

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002237.D
 Acq On : 06 Apr 2020 15:16
 Operator : SY/MD
 Sample : L2172-02
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:25:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	132429	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	263008	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	247435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	112500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	82229	56.17	ug/l	-0.01
Spiked Amount			Recovery	=	112.34%	
35) Dibromofluoromethane	7.73	113	78393	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
50) Toluene-d8	10.18	98	325543	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.49	95	115113	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	

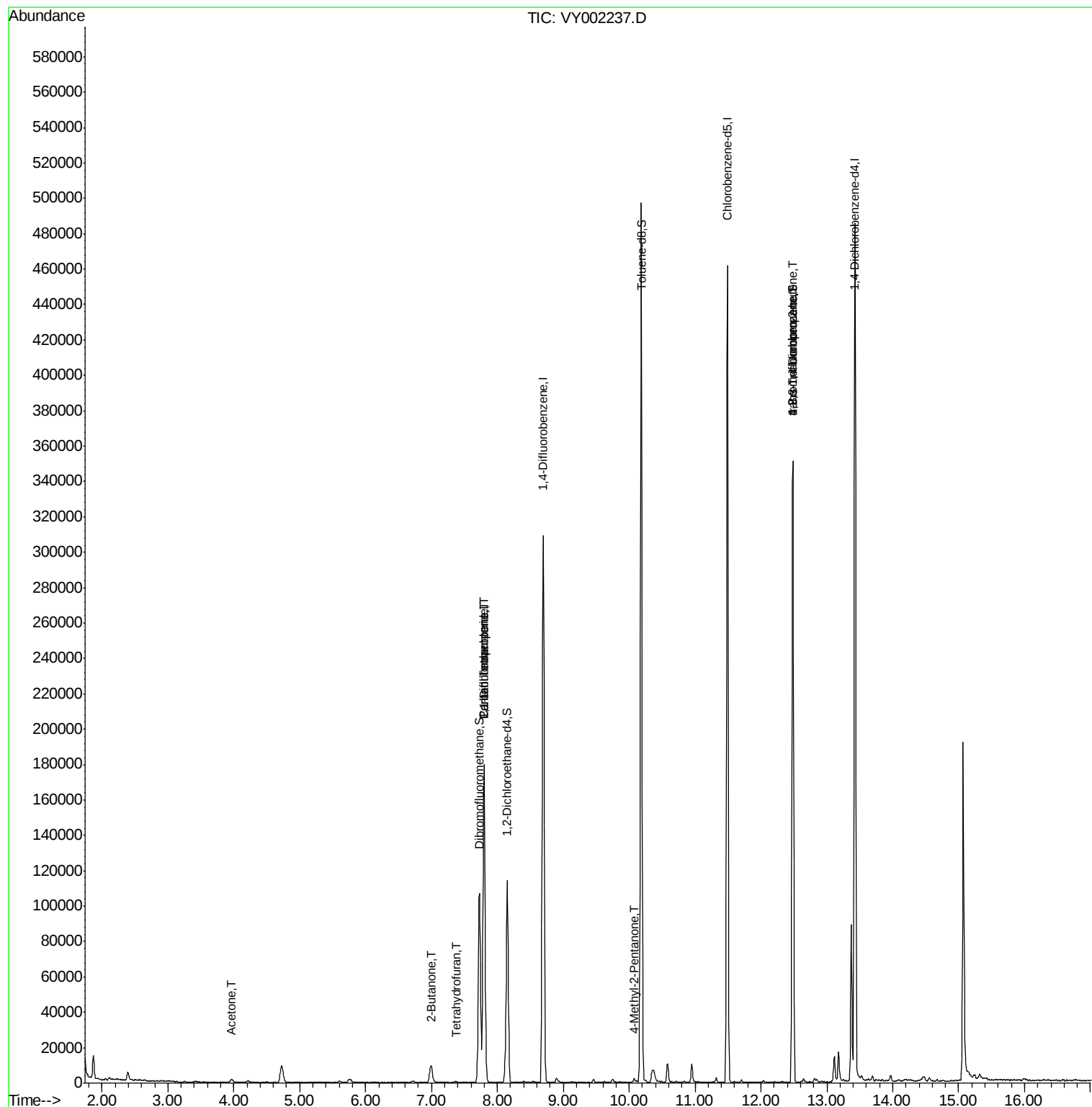
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	111	Below Cal	#	53
16) Acetone	3.96	43	3213	7.812	ug/l	89
20) Methylene Chloride	4.74	84	7636	Below Cal	#	84
25) 2-Butanone	7.01	43	1118	1.770	ug/l	98
29) Tetrahydrofuran	7.38	42	480	1.159	ug/l	# 62
36) 1,1-Dichloropropene	7.80	75	11377	4.573	ug/l	# 48
38) Carbon Tetrachloride	7.80	117	13601	6.444	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.07	43	1837	1.279	ug/l	# 82
76) 1,2,3-Trichloropropane	12.48	75	57595	45.768	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	57595	88.668	ug/l	# 17

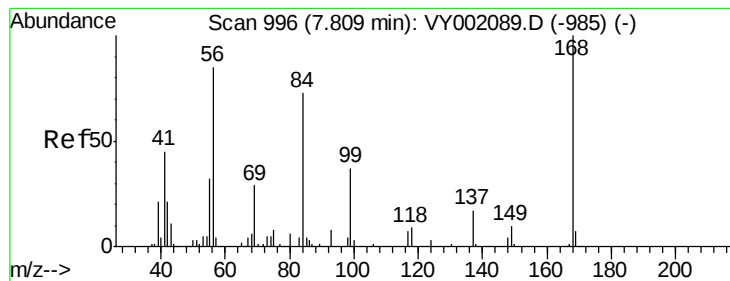
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002237.D

Acq: 06 Apr 2020 15:16

Instrument :

MSVOA_Y

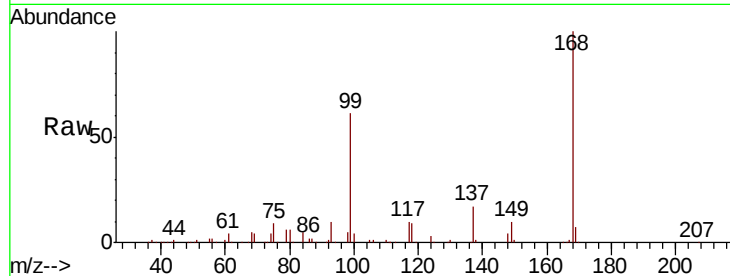
ClientSampleId :

