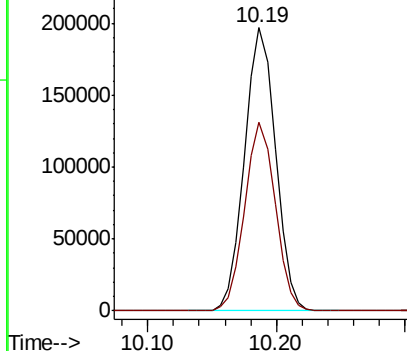


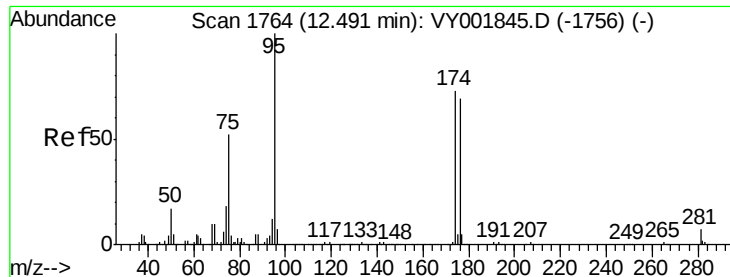
#50
Toluene-d8
Concen: 52.424 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001878.D
Acq: 05 Mar 2020 13:51

Tgt Ion: 98 Resp: 327391
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



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

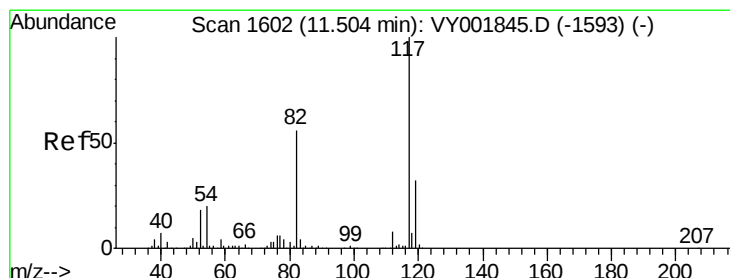
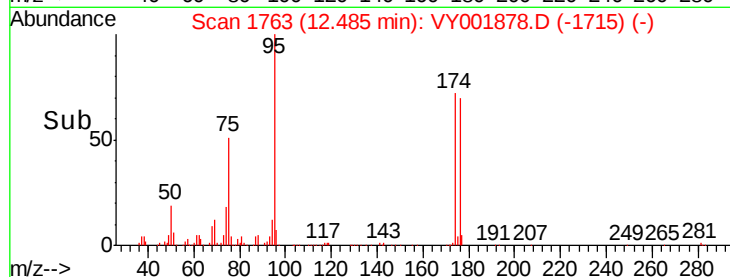
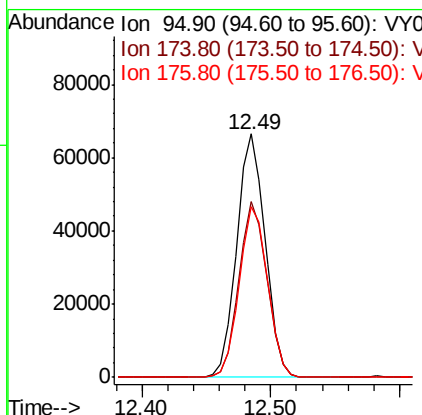
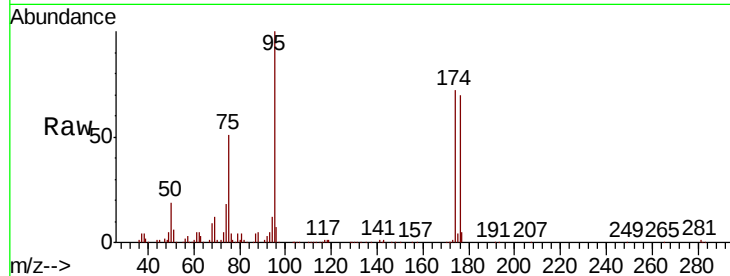




#62
4-Bromofluorobenzene
Concen: 46.823 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001878.D
Acq: 05 Mar 2020 13:51

