

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001874.D
 Acq On : 05 Mar 2020 12:21
 Operator : SY/MD
 Sample : L1748-01RE
 Misc : 5.62G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:37:05 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	7.80	168	43149	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	75617	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	61212	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	24241	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	22559	48.97	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.94%	
35) Dibromofluoromethane	7.73	113	20738	50.22	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.44%	
50) Toluene-d8	10.18	98	88173	50.64	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.49	95	25907	42.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.58%	

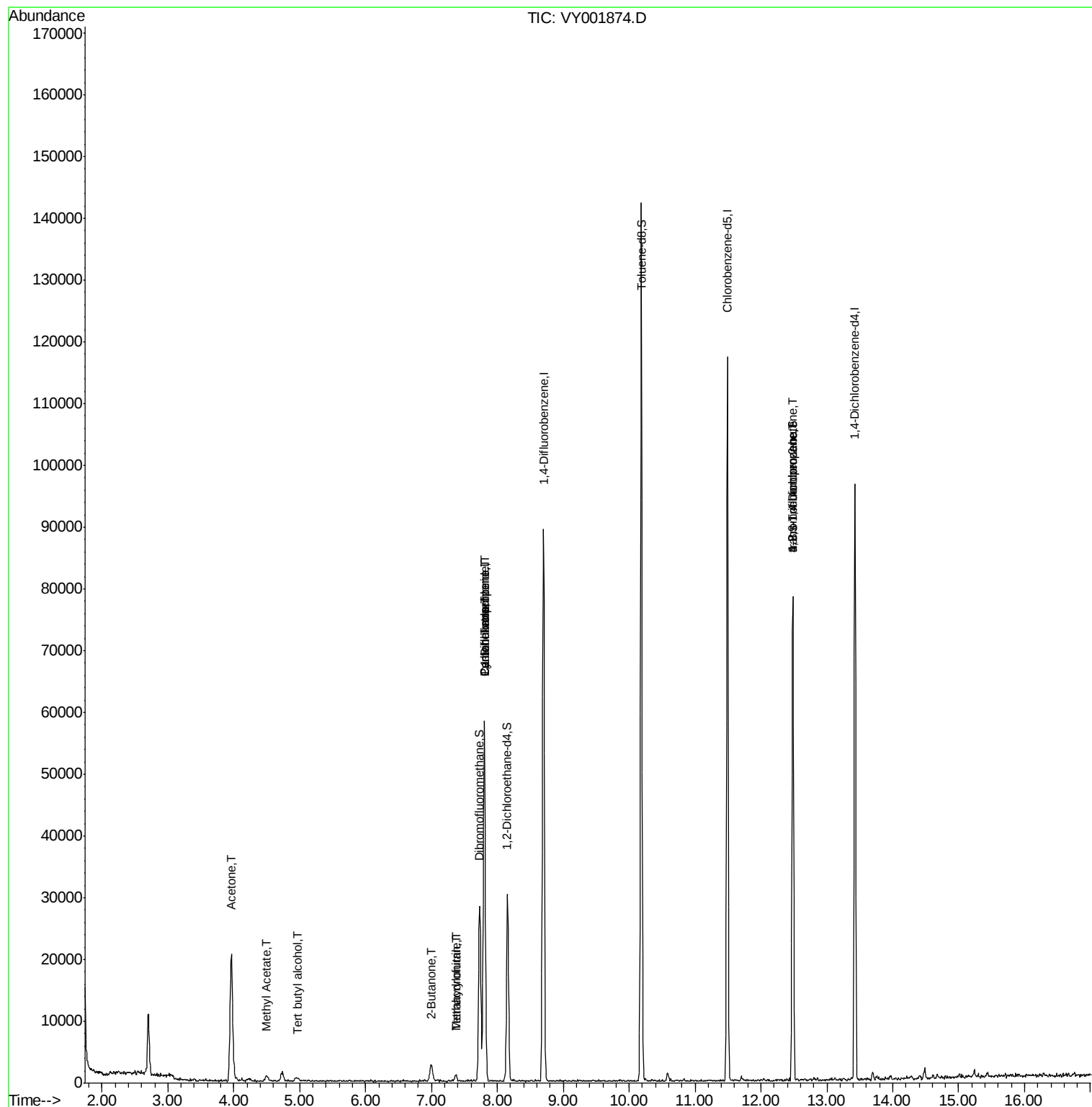
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	128	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	1470	8.888	ug/l #	74
16) Acetone	3.96	43	36026	268.515	ug/l	96
18) Methyl Acetate	4.50	43	2093	6.071	ug/l #	73
25) 2-Butanone	6.99	43	242	1.186	ug/l #	49
29) Tetrahydrofuran	7.38	42	763	5.631	ug/l	94
31) Cyclohexane	7.80	56	1103	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	3512	4.826	ug/l #	51
38) Carbon Tetrachloride	7.80	117	4599	7.399	ug/l #	17
41) Methacrylonitrile	7.36	41	529	2.779	ug/l #	8
76) 1,2,3-Trichloropropane	12.49	75	12549	43.628	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	12549	88.127	ug/l #	17

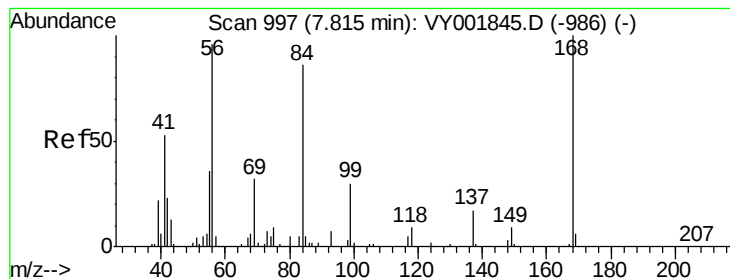
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001874.D

Acq: 05 Mar 2020 12:21

Instrument :

MSVOA_Y

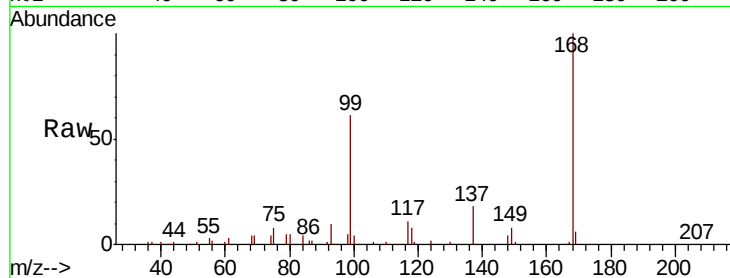
ClientSampleId :

Tot Ion:168 Resp: 43149

Ion Ratio Lower Upper

168 100

99 61.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001874.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001874.D (-948) (-)

7.80

20000

15000

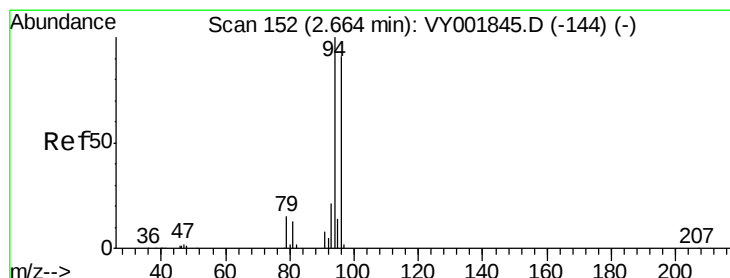
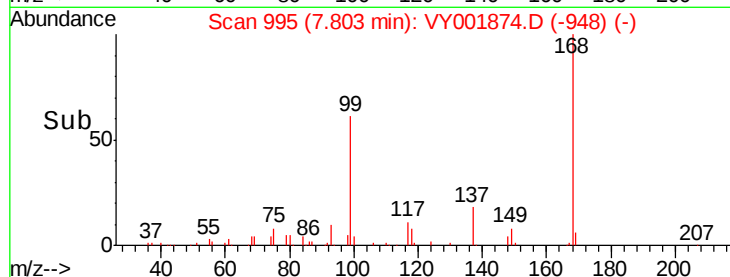
10000

