

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002293.D
 Acq On : 13 Apr 2020 20:07
 Operator : SY/MD
 Sample : L2222-02
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 14 07:52:49 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

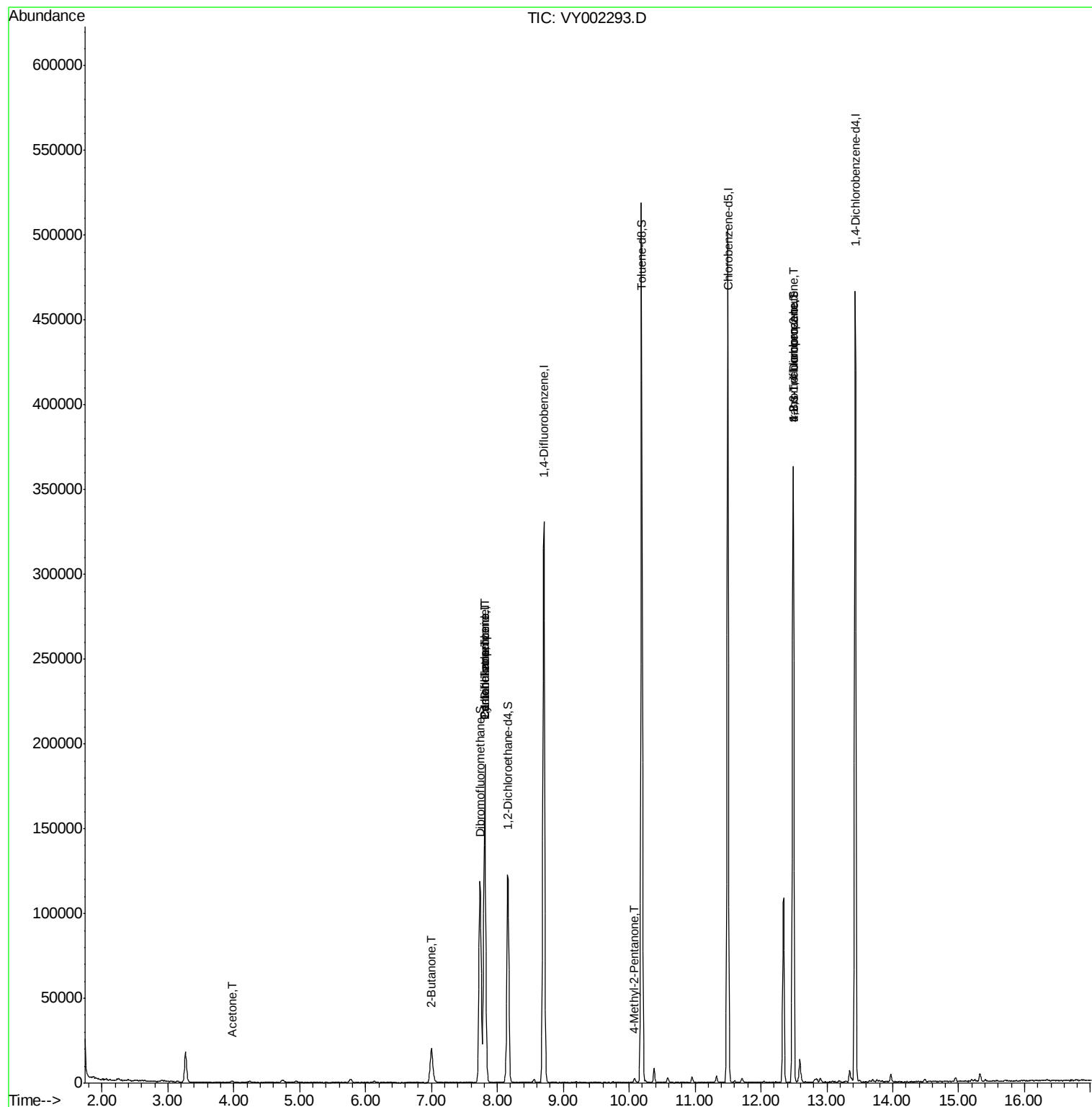
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	139259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	270888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	113324	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	88280	57.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.00%	
35) Dibromofluoromethane	7.74	113	85716	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
50) Toluene-d8	10.19	98	349439	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.49	95	121609	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	603	Below Cal	#	77
16) Acetone	3.97	43	1813	4.445	ug/l	91
25) 2-Butanone	6.99	43	1134	1.757	ug/l #	77
31) Cyclohexane	7.81	56	3278	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11347	4.033	ug/l #	50
38) Carbon Tetrachloride	7.81	117	14305	5.944	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	1794	1.175	ug/l #	85
76) 1,2,3-Trichloropropane	12.49	75	60151	45.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60151	88.904	ug/l #	19

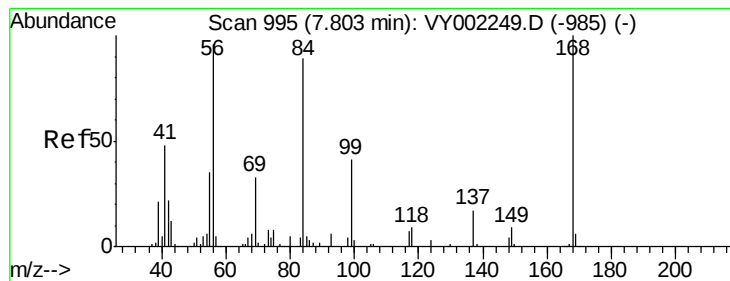
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002293.D

Acq: 13 Apr 2020 20:07

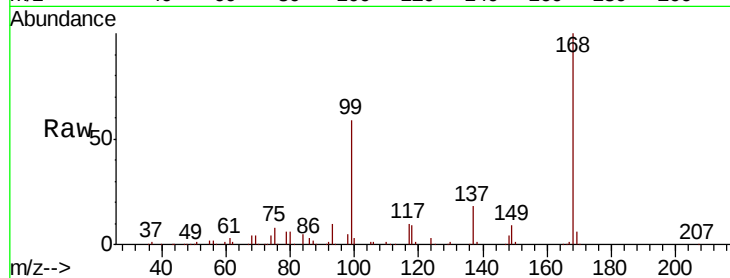
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 139259

