

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001614.D
 Acq On : 12 Feb 2020 16:51
 Operator : SY/MD
 Sample : L1370-01
 Misc : 7.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 13 07:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	174234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	275113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118593	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	97797	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
35) Dibromofluoromethane	7.74	113	91168	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.19	98	373578	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.49	95	127164	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	

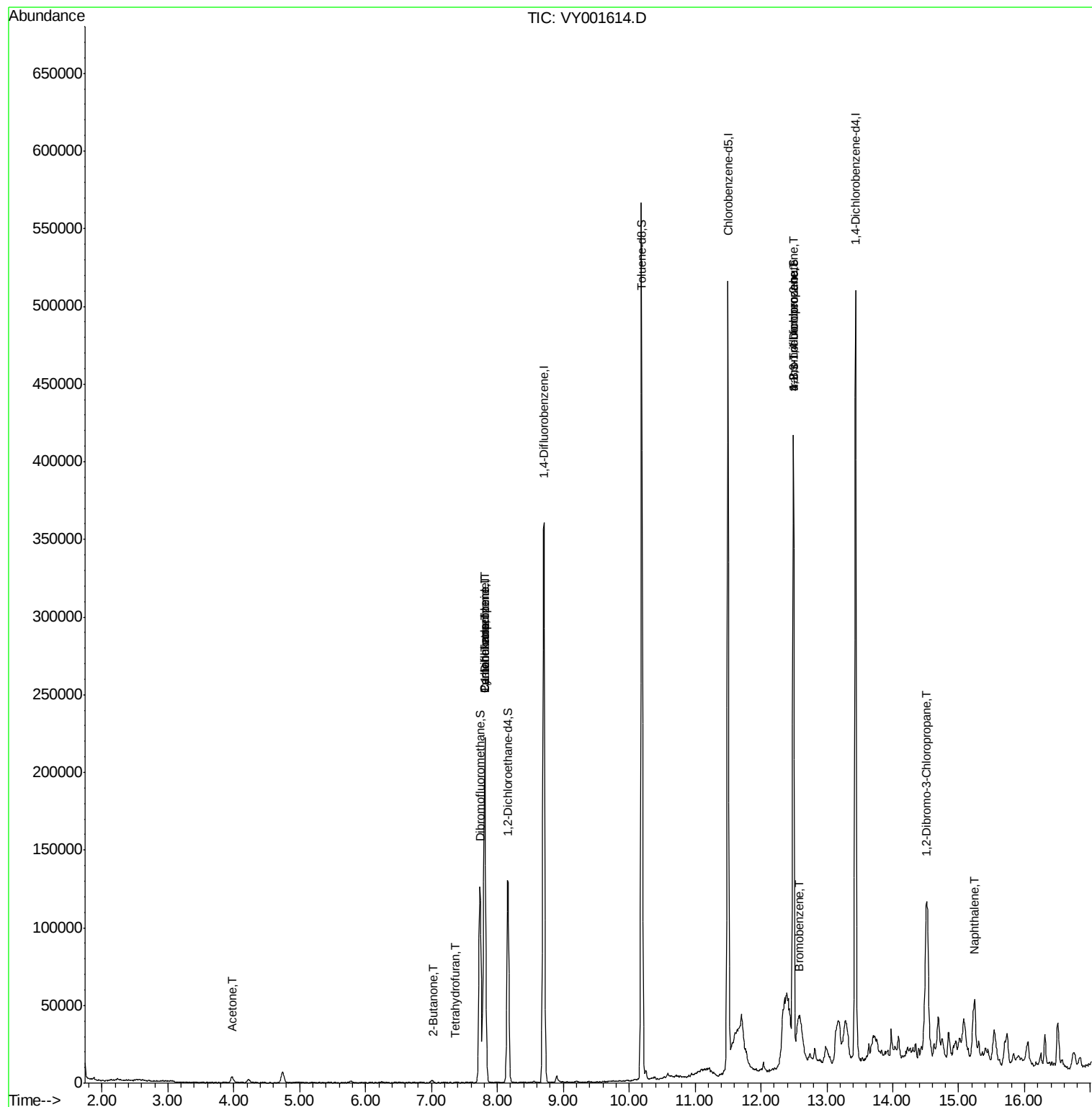
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	151	Below Cal	#	51
16) Acetone	3.98	43	7432	14.646	ug/l #	80
20) Methylene Chloride	4.74	84	5354	Below Cal	#	95
25) 2-Butanone	7.02	43	805	1.223	ug/l #	79
29) Tetrahydrofuran	7.37	42	403	1.021	ug/l #	42
31) Cyclohexane	7.80	56	3808	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13585	4.762	ug/l #	50
38) Carbon Tetrachloride	7.80	117	16966	6.147	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	64297	50.415	ug/l #	100
77) Bromobenzene	12.58	156	46049	23.525	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	64297	97.551	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.52	75	4208	13.264	ug/l #	6
95) Naphthalene	15.25	128	20293	3.769	ug/l #	91

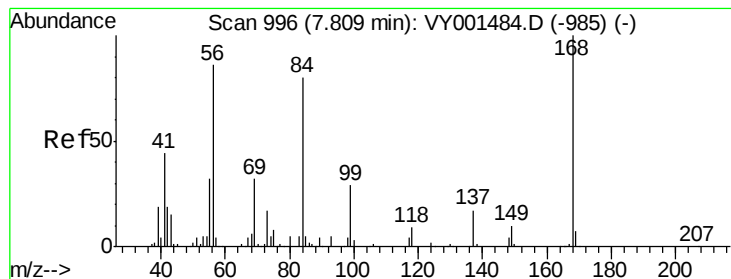
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

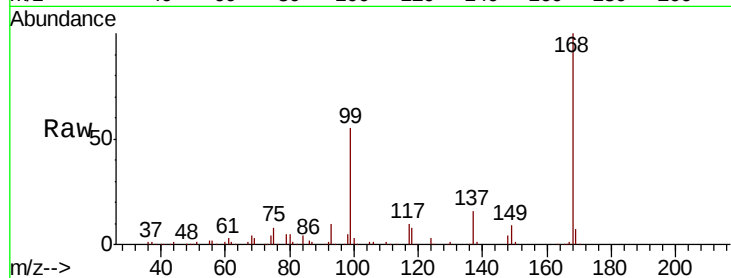
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 174234

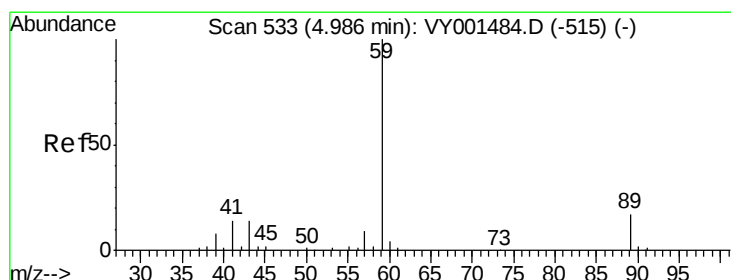
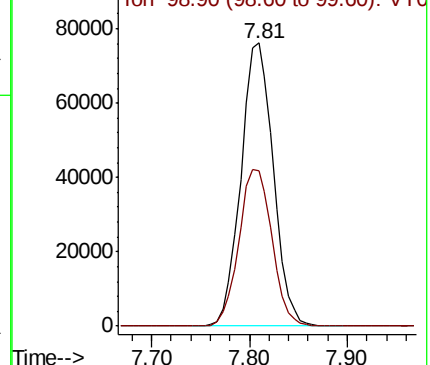
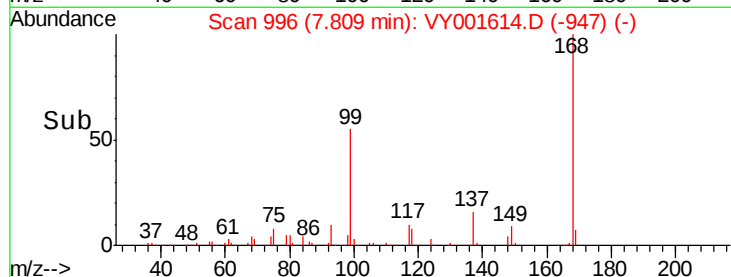
Ion Ratio Lower Upper

