

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001248.D
 Acq On : 16 Jan 2020 03:25
 Operator : SY/MD
 Sample : L1136-12
 Misc : 7.74G/5ML/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB458_200113_36-38

Quant Time: Jan 16 04:57:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	174466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	312613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	277799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	122300	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	98291	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	7.73	113	92046	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.18	98	367034	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.48	95	129846	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

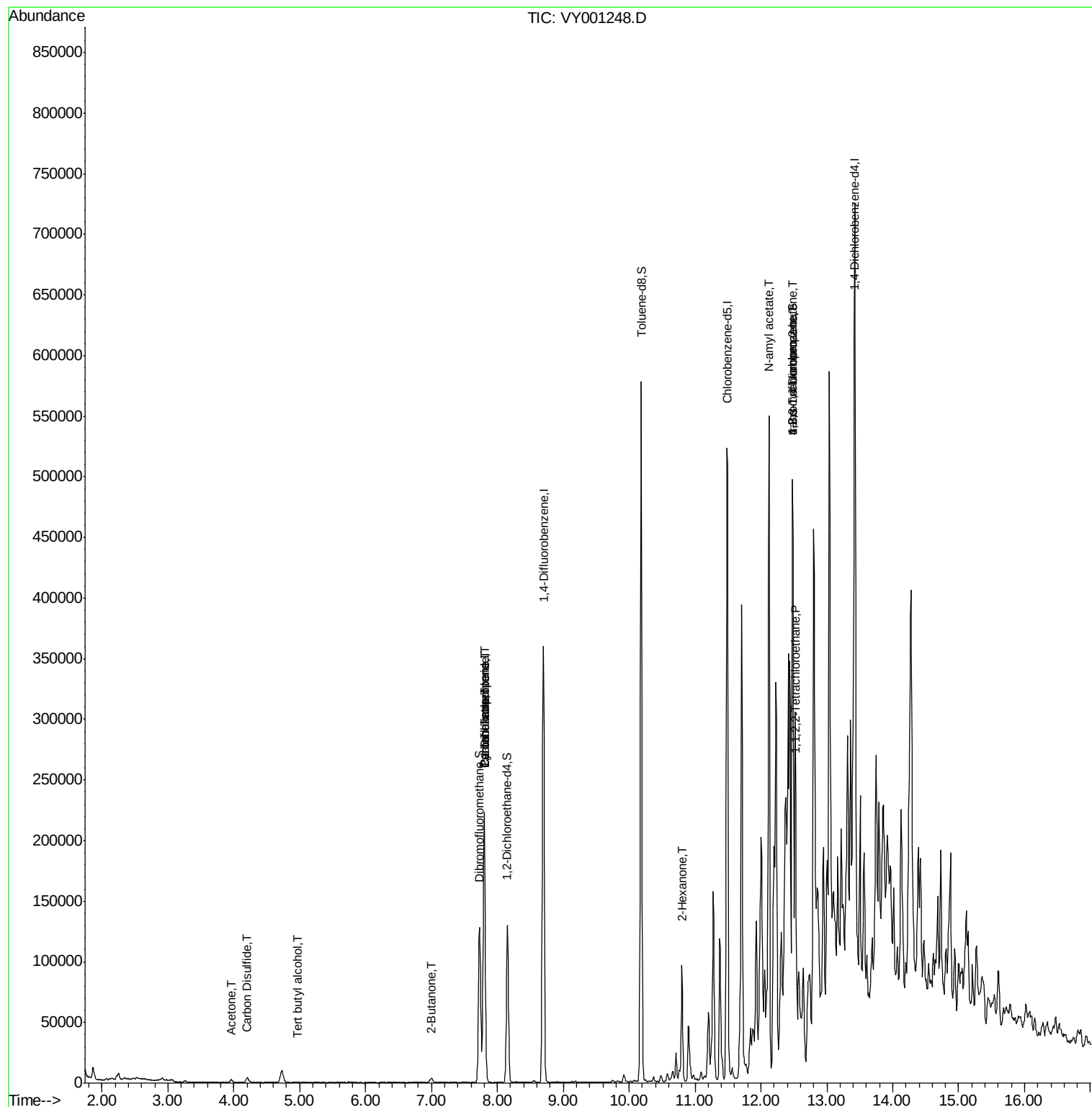
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	279	1.505	ug/l #	73
16) Acetone	3.96	43	4227	9.877	ug/l	100
17) Carbon Disulfide	4.20	76	7196	1.247	ug/l	100
20) Methylene Chloride	4.73	84	7454	Below Cal	#	87
25) 2-Butanone	7.00	43	1888	2.835	ug/l #	82
31) Cyclohexane	7.80	56	3792	1.064	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12804	4.494	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16981	6.503	ug/l #	14
59) 2-Hexanone	10.80	43	36892	32.445	ug/l #	27
74) N-amyl acetate	12.12	43	112915	39.352	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.53	83	7697	3.979	ug/l #	80
76) 1,2,3-Trichloropropane	12.48	75	61580	47.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	61580	79.761	ug/l #	8