Ion Ratio Lower Upper

168 100

99 58.6 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) (-)

7.81

60000

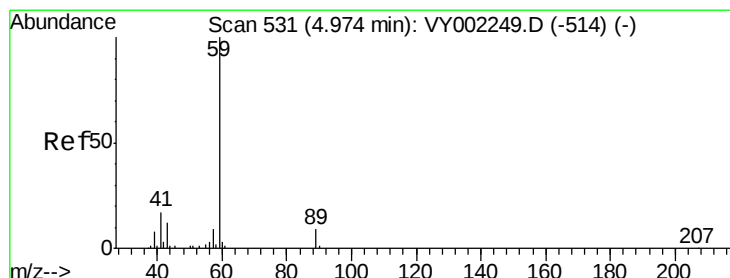
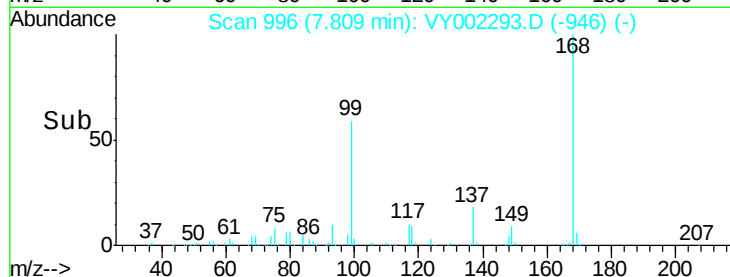
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.02 min

Lab File: VY002293.D

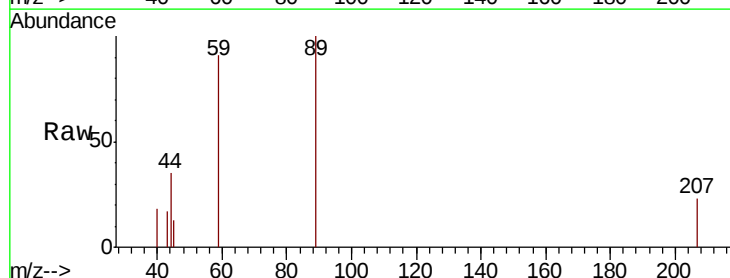
Acq: 13 Apr 2020 20:07

Tgt Ion: 59 Resp: 603

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) (-)

4.96

400

300

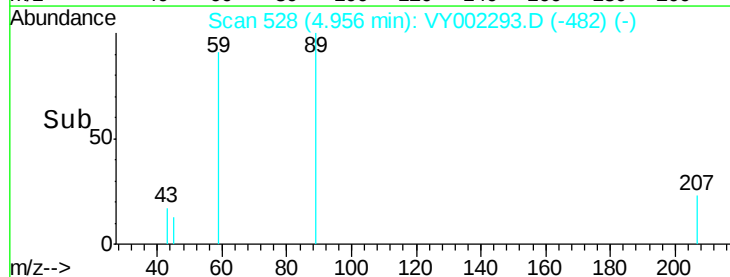
200

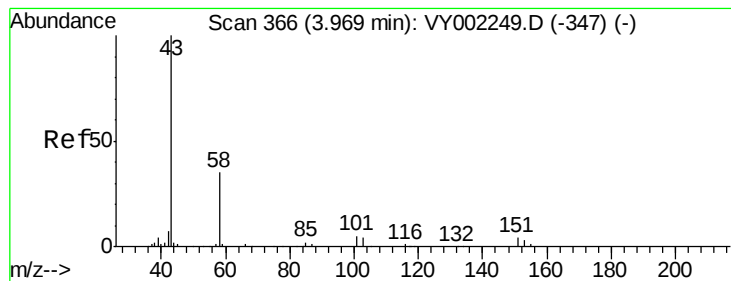
100

0

Time-->

4.90 4.95





#16

Acetone

Concen: 4.445 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002293.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_Y

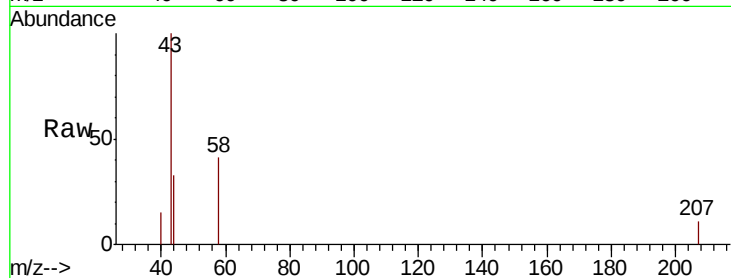
ClientSampleId :

Tot Ion: 43 Resp: 1813

Ion Ratio Lower Upper

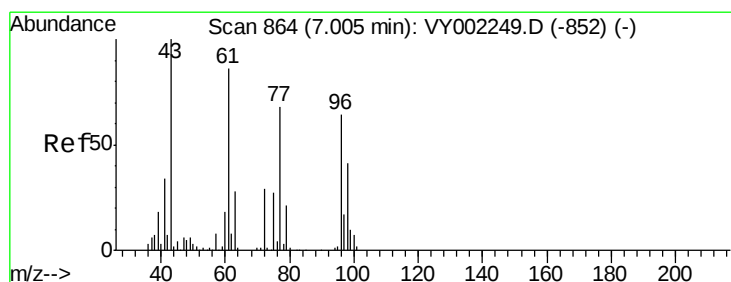
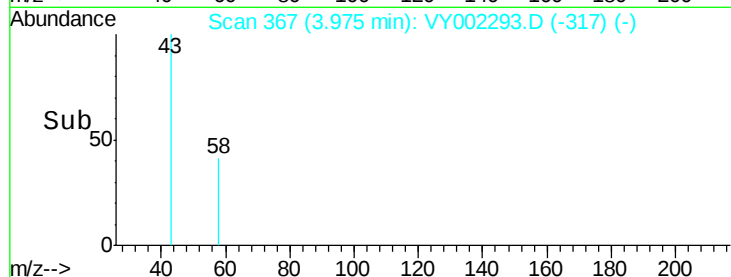
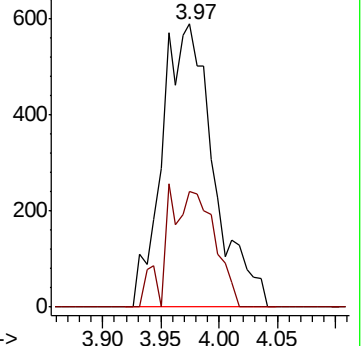
43 100