168 100

99 55.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001614.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY001614.D

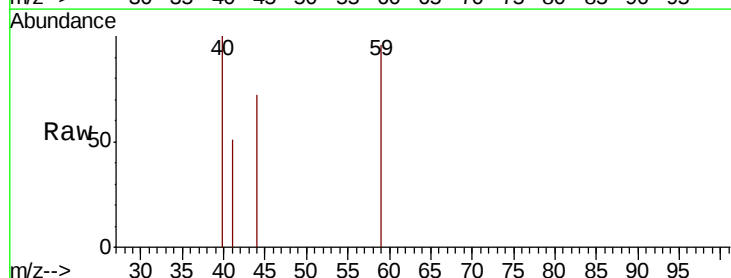
Acq: 12 Feb 2020 16:51

Tgt Ion: 59 Resp: 151

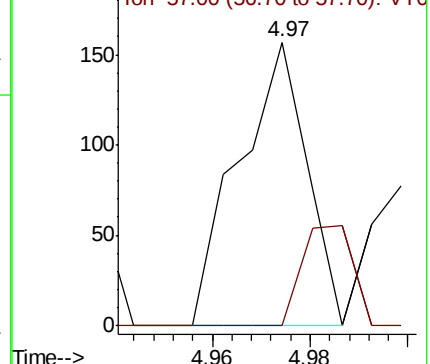
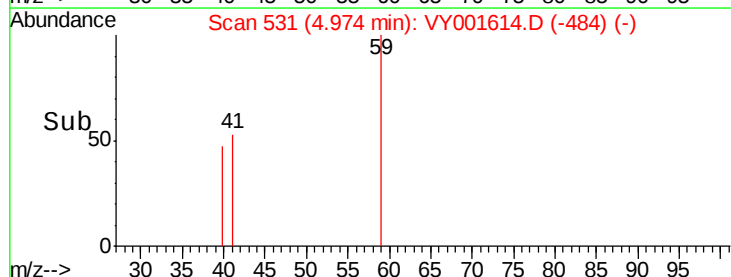
Ion Ratio Lower Upper

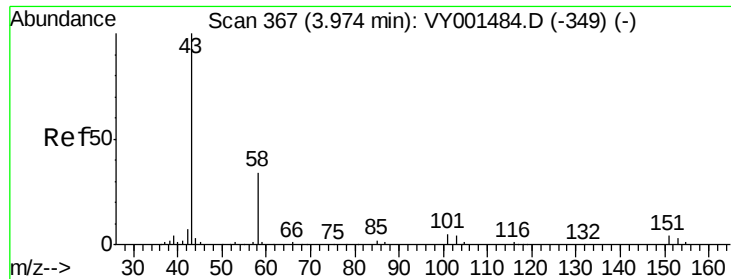
59 100

57 26.5 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001614.D (-484) (-)

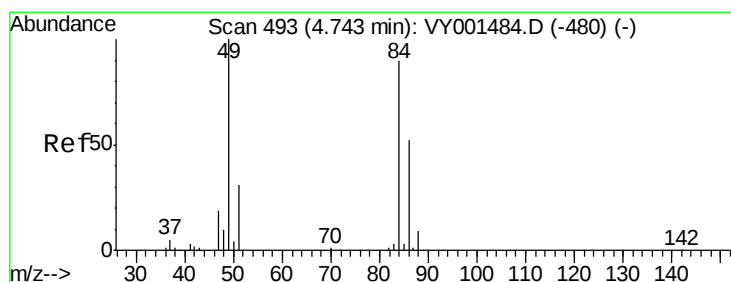
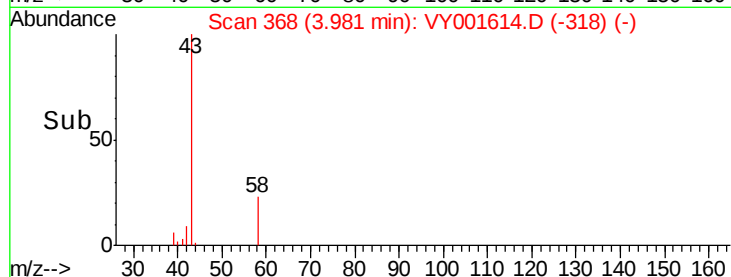
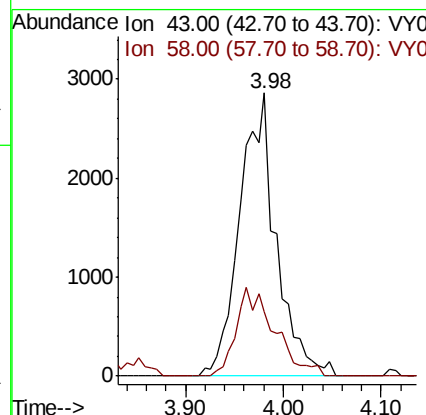
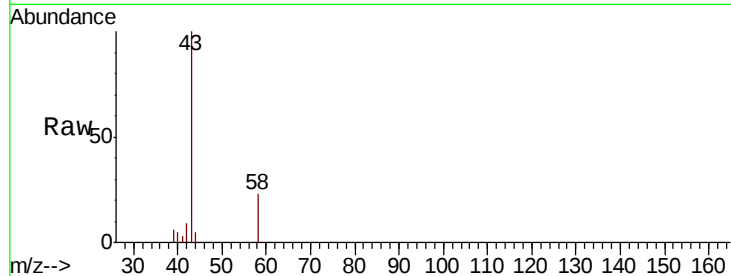




#16
Acetone
Concen: 14.646 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001614.D
Acq: 12 Feb 2020 16:51

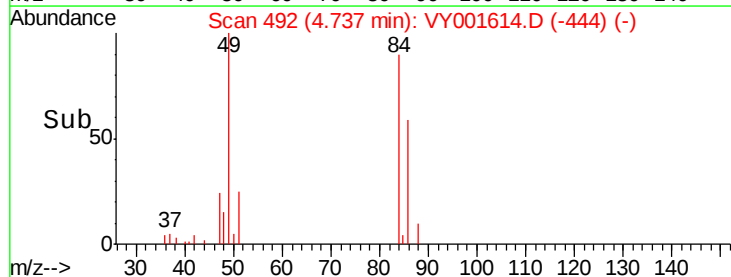
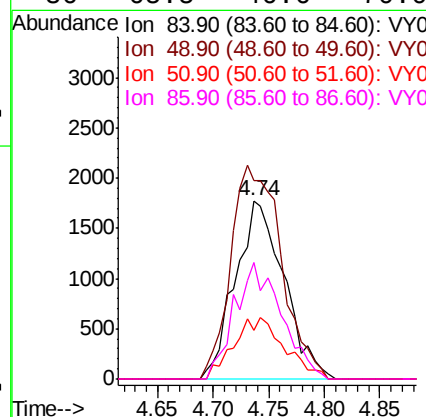
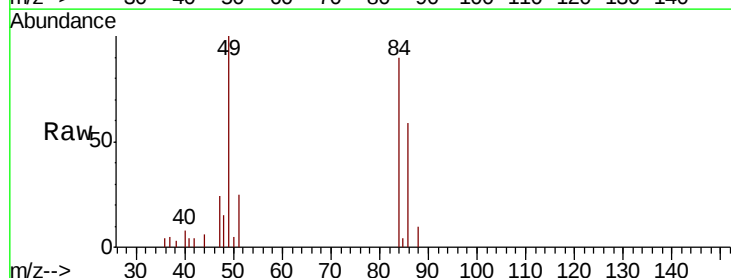
Instrument :
MSVOA_Y
ClientSampleId :

