

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002320.D
 Acq On : 14 Apr 2020 19:32
 Operator : SY/MD
 Sample : L2230-27RE
 Misc : 5.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:37:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	138998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	278099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	237483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	84619	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	80130	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	7.74	113	83103	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.19	98	330646	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.49	95	96028	42.02	ug/l	0.00
Spiked Amount			Recovery	=	84.04%	

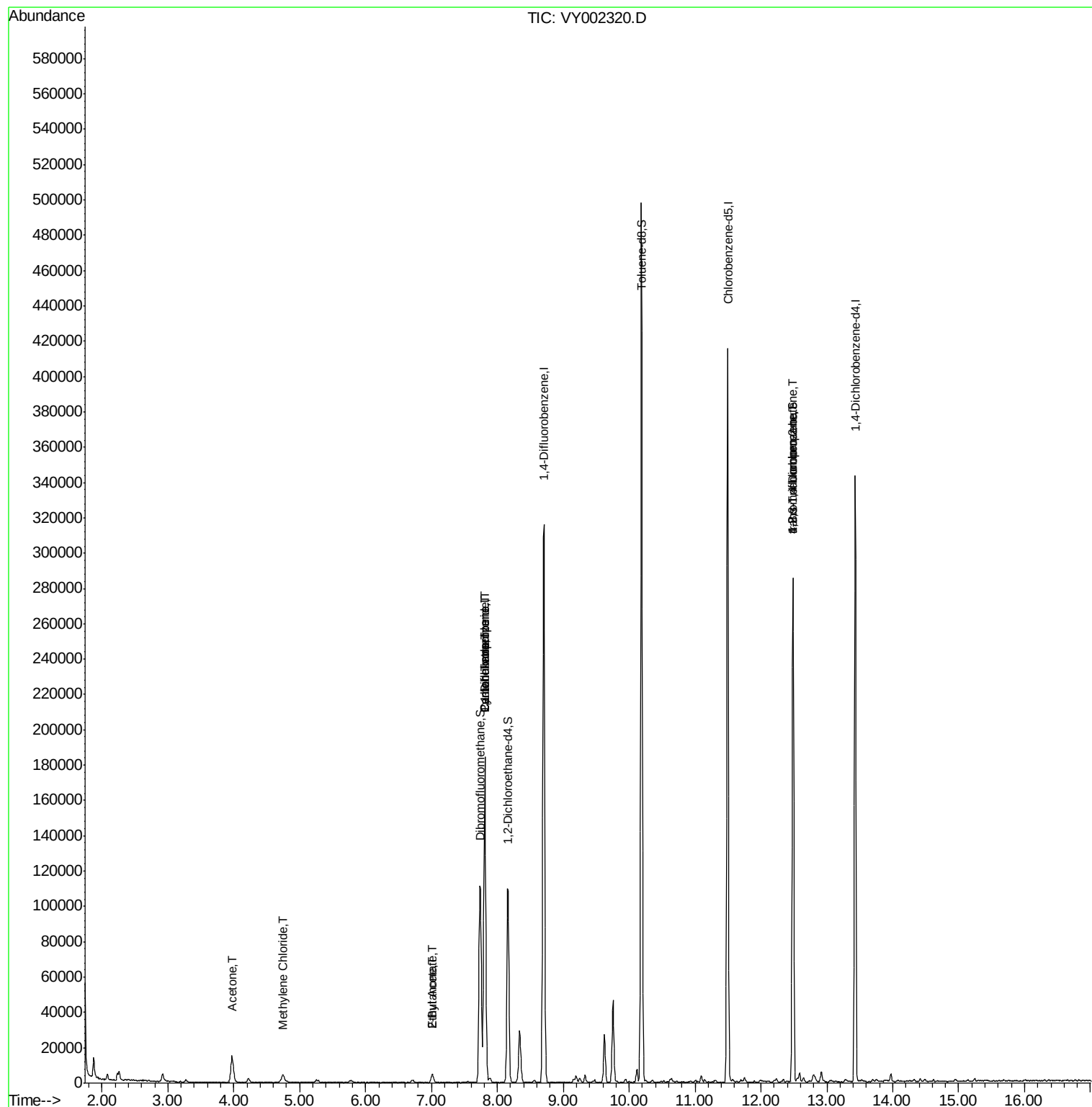
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	21	Below Cal	#	77
16) Acetone	3.97	43	26236	64.442	ug/l	98
20) Methylene Chloride	4.75	84	2809	1.404	ug/l #	83
25) 2-Butanone	7.02	43	6269	9.730	ug/l	96
31) Cyclohexane	7.81	56	3394	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11674	4.262	ug/l #	49
37) Ethyl Acetate	7.02	43	6269	4.006	ug/l #	75
38) Carbon Tetrachloride	7.81	117	14561	6.215	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	45917	46.729	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	45917	90.888	ug/l #	19

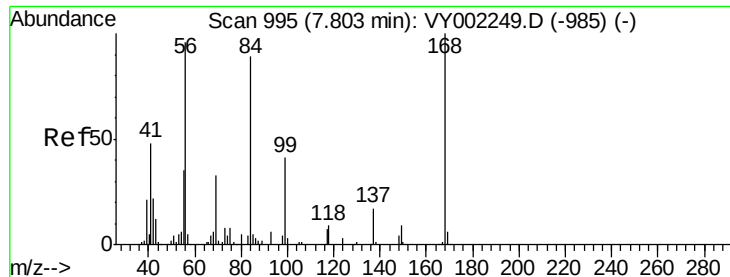
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

Instrument :

MSVOA_Y

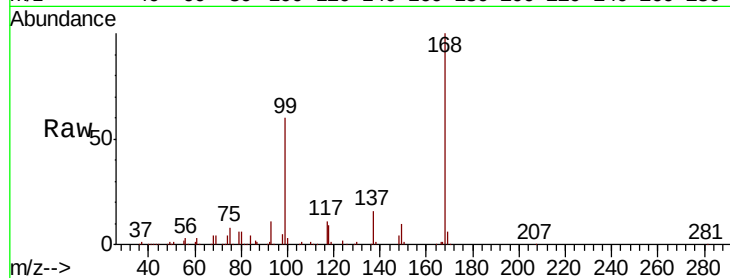
ClientSampleId :