58 40.6 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 1.757 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.02 min

Lab File: VY002293.D

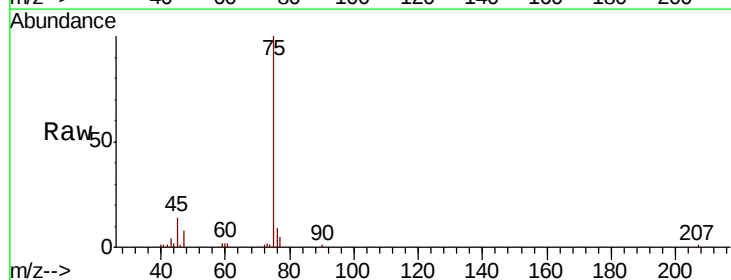
Acq: 13 Apr 2020 20:07

Tgt Ion: 43 Resp: 1134

Ion Ratio Lower Upper

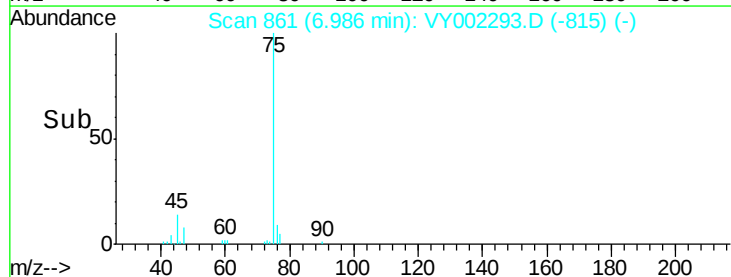
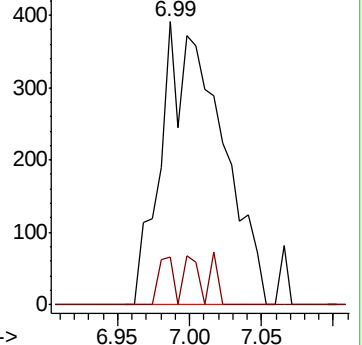
43 100

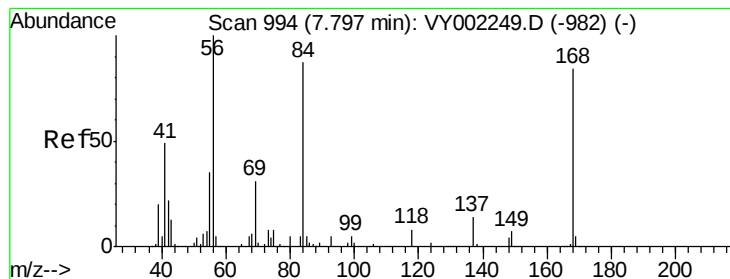
72 16.9 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002293.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_Y

ClientSampled :

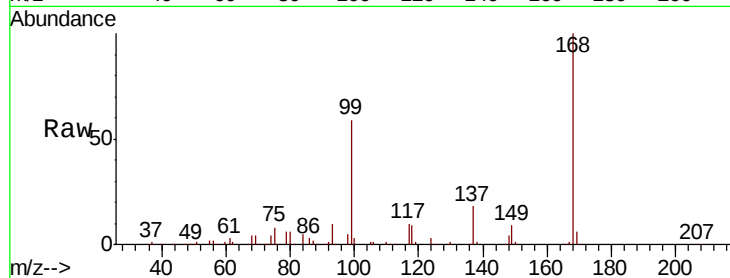
Tot Ion: 56 Resp: 3278

Ion Ratio Lower Upper

56 100

69 168.5 25.0 37.6#

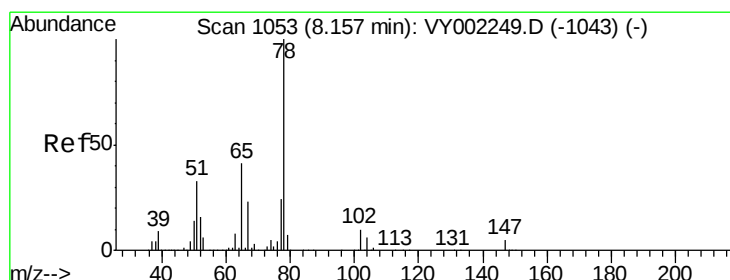
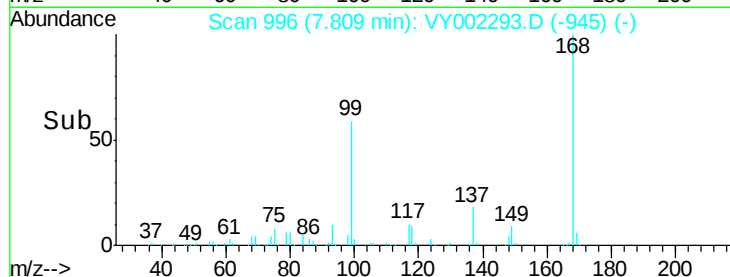
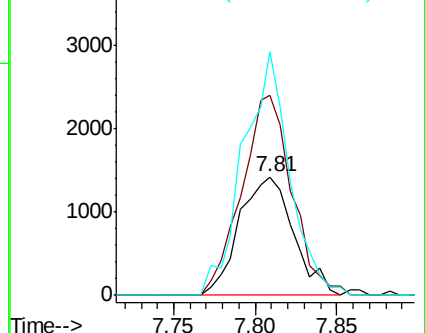
84 205.1 69.7 104.5#



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: 57.004 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002293.D