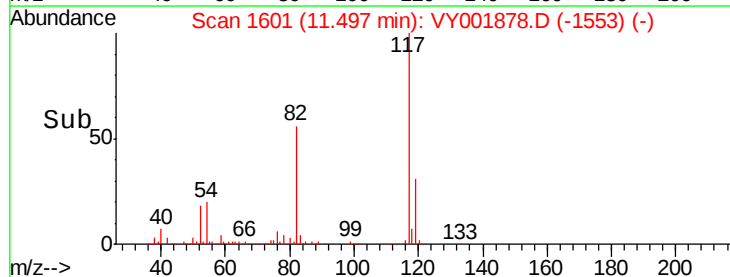
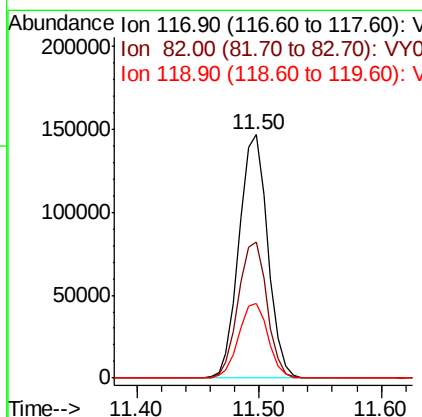
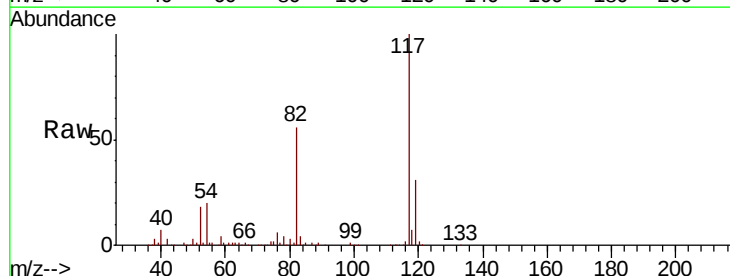
Instrument :
MSVOA_Y
ClientSampled :

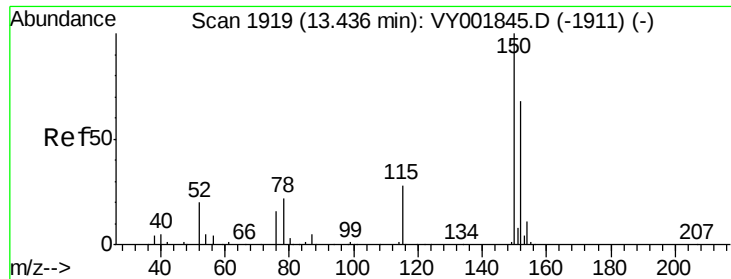
Tot Ion	95	Resp	101676
Ion Ratio	Lower	Upper	
95	100		
174	71.2	0.0	145.0
176	69.6	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001878.D
Acq: 05 Mar 2020 13:51

Tgt Ion	117	Resp	238074
Ion Ratio	Lower	Upper	
117	100		
82	56.0	44.5	66.7
119	30.7	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