Tot Ion:168 Resp: 132429

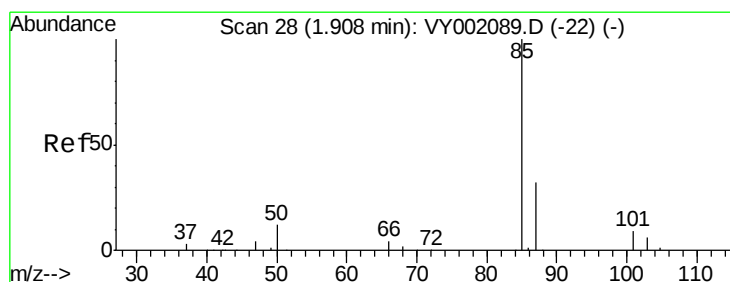
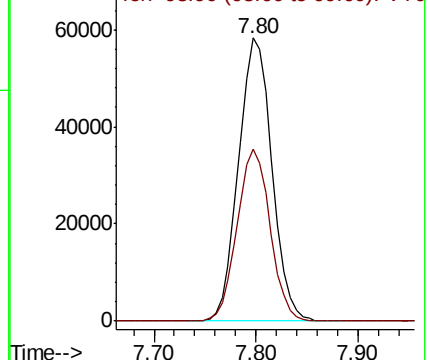
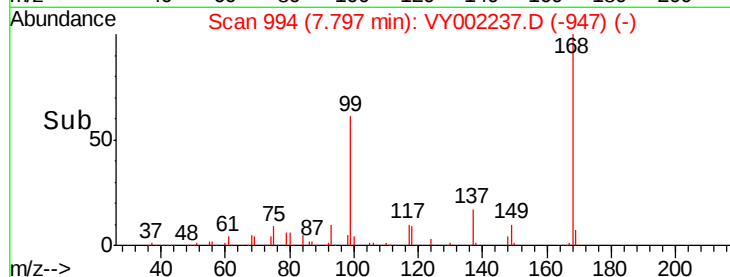
Ion Ratio Lower Upper

168 100

99 60.9 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002237.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002237.D

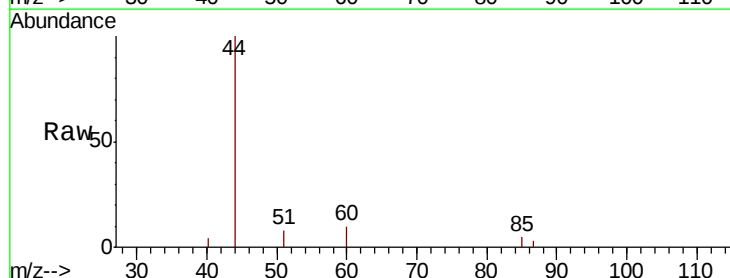
Acq: 06 Apr 2020 15:16

Tgt Ion: 85 Resp: 111

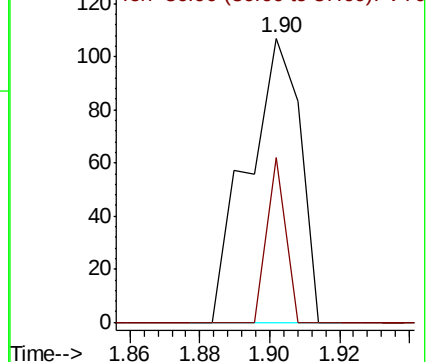
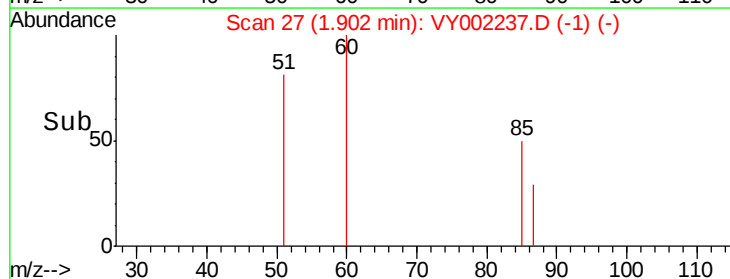
Ion Ratio Lower Upper

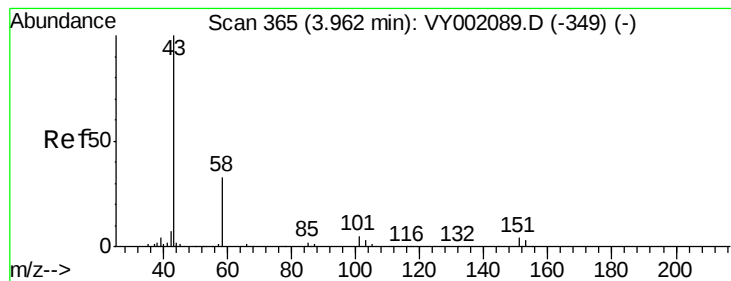
85 100

87 57.9 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002237.D (-1) (-)





#16

Acetone

Concen: 7.812 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002237.D

Acq: 06 Apr 2020 15:16

Instrument :