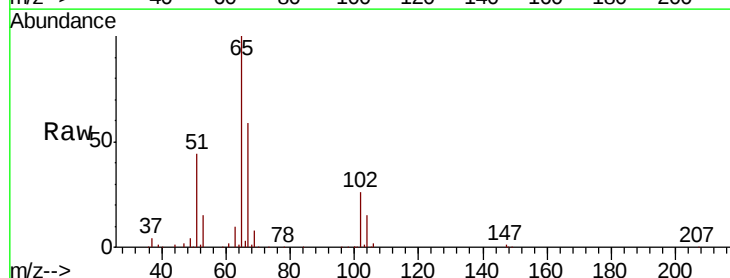
Acq: 13 Apr 2020 20:07

Tgt Ion: 65 Resp: 88280

Ion Ratio Lower Upper

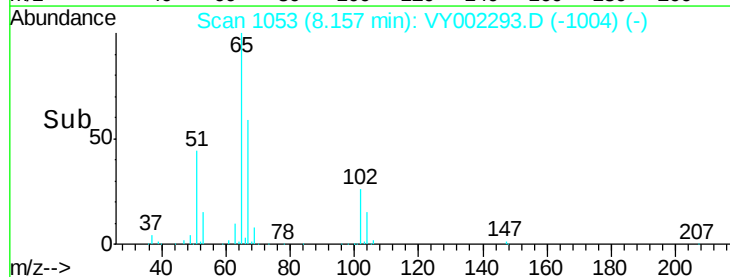
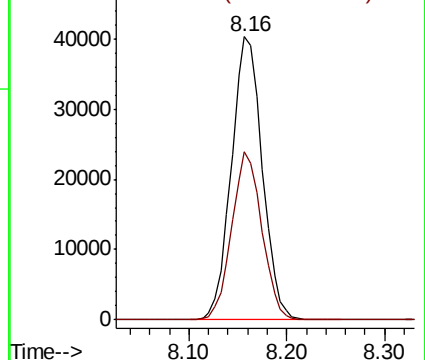
65 100

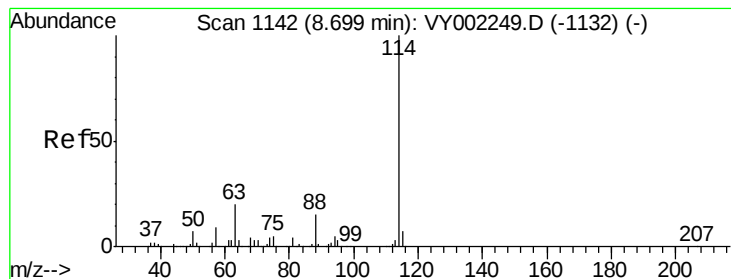
67 58.0 0.0 114.0



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. 0.01 min

Lab File: VY002293.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

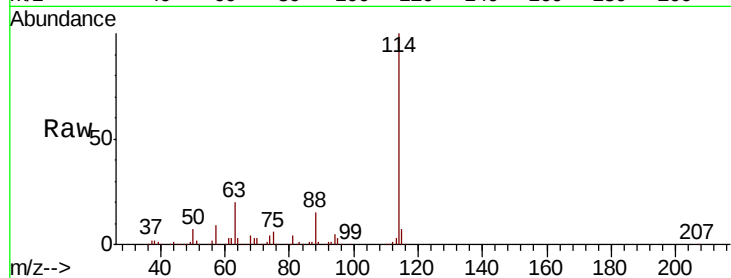
Tot Ion:114 Resp: 285621

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

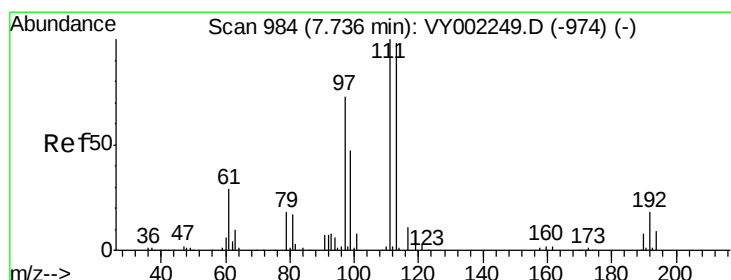
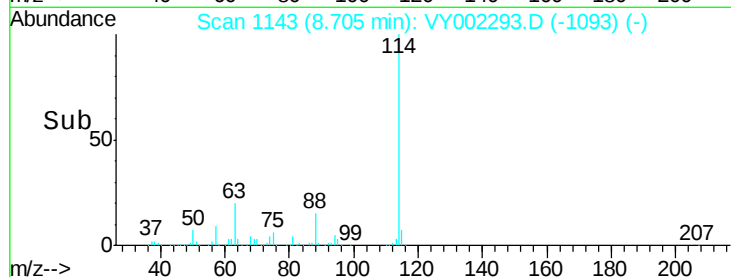
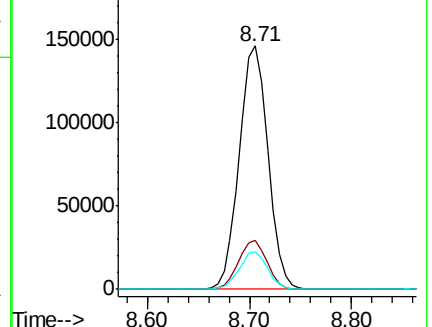
88 15.2 0.0 31.0



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: 50.435 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002293.D

Acq: 13 Apr 2020 20:07

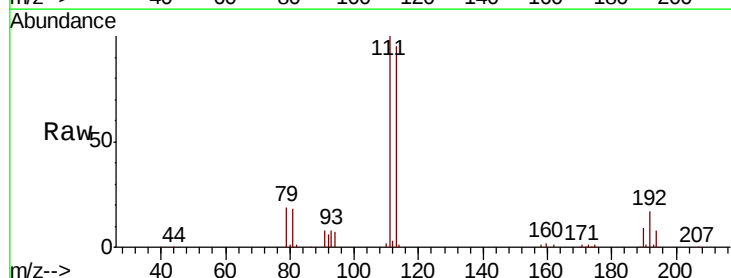
Tgt Ion:113 Resp: 85716

Ion Ratio Lower Upper

113 100

111 104.3 83.5 125.3

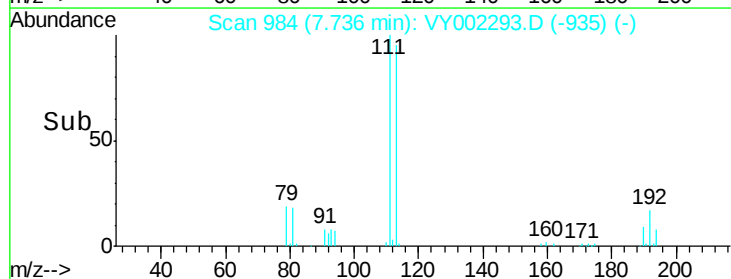
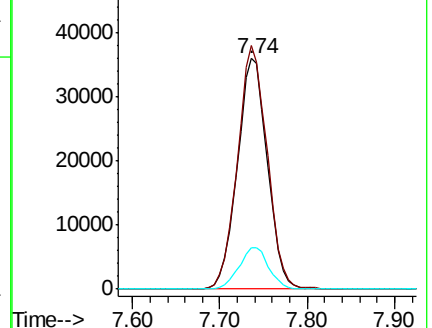
192 17.8 14.7 22.1