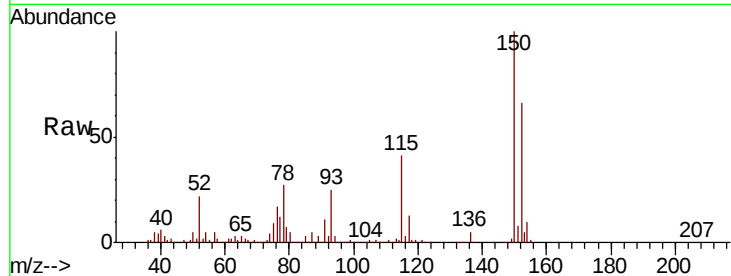
Tot Ion:152 Resp: 93451

Ion Ratio Lower Upper

152 100

115 61.8 29.9 89.7

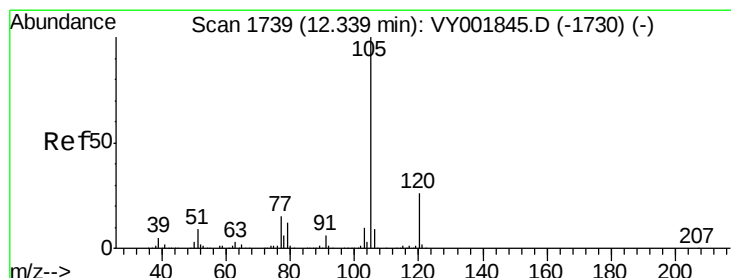
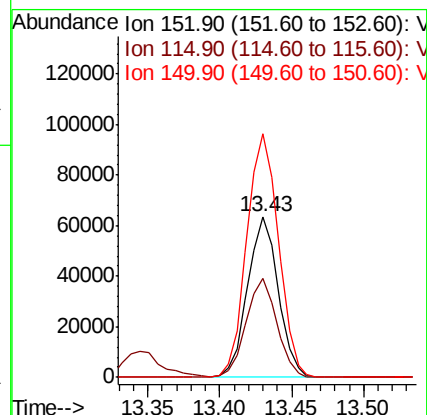
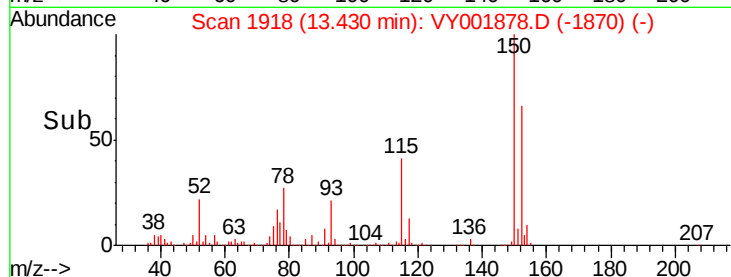
150 157.0 0.0 340.6



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: 1.020 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001878.D

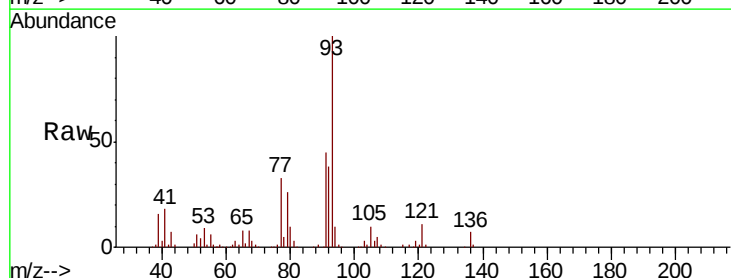
Acq: 05 Mar 2020 13:51

Tgt Ion:105 Resp: 7276

Ion Ratio Lower Upper

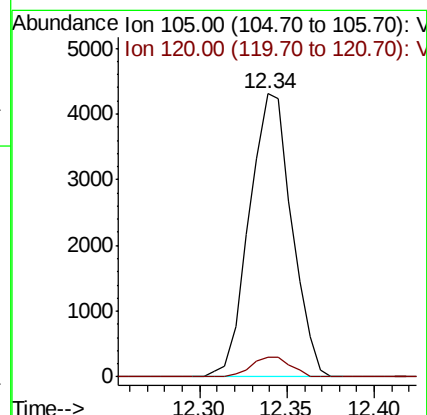
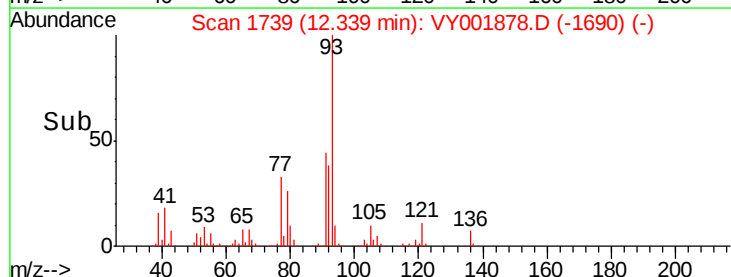
105 100

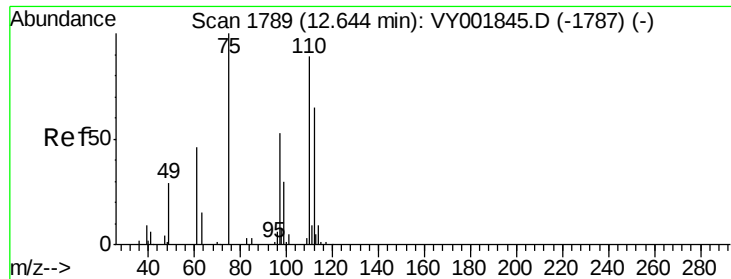
120 6.4 13.1 39.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