Tot Ion:168 Resp: 138998

Ion Ratio Lower Upper

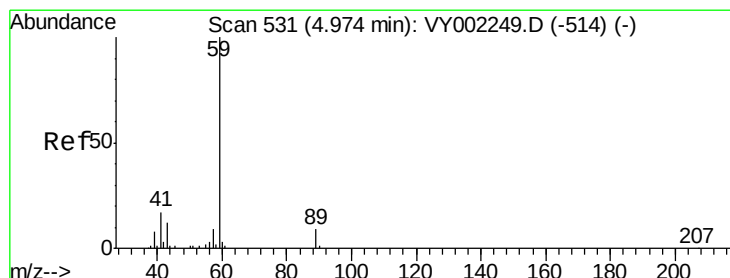
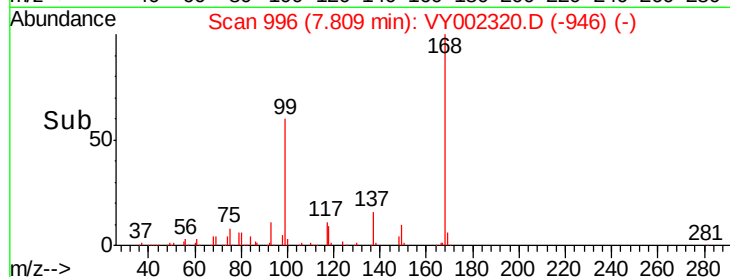
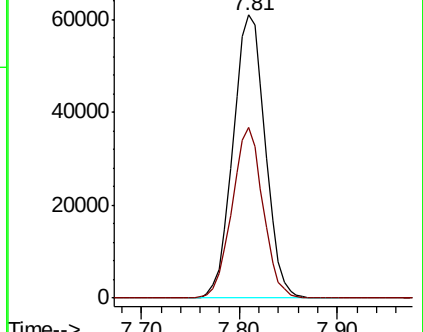
168 100

99 60.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002320.D

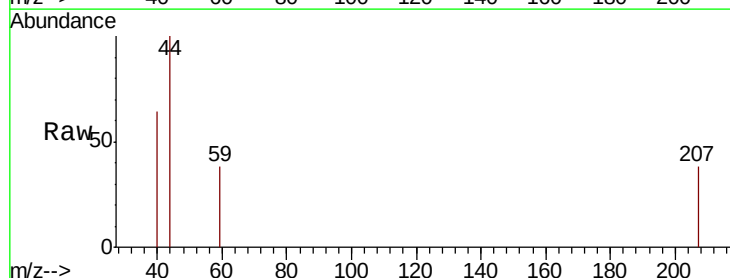
Acq: 14 Apr 2020 19:32

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

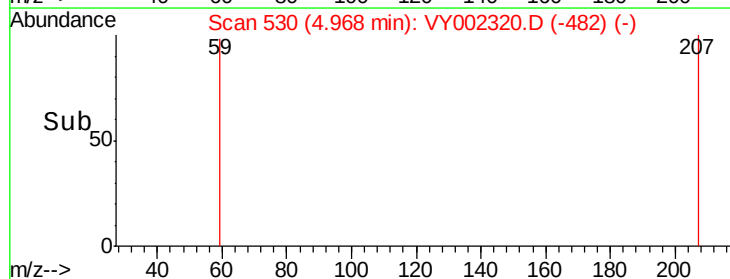
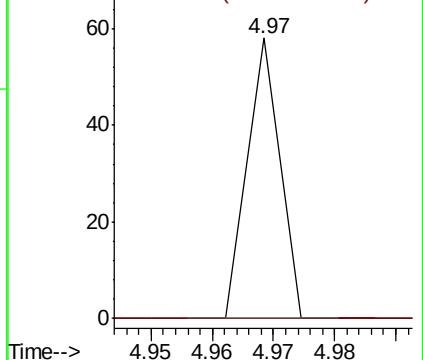
59 100

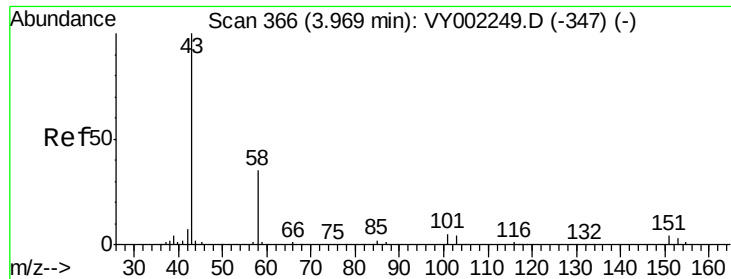
57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

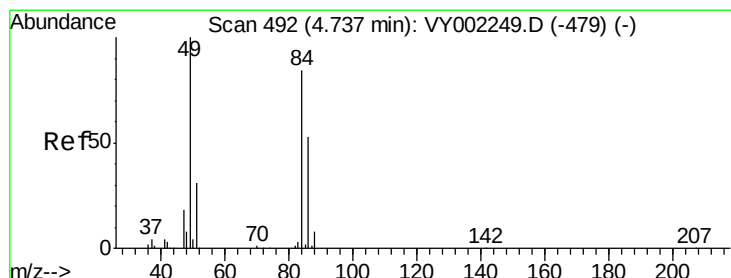
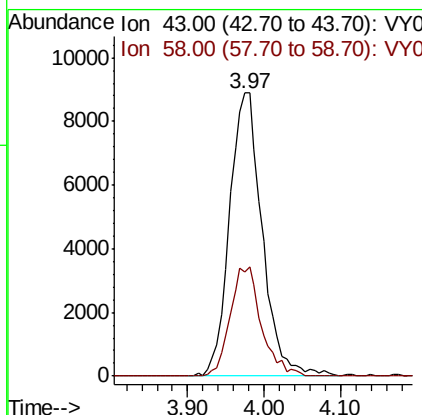
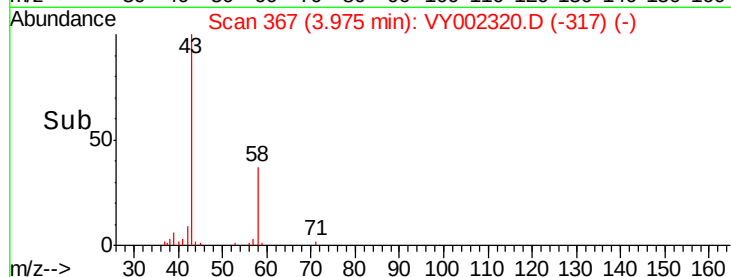
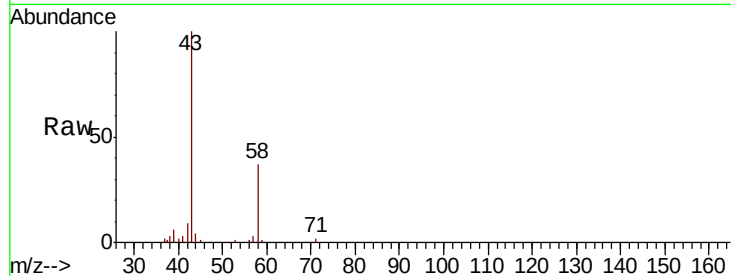