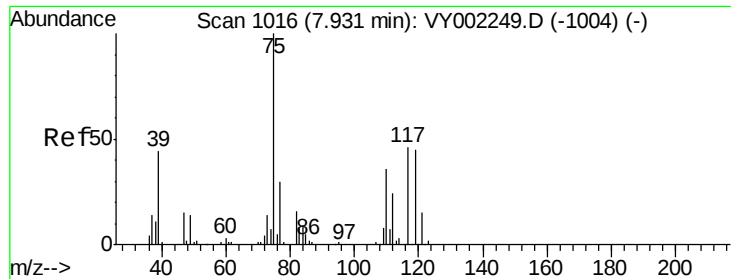


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

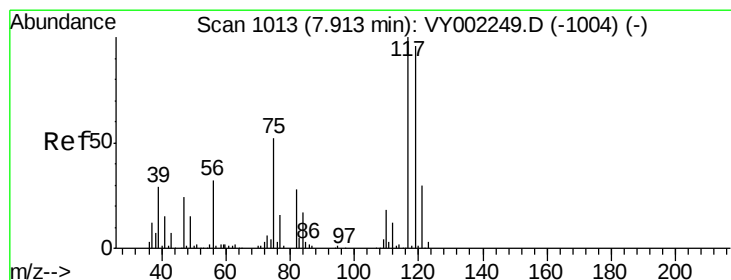
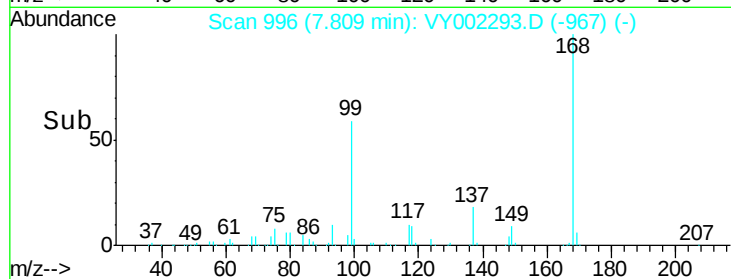
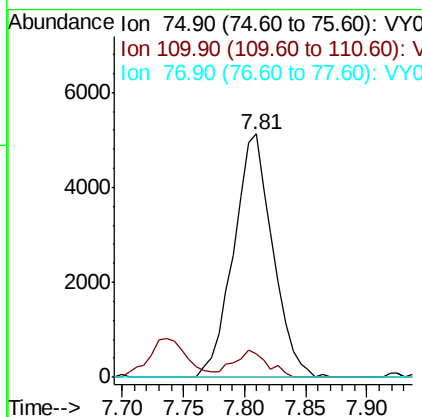
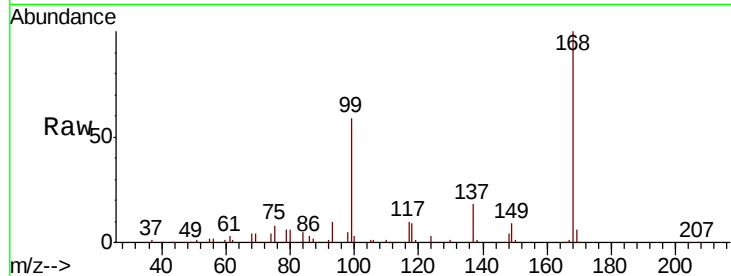




#36
 1,1-Dichloropropene
 Concen: 4.033 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002293.D
 Acq: 13 Apr 2020 20:07

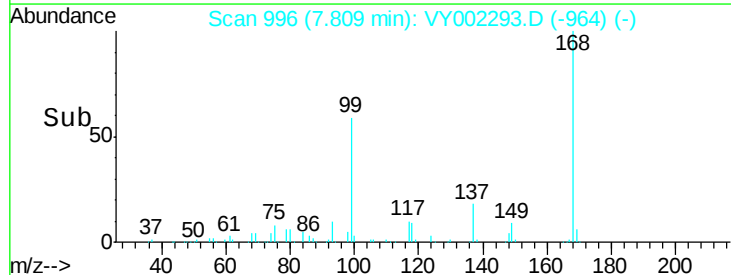
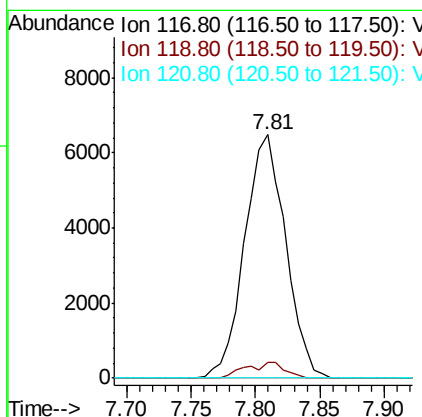
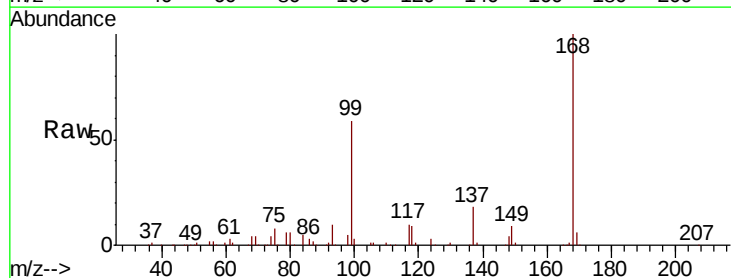
Instrument :
 MSVOA_Y
 ClientSampled :