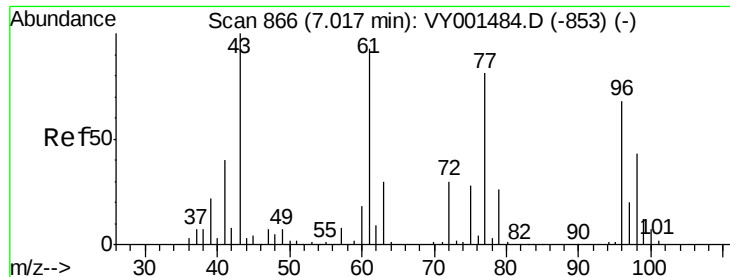
Tot Ion: 43 Resp: 7432
Ion Ratio Lower Upper
43 100
58 22.9 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001614.D
Acq: 12 Feb 2020 16:51

Tgt Ion: 84 Resp: 5354
Ion Ratio Lower Upper
84 100
49 111.1 89.0 133.6
51 27.3 27.4 41.2#
86 65.5 46.6 70.0

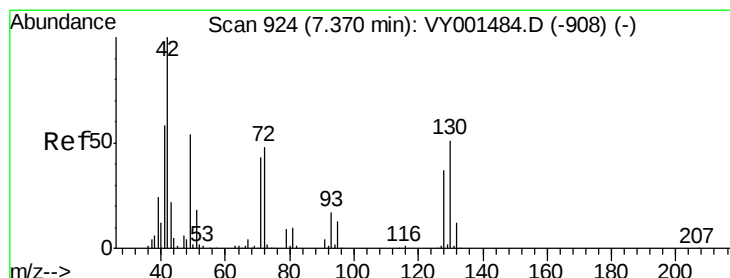
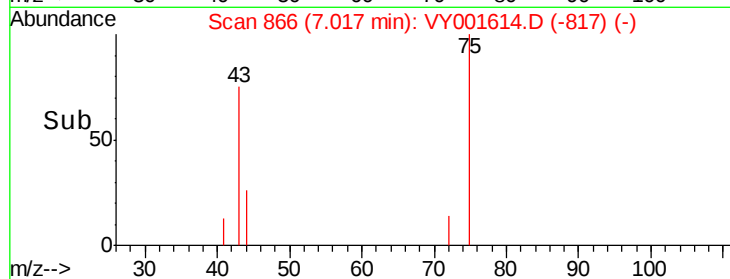
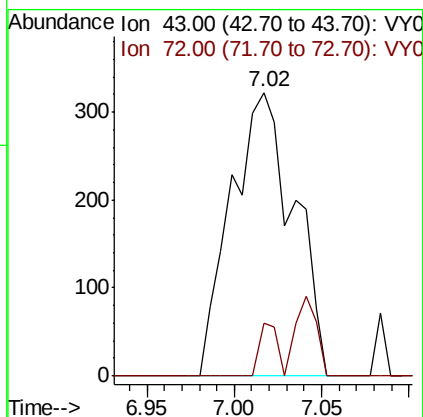
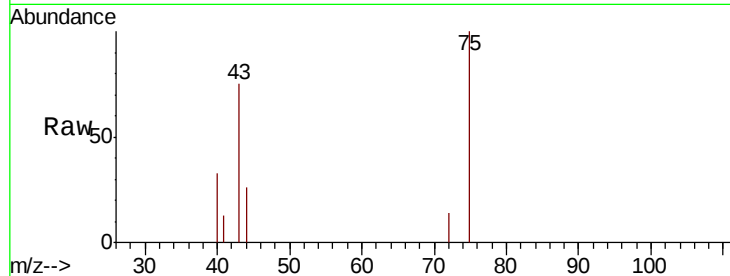




#25
2-Butanone
Concen: 1.223 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001614.D
Acq: 12 Feb 2020 16:51

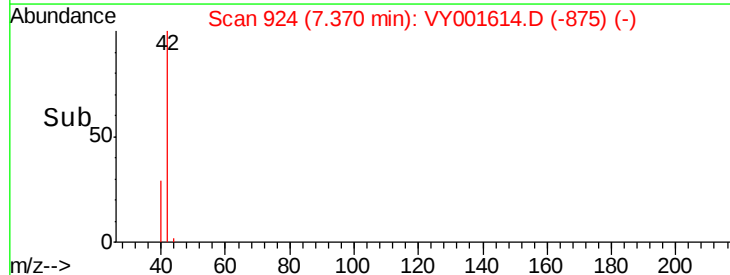
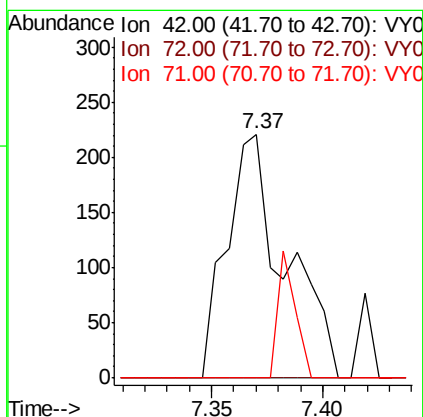
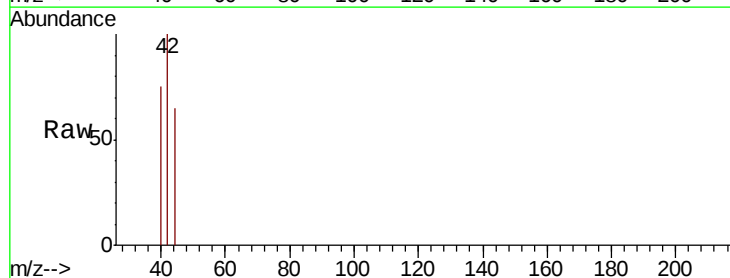
Instrument :
MSVOA_Y
ClientSampled :

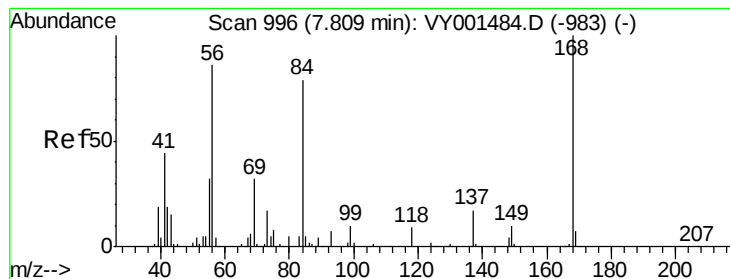
Tot Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
72 18.6 23.8 35.8#



#29
Tetrahydrofuran
Concen: 1.021 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001614.D
Acq: 12 Feb 2020 16:51

Tgt Ion: 42 Resp: 403
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 15.4 34.8 52.2#





#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

Instrument :

MSVOA_Y

ClientSampled :