#16
Acetone
Concen: 64.442 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VY002320.D
Acq: 14 Apr 2020 19:32

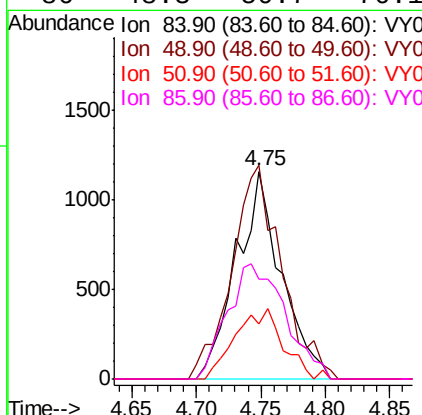
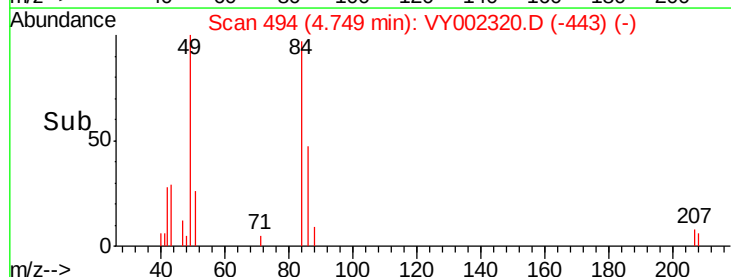
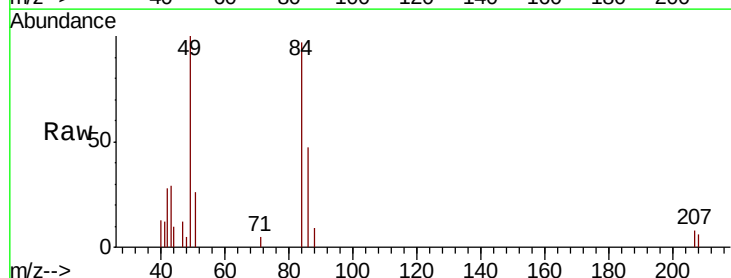
Instrument :
MSVOA_Y
ClientSampleId :

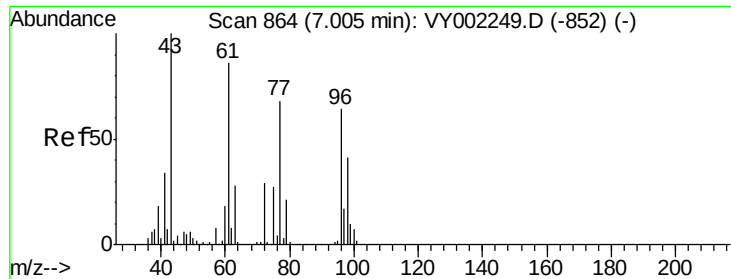
Tot Ion: 43 Resp: 26236
Ion Ratio Lower Upper
43 100
58 36.6 28.5 42.7



#20
Methylene Chloride
Concen: 1.404 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002320.D
Acq: 14 Apr 2020 19:32

Tgt Ion: 84 Resp: 2809
Ion Ratio Lower Upper
84 100
49 102.8 95.5 143.3
51 26.6 29.5 44.3#
86 48.3 50.7 76.1#





#25

2-Butanone

Concen: 9.730 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

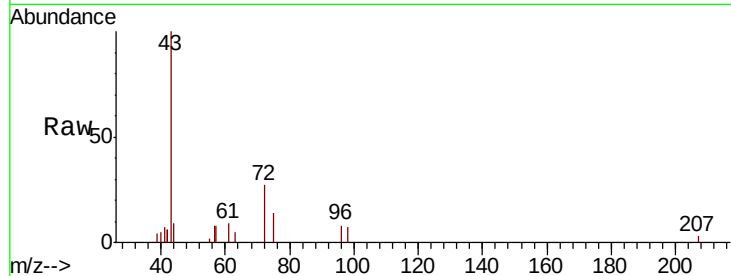
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 6269

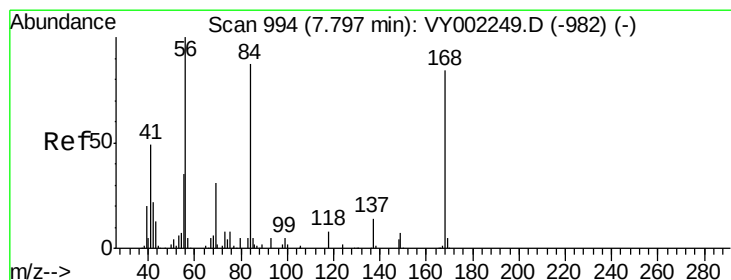
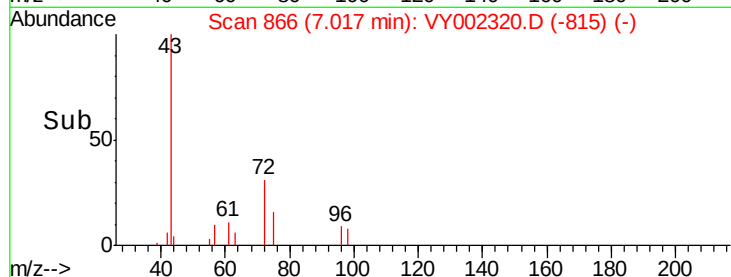
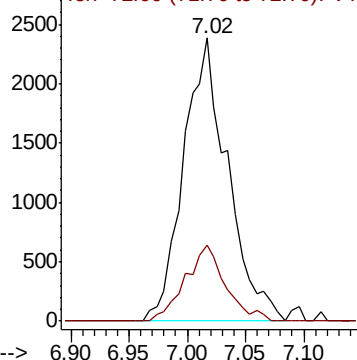
Ion Ratio Lower Upper