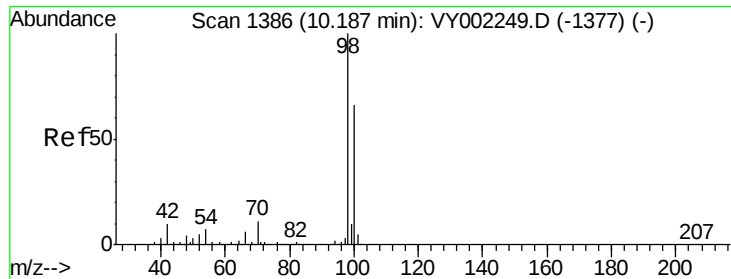
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.944 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY002293.D
 Acq: 13 Apr 2020 20:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.1	115.7#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 49.123 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002293.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_Y

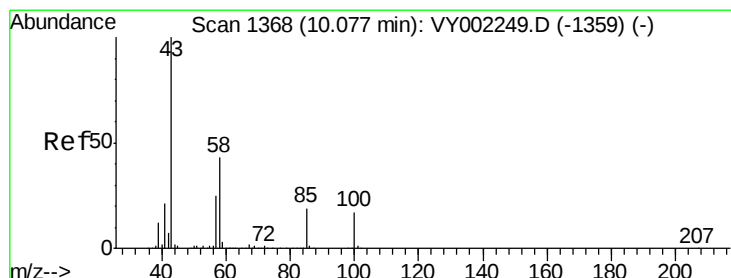
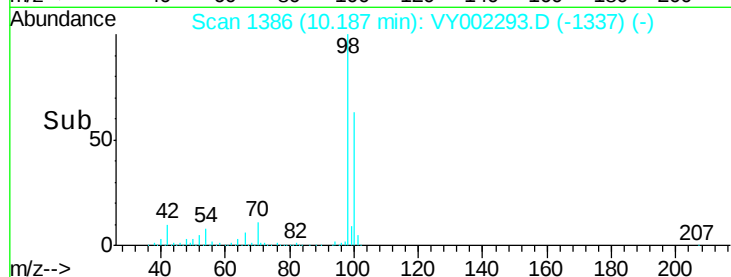
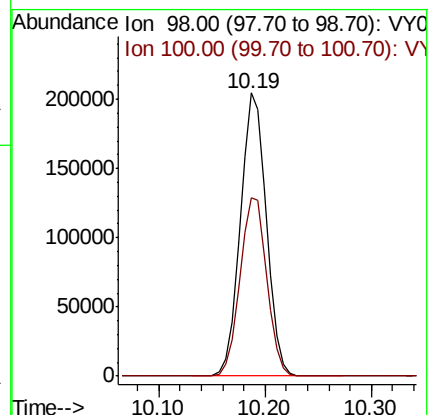
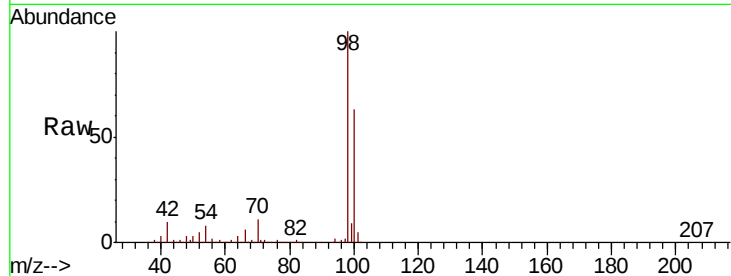
ClientSampled :

Tot Ion: 98 Resp: 349439

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.175 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY002293.D

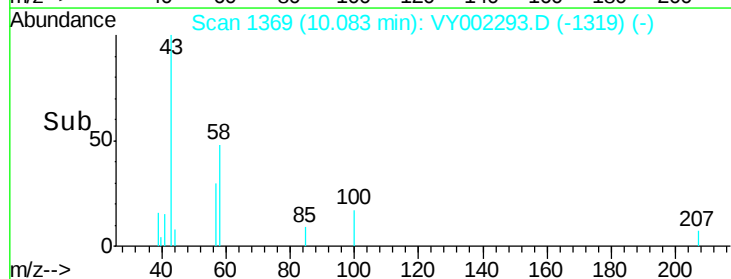
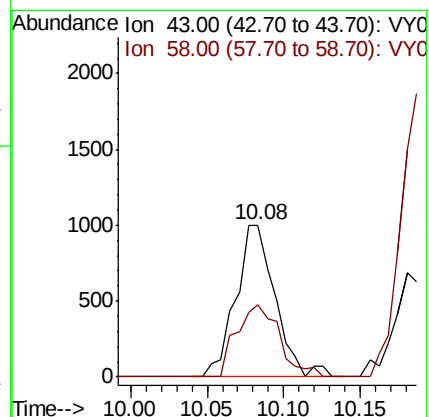
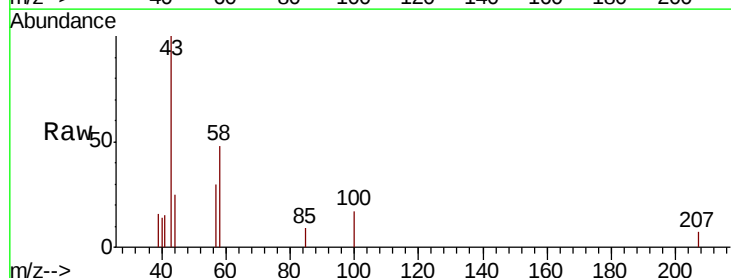
Acq: 13 Apr 2020 20:07

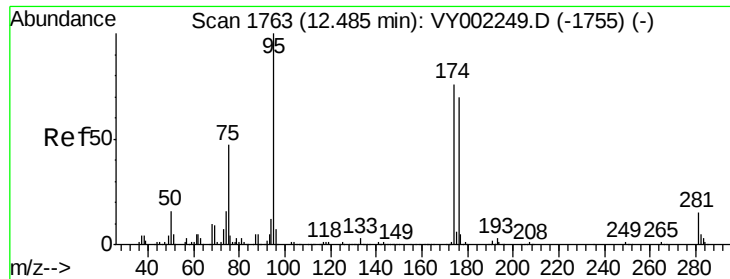
Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

