

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002205.D
 Acq On : 02 Apr 2020 20:05
 Operator : SY/MD
 Sample : L2148-04
 Misc : 3.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 03 03:18:40 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

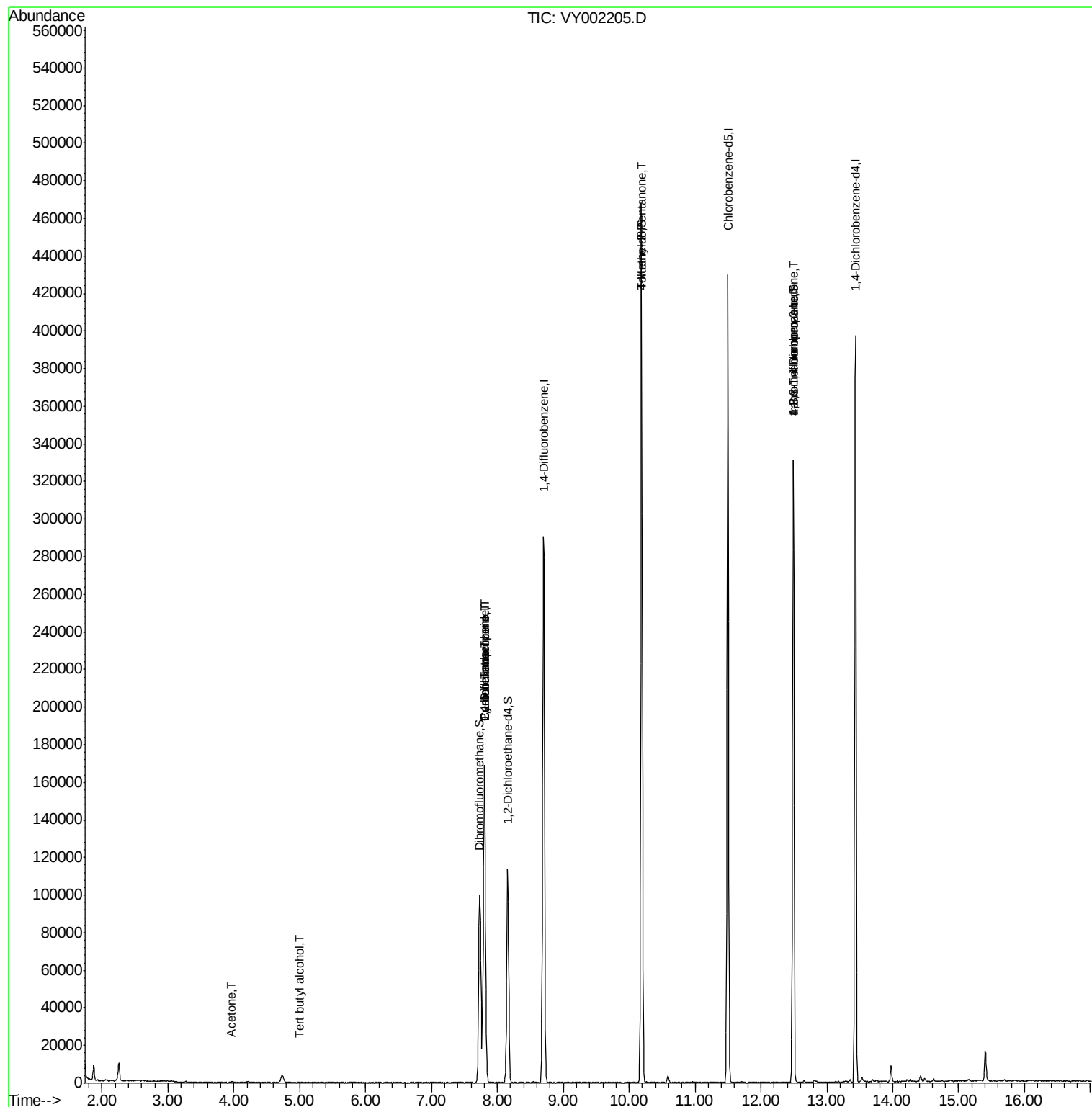
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	124132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	243712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	225184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	95937	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	82578	60.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.36%	
35) Dibromofluoromethane	7.73	113	72692	53.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.46%	
50) Toluene-d8	10.19	98	297234	52.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.49	95	101258	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.00	59	170	1.051	ug/l #	74
16) Acetone	3.96	43	936	2.428	ug/l #	81
20) Methylene Chloride	4.72	84	2855	Below Cal	#	86
31) Cyclohexane	7.80	56	3029	1.059	ug/l #	11
36) 1,1-Dichloropropene	7.80	75	10452	4.534	ug/l #	51
38) Carbon Tetrachloride	7.80	117	12732	6.510	ug/l #	18
51) 4-Methyl-2-Pentanone	10.19	43	1361	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	53092	49.473	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53092	95.847	ug/l #	17

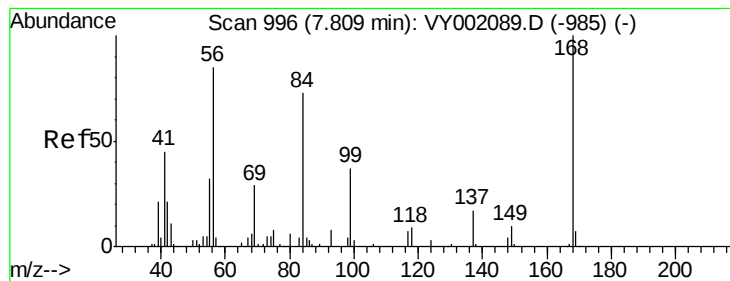
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002205.D

Acq: 02 Apr 2020 20:05

Instrument :

MSVOA_Y

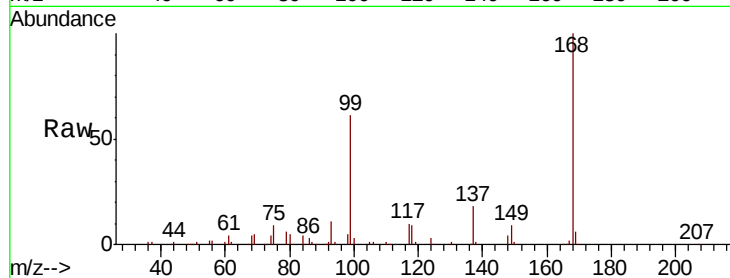
ClientSampled :