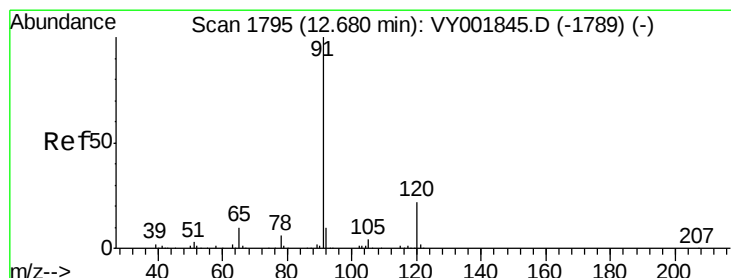
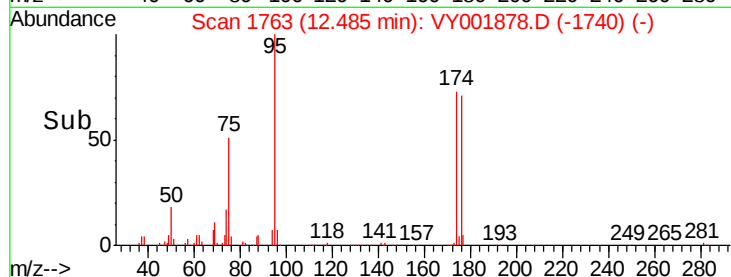
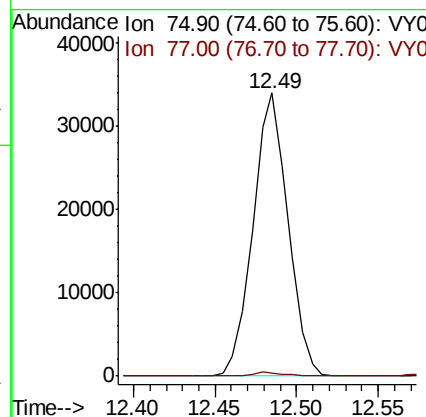
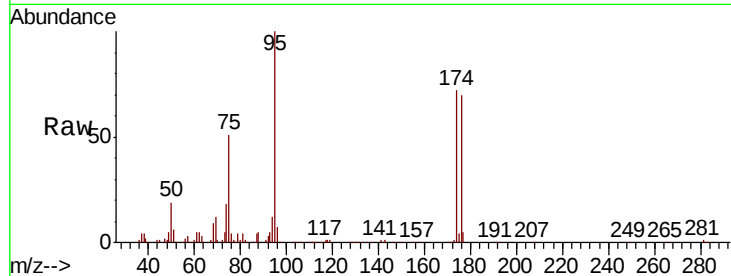




#76
 1,2,3-Trichloropropane
 Concen: 45.541 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001878.D
 Acq: 05 Mar 2020 13:51

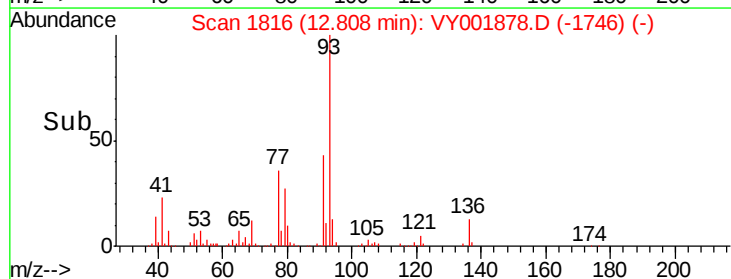
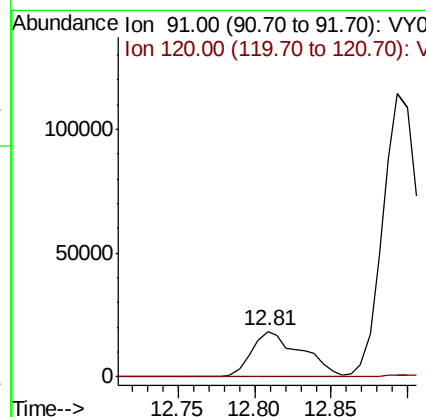
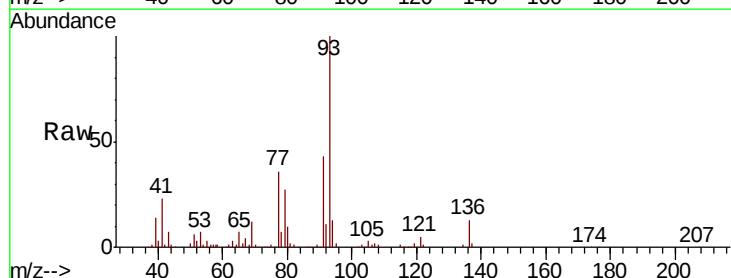
Instrument :
 MSVOA_Y
 ClientSampleId :