5000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001874.D

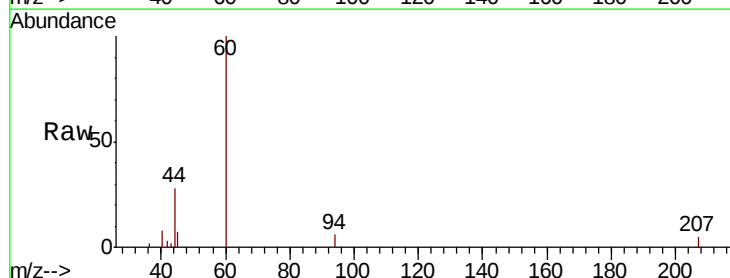
Acq: 05 Mar 2020 12:21

Tgt Ion: 94 Resp: 128

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001874.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY001874.D (-103) (-)

2.68

150

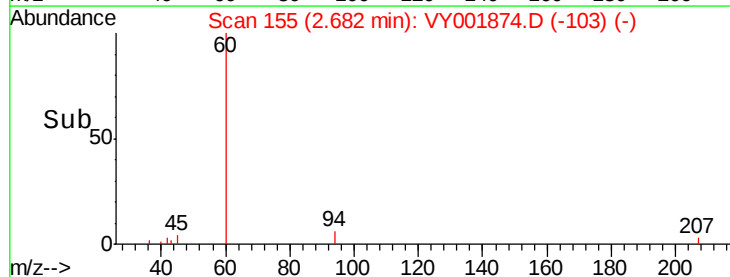
100

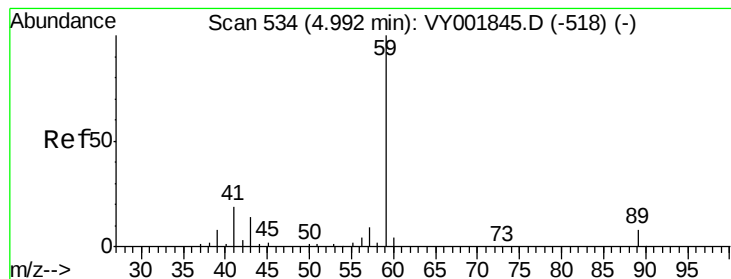
50

0

Time-->

2.64 2.66 2.68 2.70



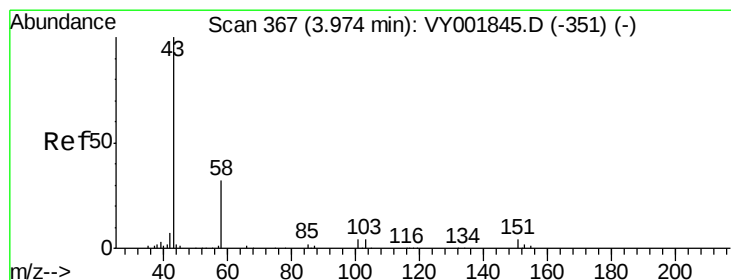
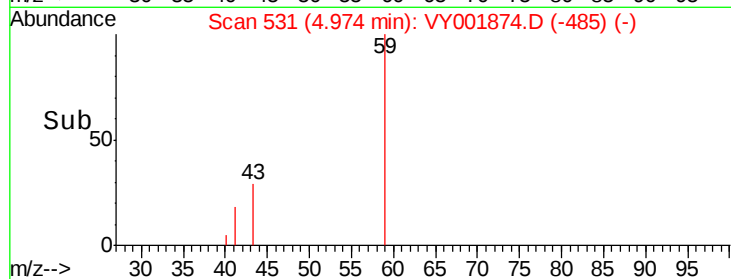
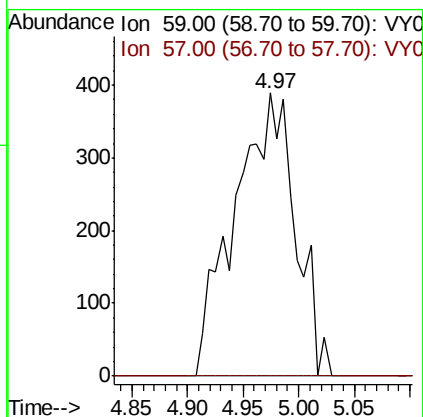
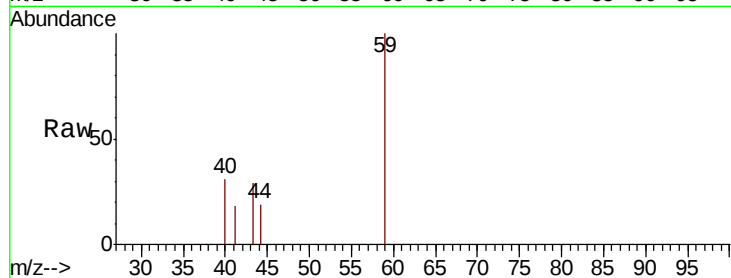


#11

Tert butyl alcohol
 Concen: 8.888 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001874.D
 Acq: 05 Mar 2020 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :

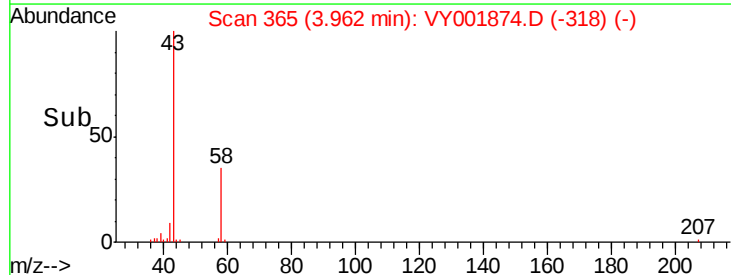
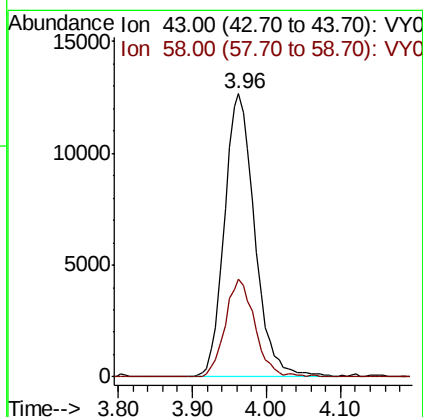
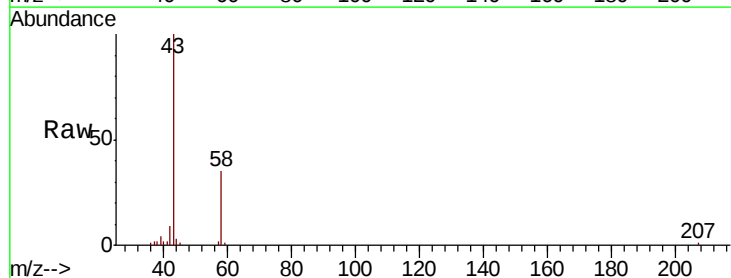
Tot Ion: 59 Resp: 1470
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