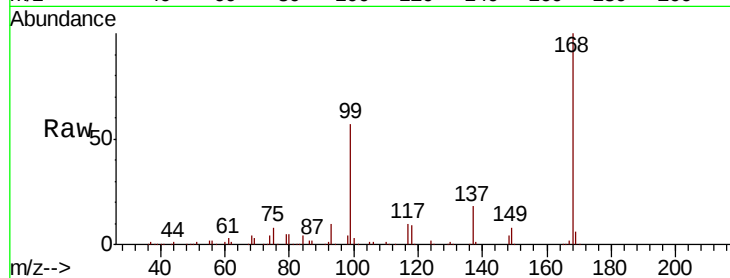
Tot Ion: 56 Resp: 3808

Ion Ratio Lower Upper

56 100

69 154.0 29.6 44.4#

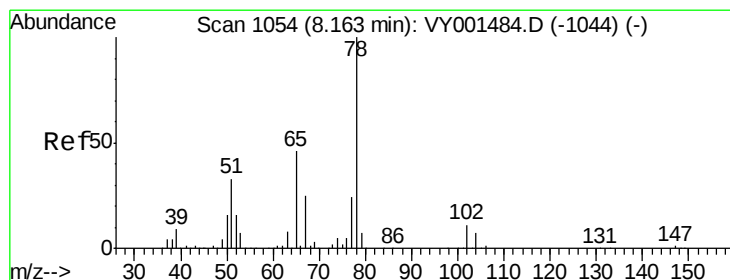
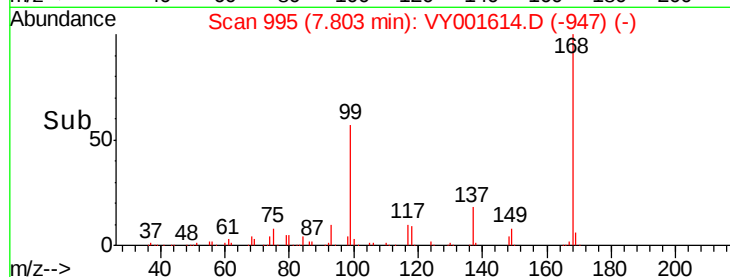
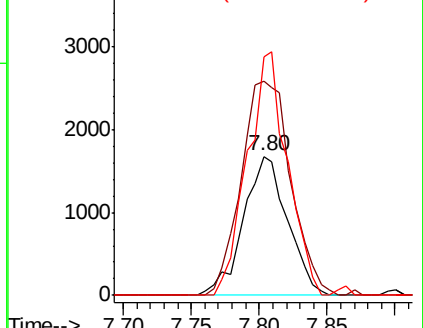
84 171.4 73.6 110.4#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 55.748 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001614.D

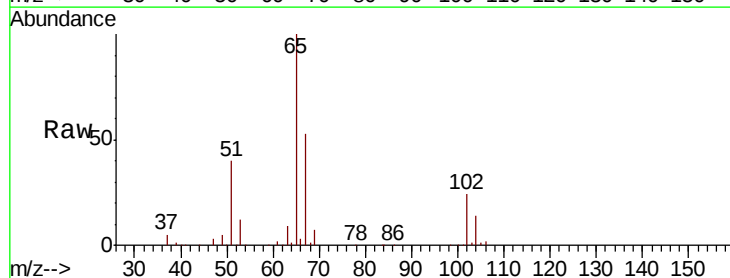
Acq: 12 Feb 2020 16:51

Tgt Ion: 65 Resp: 97797

Ion Ratio Lower Upper

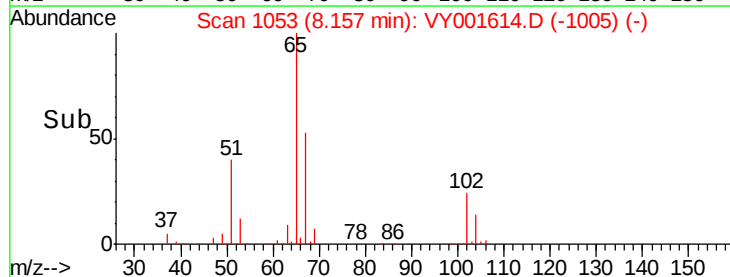
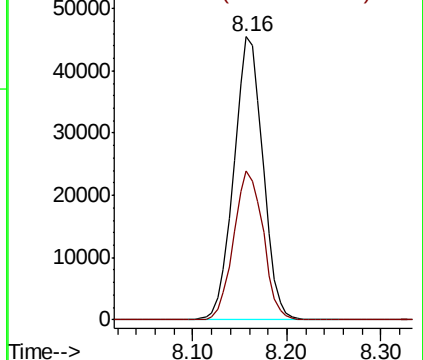
65 100

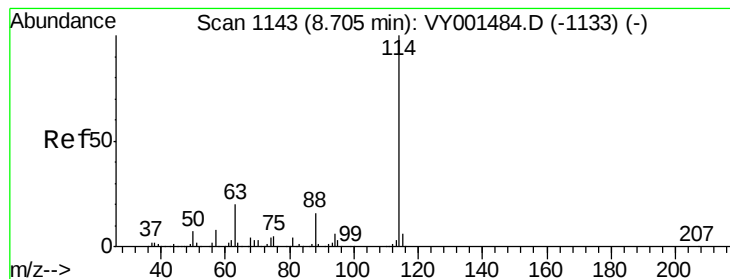
67 53.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

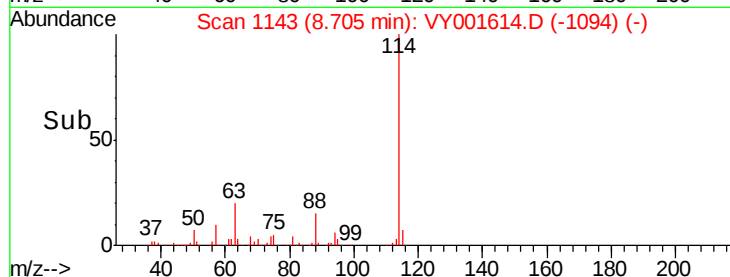
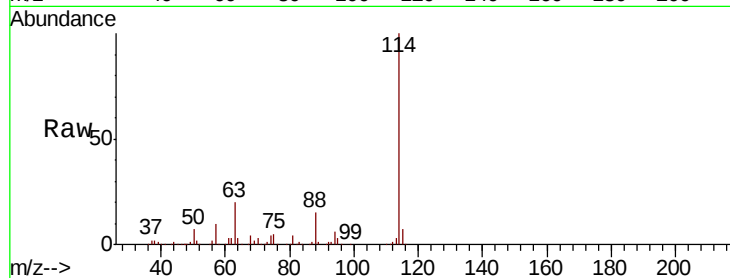
Tot Ion:114 Resp: 311831

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

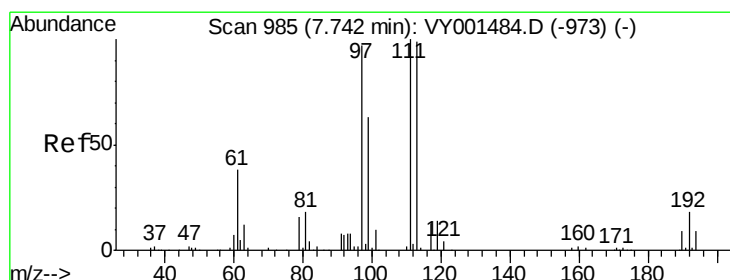
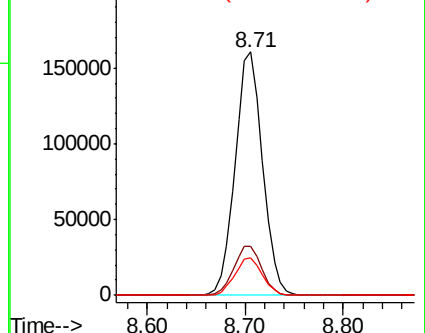
88 15.2 0.0 32.6



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: 50.701 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