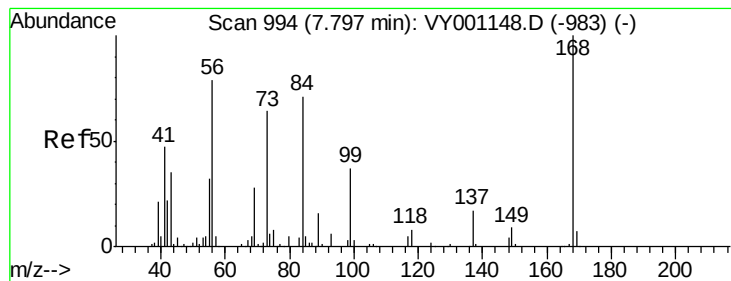
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Instrument :

MSVOA_Y

ClientSampleId :

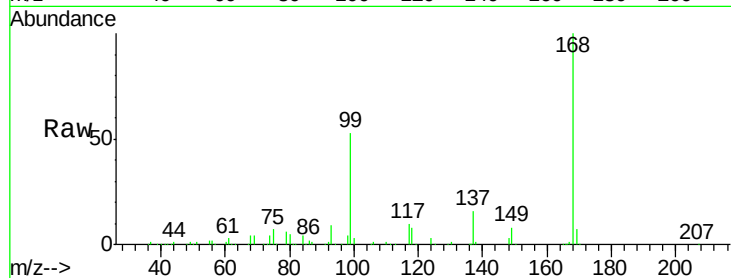
WP022SB458_200113_36-38

Tgt Ion:168 Resp: 174466

Ion Ratio Lower Upper

168 100

99 53.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

40000

20000

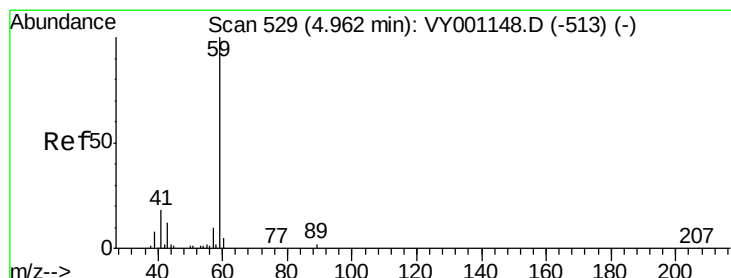
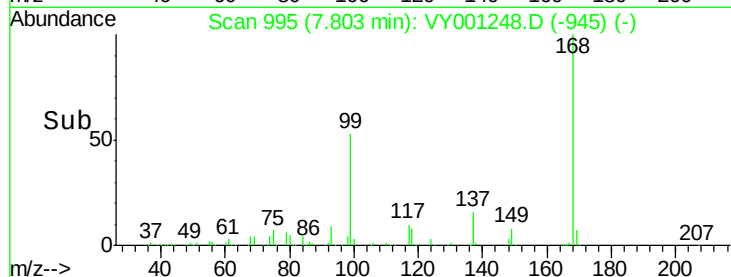
0

7.70

7.80

7.90

Time-->



#11

Tert butyl alcohol

Concen: 1.505 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY001248.D

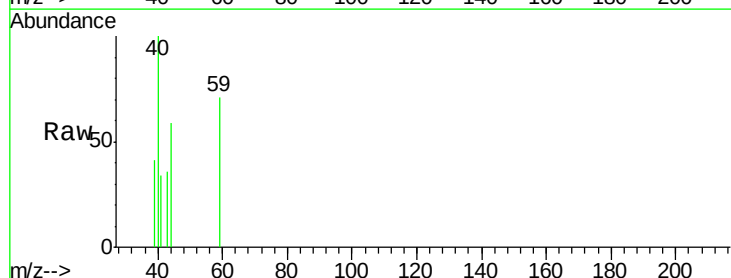
Acq: 16 Jan 2020 03:25

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)