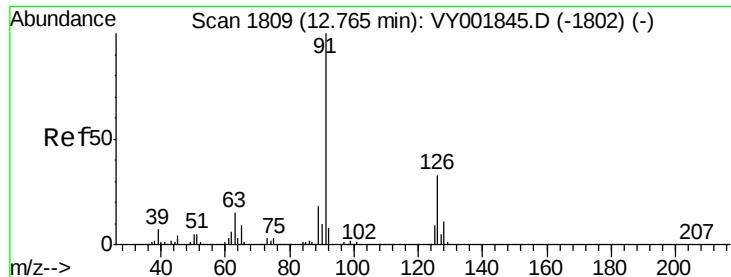
Tot Ion: 75 Resp: 50498
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#78
 n-propylbenzene
 Concen: 4.765 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.13 min
 Lab File: VY001878.D
 Acq: 05 Mar 2020 13:51

Tgt Ion: 91 Resp: 41938
 Ion Ratio Lower Upper
 91 100
 120 1.2 11.0 33.0#





#79

2-Chlorotoluene

Concen: 8.625 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.04 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

Instrument :

MSVOA_Y

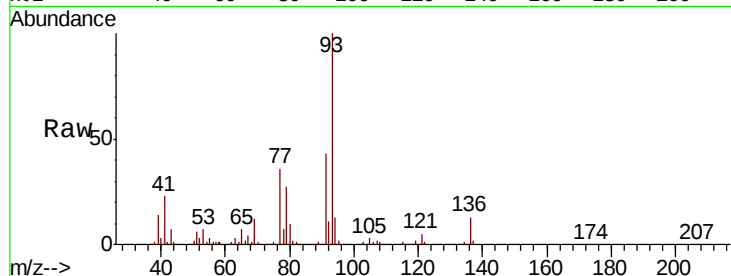
ClientSampleId :

Tot Ion: 91 Resp: 41938

Ion Ratio Lower Upper

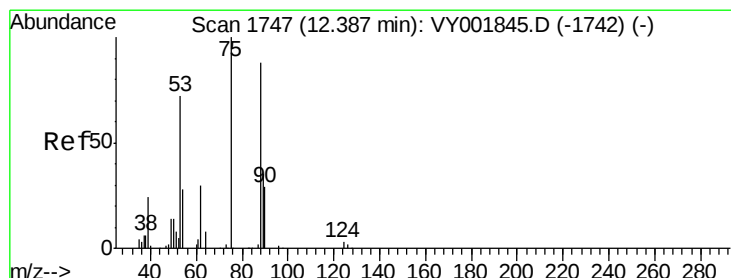
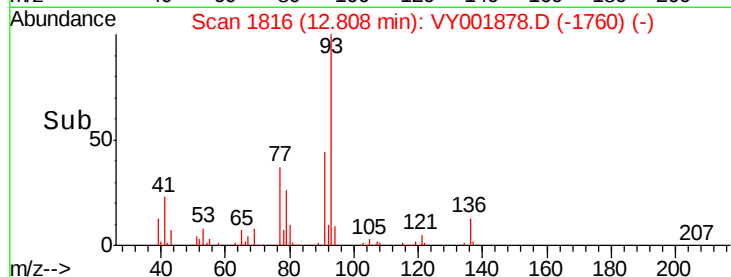
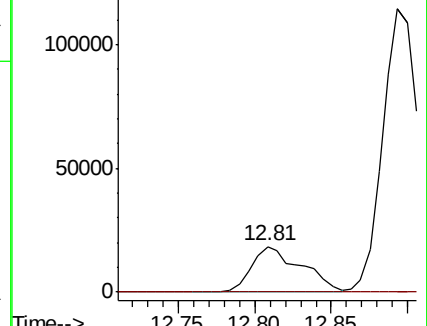
91 100

126 0.0 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 91.990 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001878.D

