

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002187.D
 Acq On : 02 Apr 2020 13:24
 Operator : SY/MD
 Sample : L2125-02RE
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 03 03:13:58 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	7.82	168	125126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	248150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	238454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	103900	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	86852	62.79	ug/l	0.00
Spiked Amount			Recovery	=	125.58%	
35) Dibromofluoromethane	7.74	113	75068	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
50) Toluene-d8	10.19	98	306390	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.49	95	108815	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	

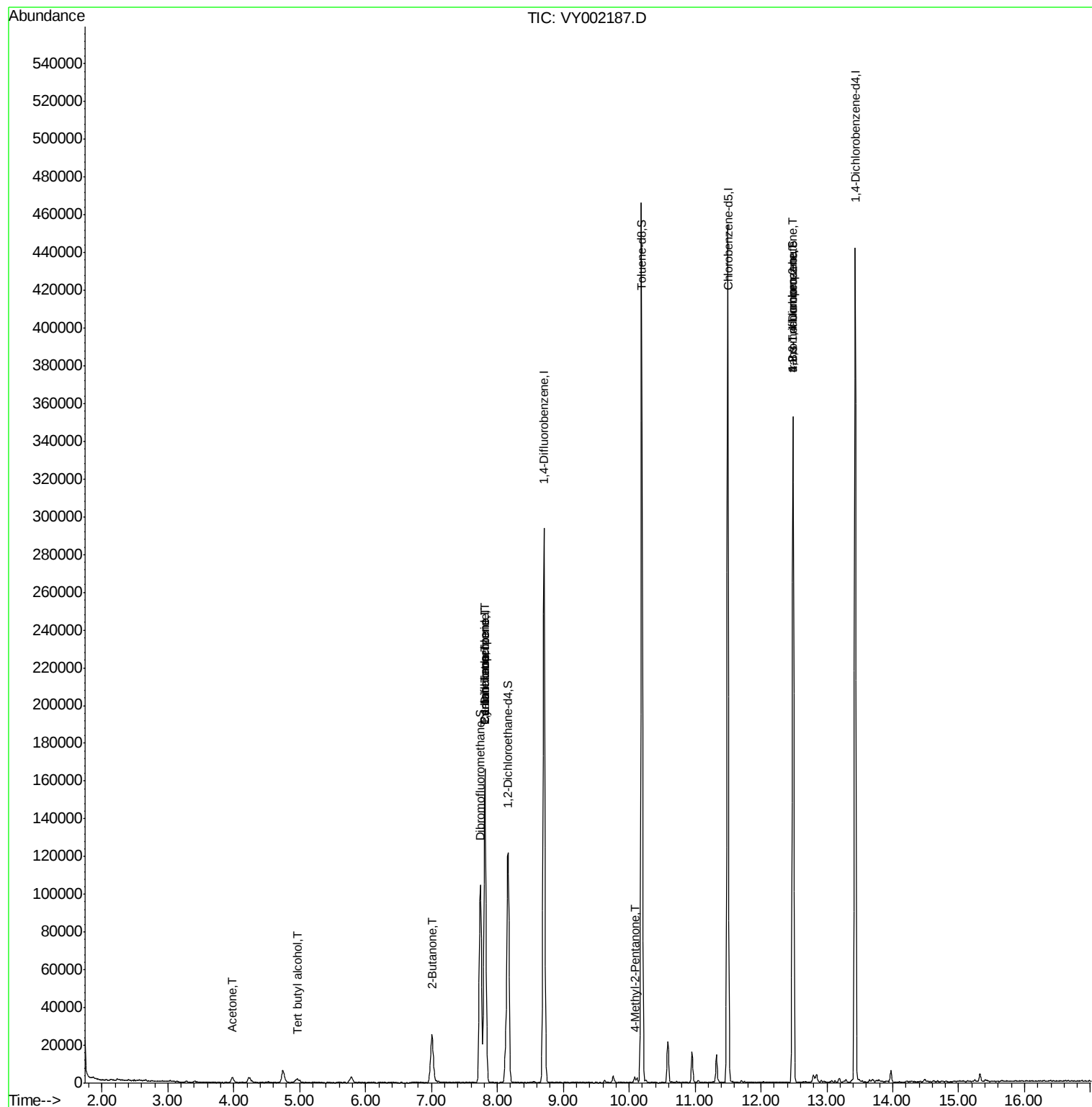
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	218	Below Cal		86
11) Tert butyl alcohol	4.96	59	2939	18.030	ug/l #	74
16) Acetone	3.98	43	5005	12.879	ug/l	92
20) Methylene Chloride	4.75	84	4501	Below Cal		93
25) 2-Butanone	7.02	43	1588	2.661	ug/l #	82
31) Cyclohexane	7.81	56	3081	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	11140	4.746	ug/l #	49
38) Carbon Tetrachloride	7.82	117	12952	6.504	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	2394	1.766	ug/l #	87
76) 1,2,3-Trichloropropane	12.49	75	56547	48.654	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56547	94.261	ug/l #	17

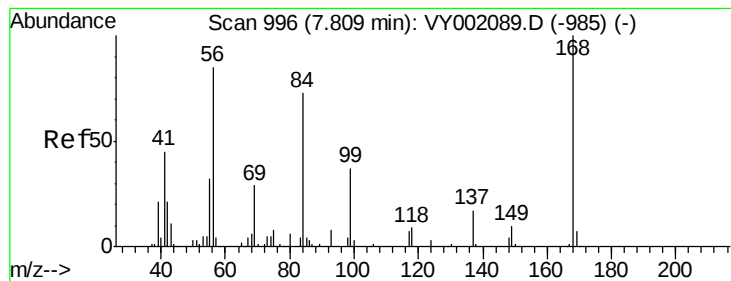
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002187.D

Acq: 02 Apr 2020 13:24

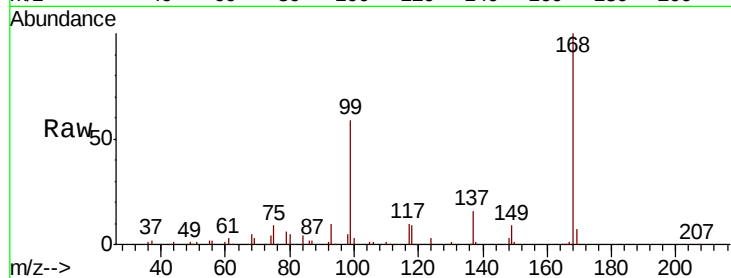
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 125126