MSVOA_Y

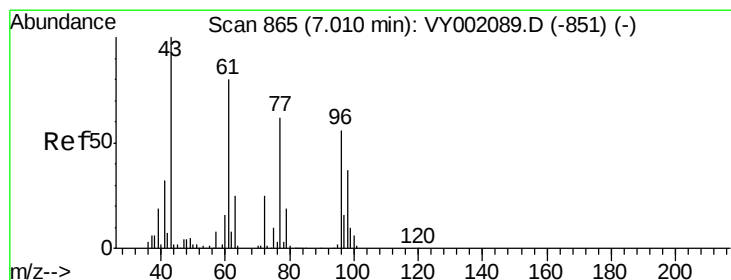
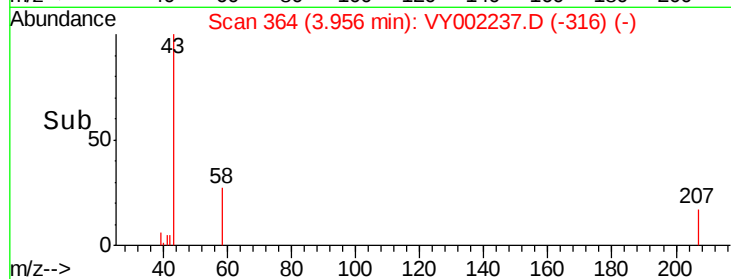
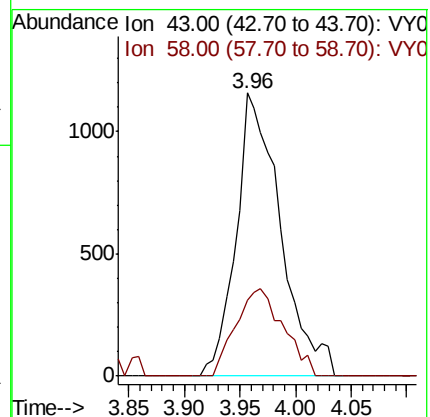
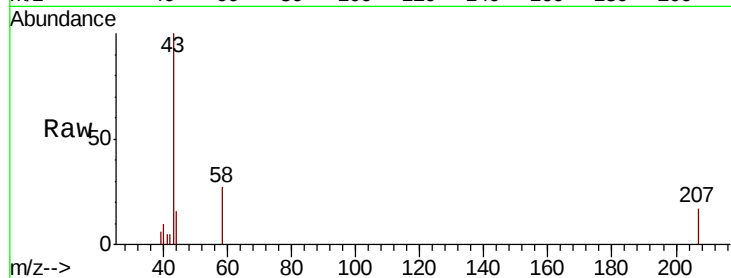
ClientSampled :

Tot Ion: 43 Resp: 3213

Ion Ratio Lower Upper

43 100

58 26.9 26.3 39.5



#25

2-Butanone

Concen: 1.770 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002237.D

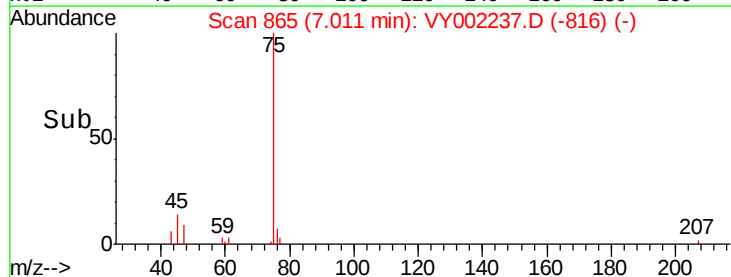
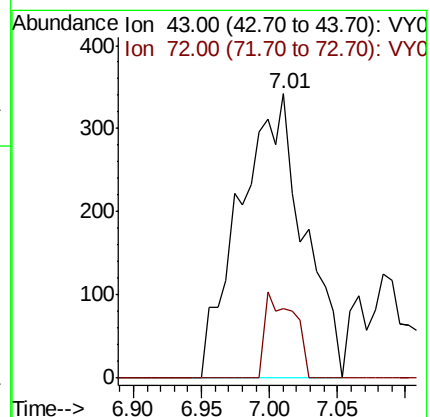
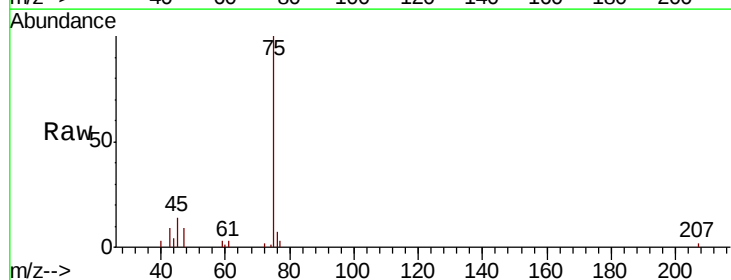
Acq: 06 Apr 2020 15:16

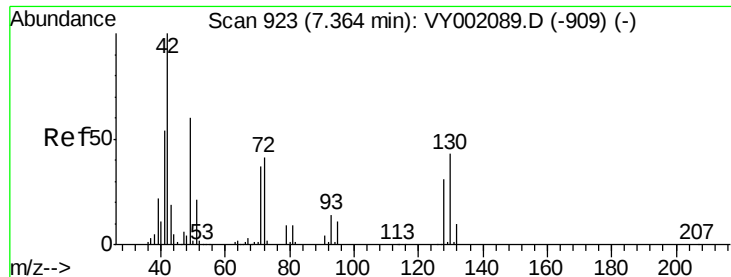
Tgt Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

72 24.0 20.2 30.2

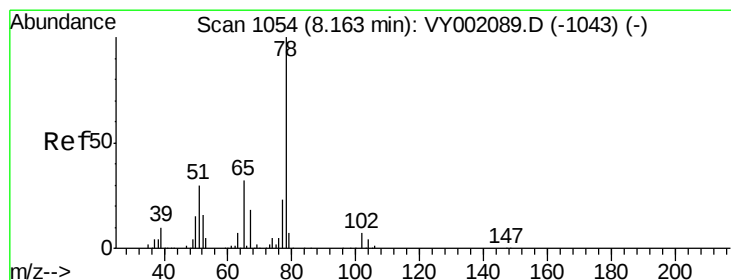
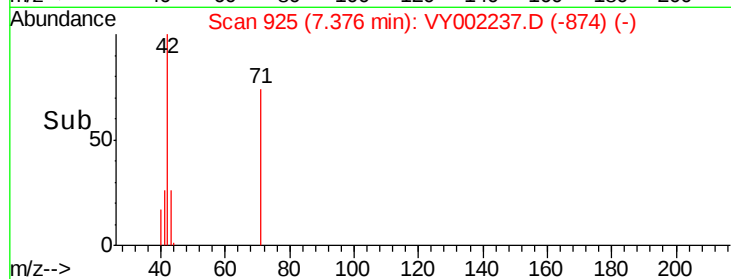
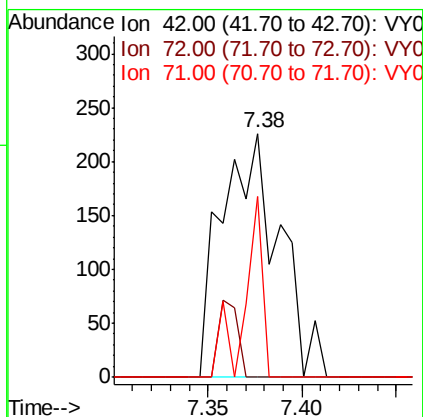
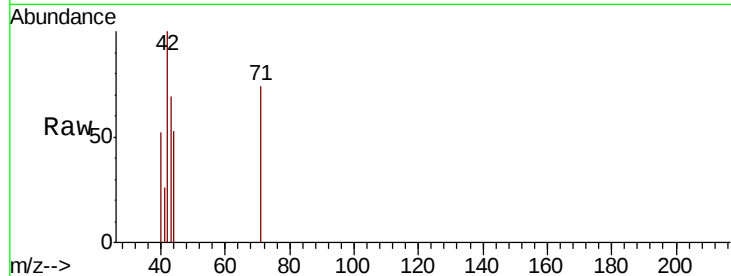