4.97

150

100

50

0

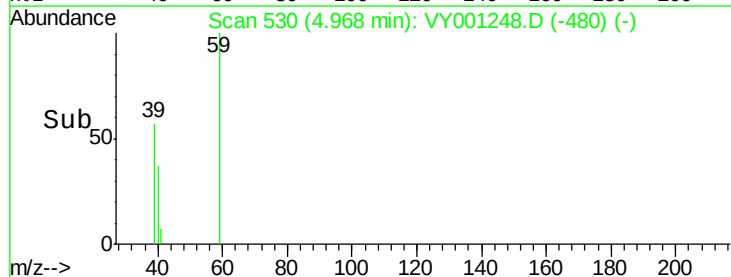
4.92

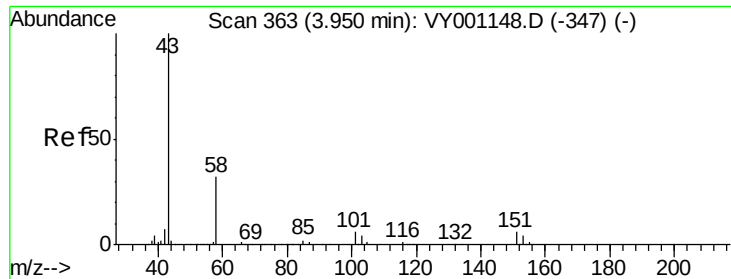
4.94

4.96

4.98

Time-->





#16

Acetone

Concen: 9.877 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Instrument :

MSVOA_Y

ClientSampleId :

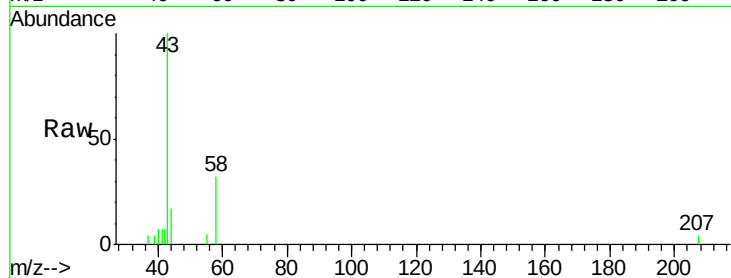
WP022SB458_200113_36-38

Tgt Ion: 43 Resp: 4227

Ion Ratio Lower Upper

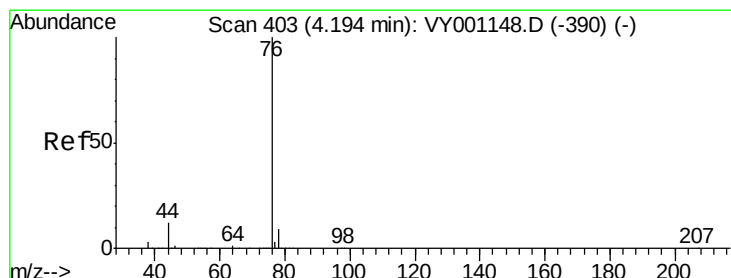
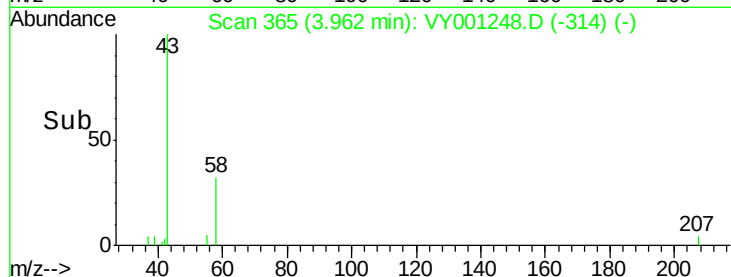
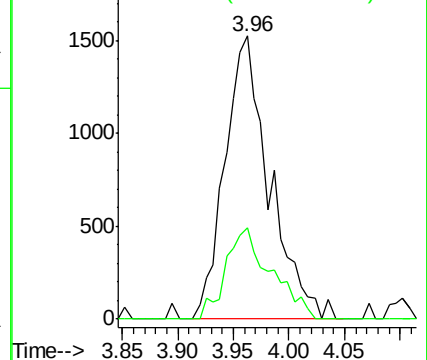
43 100

58 32.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 1.247 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001248.D