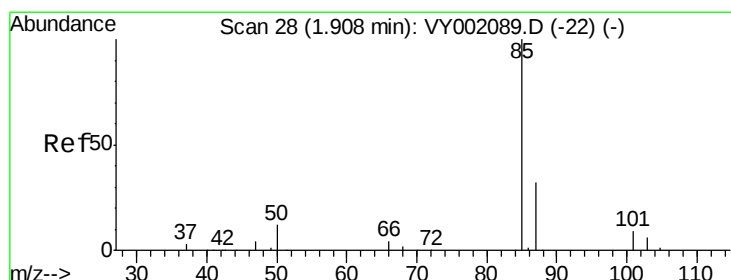
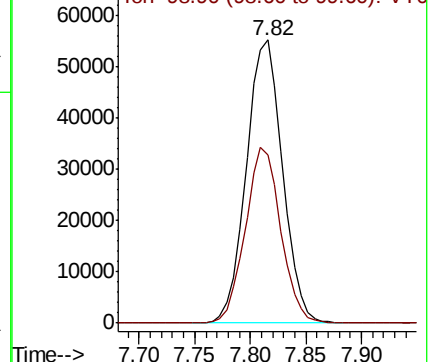
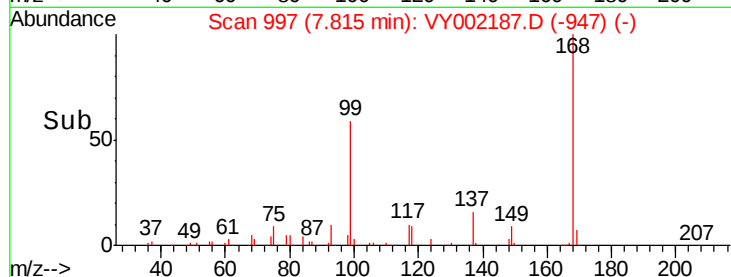
Ion Ratio Lower Upper

168 100

99 59.5 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002187.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002187.D

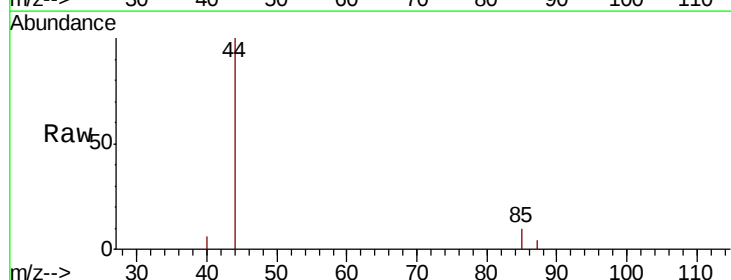
Acq: 02 Apr 2020 13:24

Tgt Ion: 85 Resp: 218

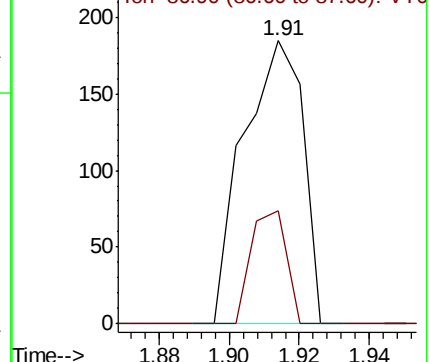
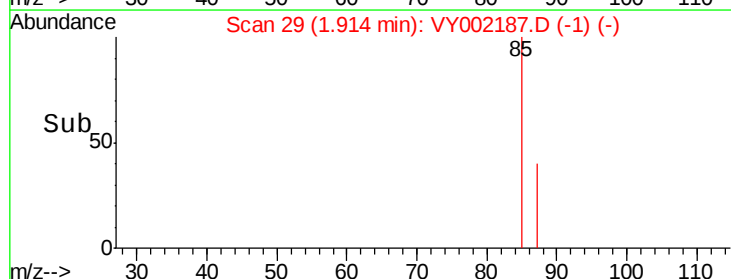
Ion Ratio Lower Upper

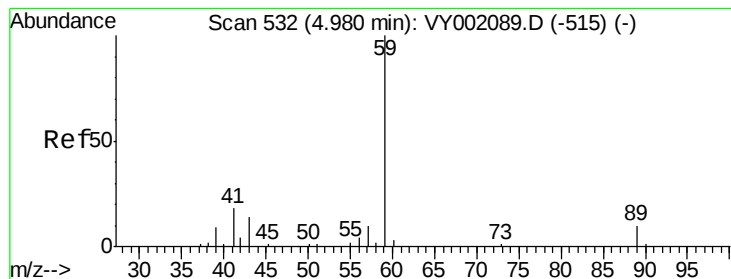
85 100

87 40.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002187.D (-1) (-)



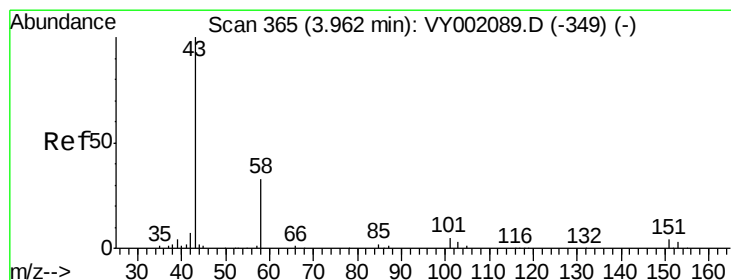
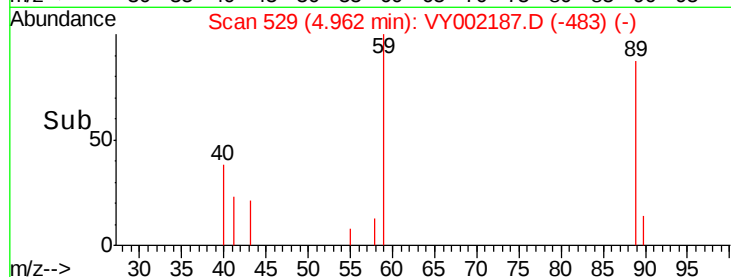
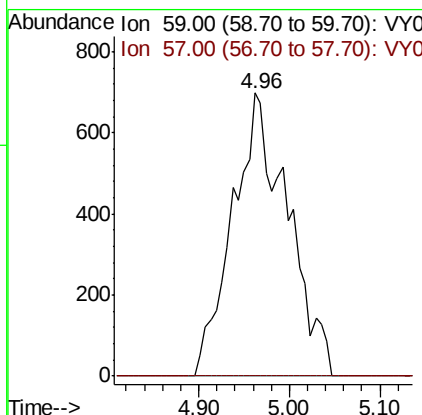
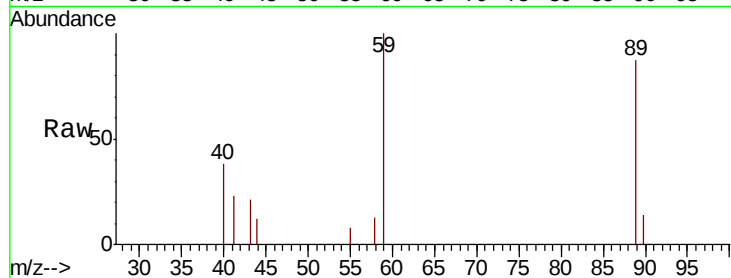


#11

Tert butyl alcohol
 Concen: 18.030 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: VY002187.D
 Acq: 02 Apr 2020 13:24

Instrument :
 MSVOA_Y
 ClientSampled :