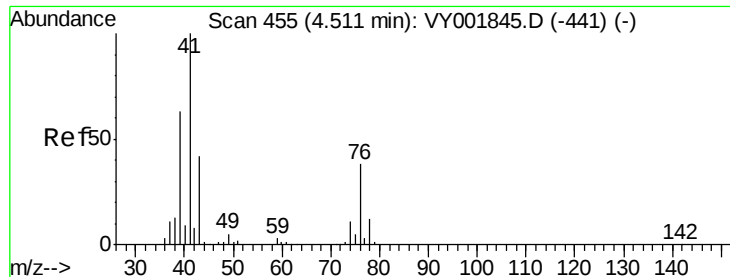


#16

Acetone
 Concen: 268.515 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VY001874.D
 Acq: 05 Mar 2020 12:21

Tgt Ion: 43 Resp: 36026
 Ion Ratio Lower Upper
 43 100
 58 34.6 25.9 38.9

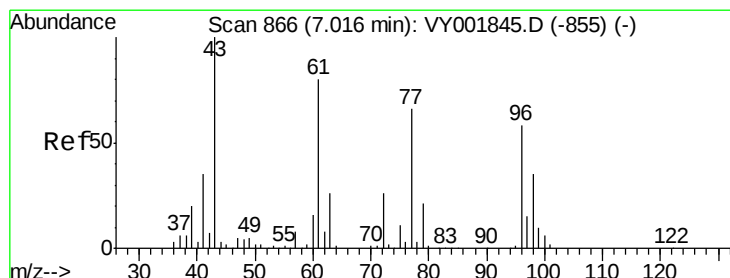
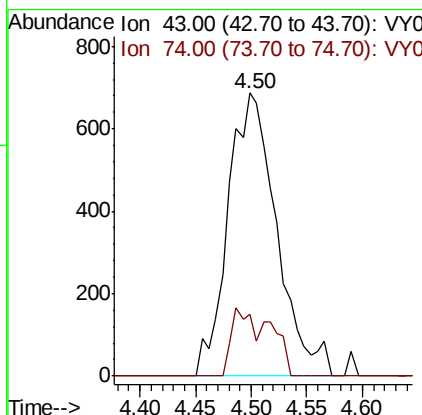
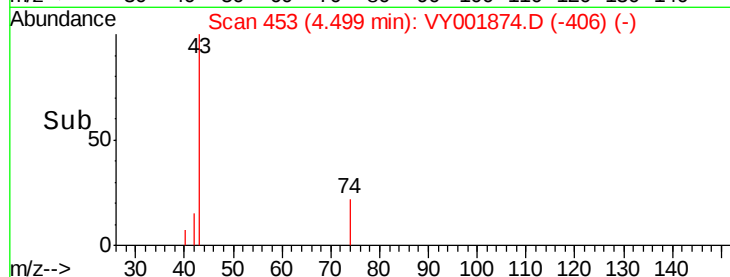
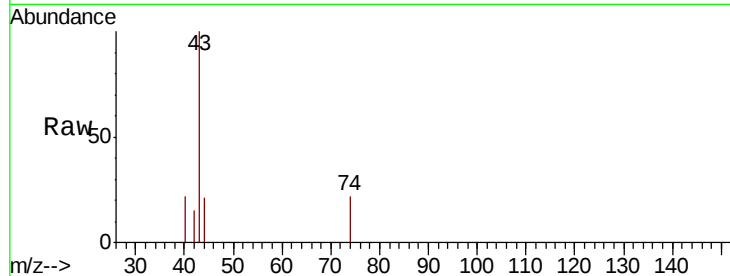




#18
Methyl Acetate
Concen: 6.071 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001874.D
Acq: 05 Mar 2020 12:21

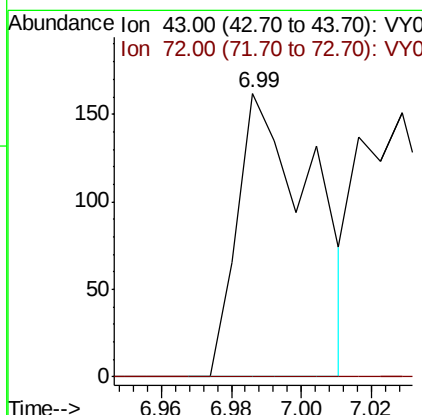
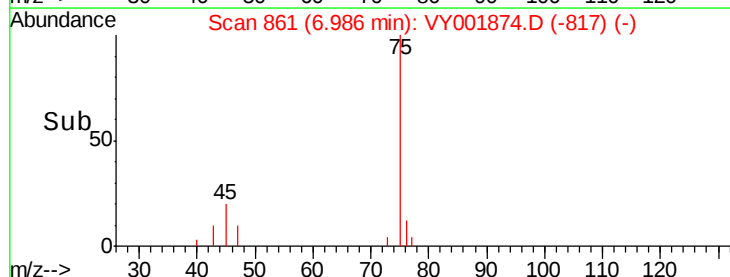
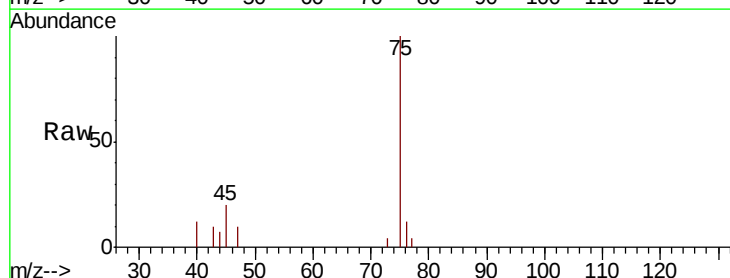
Instrument :
MSVOA_Y
ClientSampleId :

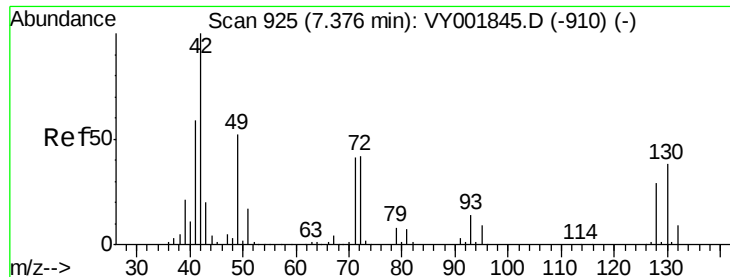
Tot Ion: 43 Resp: 2093
Ion Ratio Lower Upper
43 100
74 10.8 19.0 28.6#



#25
2-Butanone
Concen: 1.186 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.03 min
Lab File: VY001874.D
Acq: 05 Mar 2020 12:21

Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#





#29

Tetrahydrofuran

Concen: 5.631 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.00 min

Lab File: VY001874.D

Acq: 05 Mar 2020 12:21

Instrument :

MSVOA_Y

ClientSampleId :