Acq: 05 Mar 2020 13:51

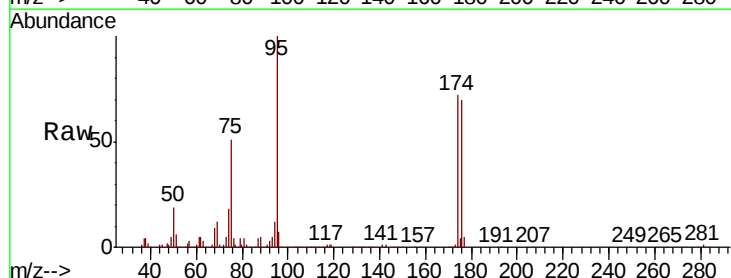
Tgt Ion: 75 Resp: 50498

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

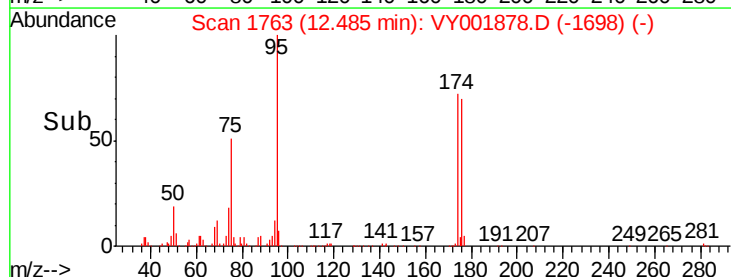
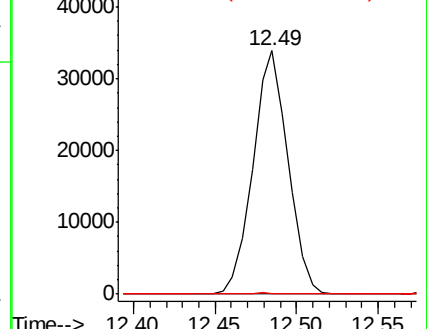
89 0.2 36.0 54.0#

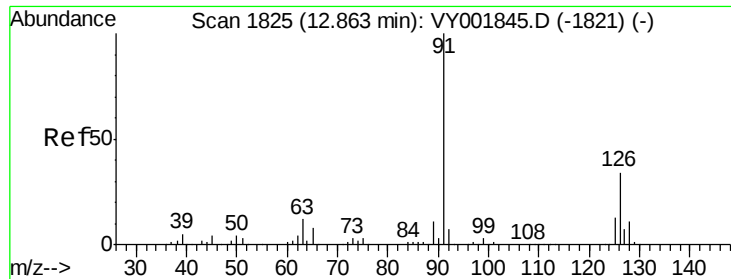


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

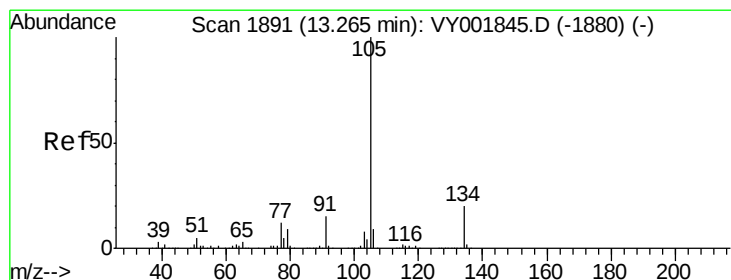
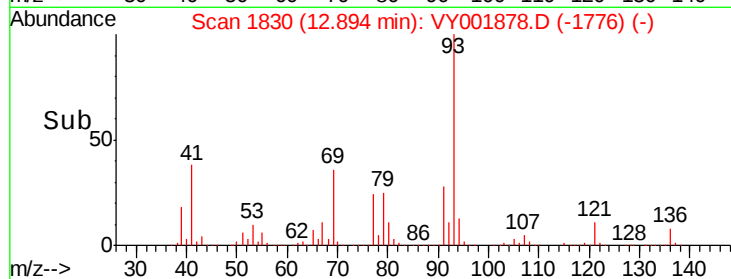
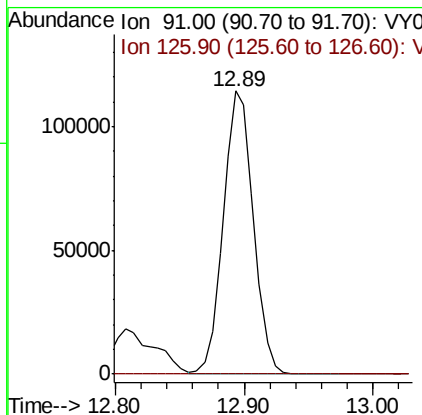
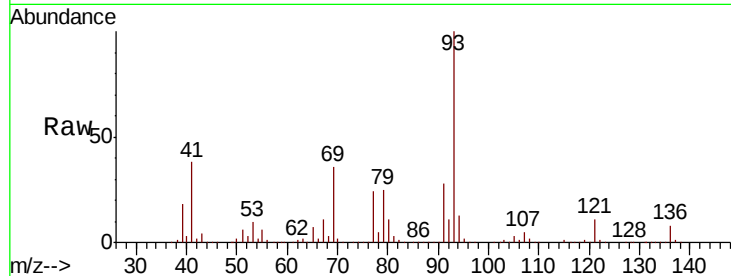