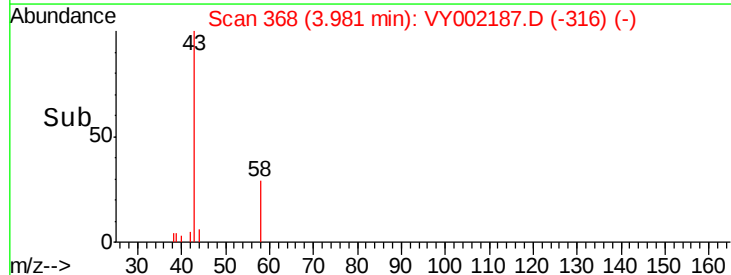
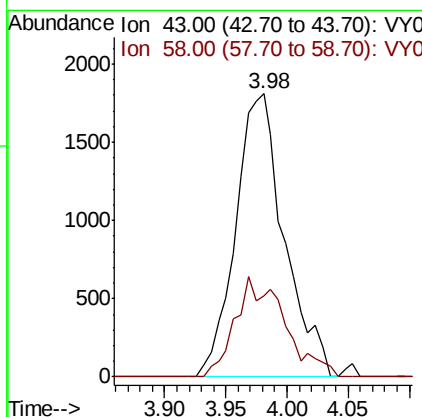
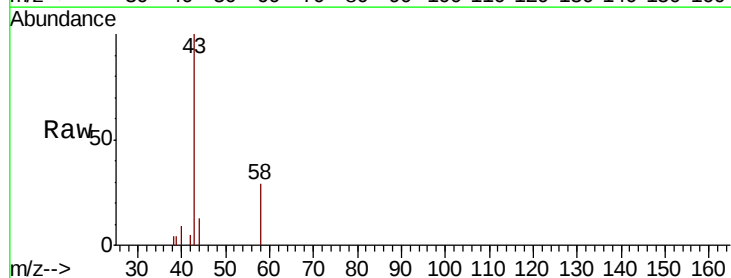
Tot Ion: 59 Resp: 2939
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

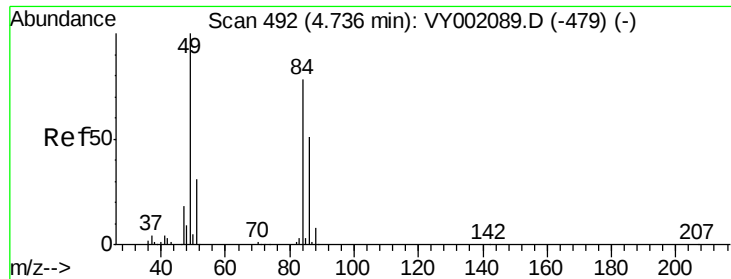


#16

Acetone
 Concen: 12.879 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VY002187.D
 Acq: 02 Apr 2020 13:24

Tgt Ion: 43 Resp: 5005
 Ion Ratio Lower Upper
 43 100
 58 28.6 26.3 39.5

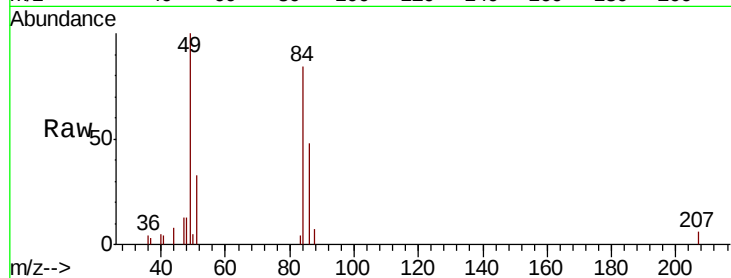




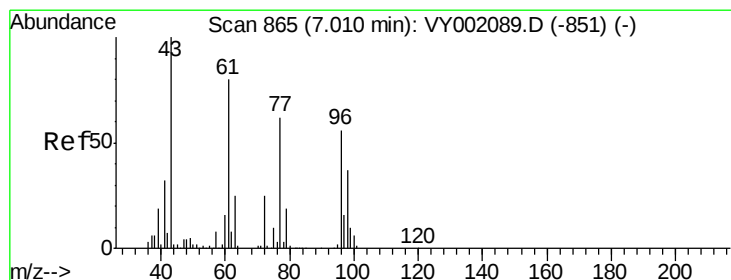
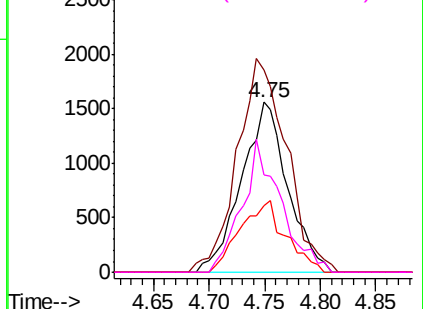
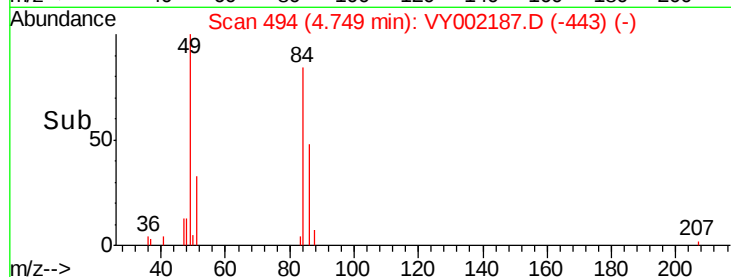
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002187.D
Acq: 02 Apr 2020 13:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 4501
Ion Ratio Lower Upper
84 100
49 118.8 102.2 153.4
51 38.9 31.2 46.8
86 57.2 52.6 78.8

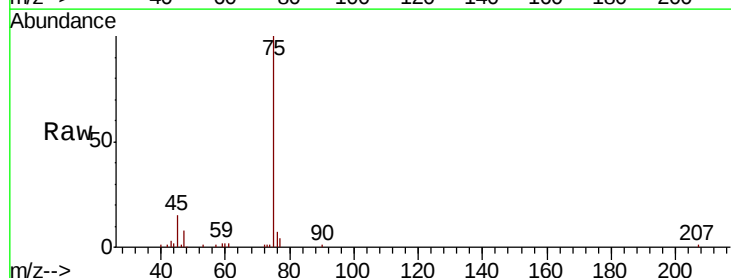


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

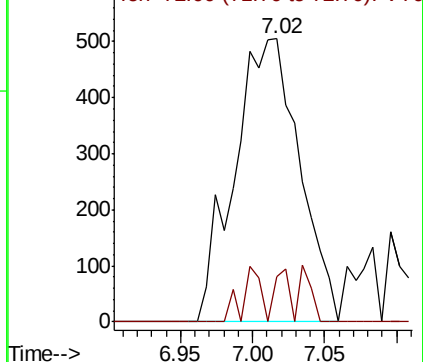
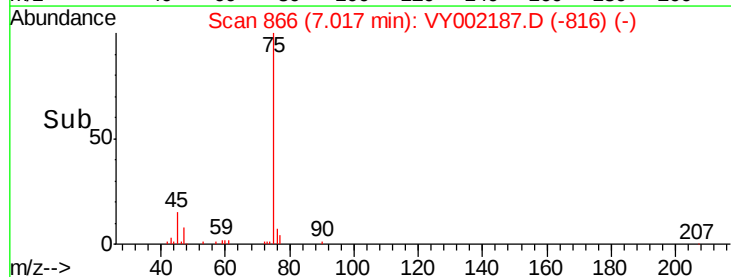