Tot Ion:168 Resp: 124132

Ion Ratio Lower Upper

168 100

99 61.3 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002205.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002205.D (-947) (-)

7.80

60000

50000

40000

30000

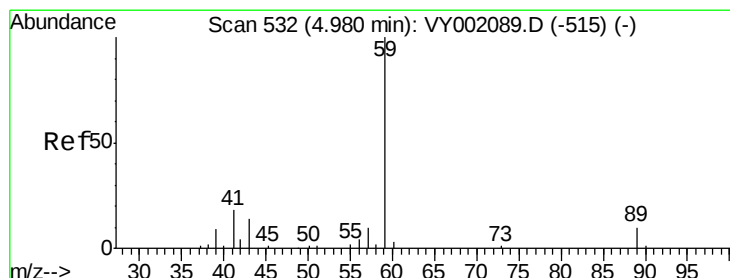
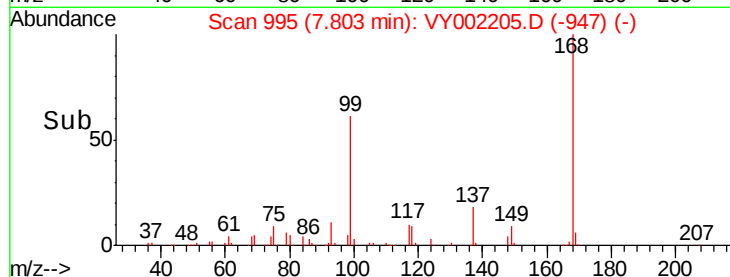
20000

10000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 1.051 ug/l

RT: 5.00 min Scan# 535

Delta R.T. 0.02 min

Lab File: VY002205.D

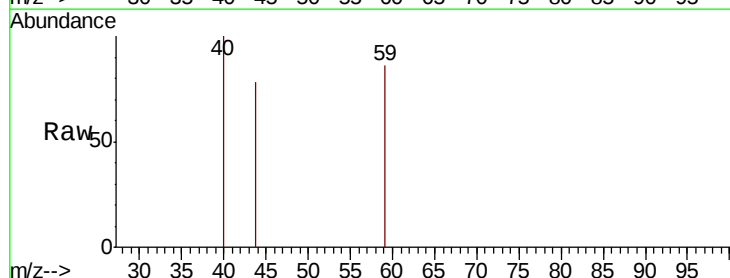
Acq: 02 Apr 2020 20:05

Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002205.D (-483) (-)

Ion 57.00 (56.70 to 57.70): VY002205.D (-483) (-)

5.00

120

100

80

60

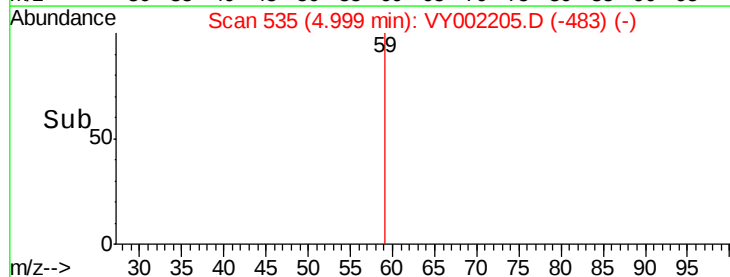
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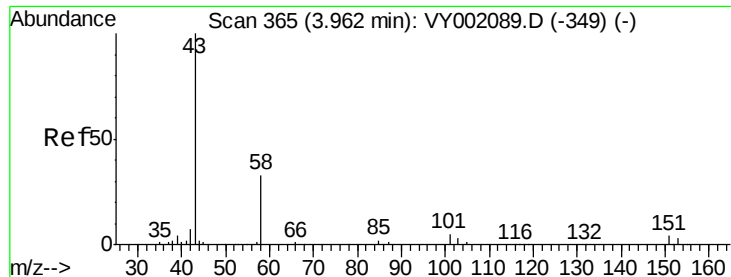
20

0

4.94 4.96 4.98 5.00 5.02

Time-->





#16

Acetone

Concen: 2.428 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY002205.D

Acq: 02 Apr 2020 20:05

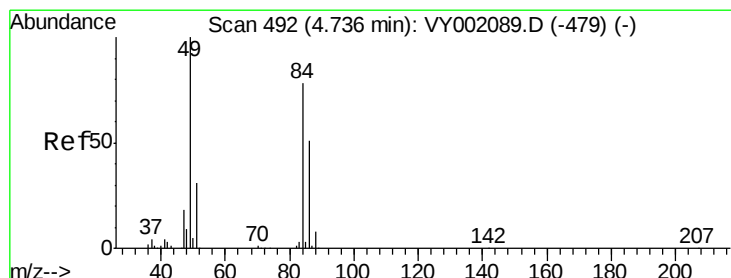
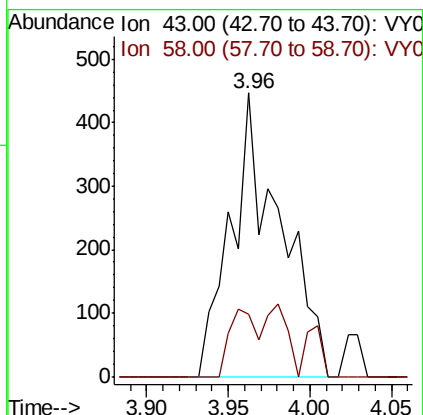
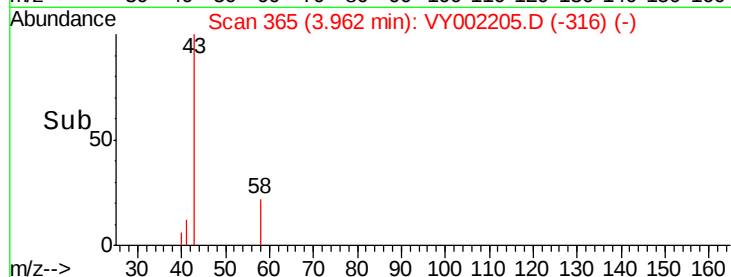
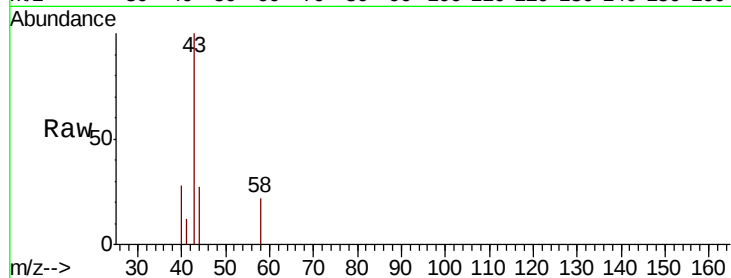
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 936