58 51.6 33.8 50.8#

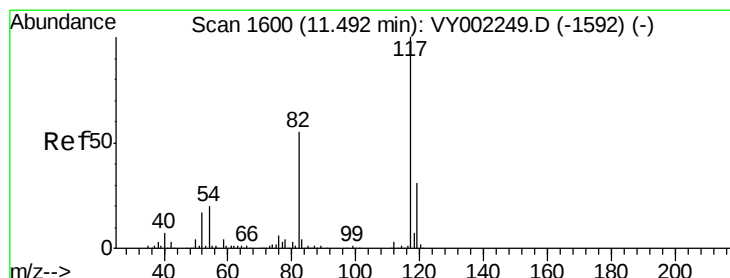
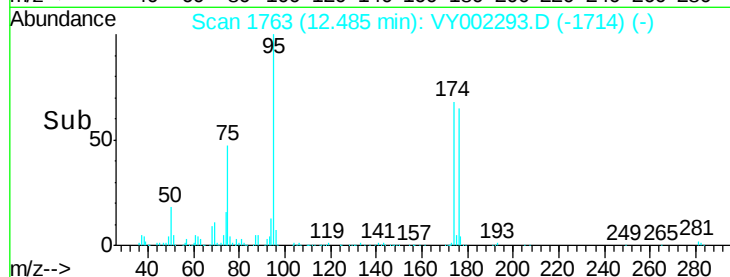
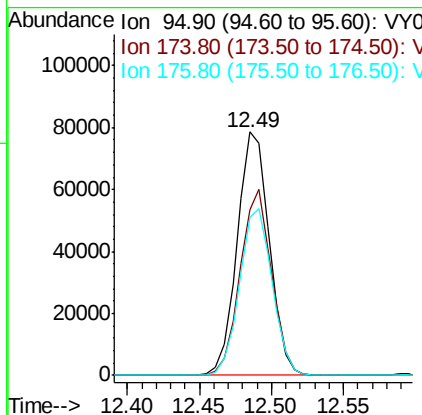
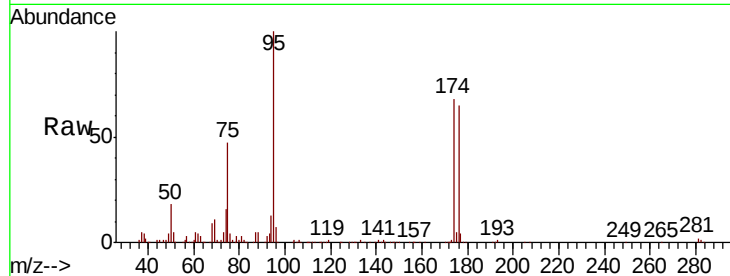




#62
4-Bromofluorobenzene
Concen: 51.818 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002293.D
Acq: 13 Apr 2020 20:07

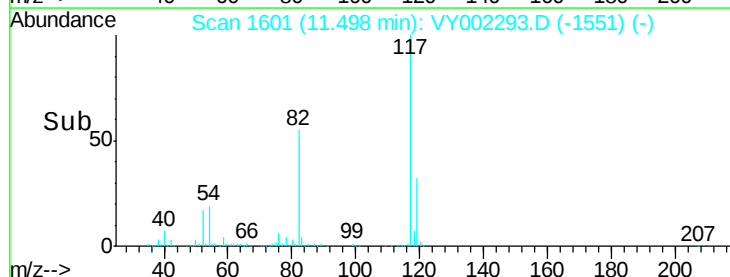
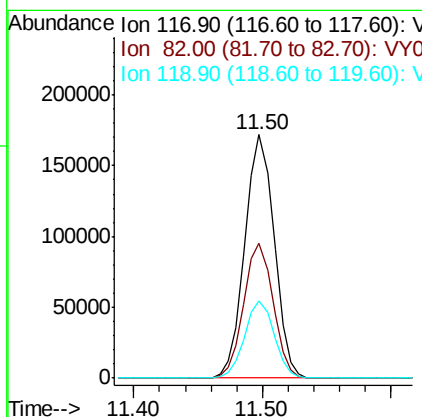
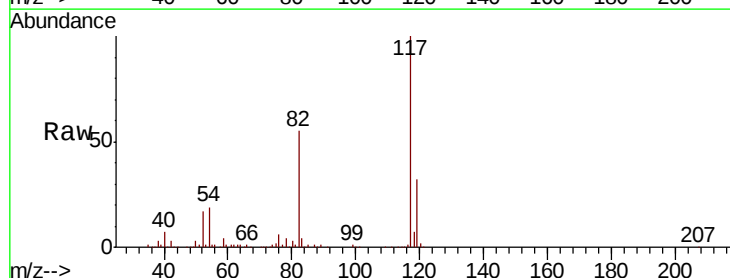
Instrument :
MSVOA_Y
ClientSampleId :

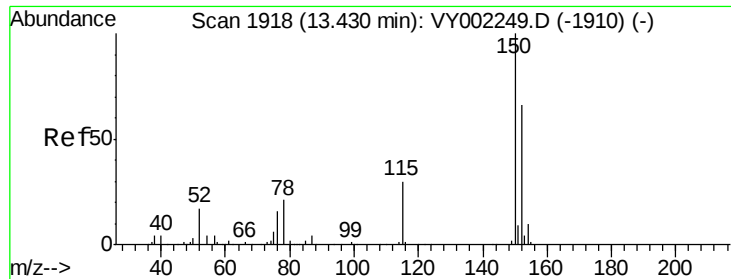
Tot Ion	95	Resp	121609
Ion Ratio	Lower	Upper	
95	100		
174	74.5	0.0	150.6
176	69.2	0.0	141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002293.D
Acq: 13 Apr 2020 20:07

Tgt Ion	117	Resp	270888
Ion Ratio	Lower	Upper	
117	100		
82	55.4	44.2	66.4
119	31.8	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002293.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