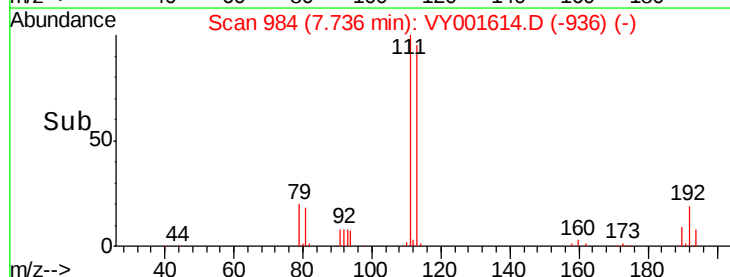
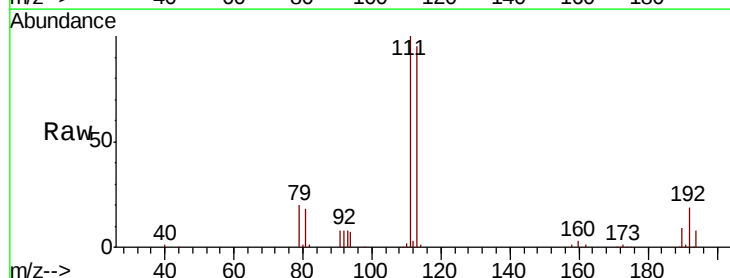
Tgt Ion:113 Resp: 91168

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

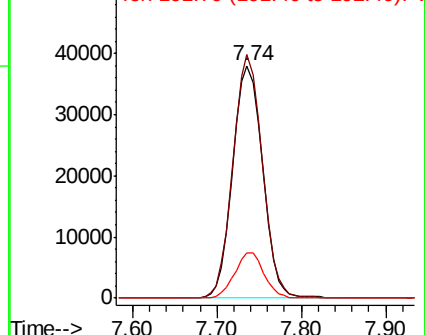
192 19.1 14.6 22.0

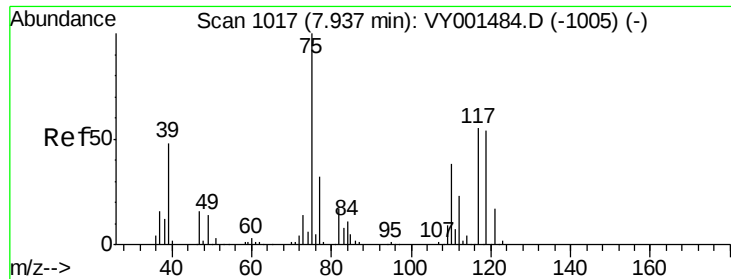


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

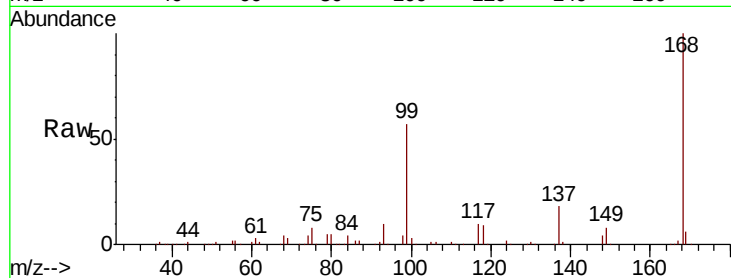




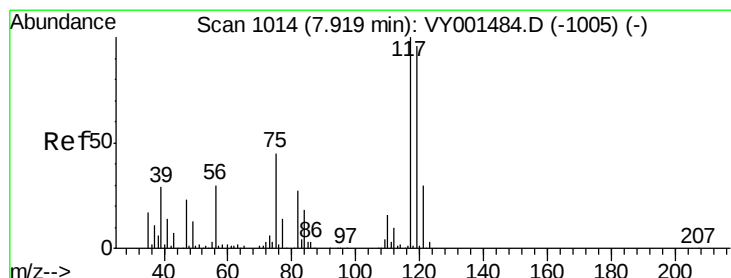
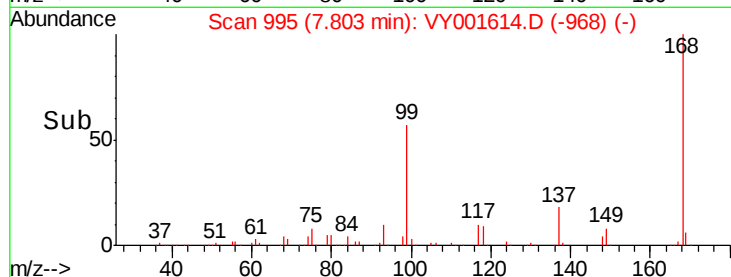
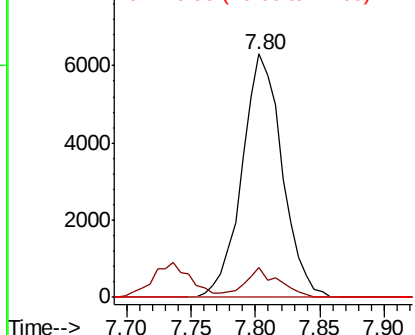
#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY001614.D
 Acq: 12 Feb 2020 16:51

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.2	54.6#
77	0.0	25.0	37.4#

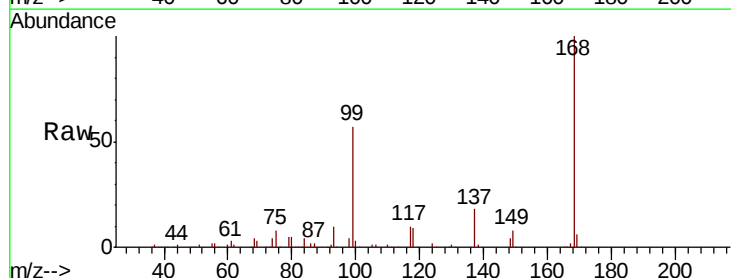


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

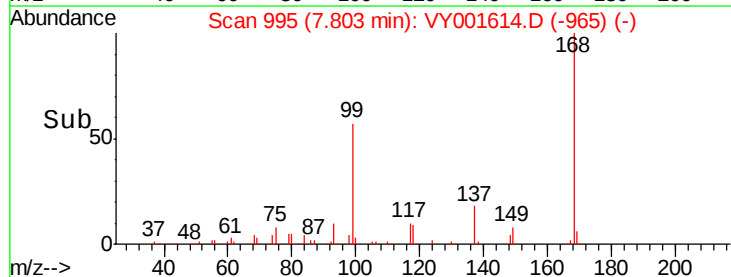
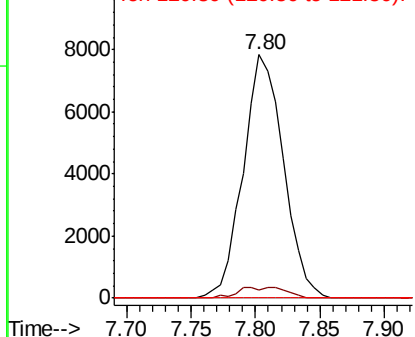


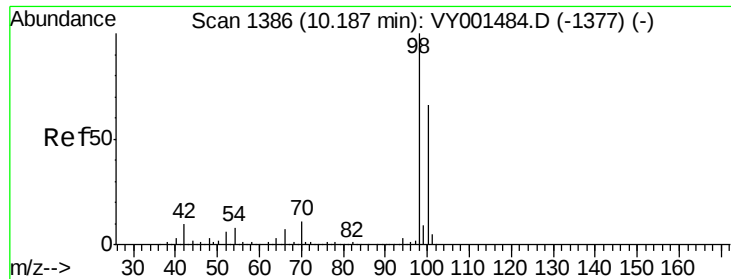
#38
 Carbon Tetrachloride
 Concen: 6.147 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001614.D
 Acq: 12 Feb 2020 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.4	114.6#
121	0.0	24.2	36.4#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 54.912 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

Instrument :