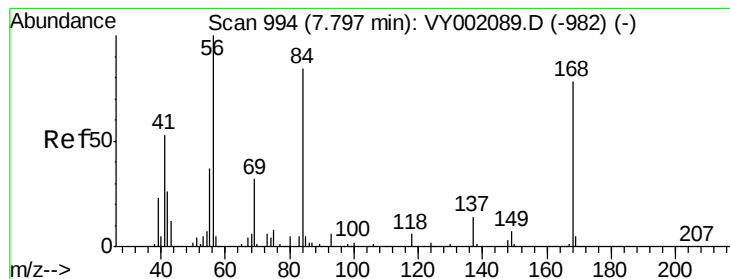
#25
2-Butanone
Concen: 2.661 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002187.D
Acq: 02 Apr 2020 13:24

Tgt Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
72 16.2 20.2 30.2#



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





#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002187.D

Acq: 02 Apr 2020 13:24

Instrument :
MSVOA_Y
ClientSampled :

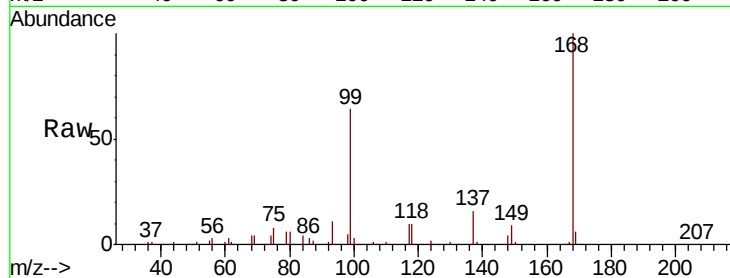
Tot Ion: 56 Resp: 3081

Ion Ratio Lower Upper

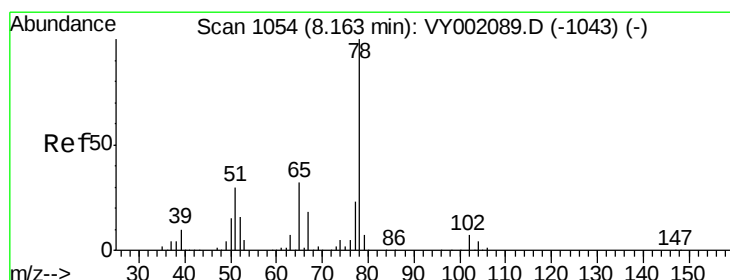
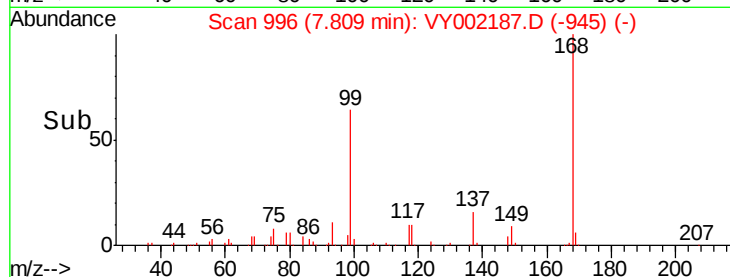
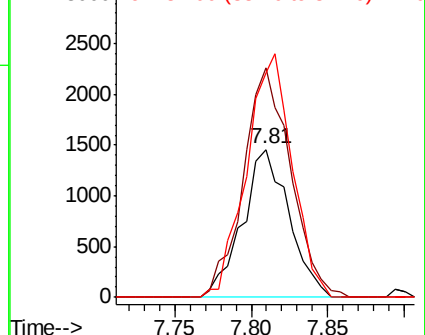
56 100

69 154.7 25.8 38.8#

84 151.6 67.1 100.7#



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: 62.789 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002187.D

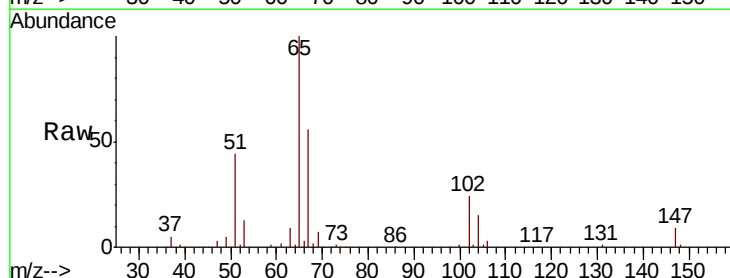
Acq: 02 Apr 2020 13:24

Tgt Ion: 65 Resp: 86852

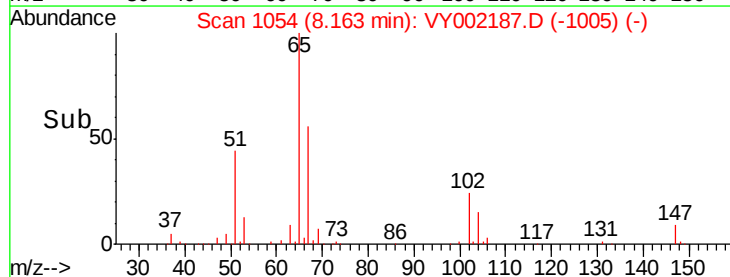
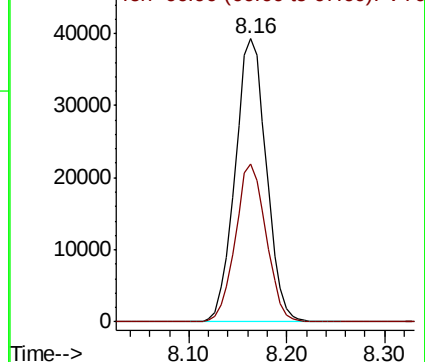
Ion Ratio Lower Upper

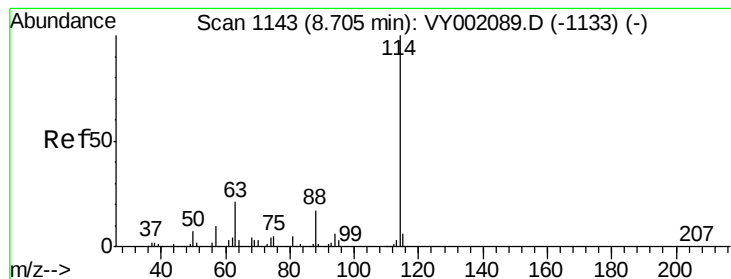
65 100

67 55.1 0.0 112.8



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: VY002187.D

Acq: 02 Apr 2020 13:24

Instrument :

MSVOA_Y

ClientSampleId :