43 100

72 27.0 23.2 34.8



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



#31

Cyclohexane

Concen: 1.042 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

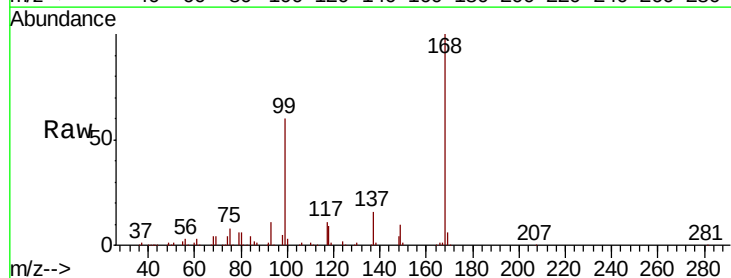
Tgt Ion: 56 Resp: 3394

Ion Ratio Lower Upper

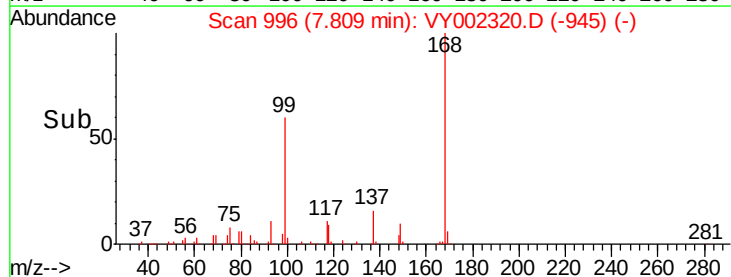
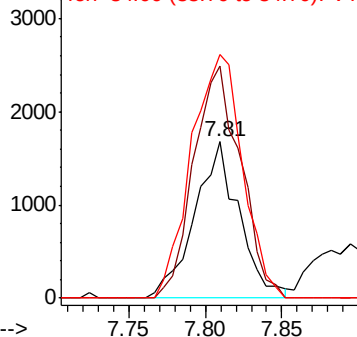
56 100

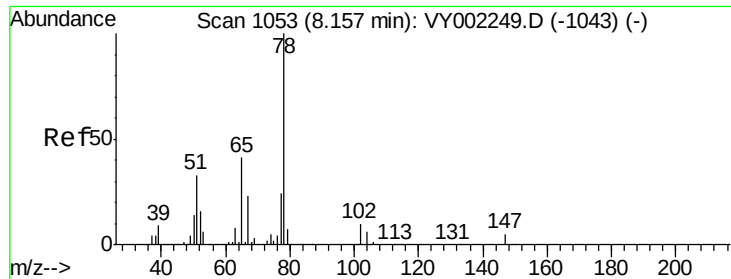
69 148.7 25.0 37.6#

84 155.7 69.7 104.5#



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

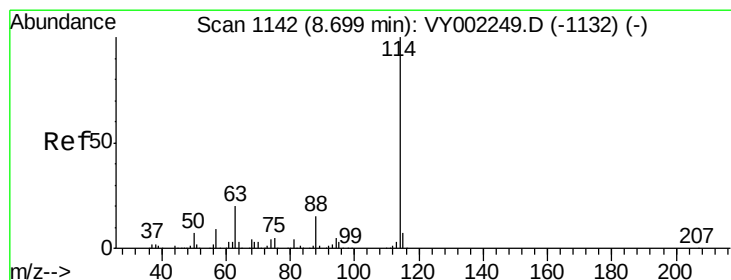
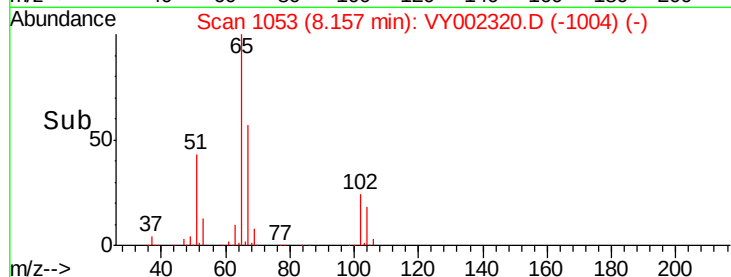
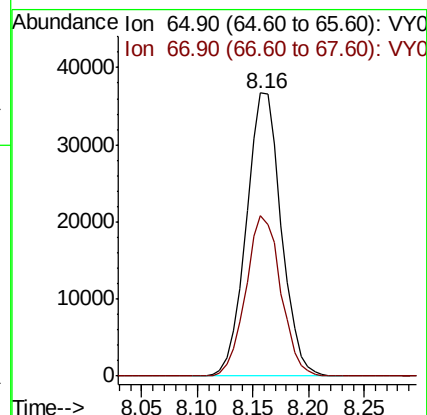
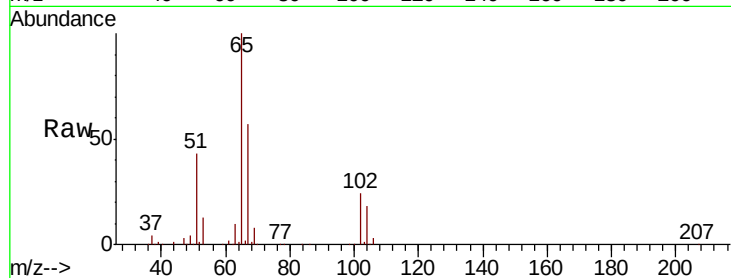




#33
 1,2-Dichloroethane-d4
 Concen: 51.839 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY002320.D
 Acq: 14 Apr 2020 19:32

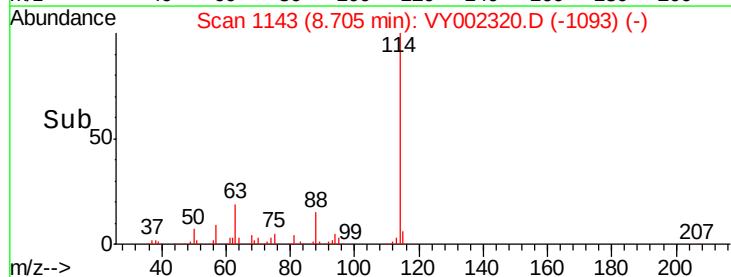
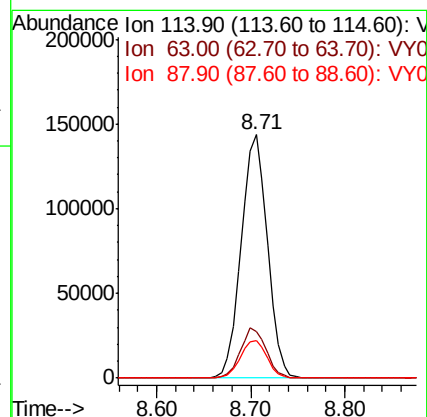
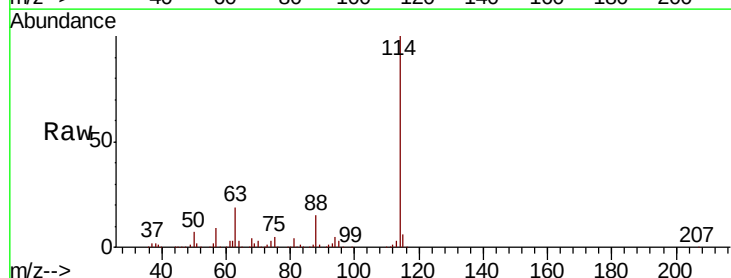
Instrument :
 MSVOA_Y
 ClientSampleId :