#29
Tetrahydrofuran
Concen: 1.159 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002237.D
Acq: 06 Apr 2020 15:16

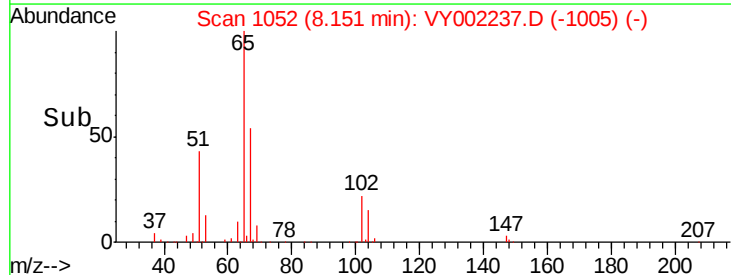
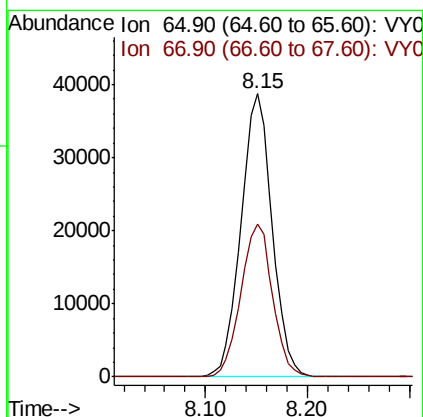
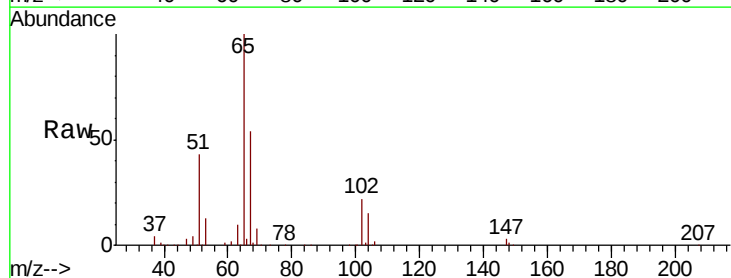
Instrument :
MSVOA_Y
ClientSampleId :

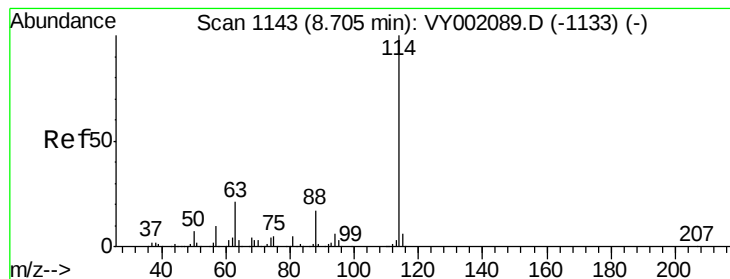
Tot Ion: 42 Resp: 480
Ion Ratio Lower Upper
42 100
72 10.4 33.0 49.4#
71 23.3 31.2 46.8#



#33
1,2-Dichloroethane-d4
Concen: 56.169 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY002237.D
Acq: 06 Apr 2020 15:16

Tgt Ion: 65 Resp: 82229
Ion Ratio Lower Upper
65 100
67 55.0 0.0 112.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002237.D

Acq: 06 Apr 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

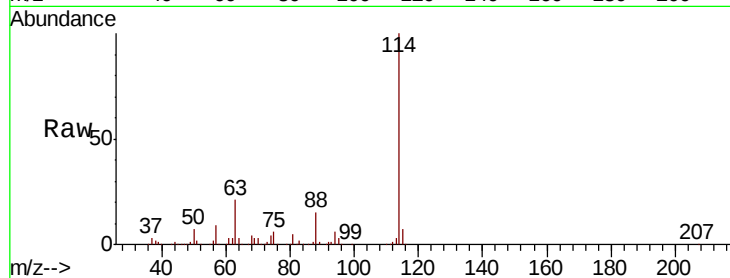
Tot Ion:114 Resp: 263008

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

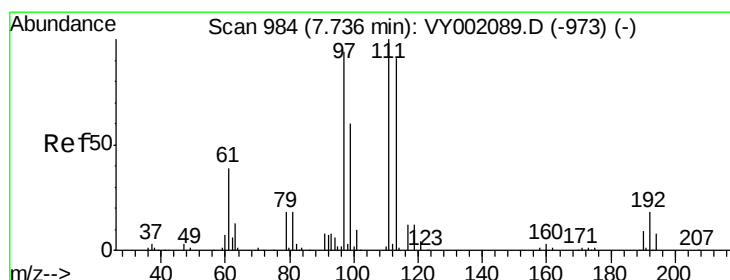
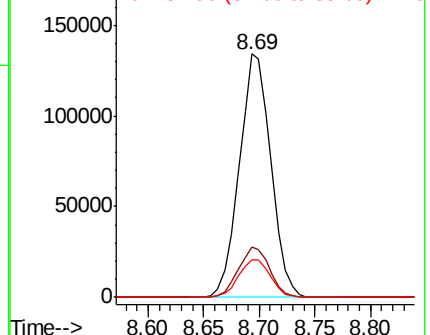
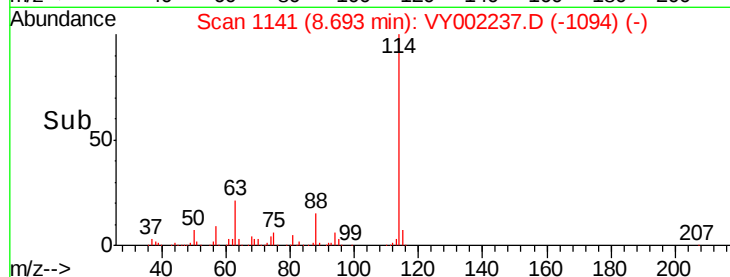
88 15.5 0.0 33.0