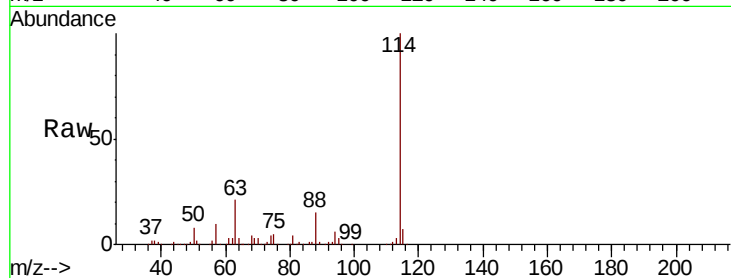
Tot Ion:114 Resp: 248150

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.4

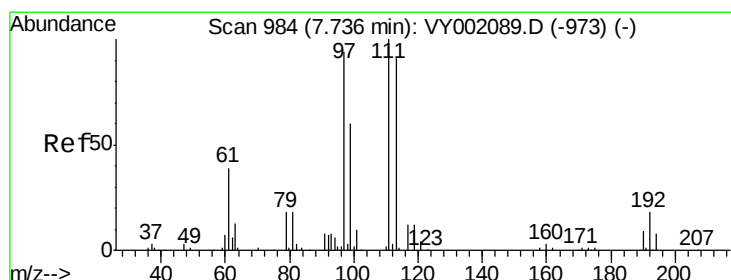
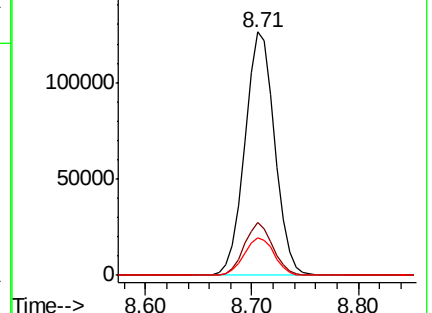
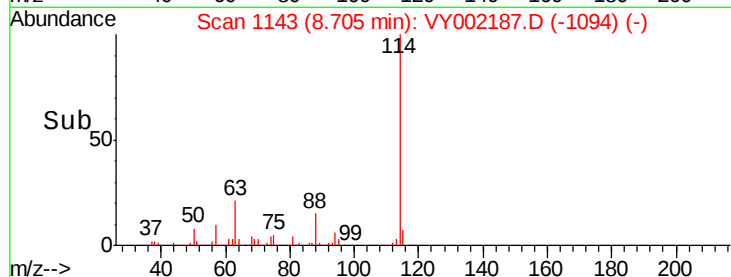
88 15.3 0.0 33.0



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: 53.989 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002187.D

Acq: 02 Apr 2020 13:24

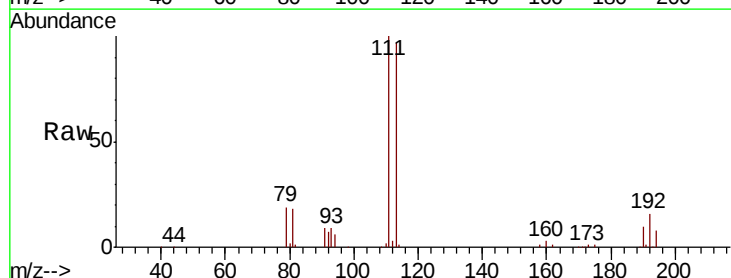
Tgt Ion:113 Resp: 75068

Ion Ratio Lower Upper

113 100

111 102.9 84.4 126.6

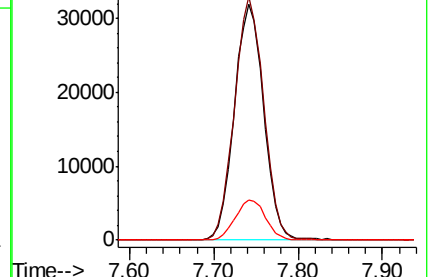
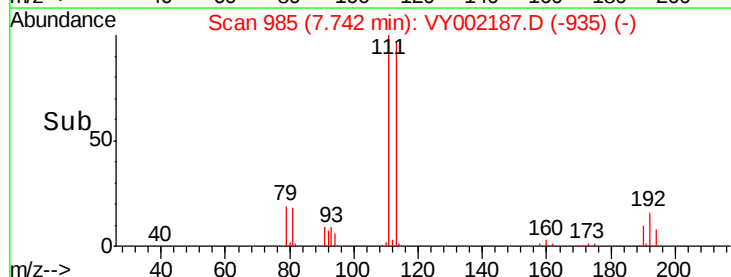
192 17.7 14.6 21.8

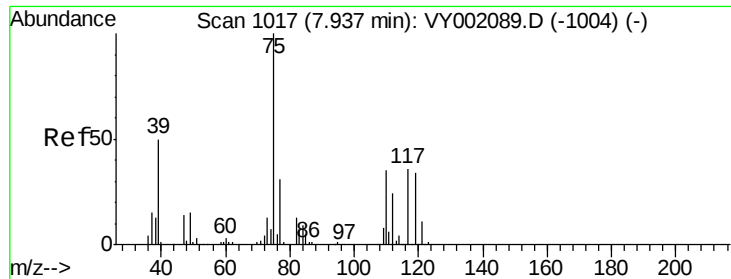


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

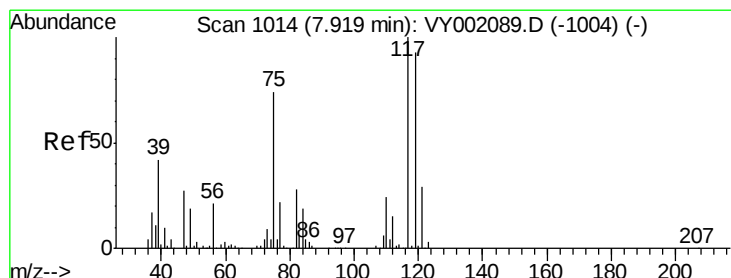
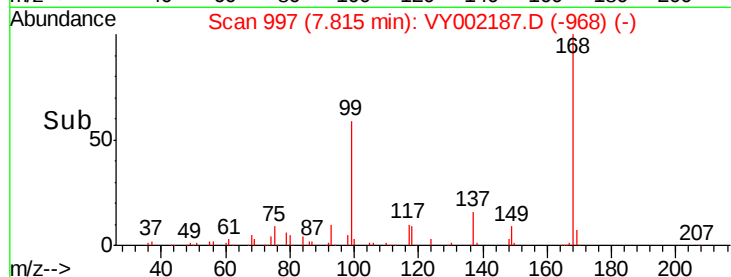
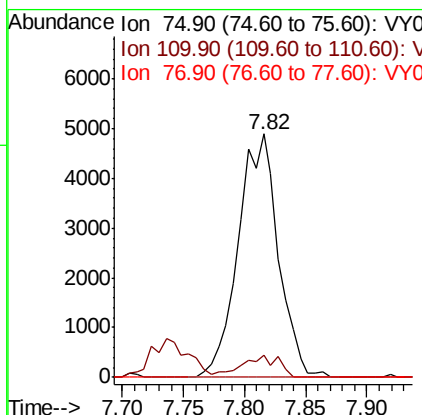
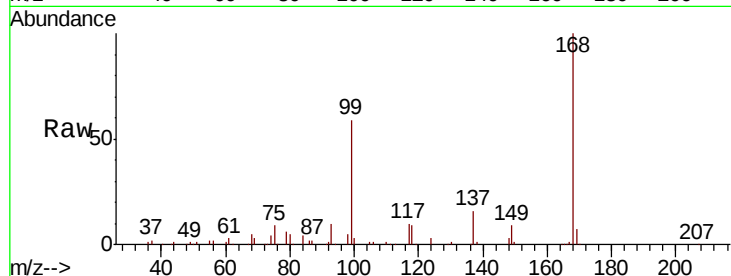