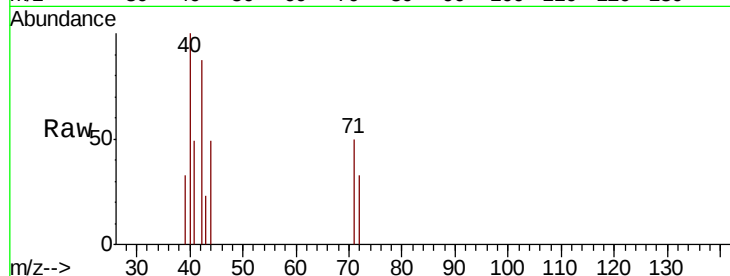
Tot Ion: 42 Resp: 763

Ion Ratio Lower Upper

42 100

72 42.3 33.5 50.3

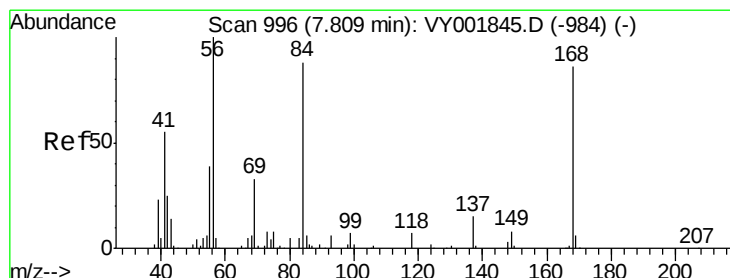
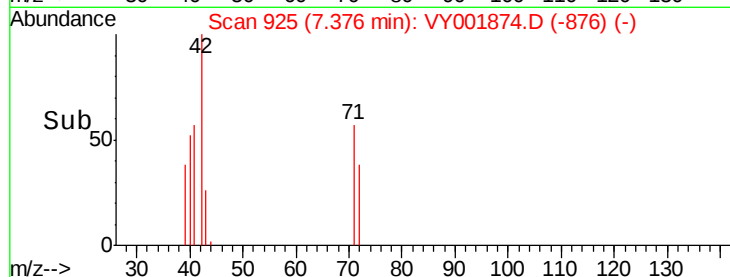
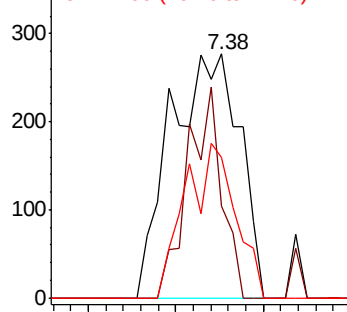
71 45.7 31.3 46.9



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: 1.090 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001874.D

Acq: 05 Mar 2020 12:21

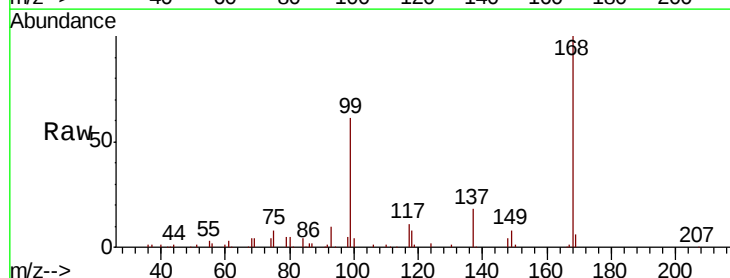
Tgt Ion: 56 Resp: 1103

Ion Ratio Lower Upper

56 100

69 162.4 26.7 40.1#

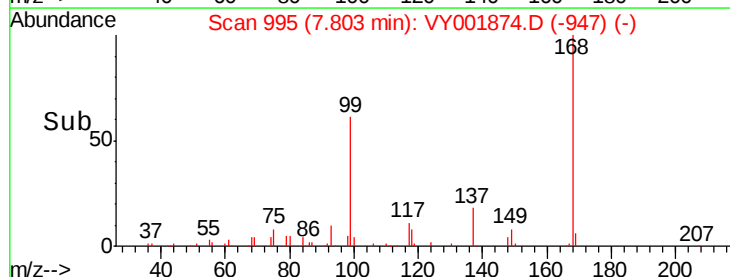
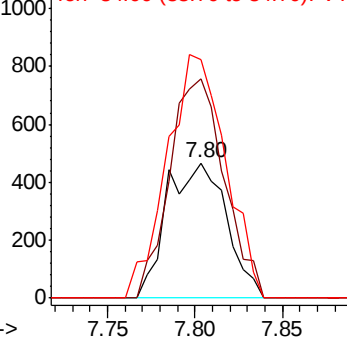
84 176.8 70.4 105.6#

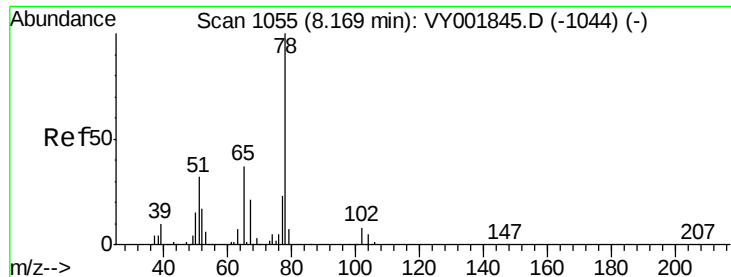


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

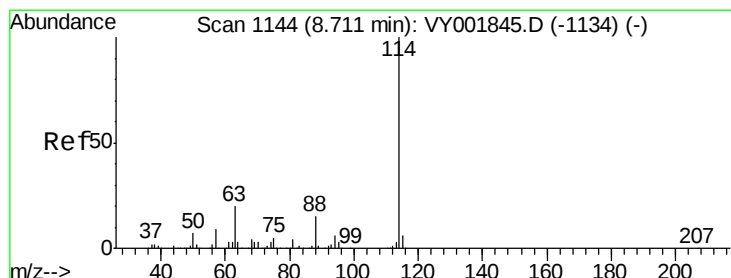
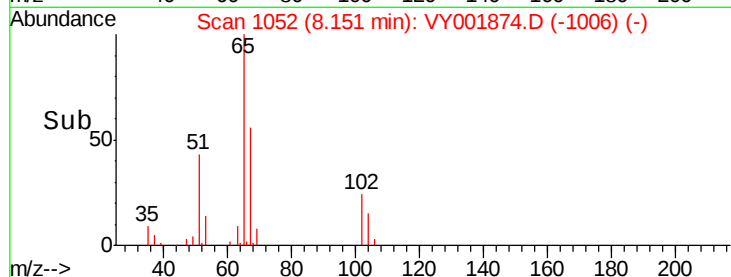
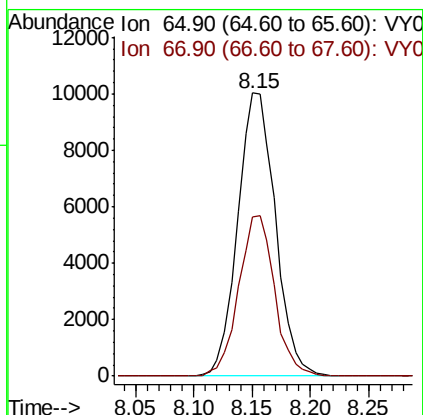
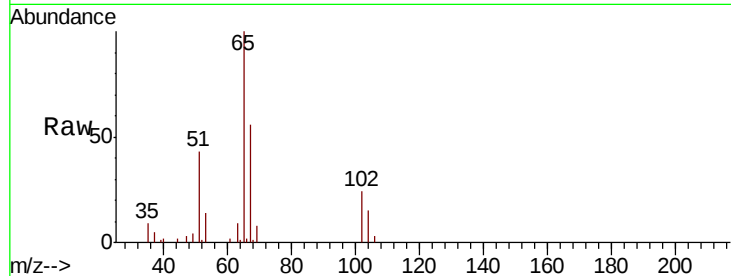