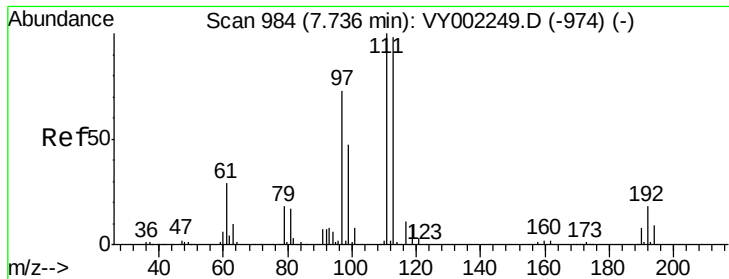
Tot Ion: 65 Resp: 80130
 Ion Ratio Lower Upper
 65 100
 67 56.9 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002320.D
 Acq: 14 Apr 2020 19:32

Tgt Ion: 114 Resp: 278099
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.220 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

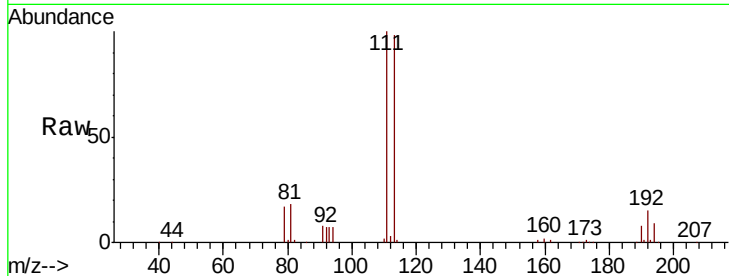
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:113 Resp: 83103

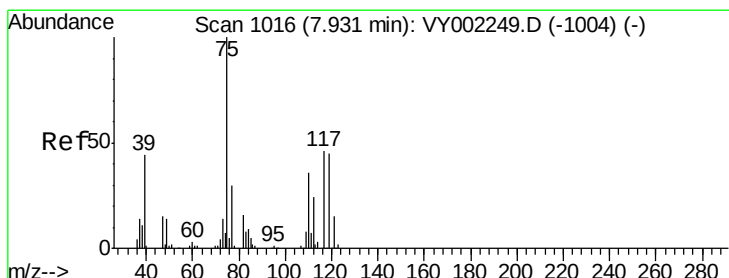
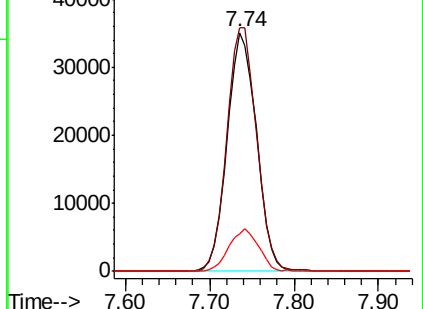
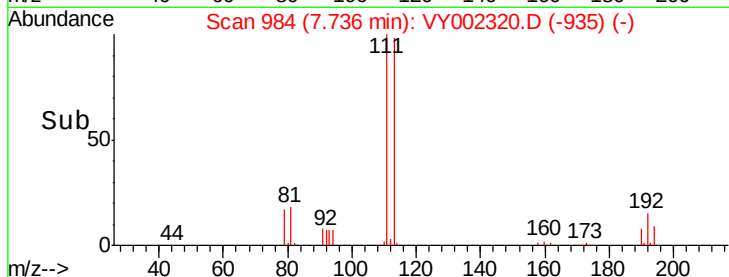
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.5	125.3
192	17.9	14.7	22.1



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: 4.262 ug/l

RT: 7.81 min Scan# 996

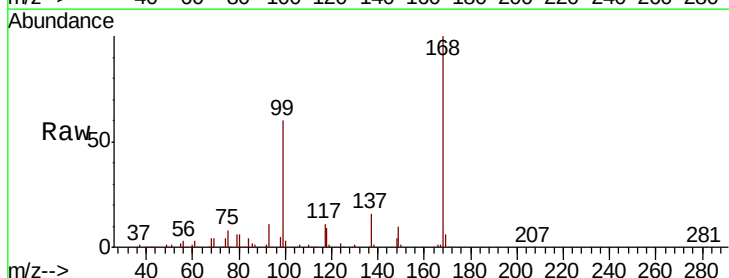
Delta R.T. -0.12 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

Tgt Ion: 75 Resp: 11674

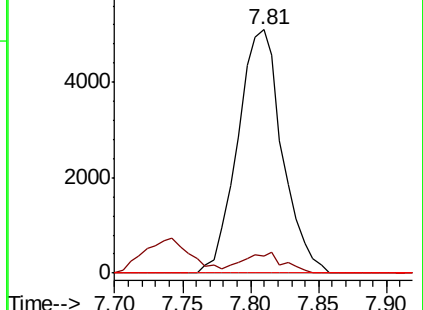
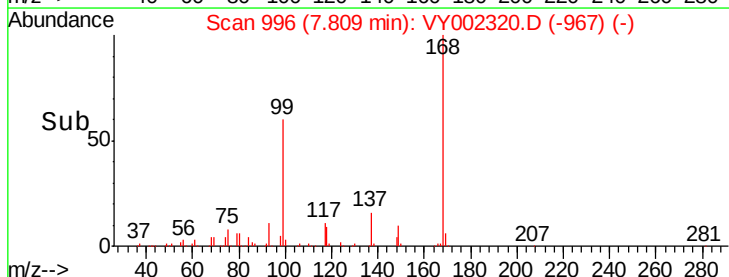
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.8	53.3#
77	0.0	24.4	36.6#