#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002187.D
 Acq: 02 Apr 2020 13:24

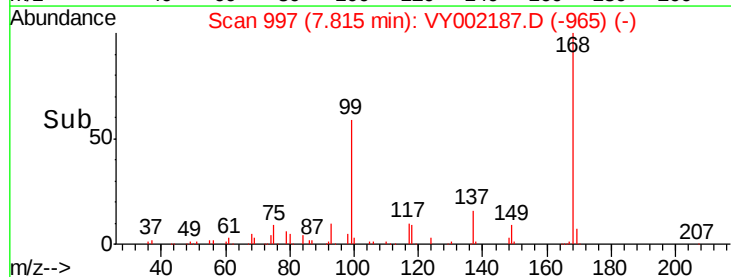
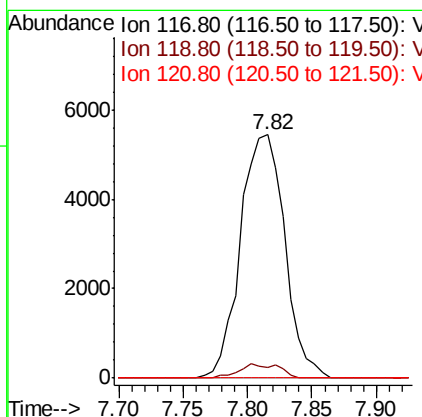
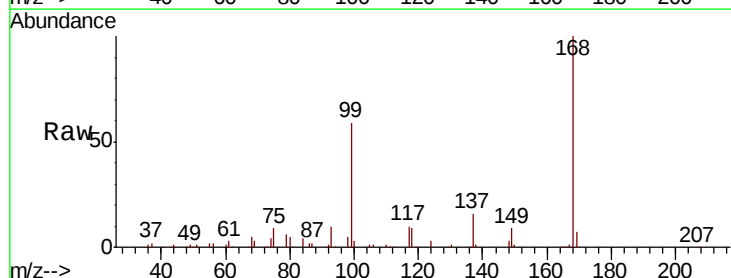
Instrument :
 MSVOA_Y
 ClientSampled :

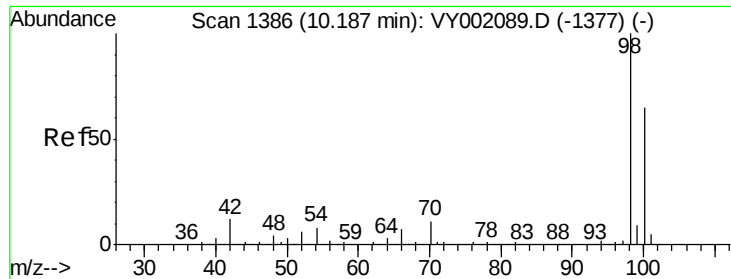
Tot Ion	75	Resp	11140
Ion Ratio	100	Lower	Upper
75	100		
110	8.0	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.504 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY002187.D
 Acq: 02 Apr 2020 13:24

Tgt Ion	117	Resp	12952
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.2	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 53.044 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002187.D

Acq: 02 Apr 2020 13:24

Instrument :

MSVOA_Y

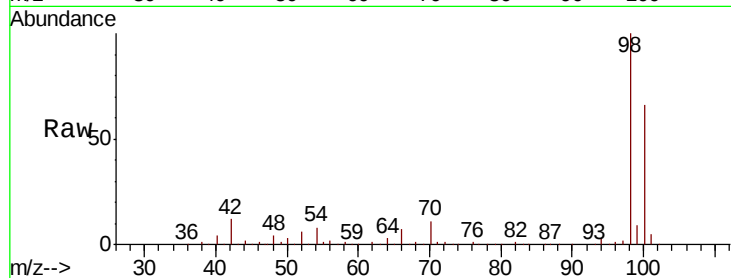
ClientSampleId :

Tot Ion: 98 Resp: 306390

Ion Ratio Lower Upper

98 100

100 65.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

200000

150000

100000

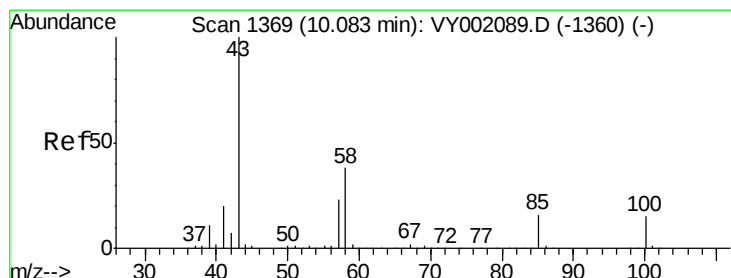
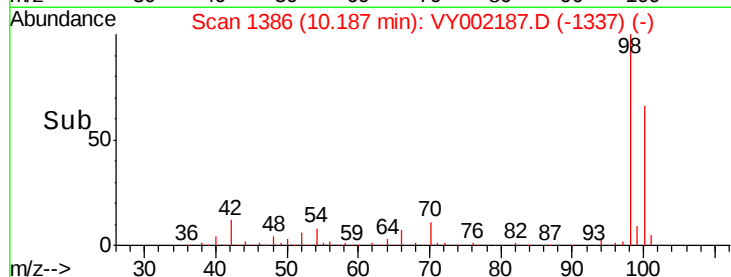
50000

0

10.10

10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.766 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002187.D