Ion Ratio Lower Upper

43 100

58 22.1 26.3 39.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. -0.01 min

Lab File: VY002205.D

Acq: 02 Apr 2020 20:05

Tgt Ion: 84 Resp: 2855

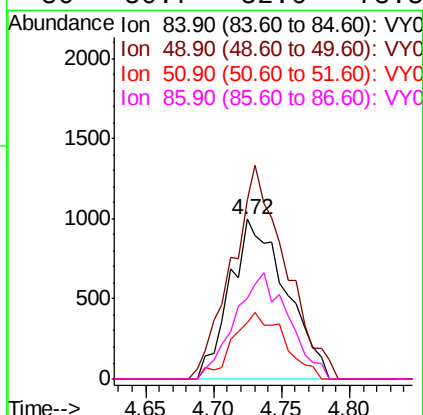
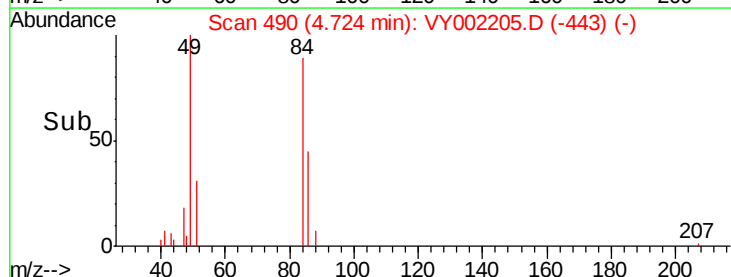
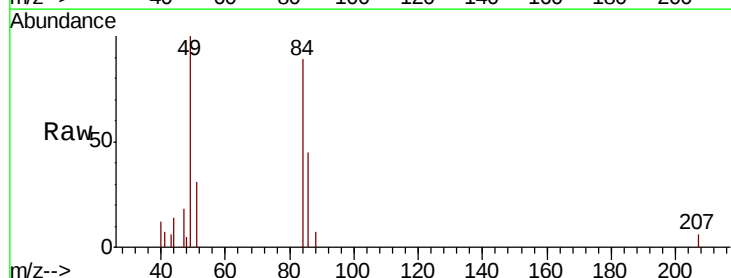
Ion Ratio Lower Upper

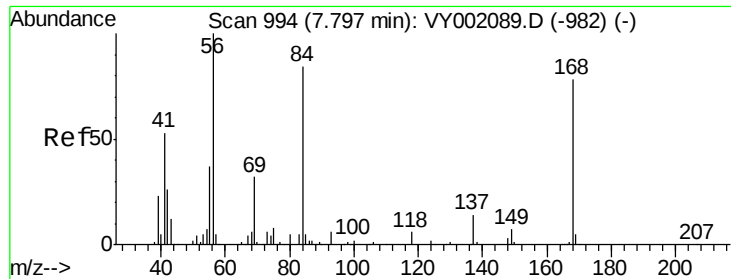
84 100

49 112.3 102.2 153.4

51 35.3 31.2 46.8

86 50.7 52.6 78.8#

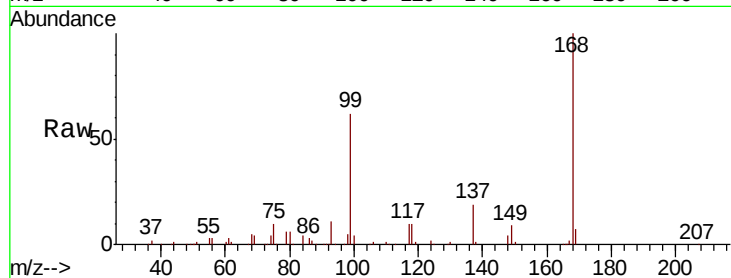




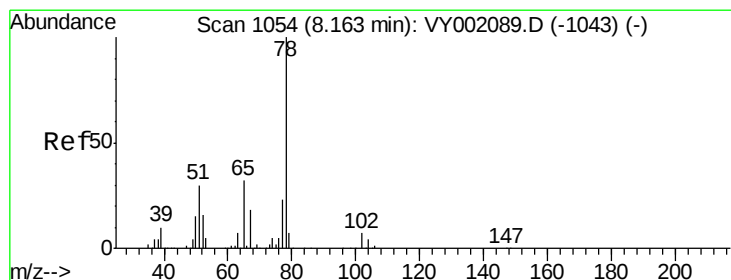
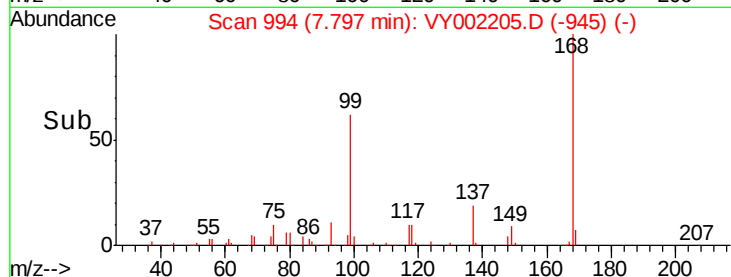
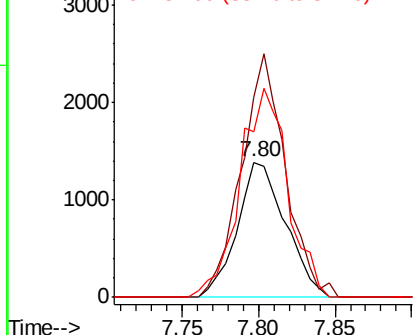
#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002205.D
Acq: 02 Apr 2020 20:05