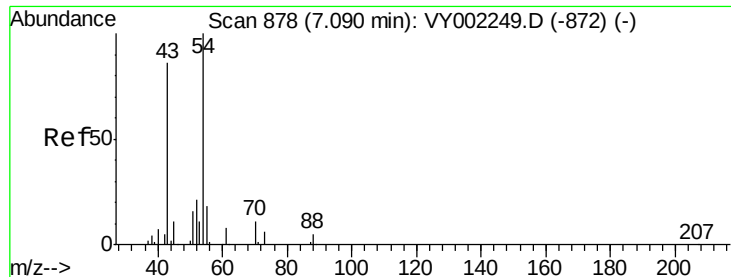


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

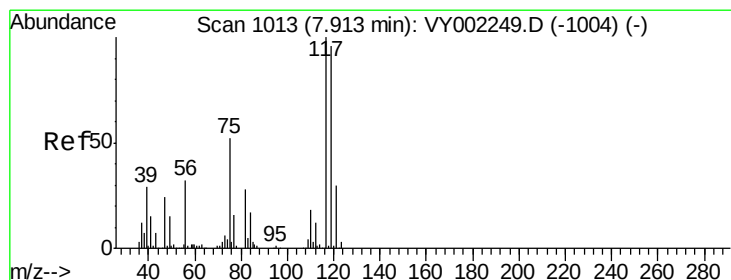
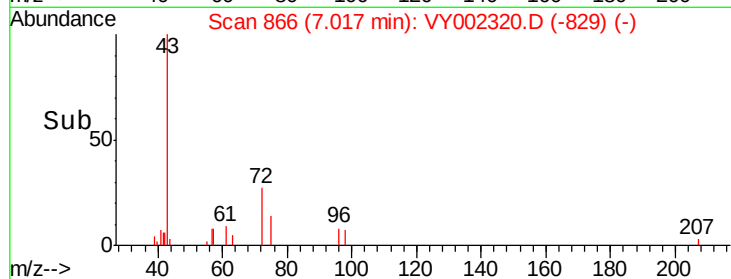
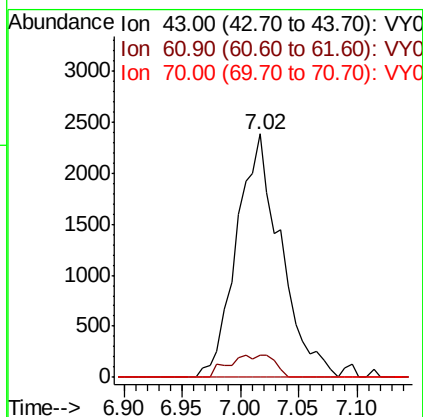
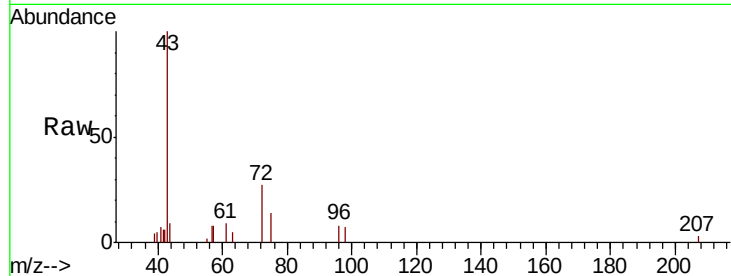




#37
Ethyl Acetate
Concen: 4.006 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.07 min
Lab File: VY002320.D
Acq: 14 Apr 2020 19:32

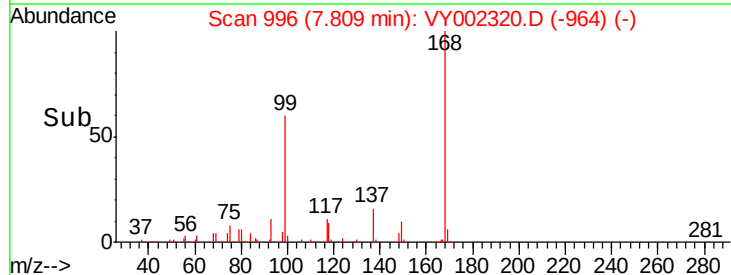
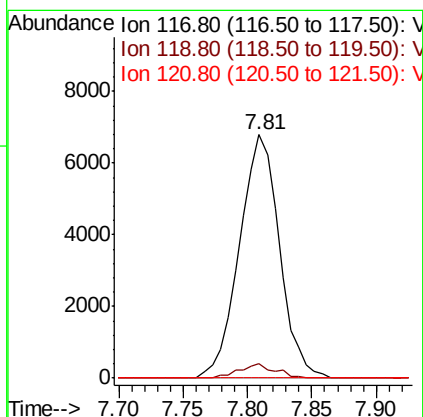
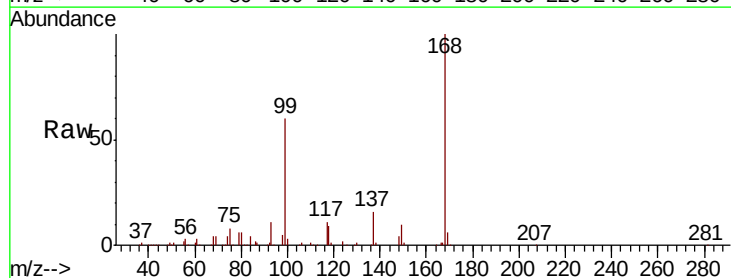
Instrument :
MSVOA_Y
ClientSampleId :

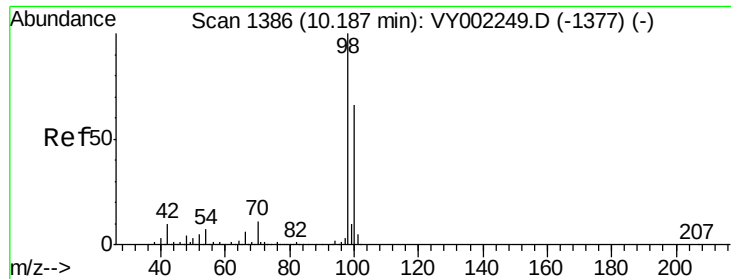
Tot Ion: 43 Resp: 6269
Ion Ratio Lower Upper
43 100
61 5.6 11.8 17.6#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 6.215 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY002320.D
Acq: 14 Apr 2020 19:32

Tgt Ion: 117 Resp: 14561
Ion Ratio Lower Upper
117 100
119 5.8 77.1 115.7#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 47.738 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

Instrument :