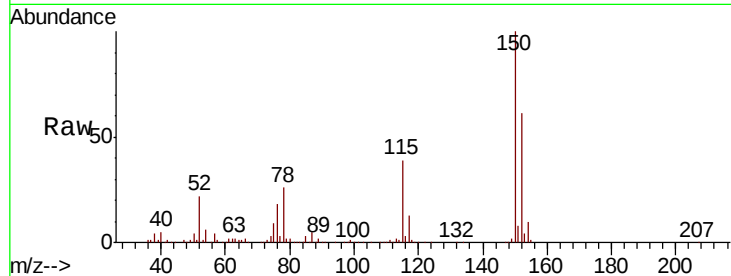
Tot Ion:152 Resp: 113324

Ion Ratio Lower Upper

152 100

115 61.3 30.7 92.1

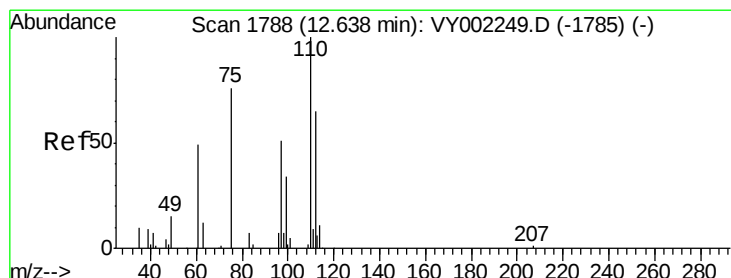
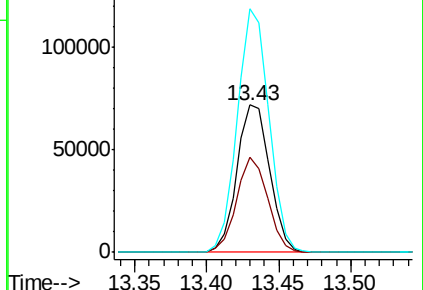
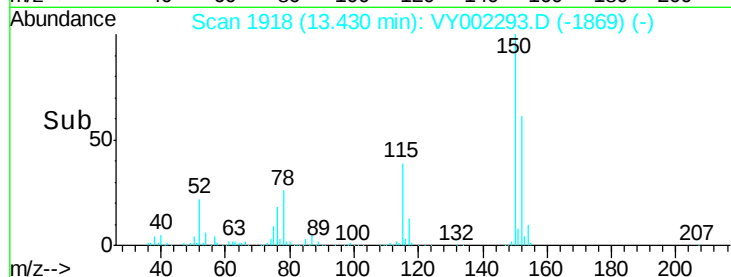
150 159.5 0.0 350.6



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: 45.709 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002293.D

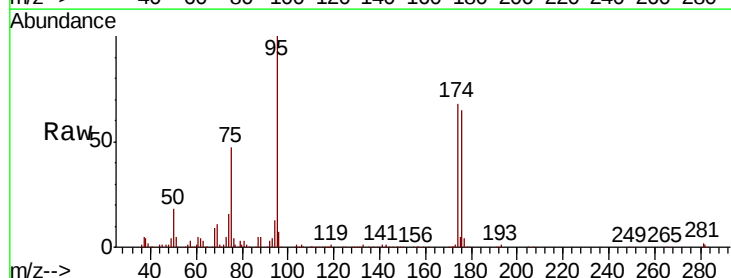
Acq: 13 Apr 2020 20:07

Tgt Ion: 75 Resp: 60151

Ion Ratio Lower Upper

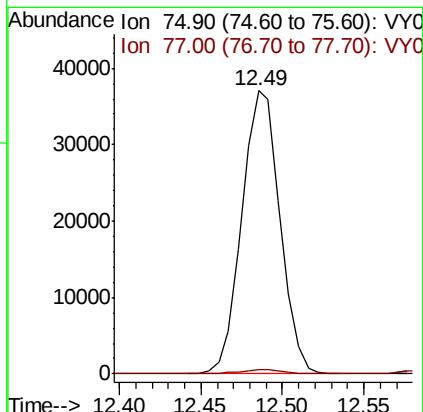
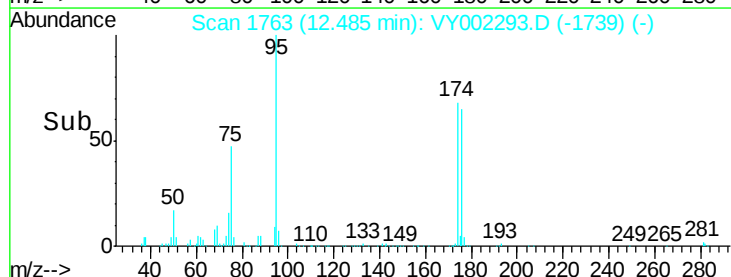
75 100

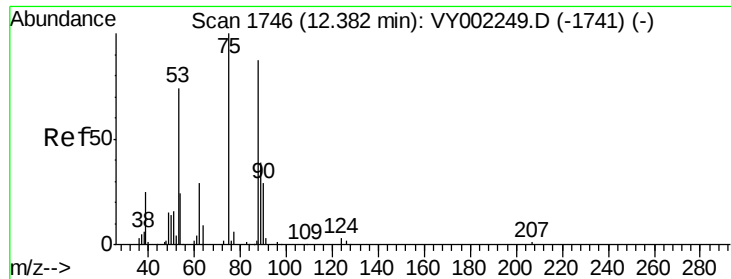
77 1.6 0.0 0.0#



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: 88.904 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002293.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_Y

ClientSampleId :

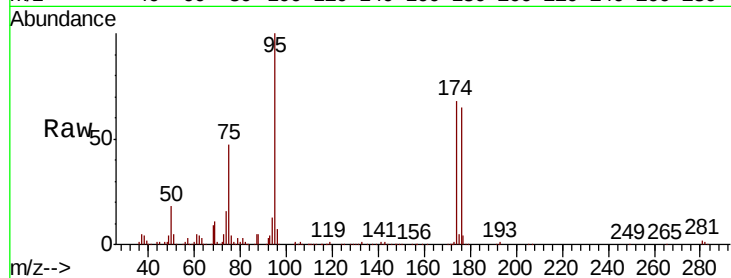
Tot Ion: 75 Resp: 60151

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.1 37.0 55.6#



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