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3029
Ion Ratio Lower Upper
56 100
69 148.0 25.8 38.8#
84 122.8 67.1 100.7#

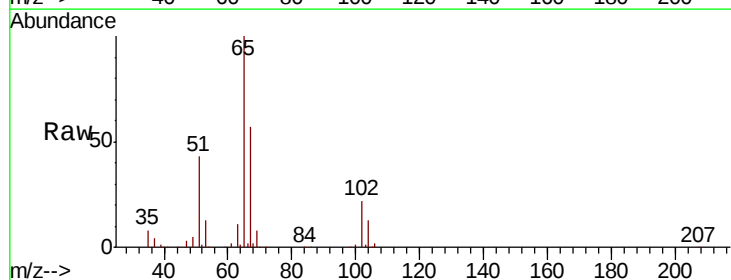


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

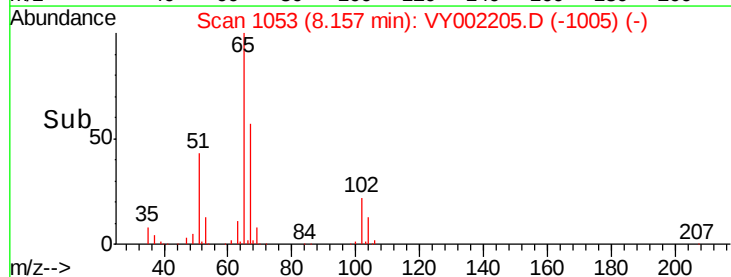
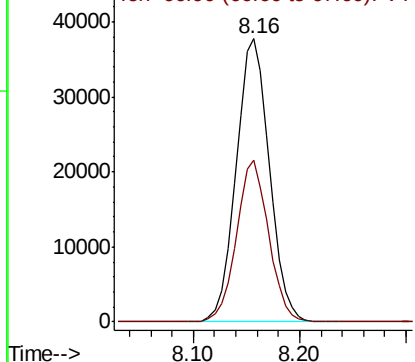


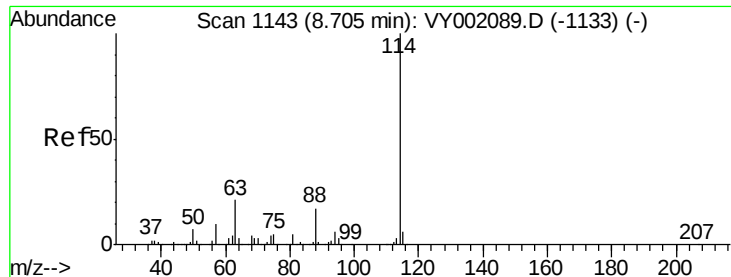
#33
1,2-Dichloroethane-d4
Concen: 60.177 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY002205.D
Acq: 02 Apr 2020 20:05

Tgt Ion: 65 Resp: 82578
Ion Ratio Lower Upper
65 100
67 55.3 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

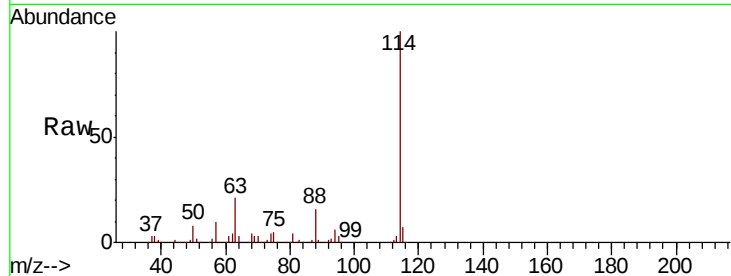




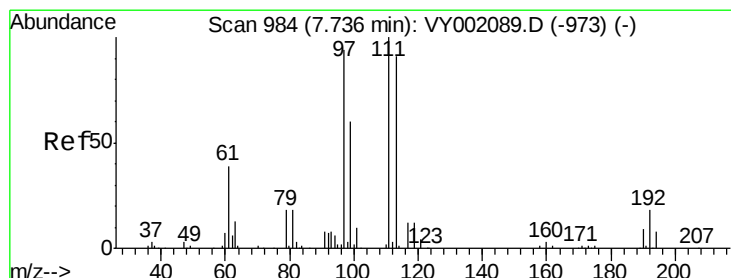
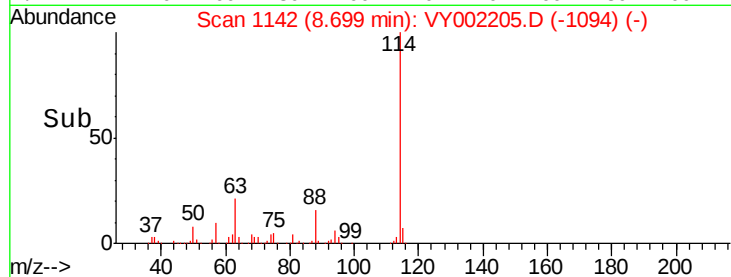
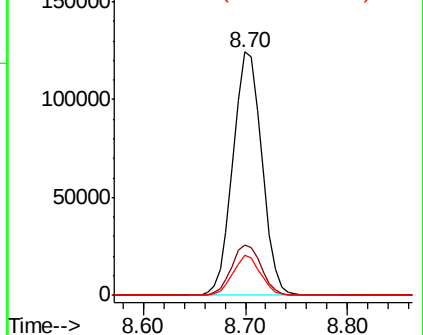
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002205.D
 Acq: 02 Apr 2020 20:05