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: 53.196 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002237.D

Acq: 06 Apr 2020 15:16

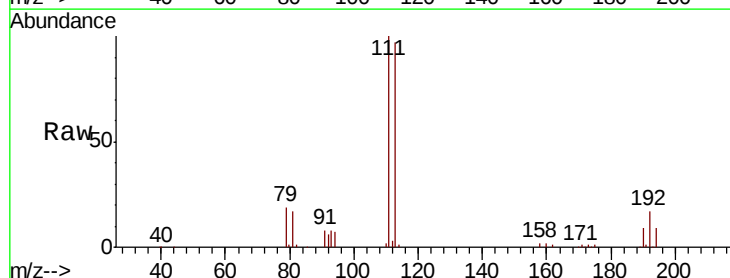
Tgt Ion:113 Resp: 78393

Ion Ratio Lower Upper

113 100

111 102.3 84.4 126.6

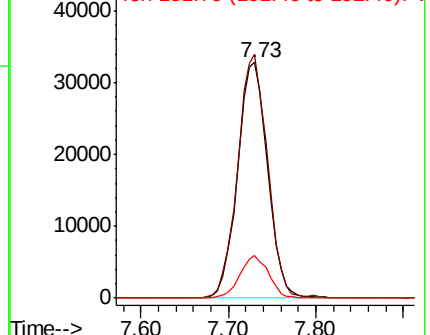
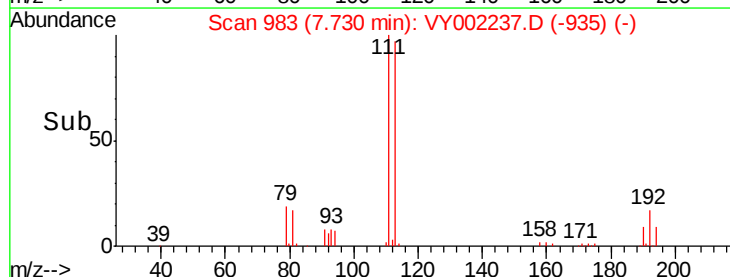
192 17.1 14.6 21.8

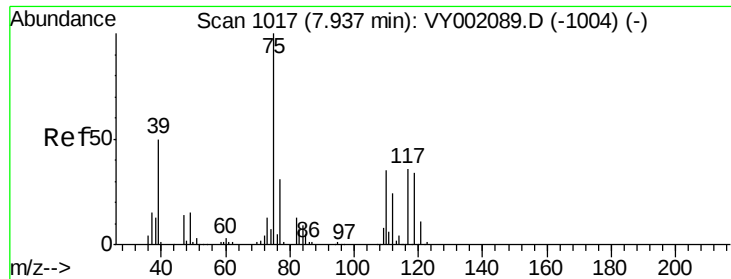


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

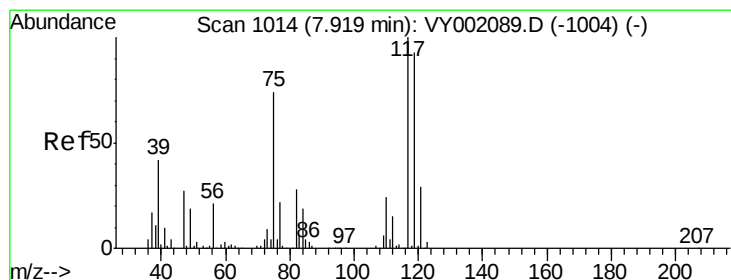
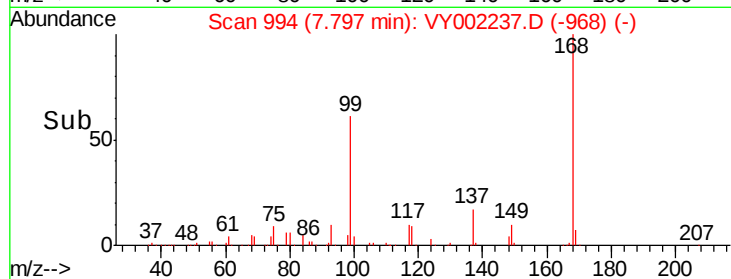
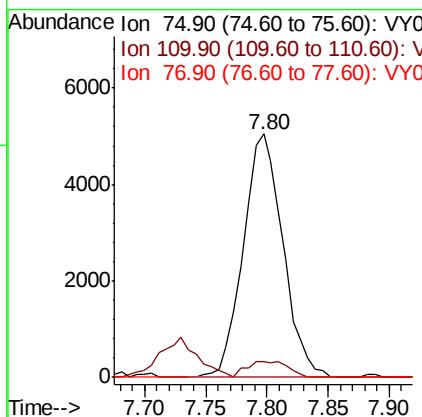
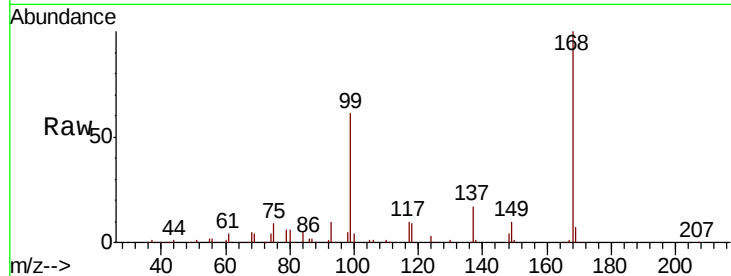




#36
 1,1-Dichloropropene
 Concen: 4.573 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002237.D
 Acq: 06 Apr 2020 15:16