#33
 1,2-Dichloroethane-d4
 Concen: 48.973 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001874.D
 Acq: 05 Mar 2020 12:21

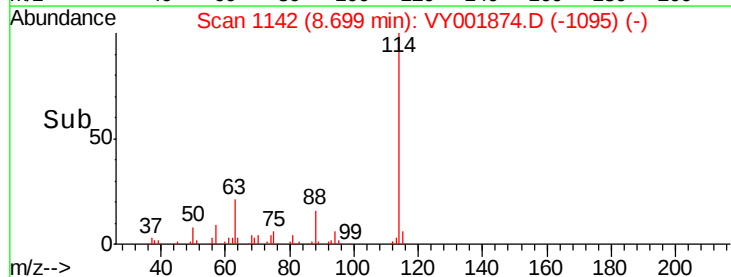
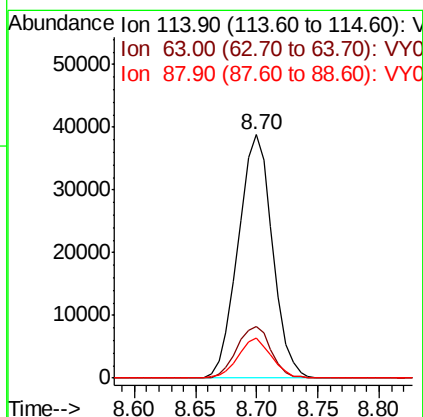
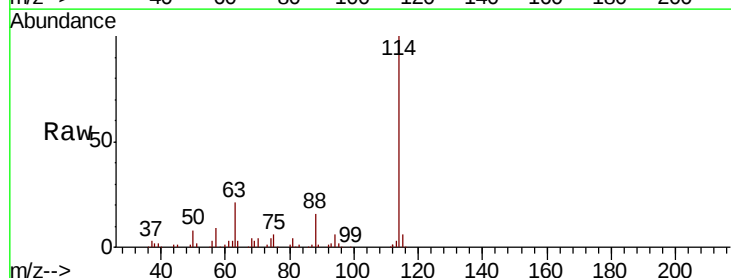
Instrument :
 MSVOA_Y
 ClientSampled :

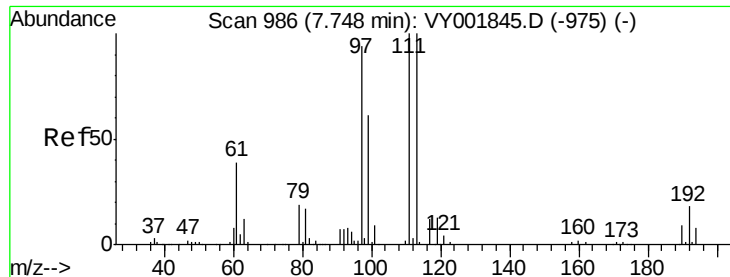
Tot Ion: 65 Resp: 22559
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001874.D
 Acq: 05 Mar 2020 12:21

Tgt Ion: 114 Resp: 75617
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.4
 88 16.3 0.0 30.4

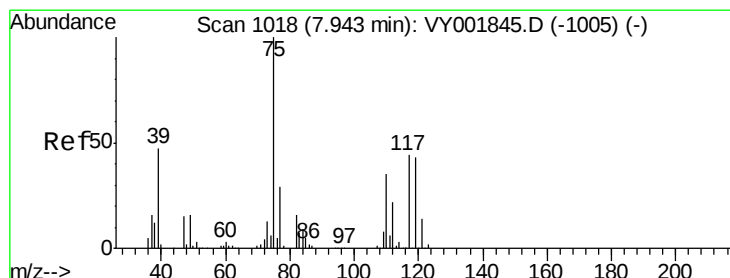
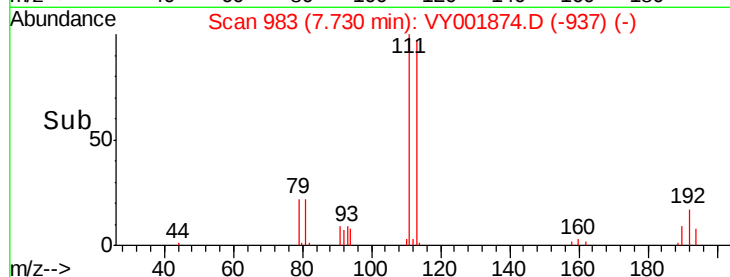
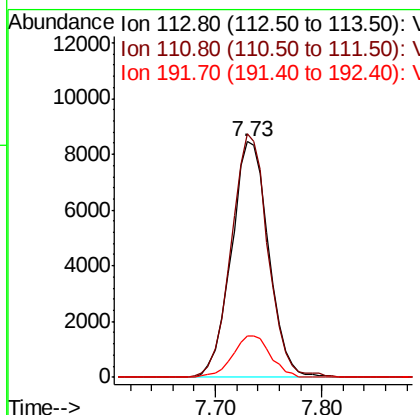
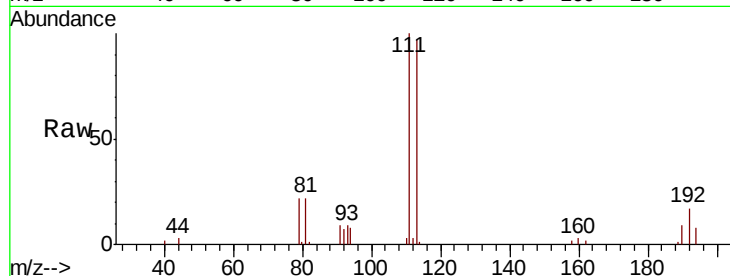




#35
 Dibromofluoromethane
 Concen: 50.225 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001874.D
 Acq: 05 Mar 2020 12:21

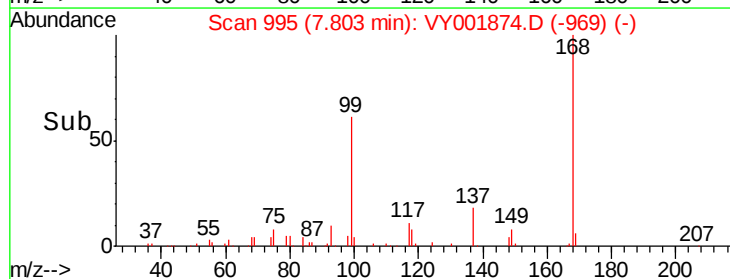
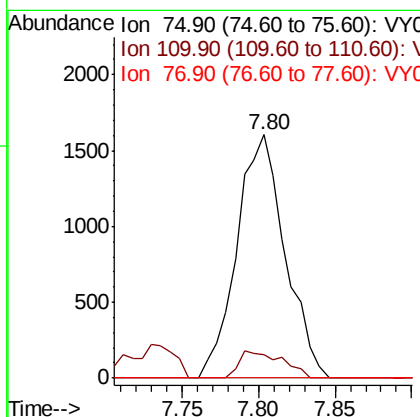
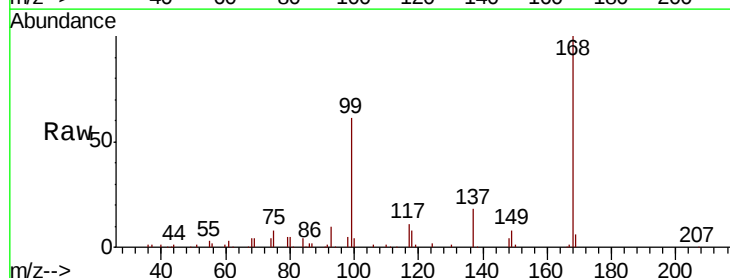
Instrument :
 MSVOA_Y
 ClientSampled :