MSVOA_Y

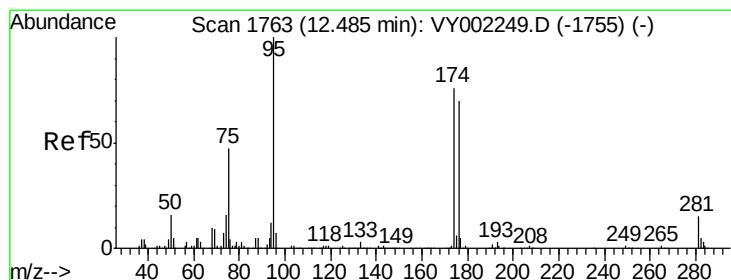
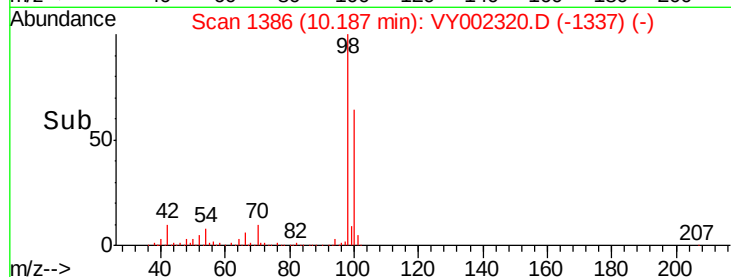
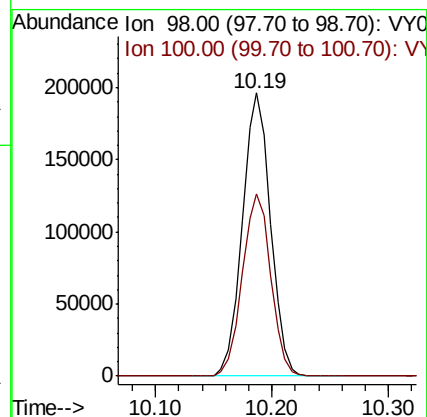
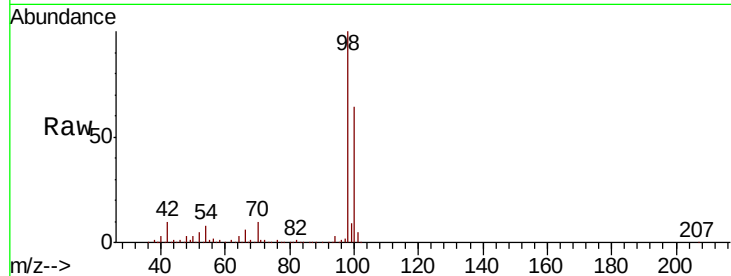
ClientSampleId :

Tot Ion: 98 Resp: 330646

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 42.024 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

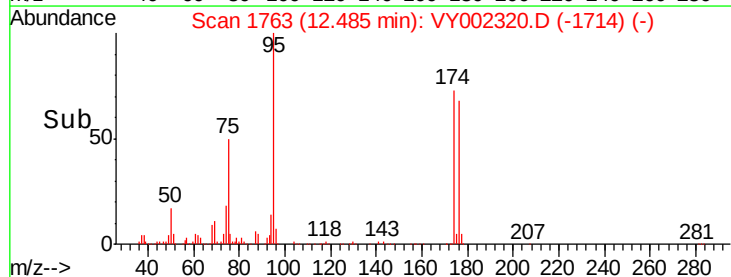
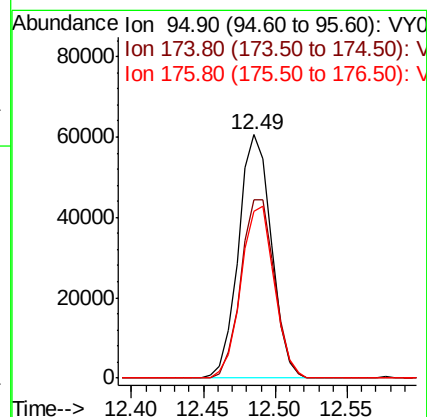
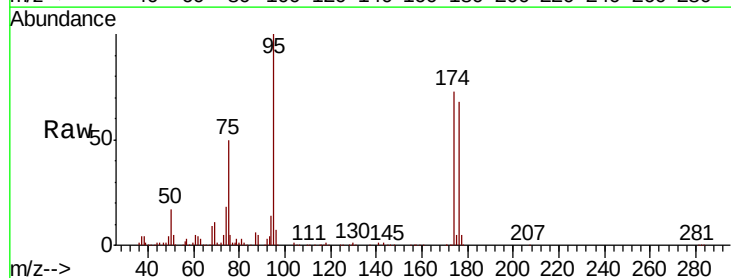
Tgt Ion: 95 Resp: 96028

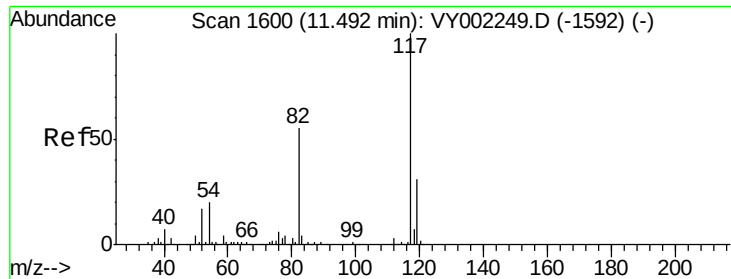
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.6

176 71.6 0.0 141.4

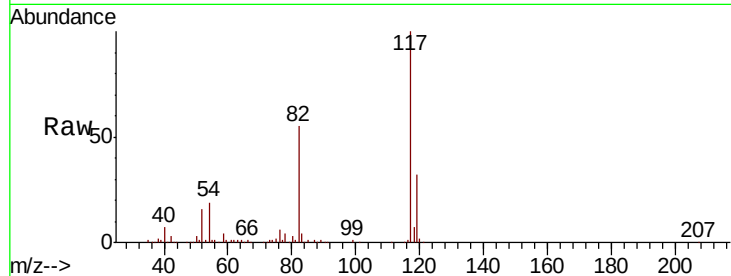




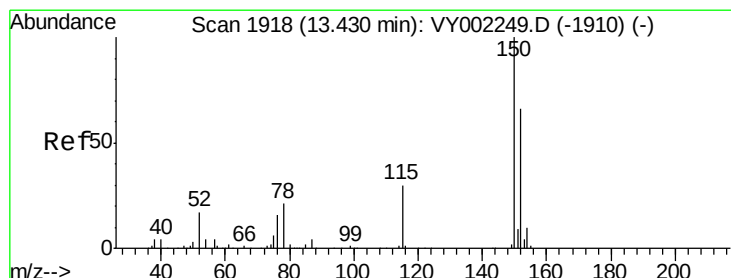
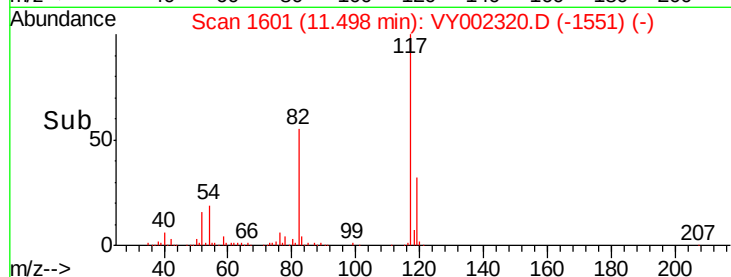
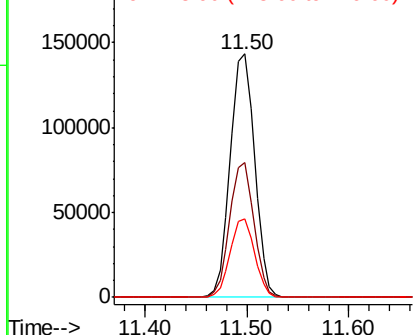
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002320.D
Acq: 14 Apr 2020 19:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 237483
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.4
119 32.5 25.1 37.7