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	16.2	0.0	33.0

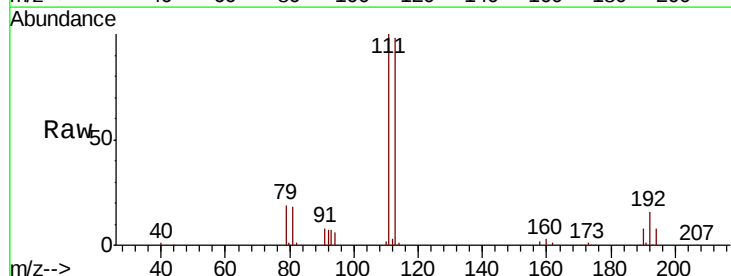


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

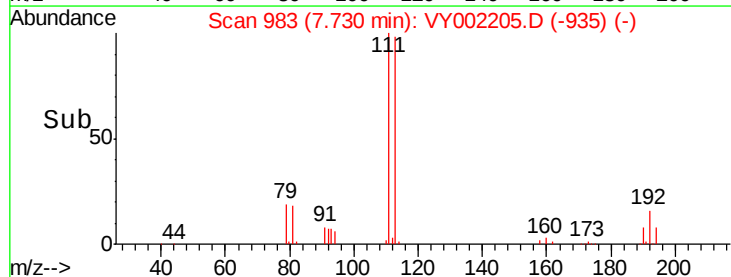
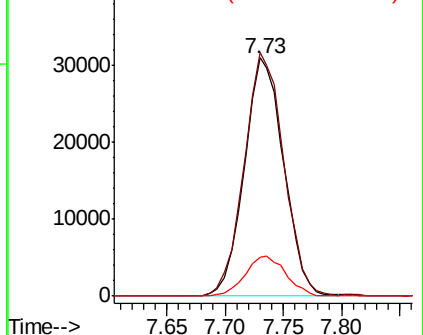


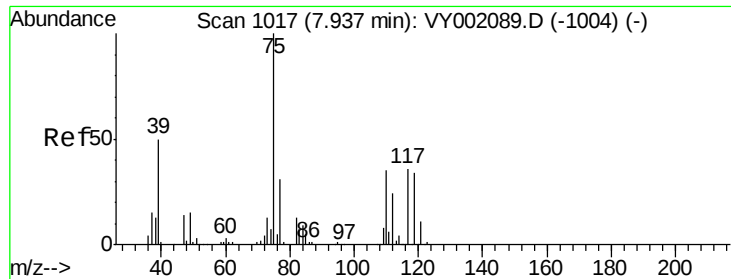
#35
 Dibromofluoromethane
 Concen: 53.233 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002205.D
 Acq: 02 Apr 2020 20:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.4	126.6
192	17.3	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

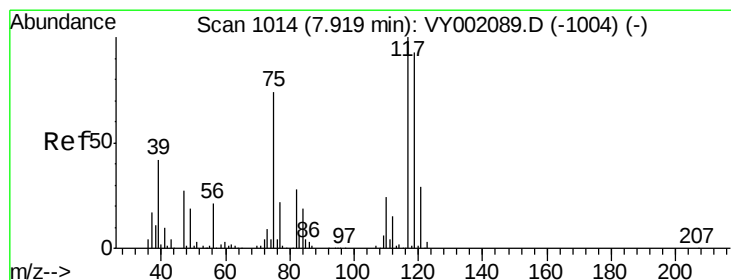
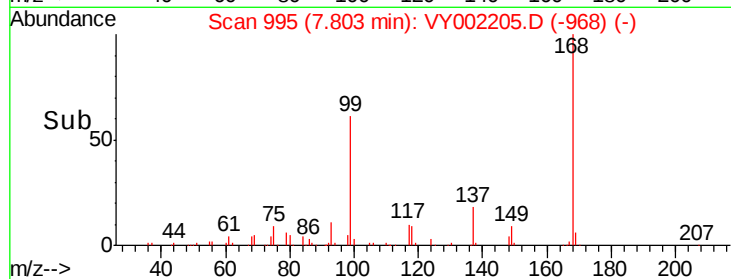
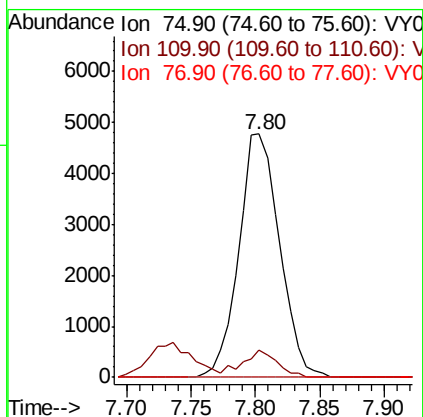
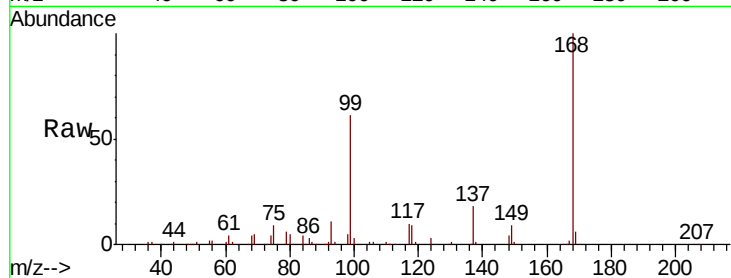




#36
 1,1-Dichloropropene
 Concen: 4.534 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002205.D
 Acq: 02 Apr 2020 20:05

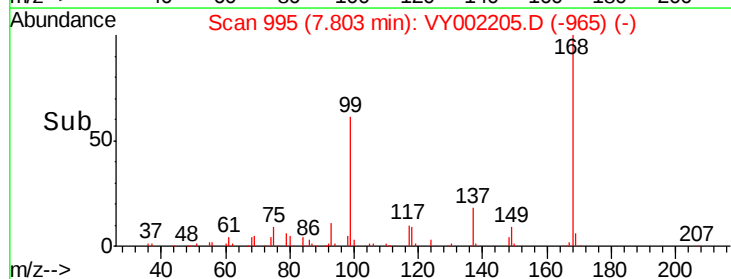
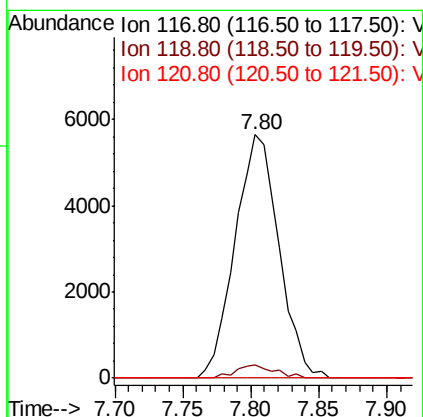
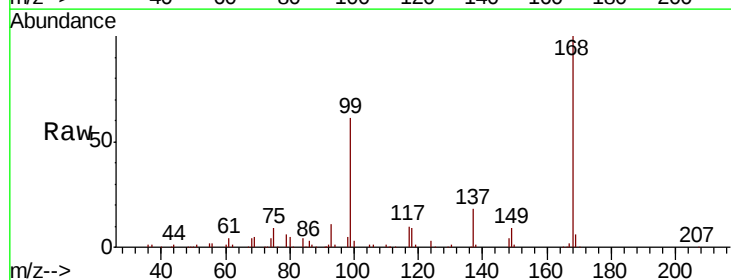
Instrument :
 MSVOA_Y
 ClientSampleId :