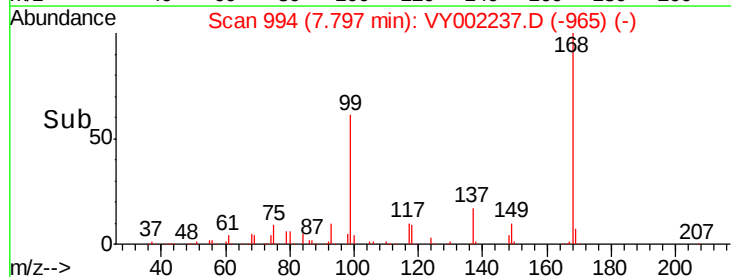
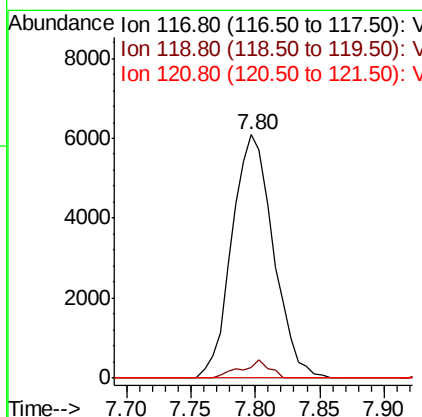
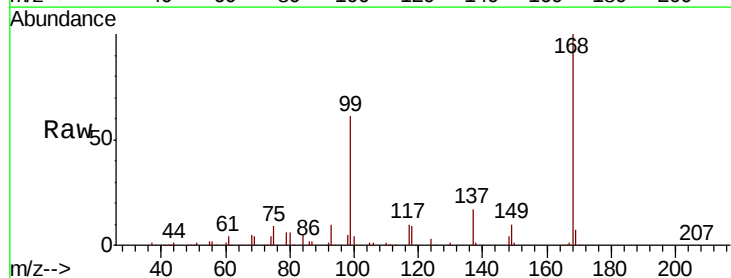
Instrument :
 MSVOA_Y
 ClientSampleId :

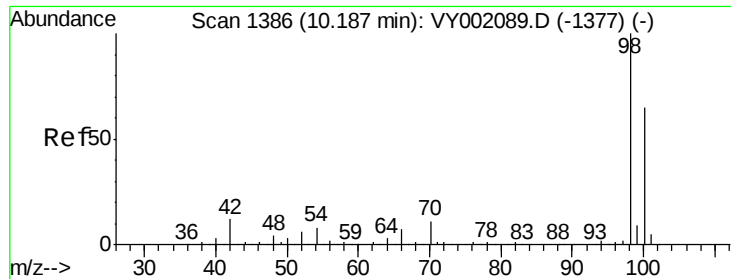
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.444 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002237.D
 Acq: 06 Apr 2020 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 53.176 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002237.D

Acq: 06 Apr 2020 15:16

Instrument :

MSVOA_Y

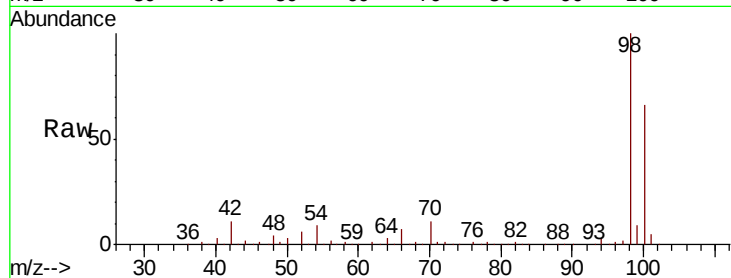
ClientSampleId :

Tot Ion: 98 Resp: 325543

Ion Ratio Lower Upper

98 100

100 65.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002089.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002089.D (-1377) (-)

10.18

200000

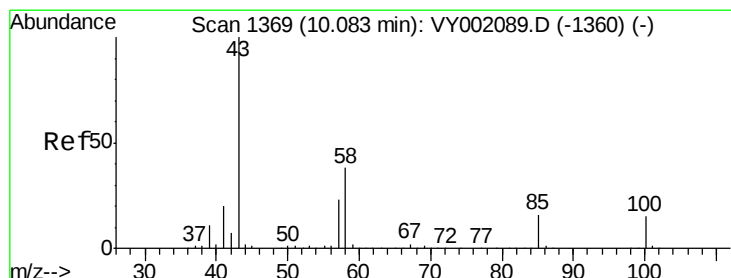
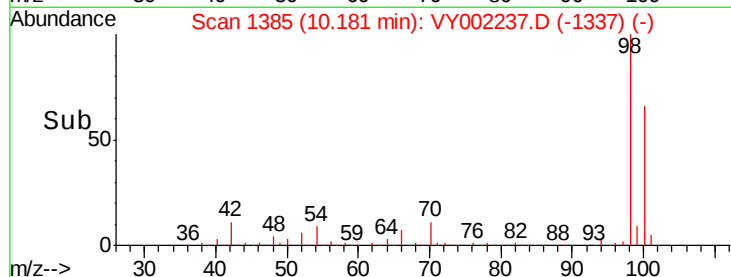
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.279 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002237.D

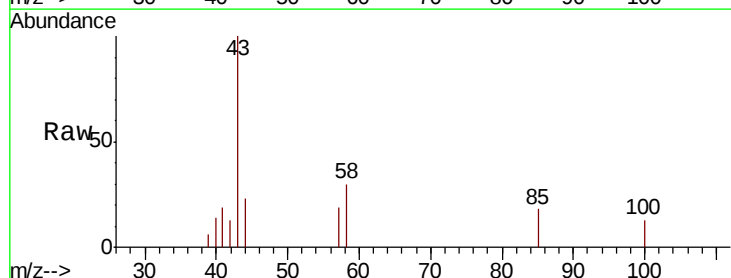
Acq: 06 Apr 2020 15:16

Tgt Ion: 43 Resp: 1837

Ion Ratio Lower Upper

43 100

58 28.1 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-1360) (-)

Ion 58.00 (57.70 to 58.70): VY002089.D (-1360) (-)