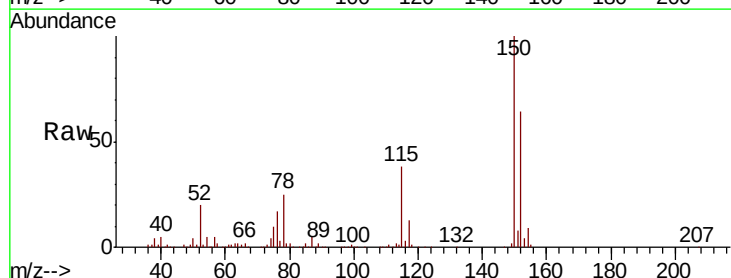


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

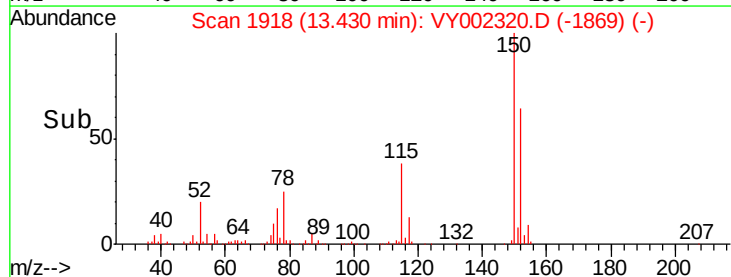
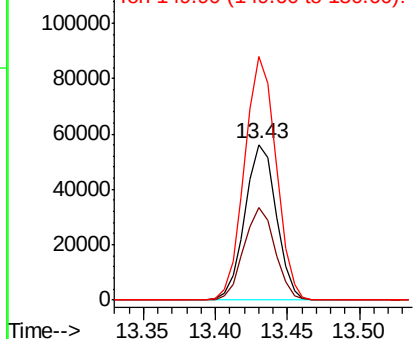


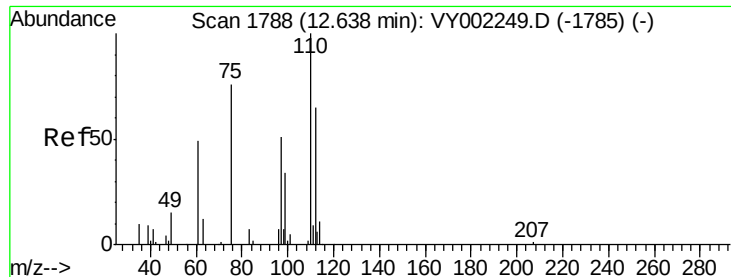
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002320.D
Acq: 14 Apr 2020 19:32

Tgt Ion:152 Resp: 84619
Ion Ratio Lower Upper
152 100
115 59.1 30.7 92.1
150 157.5 0.0 350.6



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





#76

1,2,3-Trichloropropane

Concen: 46.729 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

Instrument :

MSVOA_Y

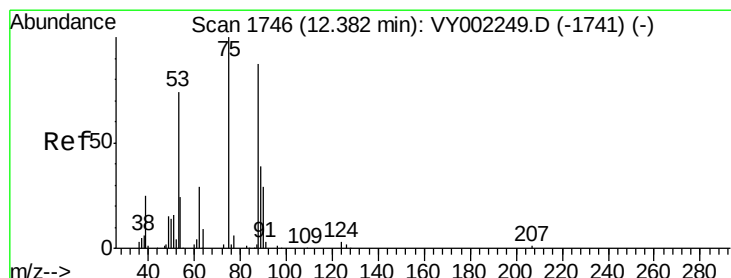
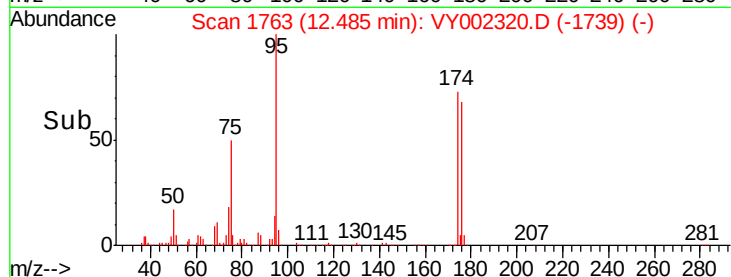
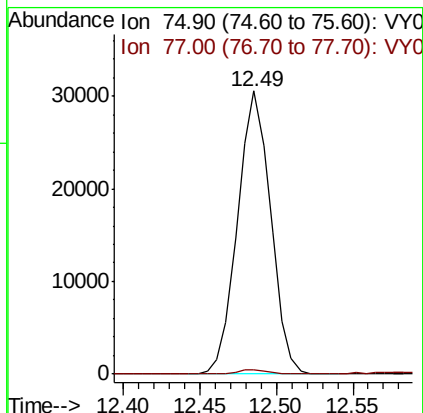
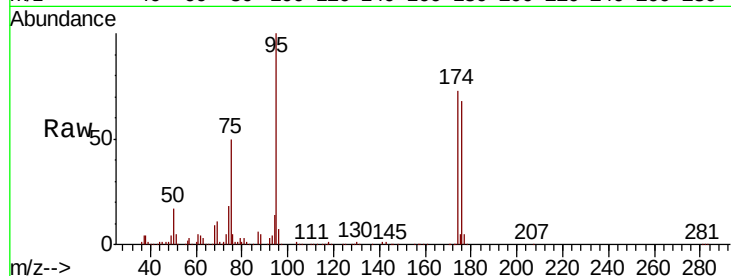
ClientSampleId :

Tot Ion: 75 Resp: 45917

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.888 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002320.D

Acq: 14 Apr 2020 19:32

Tgt Ion: 75 Resp: 45917

Ion Ratio Lower Upper

75 100

53 0.1 59.8 89.8#

89 0.0 37.0 55.6#