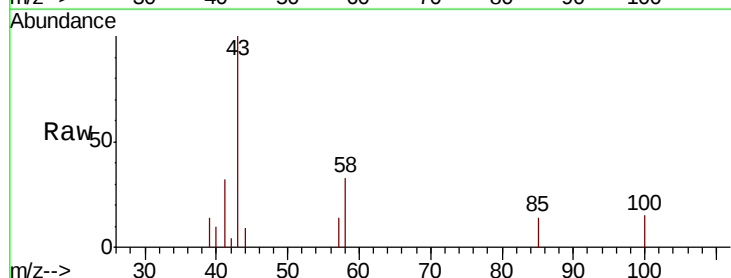
Acq: 02 Apr 2020 13:24

Tgt Ion: 43 Resp: 2394

Ion Ratio Lower Upper

43 100

58 31.2 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2000

1500

1000

500

0

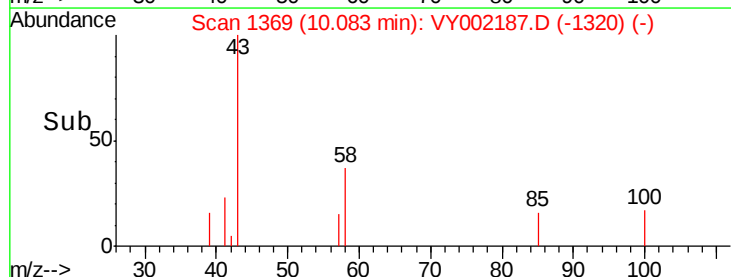
10.00

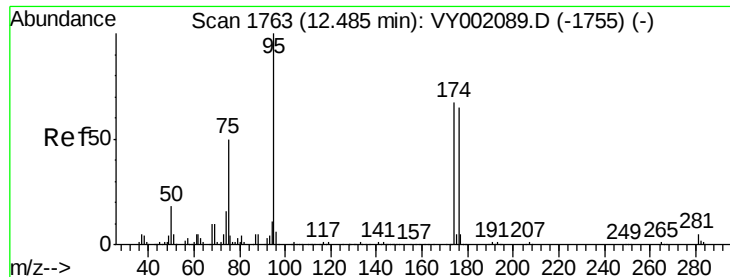
10.05

10.10

10.15

Time-->

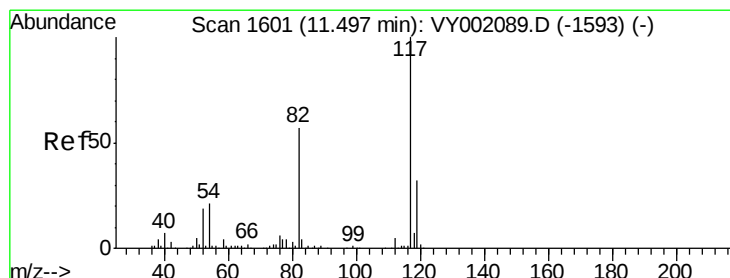
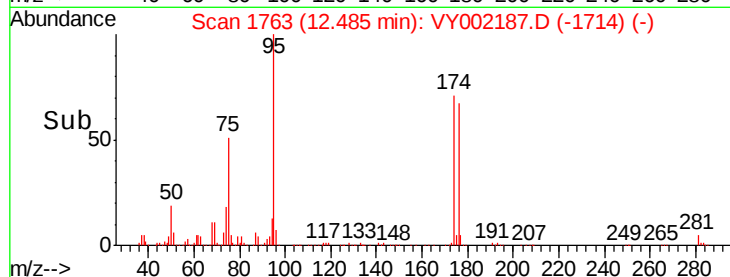
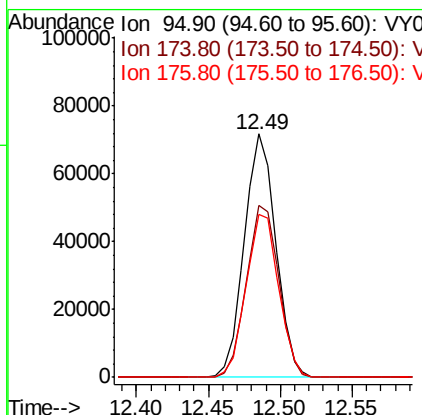
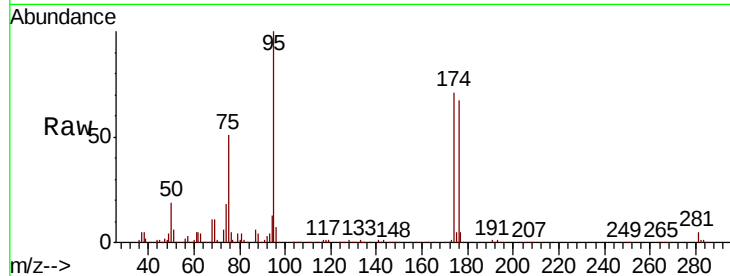




#62
4-Bromofluorobenzene
Concen: 53.866 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002187.D
Acq: 02 Apr 2020 13:24

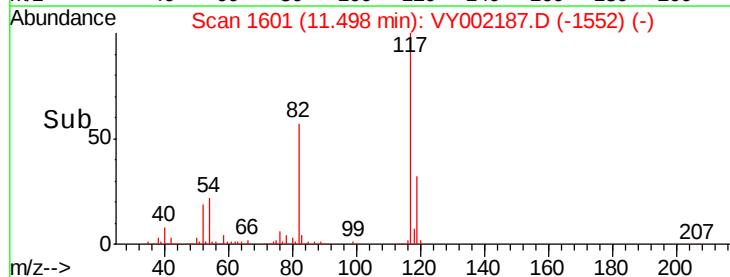
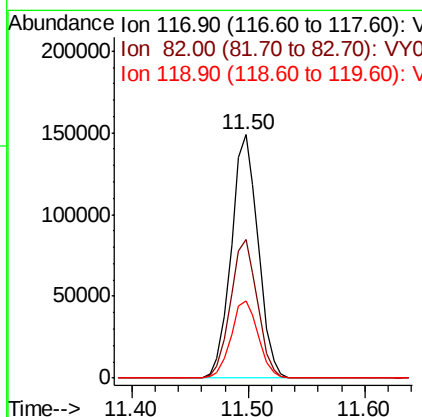
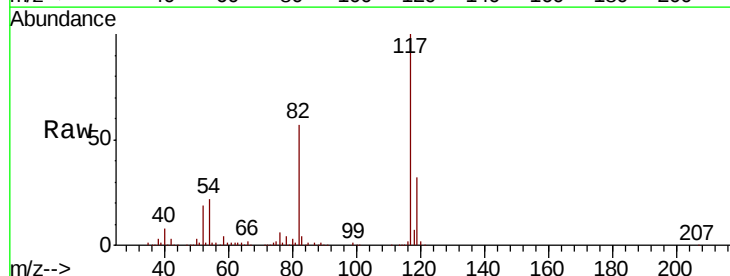
Instrument :
MSVOA_Y
ClientSampled :

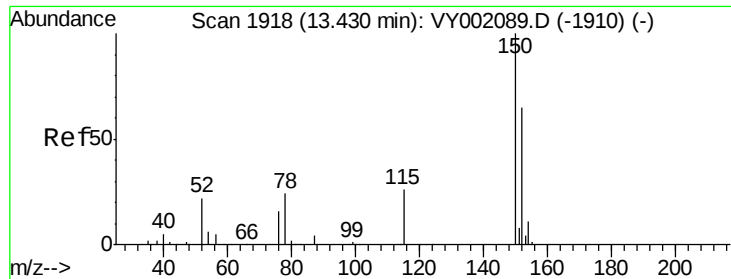
Tot Ion	95	Resp	108815
Ion Ratio	Lower	Upper	
95	100		
174	72.6	0.0	143.4
176	69.1	0.0	137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002187.D
Acq: 02 Apr 2020 13:24