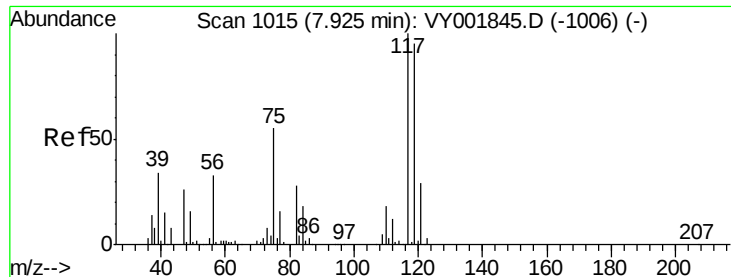
Tot Ion:113 Resp: 20738
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 17.9 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.826 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001874.D
 Acq: 05 Mar 2020 12:21

Tgt Ion: 75 Resp: 3512
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.4 52.2#
 77 0.0 24.2 36.2#

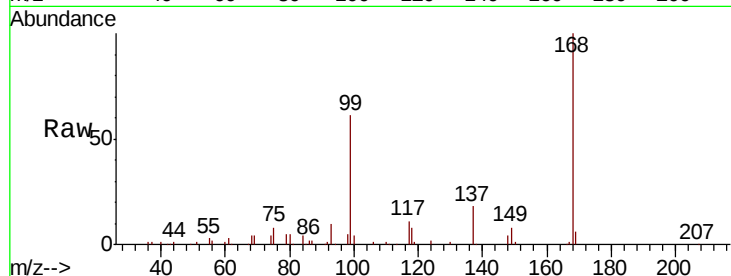




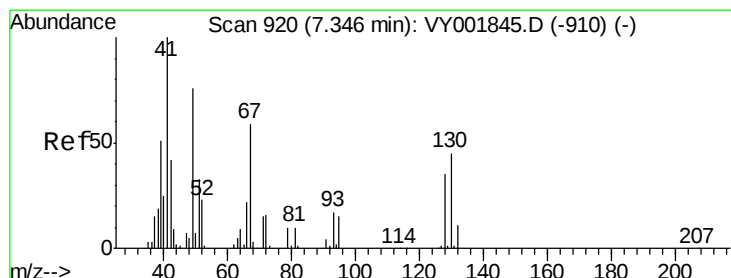
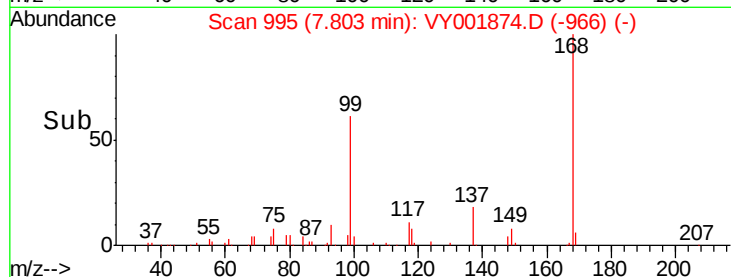
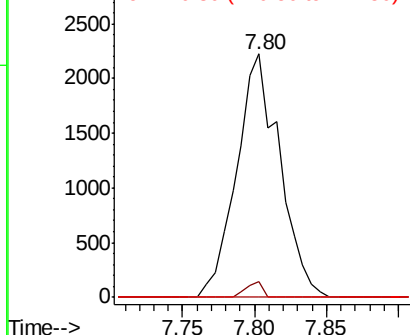
#38
Carbon Tetrachloride
Concen: 7.399 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY001874.D
Acq: 05 Mar 2020 12:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 4599
Ion Ratio Lower Upper
117 100
119 6.5 76.3 114.5#
121 0.0 23.5 35.3#

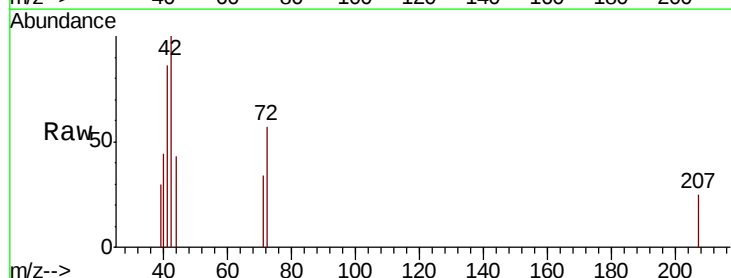


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

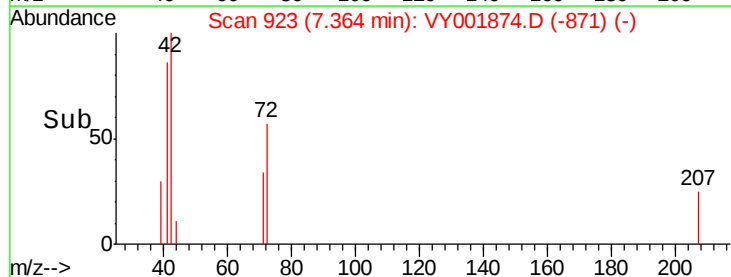
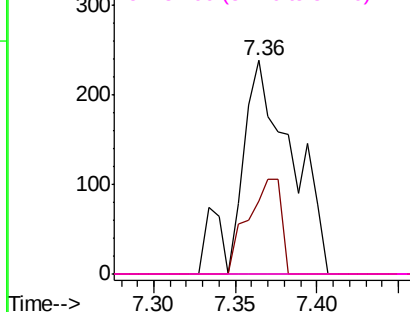


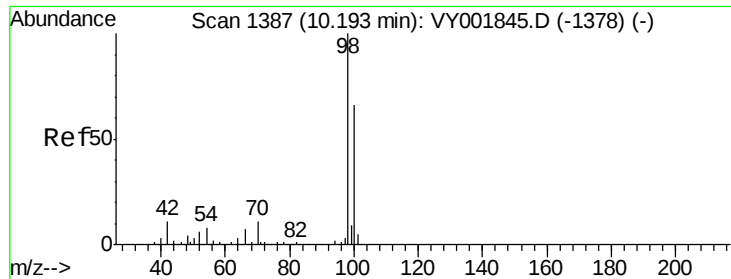
#41
Methacrylonitrile
Concen: 2.779 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY001874.D
Acq: 05 Mar 2020 12:21

Tgt Ion: 41 Resp: 529
Ion Ratio Lower Upper
41 100
39 28.4 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 50.641 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001874.D

Acq: 05 Mar 2020 12:21

Instrument :