MSVOA_Y

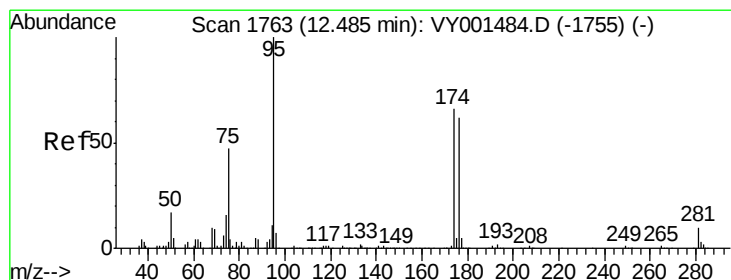
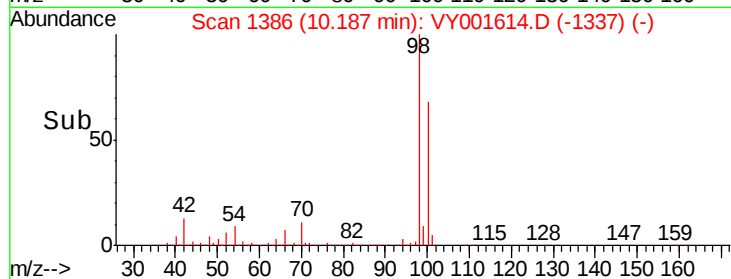
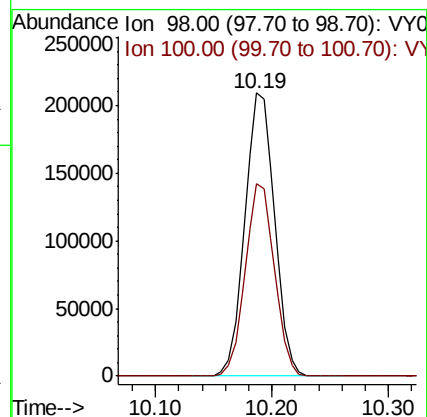
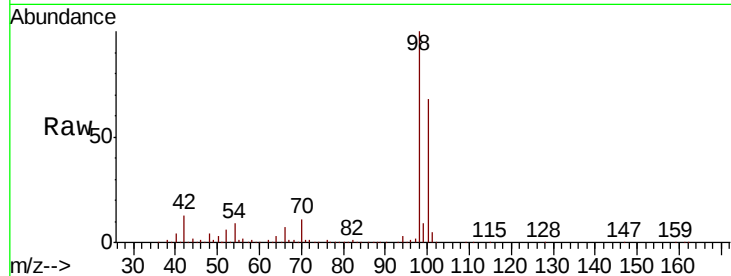
ClientSampleId :

Tot Ion: 98 Resp: 373578

Ion Ratio Lower Upper

98 100

100 66.7 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 47.447 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

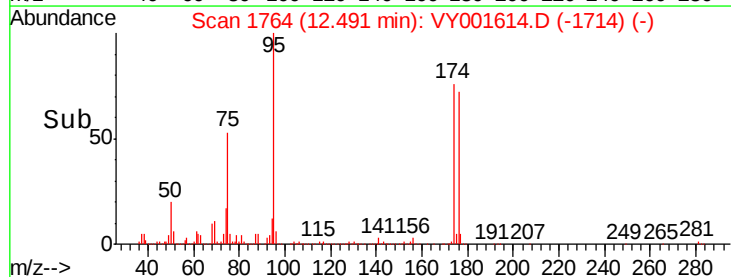
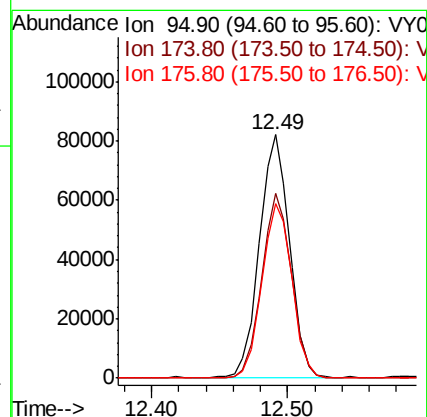
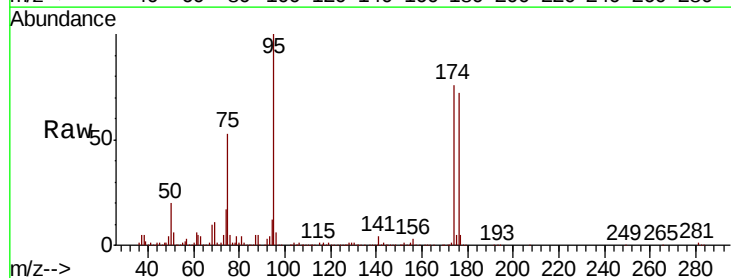
Tgt Ion: 95 Resp: 127164

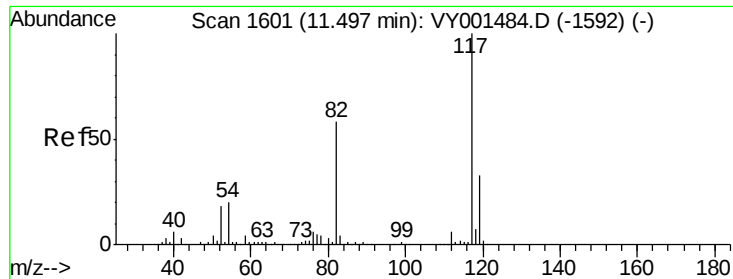
Ion Ratio Lower Upper

95 100

174 75.1 0.0 141.4

176 71.6 0.0 135.4

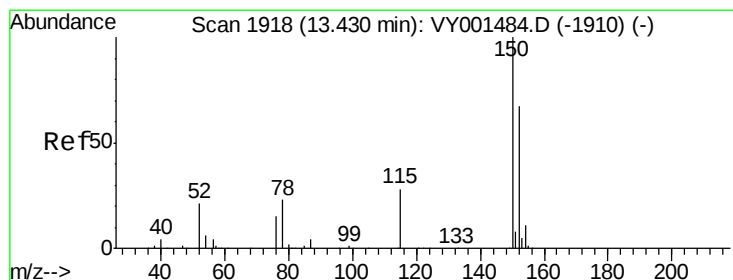
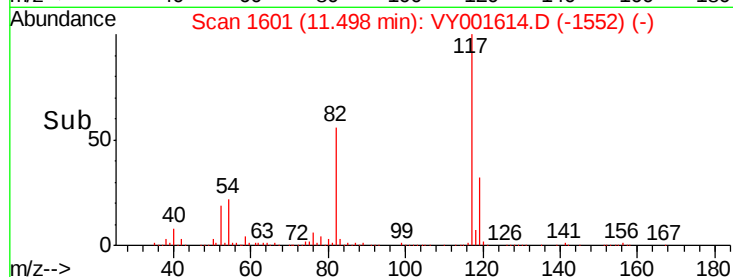
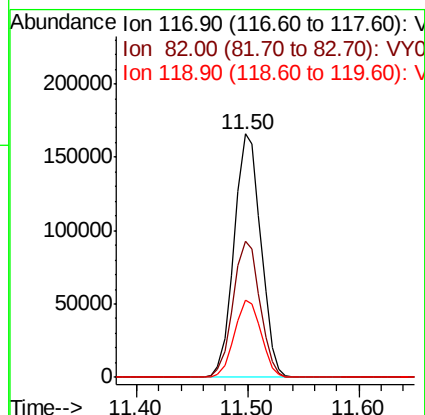
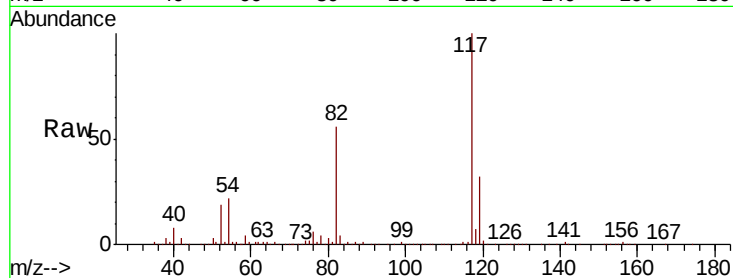