Tgt Ion	117	Resp	238454
Ion Ratio	Lower	Upper	
117	100		
82	57.1	45.4	68.2
119	31.6	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002187.D

Acq: 02 Apr 2020 13:24

Instrument :

MSVOA_Y

ClientSampled :

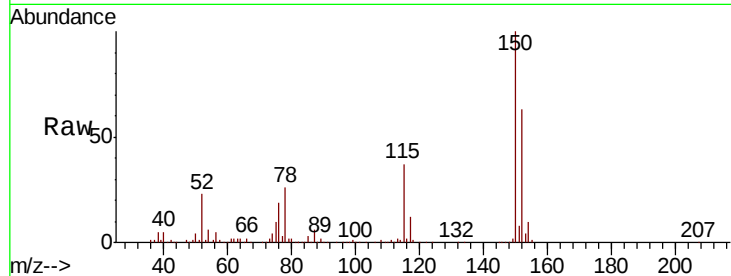
Tot Ion:152 Resp: 103900

Ion Ratio Lower Upper

152 100

115 61.5 31.2 93.6

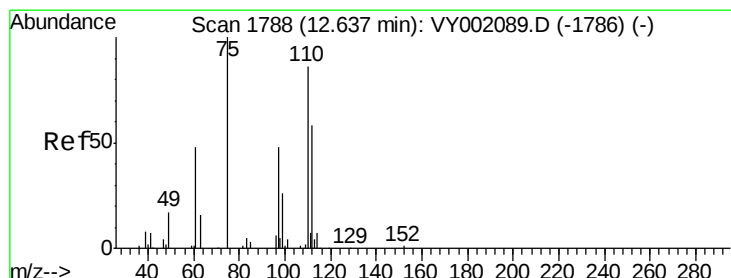
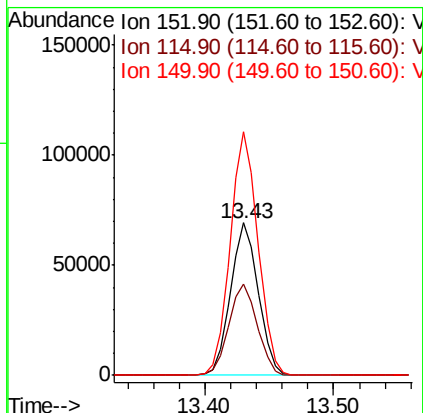
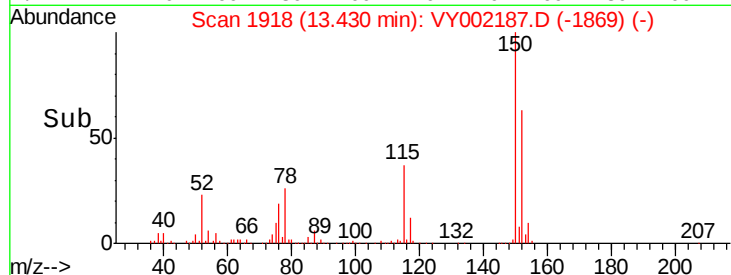
150 159.9 0.0 354.8



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: 48.654 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002187.D

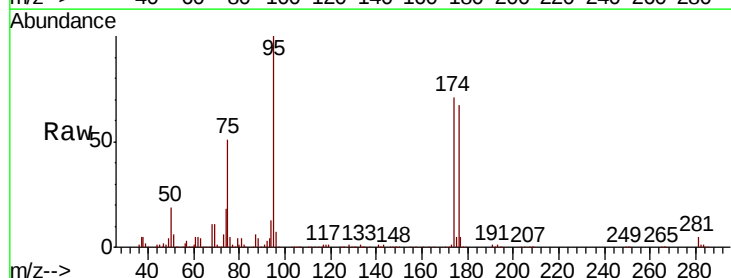
Acq: 02 Apr 2020 13:24

Tgt Ion: 75 Resp: 56547

Ion Ratio Lower Upper

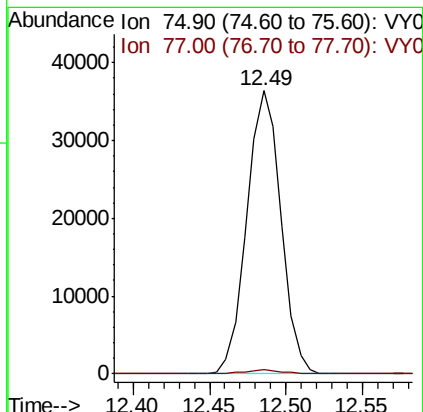
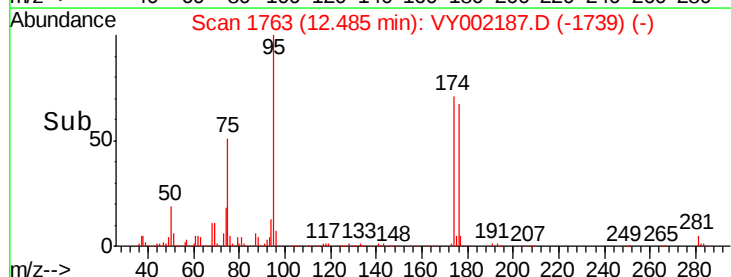
75 100

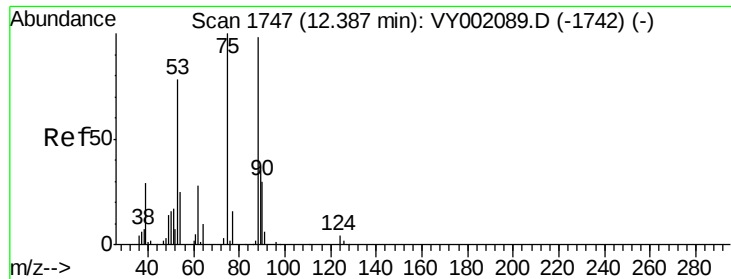
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 94.261 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002187.D

Acq: 02 Apr 2020 13:24

Instrument :

MSVOA_Y

ClientSampleId :

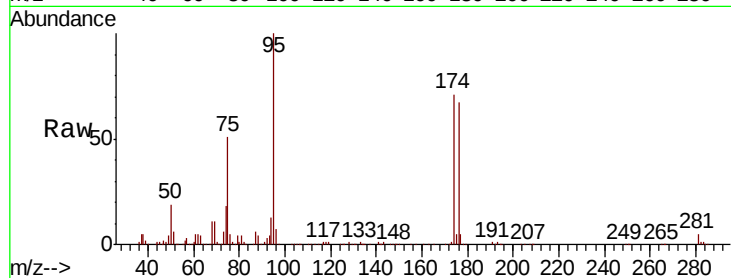
Tot Ion: 75 Resp: 56547

Ion Ratio Lower Upper

75 100

53 0.1 65.0 97.4#

89 0.2 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