#82
4-Chlorotoluene
Concen: 36.769 ug/l
RT: 12.89 min Scan# 1830
Delta R.T. 0.03 min
Lab File: VY001878.D
Acq: 05 Mar 2020 13:51

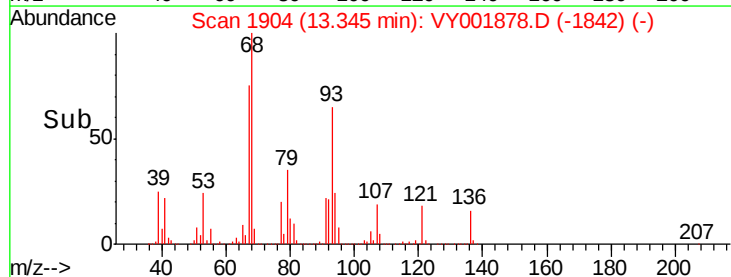
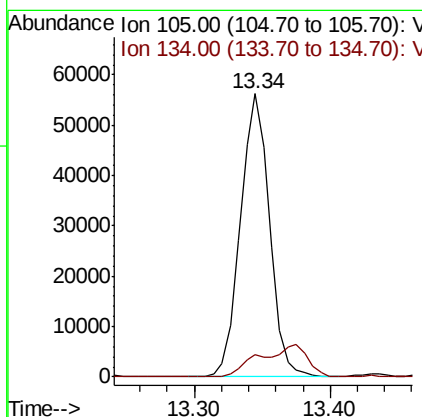
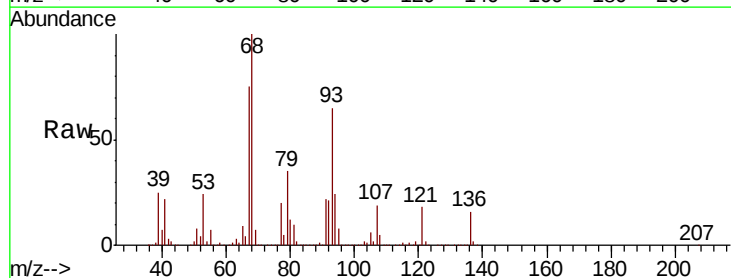
Instrument :
MSVOA_Y
ClientSampleId :

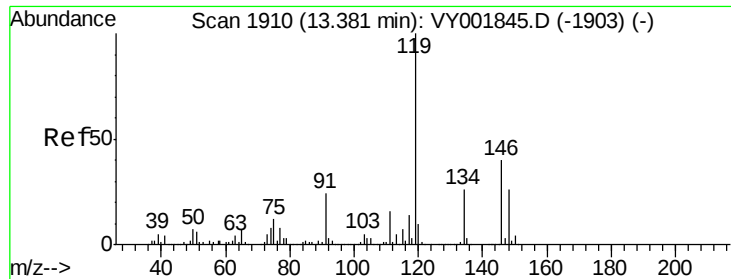
Tot Ion: 91 Resp: 186150
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#



#85
sec-Butylbenzene
Concen: 11.675 ug/l
RT: 13.34 min Scan# 1904
Delta R.T. 0.08 min
Lab File: VY001878.D
Acq: 05 Mar 2020 13:51

Tgt Ion: 105 Resp: 83945
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#86
 p-Isopropyltoluene
 Concen: 5.711 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001878.D
 Acq: 05 Mar 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	44.6	13.1	39.3#
91	0.0	11.9	35.7#