10.07

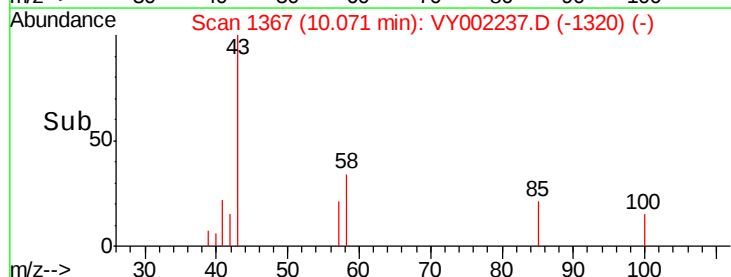
1500

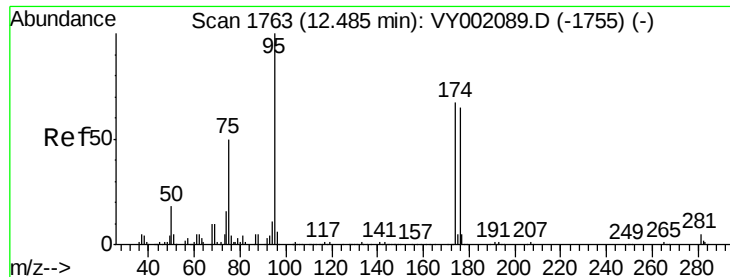
1000

500

0

Time-->

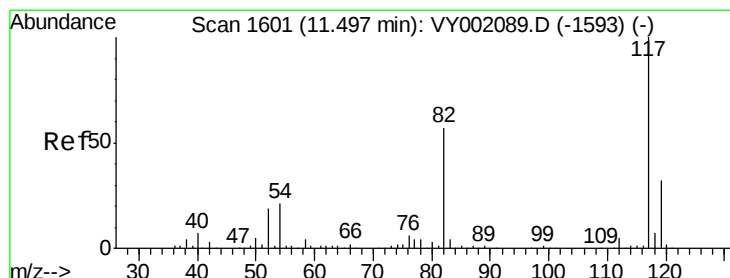
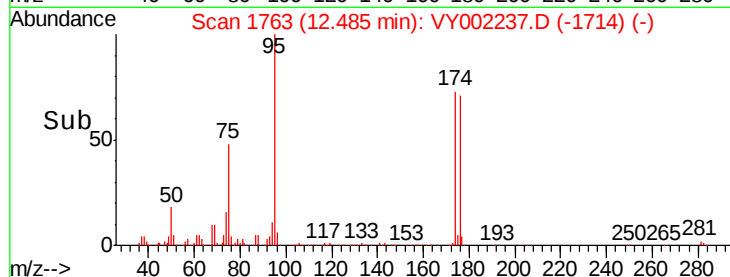
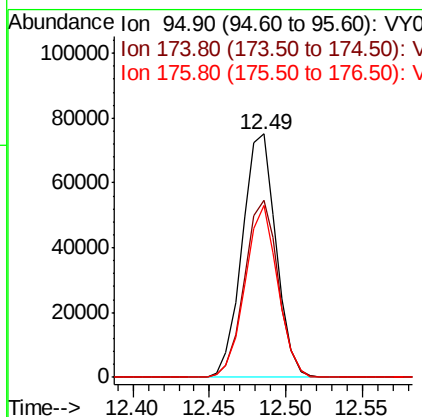
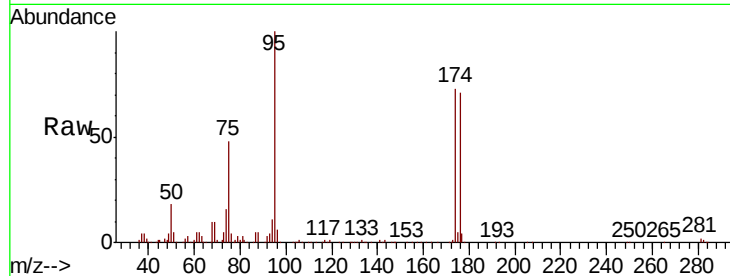




#62
4-Bromofluorobenzene
Concen: 53.764 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002237.D
Acq: 06 Apr 2020 15:16

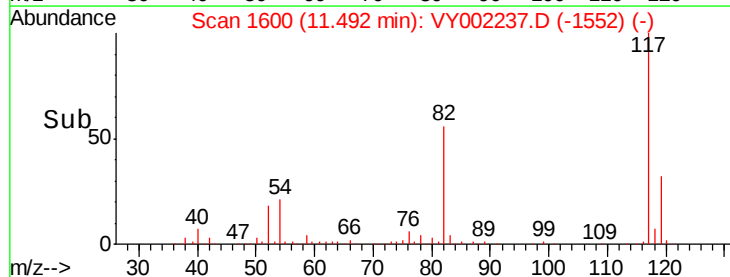
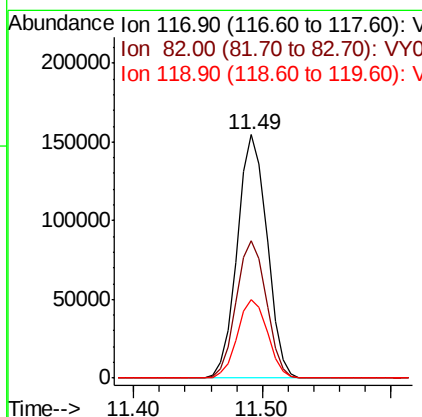
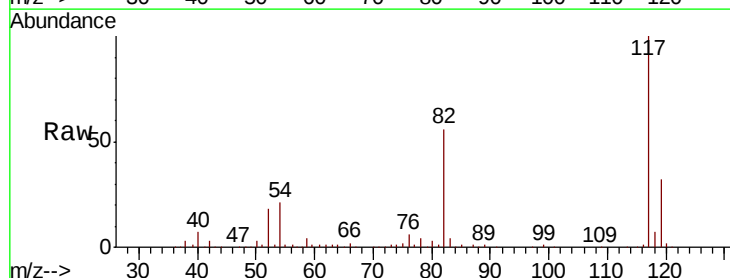
Instrument :
MSVOA_Y
ClientSampled :

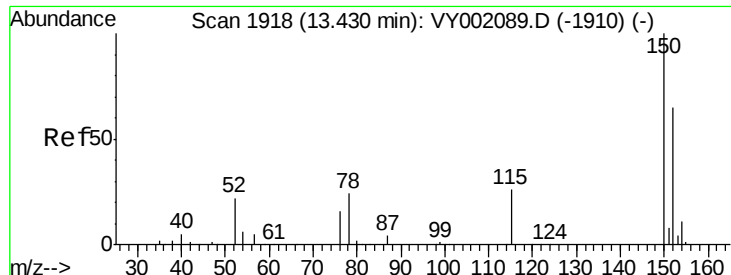
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	143.4
176	68.4	0.0	137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002237.D
Acq: 06 Apr 2020 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.2
119	32.2	25.3	37.9