MSVOA_Y

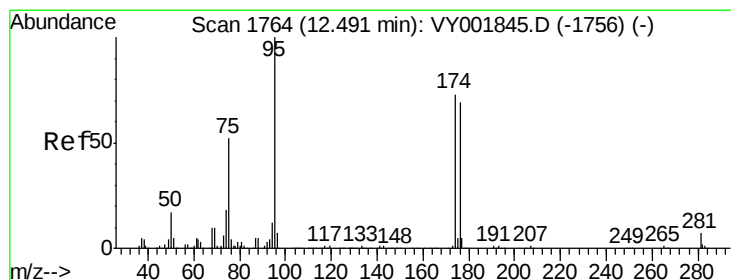
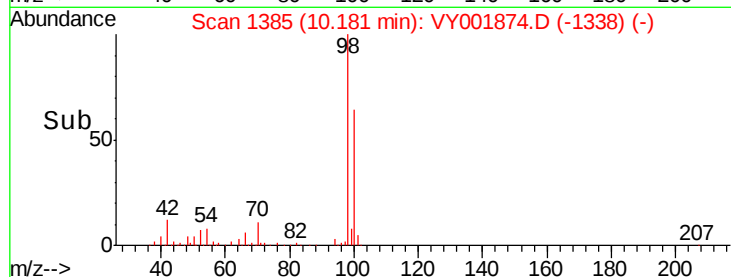
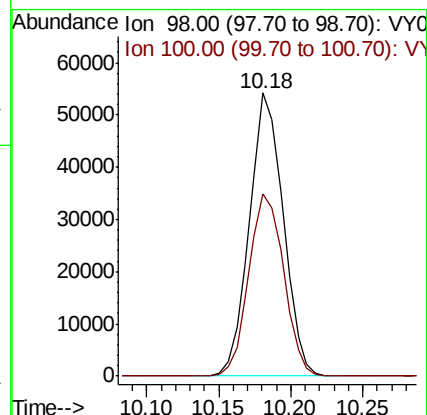
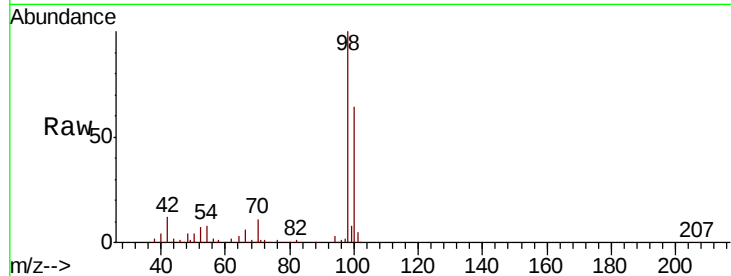
ClientSampled :

Tot Ion: 98 Resp: 88173

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 42.792 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001874.D

Acq: 05 Mar 2020 12:21

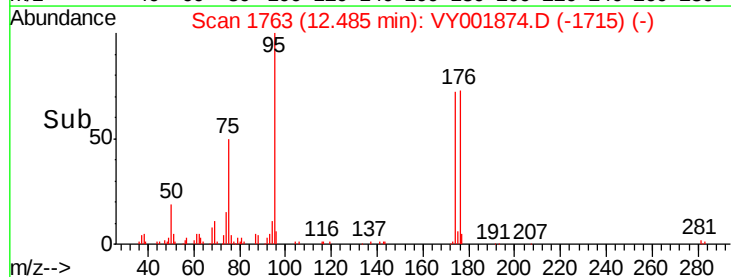
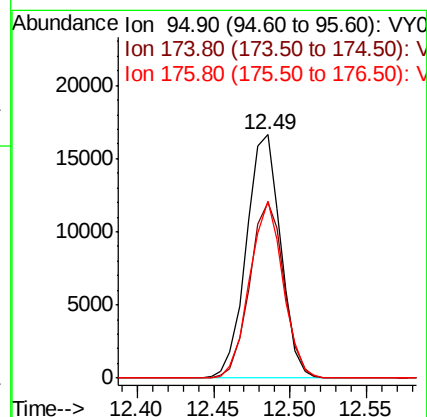
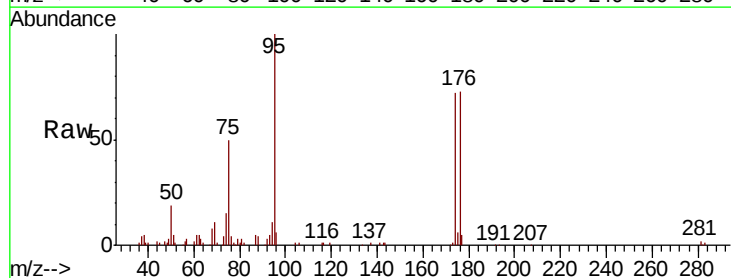
Tgt Ion: 95 Resp: 25907

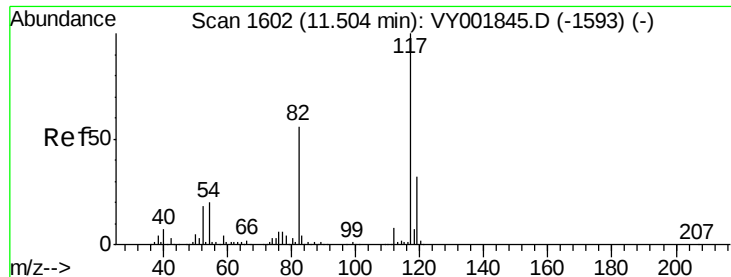
Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.0

176 70.8 0.0 137.4

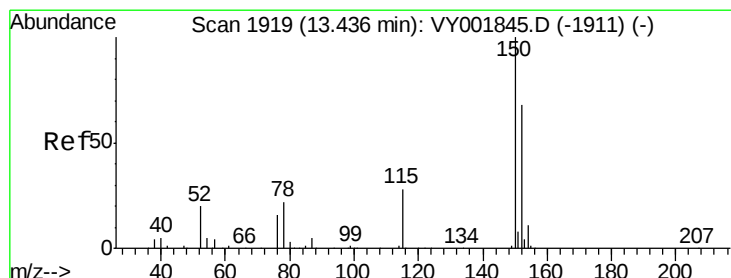
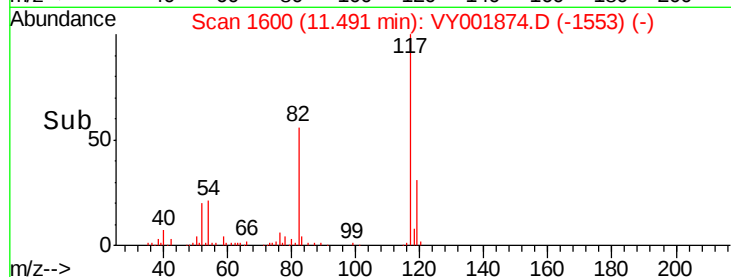
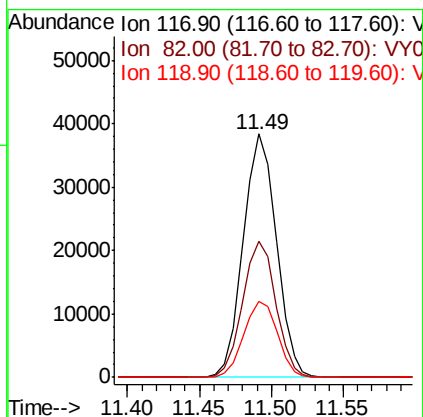
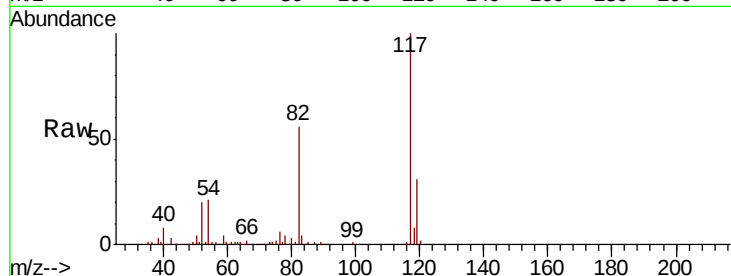