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001614.D
Acq: 12 Feb 2020 16:51

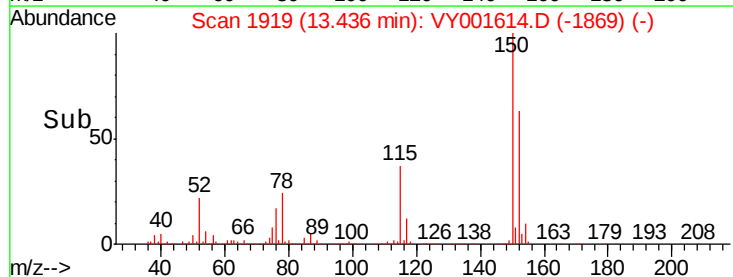
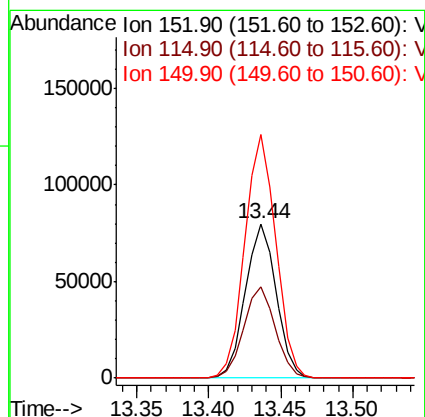
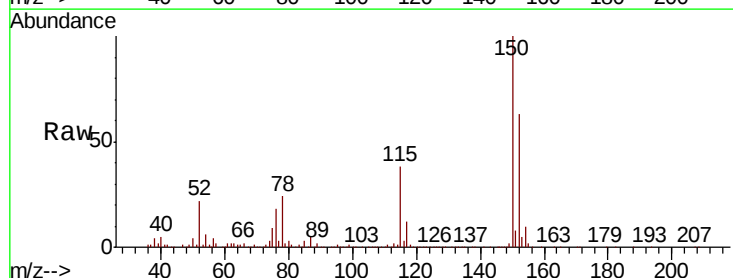
Instrument :
MSVOA_Y
ClientSampleId :

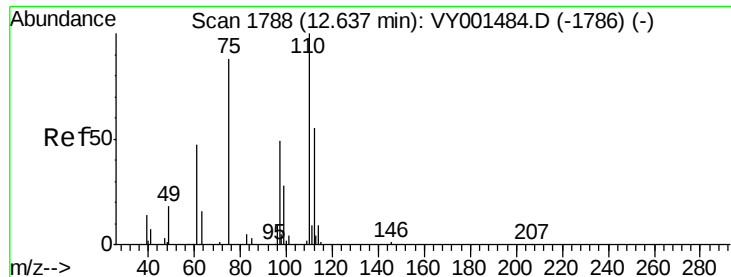
Tot Ion:117 Resp: 275113
Ion Ratio Lower Upper
117 100
82 56.0 46.1 69.1
119 31.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001614.D
Acq: 12 Feb 2020 16:51

Tgt Ion:152 Resp: 118593
Ion Ratio Lower Upper
152 100
115 60.1 31.4 94.3
150 158.7 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 50.415 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

Instrument :

MSVOA_Y

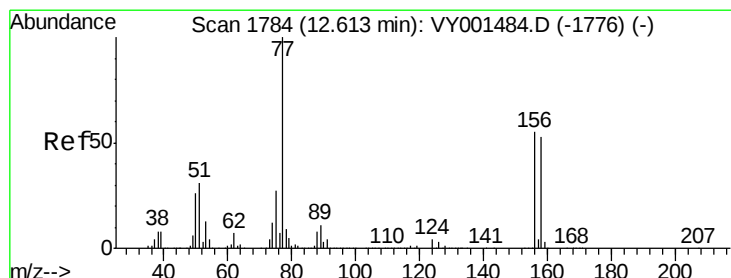
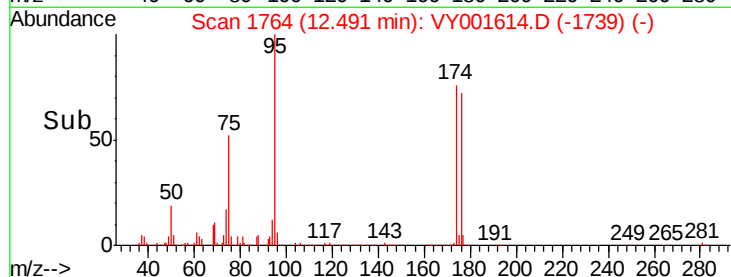
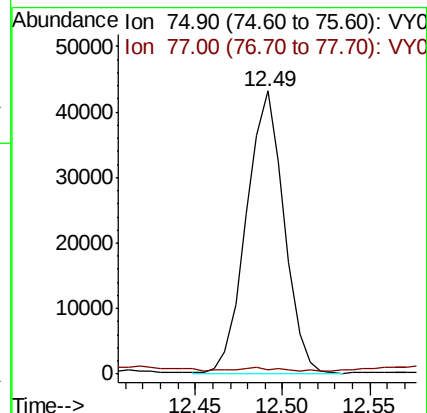
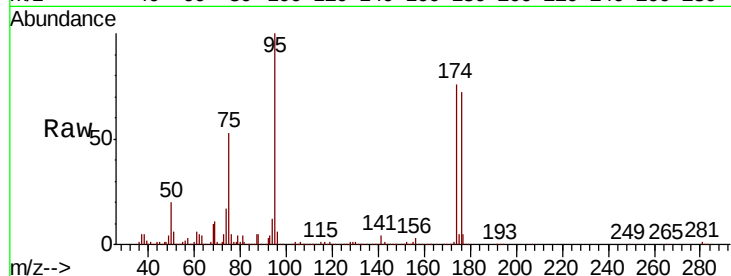
ClientSampleId :

Tot Ion: 75 Resp: 64297

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#77

Bromobenzene

Concen: 23.525 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.04 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

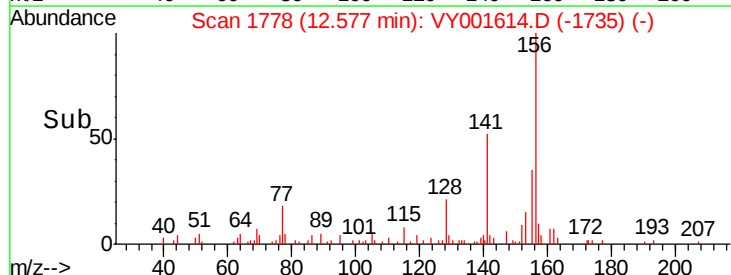
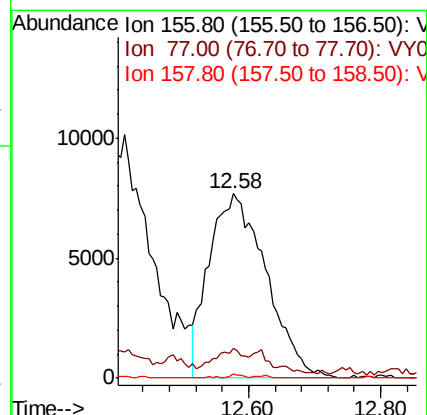
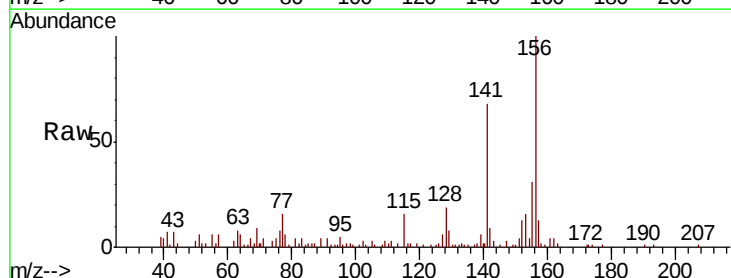
Tgt Ion: 156 Resp: 46049