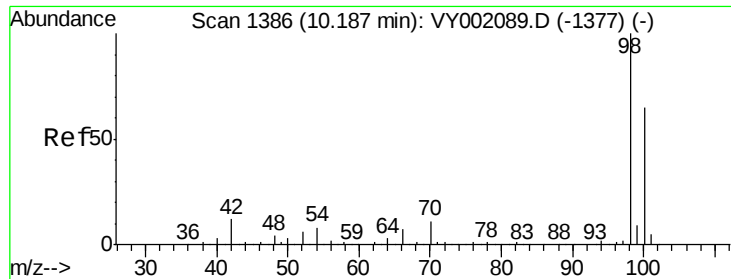
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.510 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002205.D
 Acq: 02 Apr 2020 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 52.396 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002205.D

Acq: 02 Apr 2020 20:05

Instrument :

MSVOA_Y

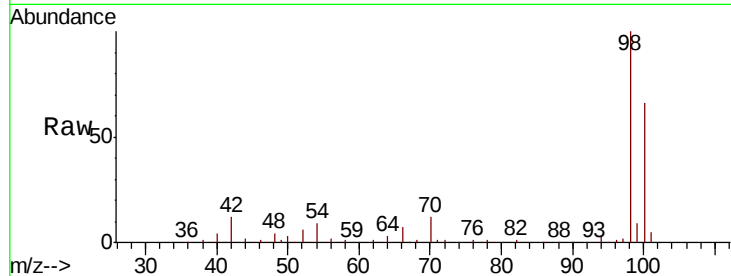
ClientSampleId :

Tot Ion: 98 Resp: 297234

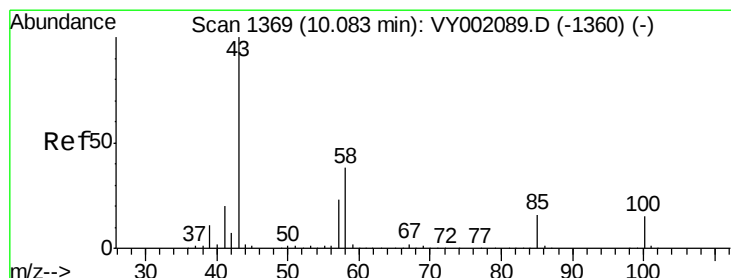
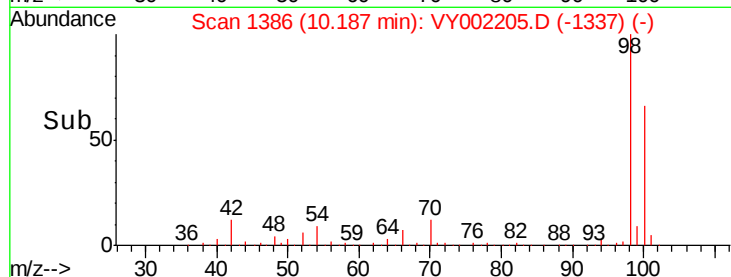
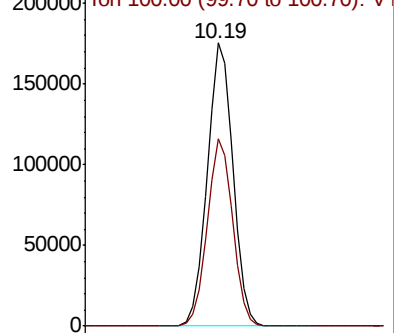
Ion Ratio Lower Upper

98 100

100 65.4 51.6 77.4



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



#51

4-Methyl-2-Pentanone

Concen: 1.022 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002205.D

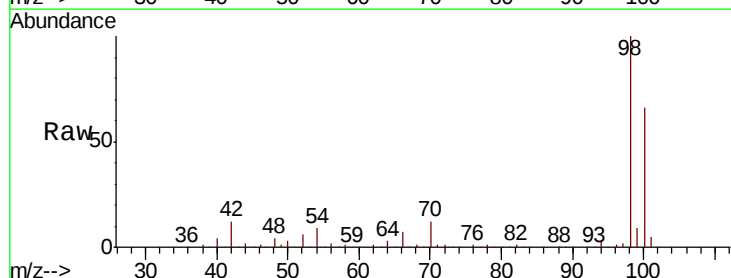
Acq: 02 Apr 2020 20:05

Tgt Ion: 43 Resp: 1361

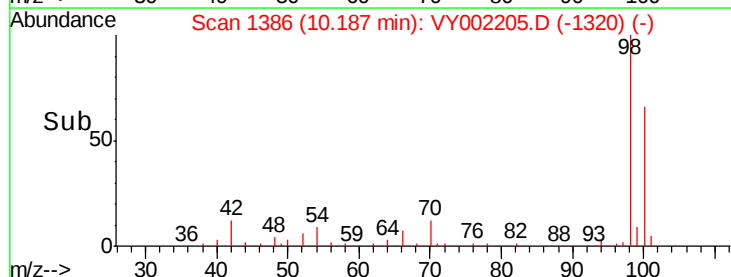
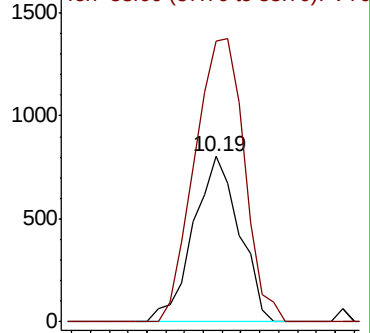
Ion Ratio Lower Upper