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001874.D
Acq: 05 Mar 2020 12:21

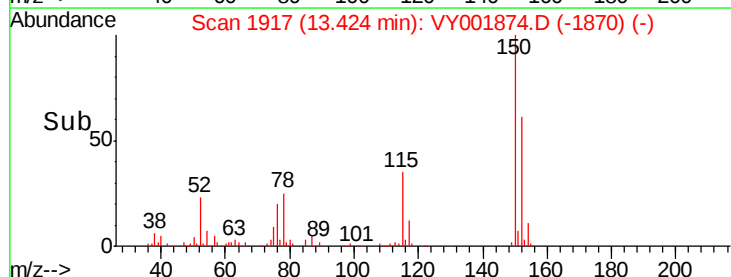
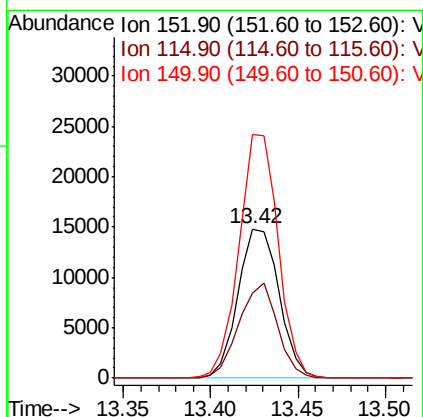
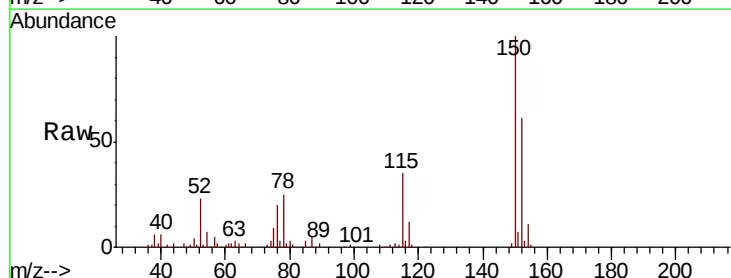
Instrument :
MSVOA_Y
ClientSampleId :

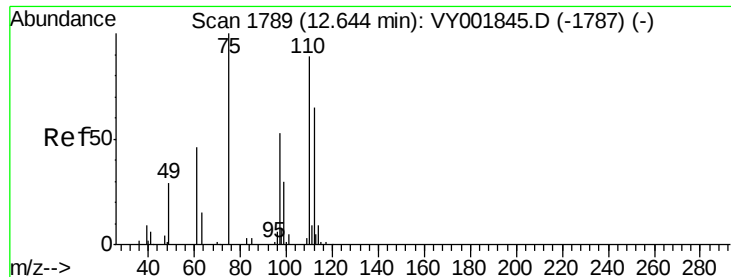
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.5	66.7
119	31.0	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY001874.D
Acq: 05 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.9	89.7
150	155.0	0.0	340.6





#76

1,2,3-Trichloropropane

Concen: 43.628 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001874.D

Acq: 05 Mar 2020 12:21

Instrument :

MSVOA_Y

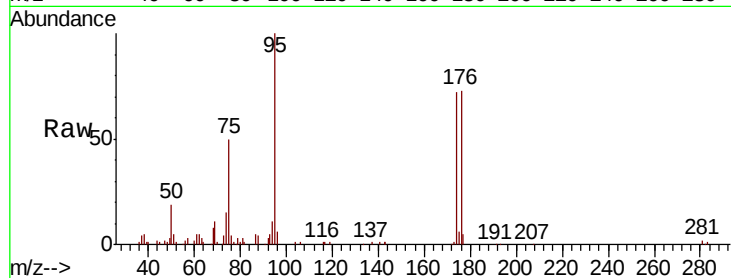
ClientSampleId :

Tot Ion: 75 Resp: 12549

Ion Ratio Lower Upper

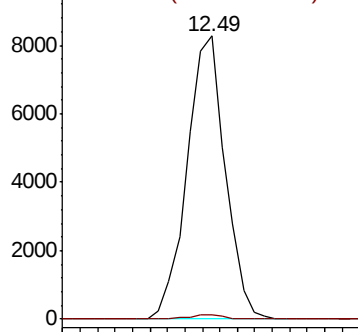
75 100

77 1.4 0.0 0.0#

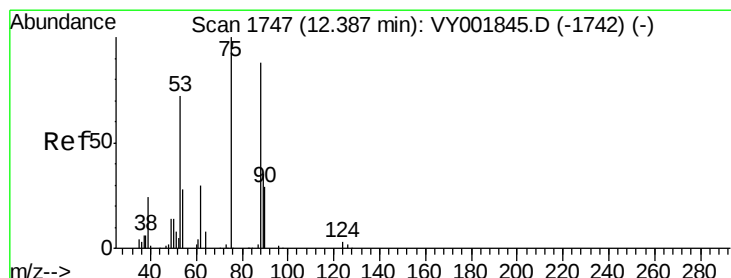
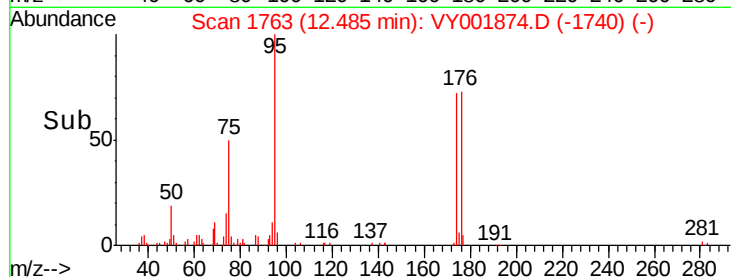


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 88.127 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001874.D

Acq: 05 Mar 2020 12:21

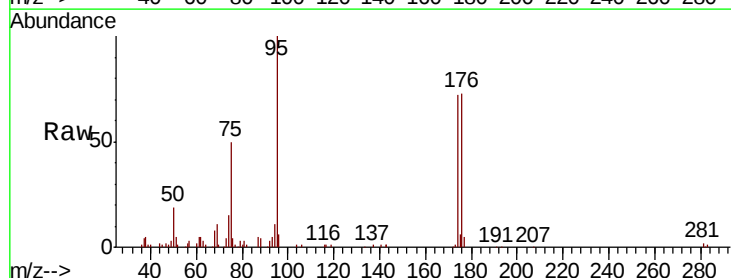
Tgt Ion: 75 Resp: 12549

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

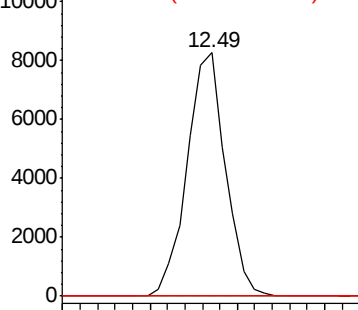
89 0.0 36.0 54.0#



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



Time--> 12.40 12.45 12.50 12.55