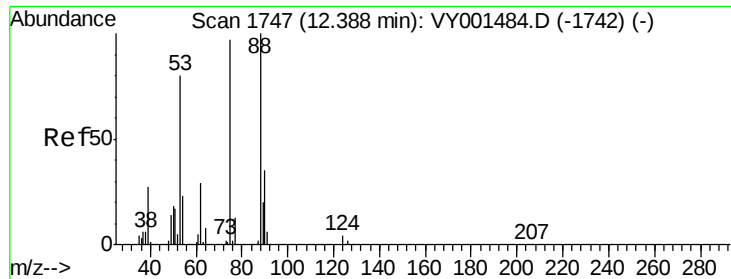
Ion Ratio Lower Upper

156 100

77 5.4 99.8 299.3#

158 0.5 47.5 142.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 97.551 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

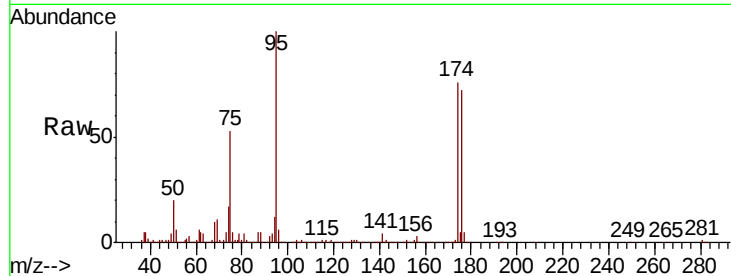
Tot Ion: 75 Resp: 64297

Ion Ratio Lower Upper

75 100

53 0.2 67.7 101.5#

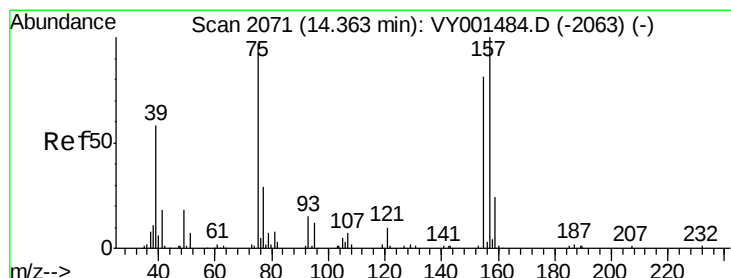
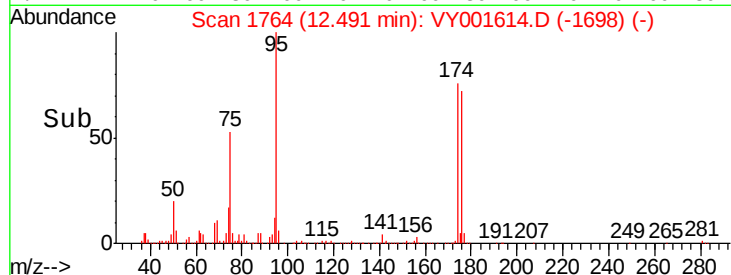
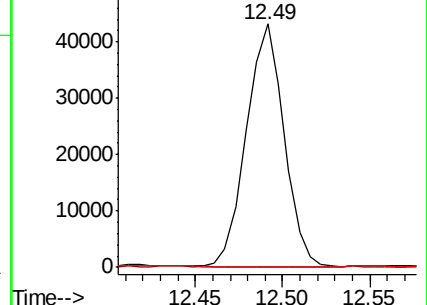
89 0.0 34.6 52.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.264 ug/l

RT: 14.52 min Scan# 2096

Delta R.T. 0.15 min

Lab File: VY001614.D

Acq: 12 Feb 2020 16:51

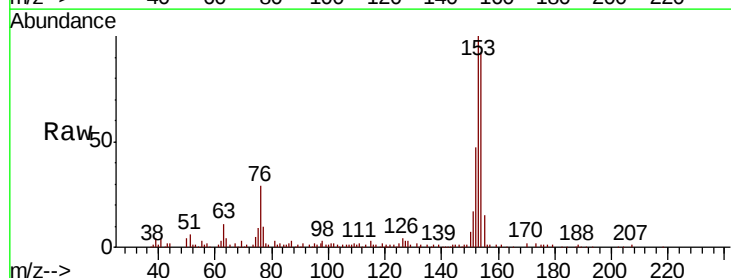
Tgt Ion: 75 Resp: 4208

Ion Ratio Lower Upper

75 100

155 0.0 40.7 122.1#

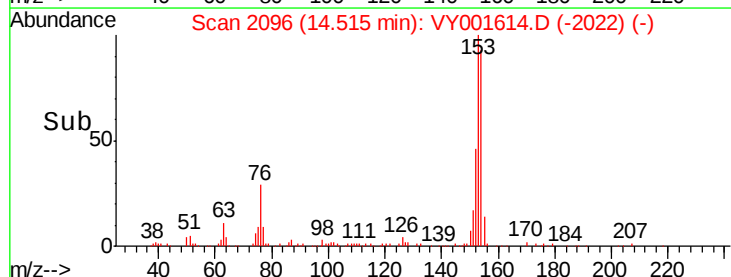
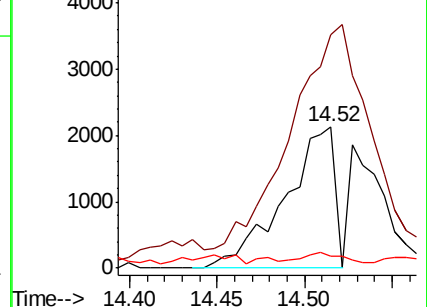
157 6.1 52.3 157.1#

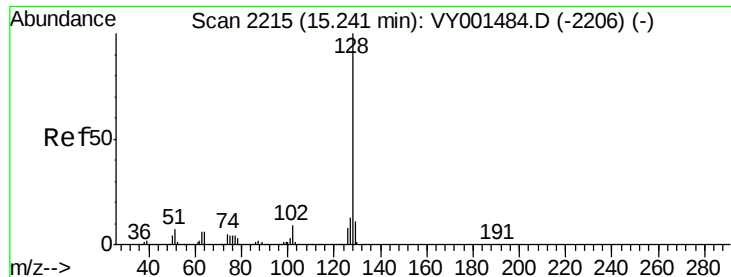


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

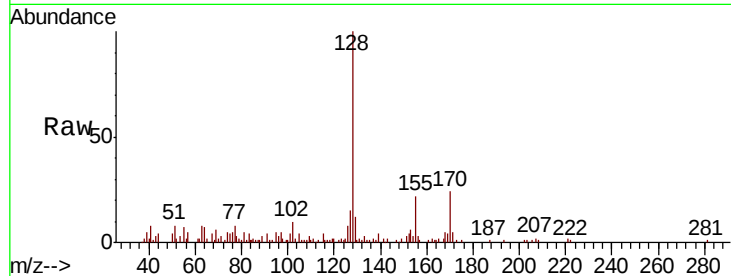




#95
Naphthalene
Concen: 3.769 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001614.D
Acq: 12 Feb 2020 16:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.1	15.1
129	14.2	8.9	13.3



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