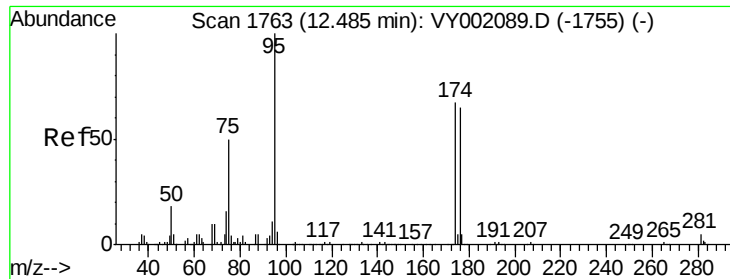
43 100

58 184.3 31.6 47.4#



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

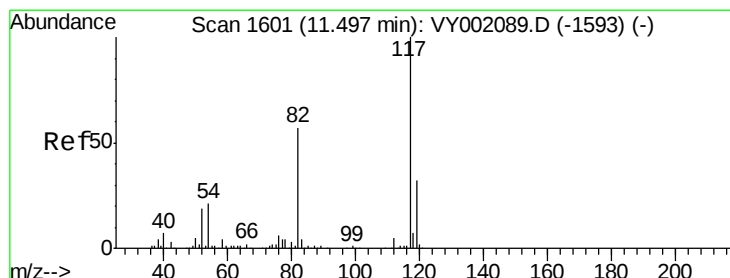
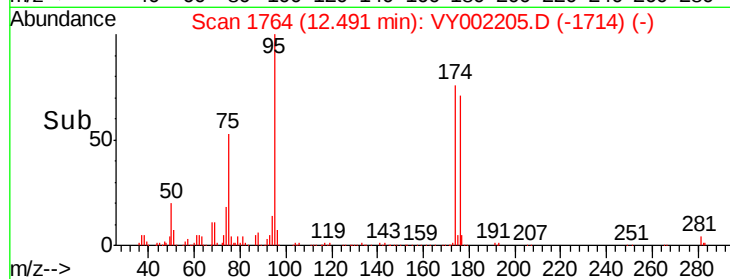
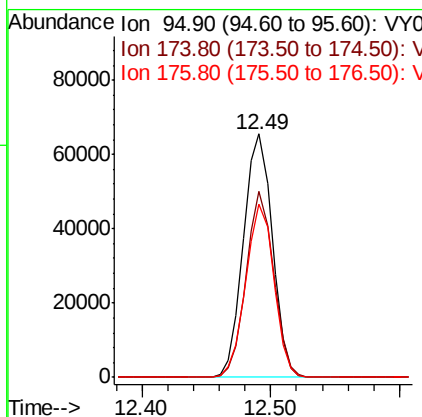
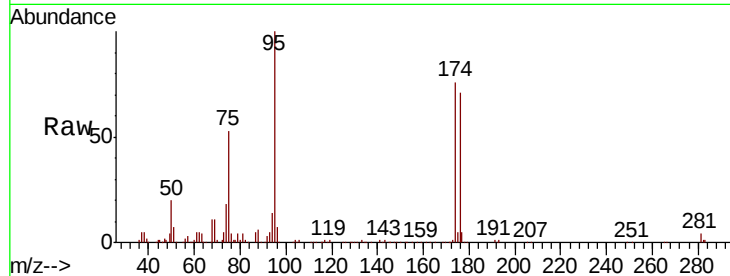




#62
4-Bromofluorobenzene
Concen: 51.038 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002205.D
Acq: 02 Apr 2020 20:05

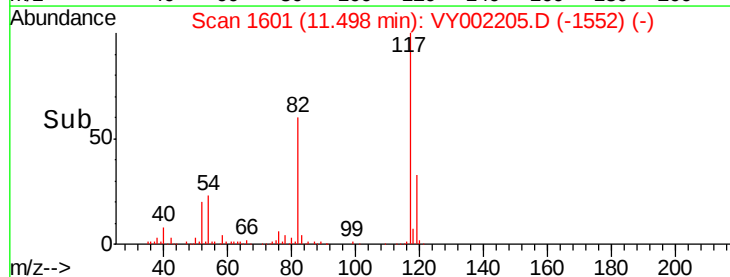
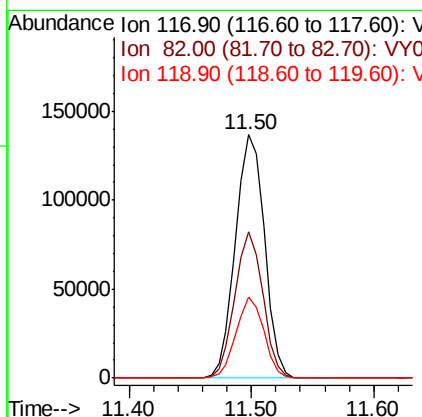
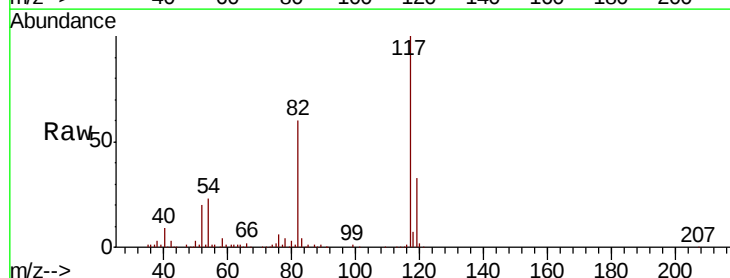
Instrument :
MSVOA_Y
ClientSampleId :

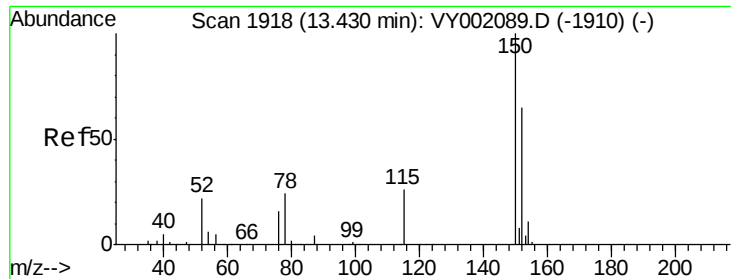
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	143.4
176	69.5	0.0	137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002205.D
Acq: 02 Apr 2020 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.4	68.2
119	33.4	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002205.D

Acq: 02 Apr 2020 20:05

Instrument :

MSVOA_Y

ClientSampleId :