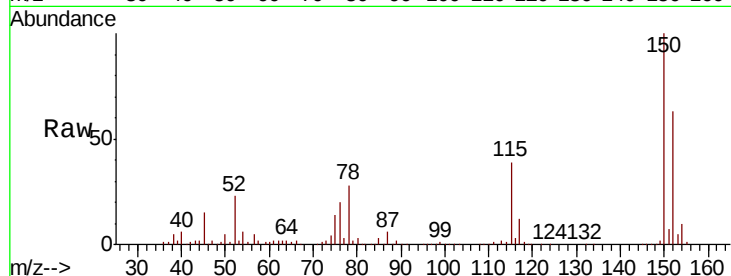


#72

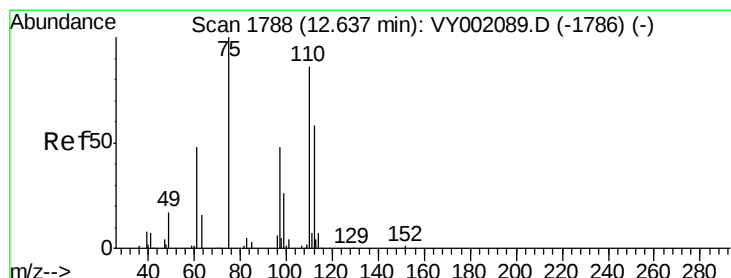
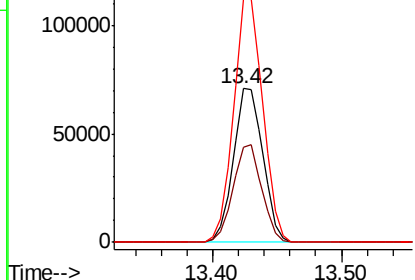
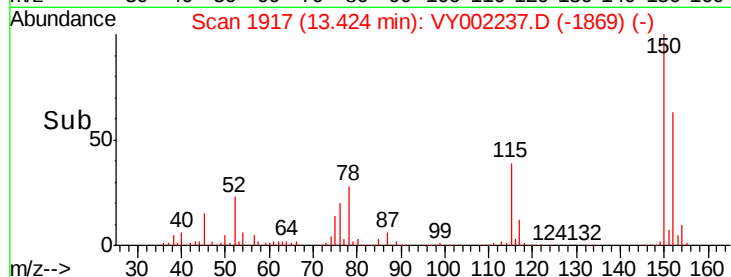
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002237.D
Acq: 06 Apr 2020 15:16

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.2	93.6
150	157.8	0.0	354.8



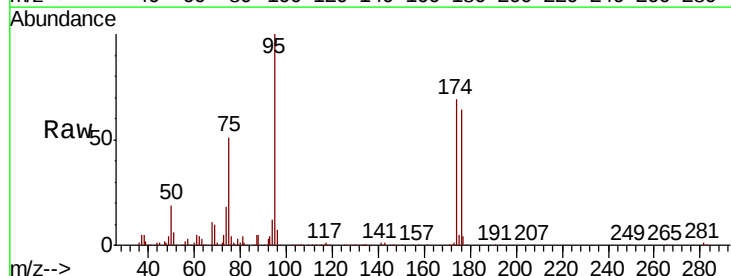
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



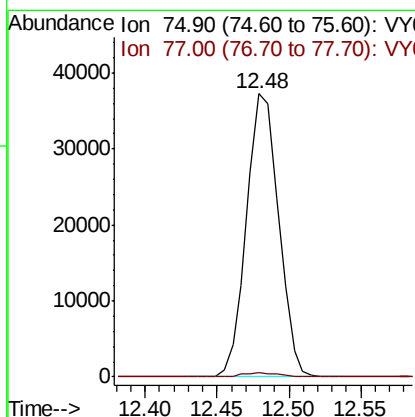
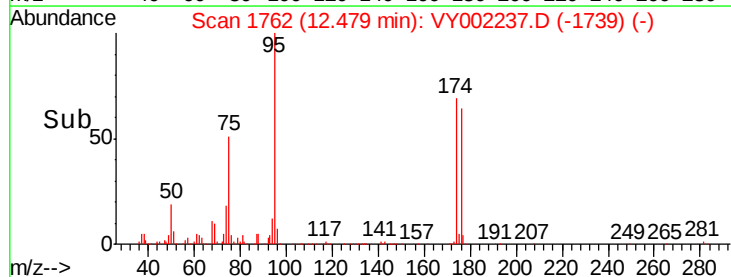
#76

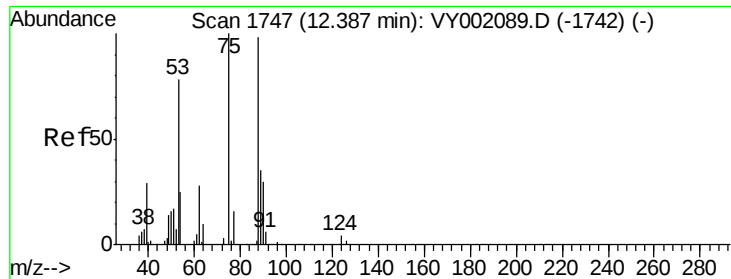
1,2,3-Trichloropropane
Concen: 45.768 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002237.D
Acq: 06 Apr 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 88.668 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002237.D

Acq: 06 Apr 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

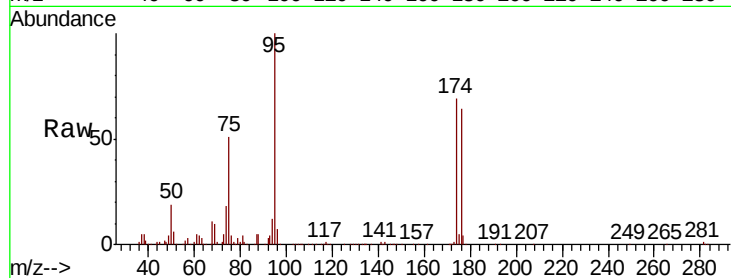
Tot Ion: 75 Resp: 57595

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.0 33.4 50.0#



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