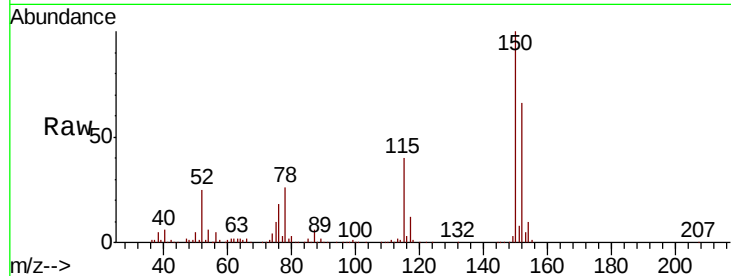
Tot Ion:152 Resp: 95937

Ion Ratio Lower Upper

152 100

115 60.8 31.2 93.6

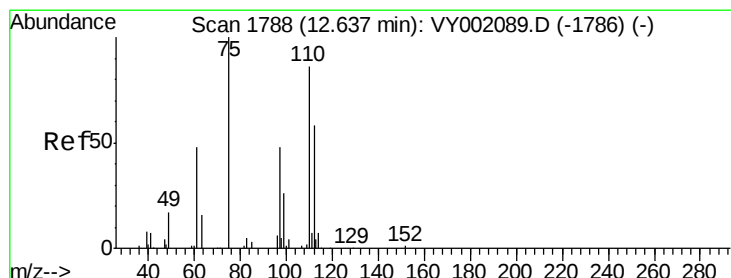
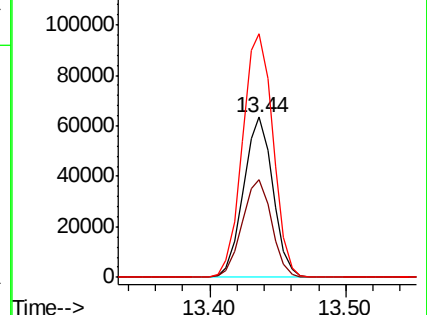
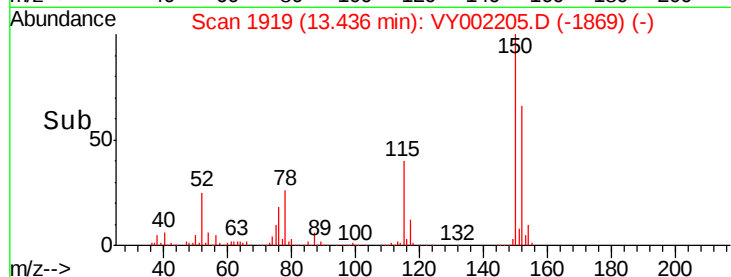
150 157.7 0.0 354.8



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: 49.473 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002205.D

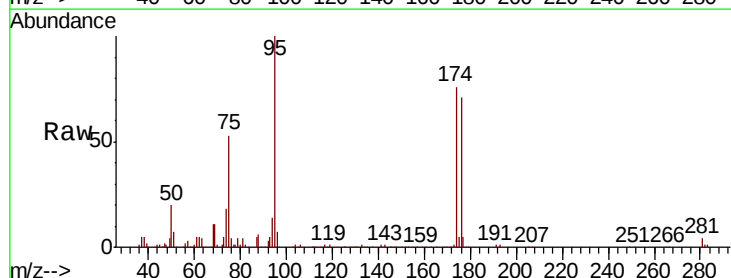
Acq: 02 Apr 2020 20:05

Tgt Ion: 75 Resp: 53092

Ion Ratio Lower Upper

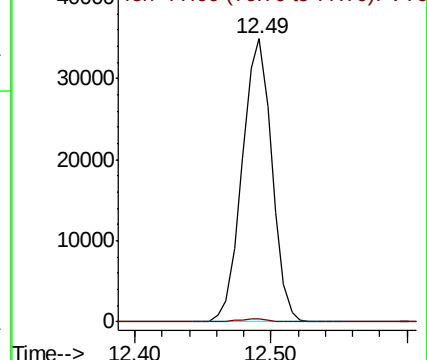
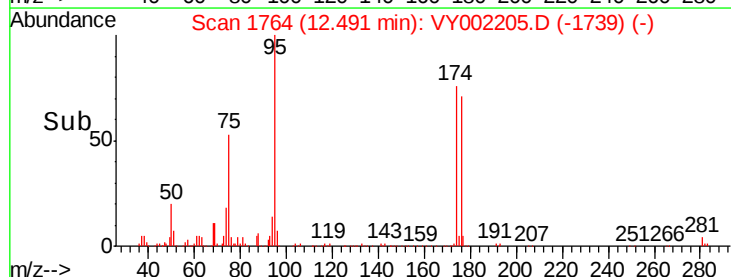
75 100

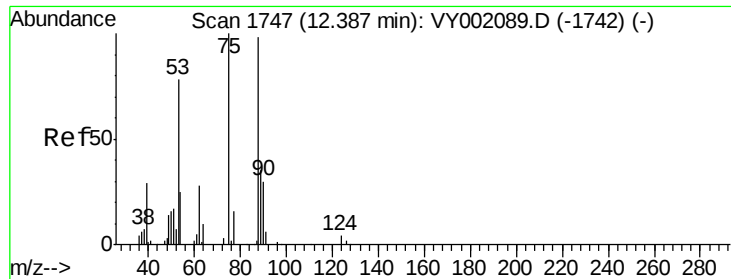
77 1.1 0.0 0.0#



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: 95.847 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002205.D

Acq: 02 Apr 2020 20:05

Instrument :

MSVOA_Y

ClientSampleId :

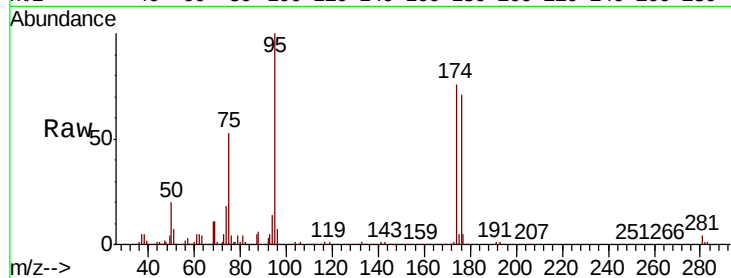
Tot Ion: 75 Resp: 53092

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.1 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