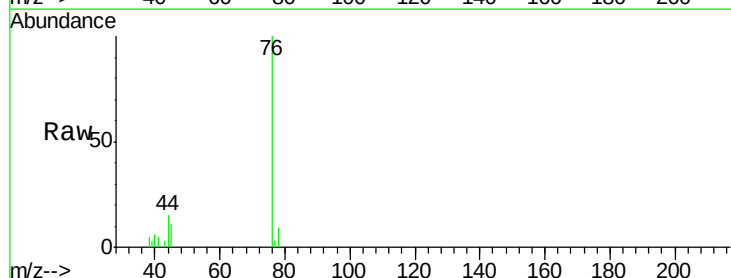
Acq: 16 Jan 2020 03:25

Tgt Ion: 76 Resp: 7196

Ion Ratio Lower Upper

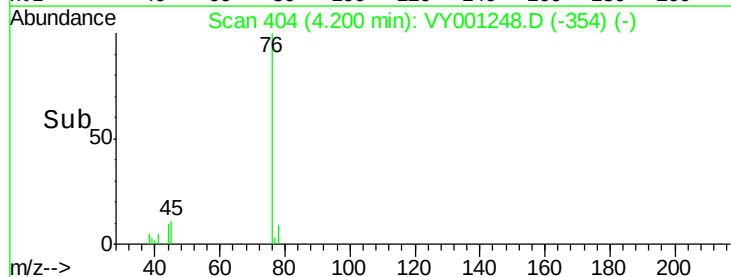
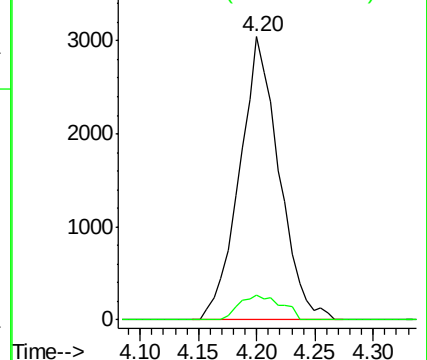
76 100

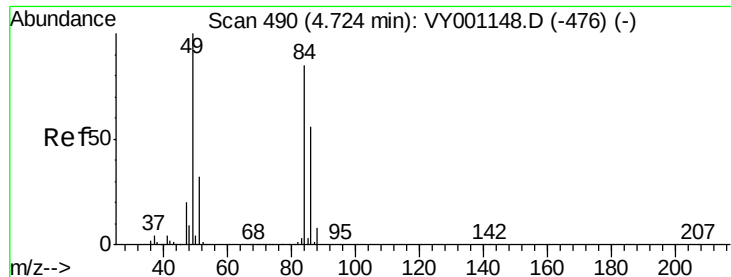
78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

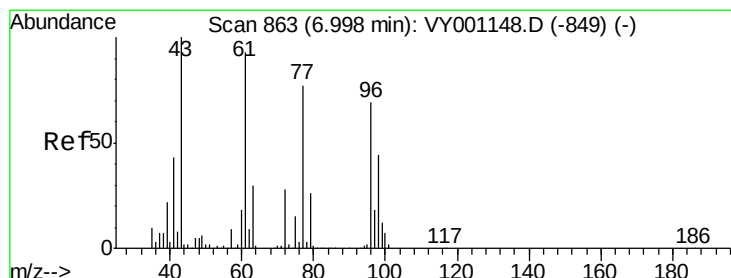
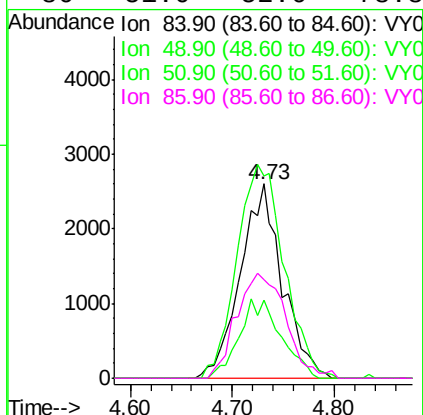
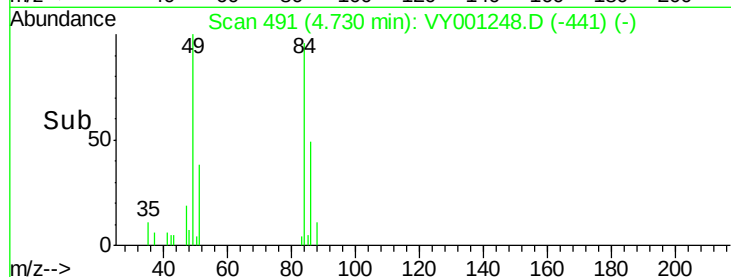
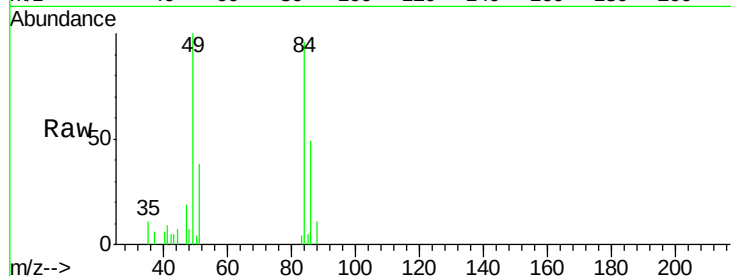




#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001248.D
Acq: 16 Jan 2020 03:25

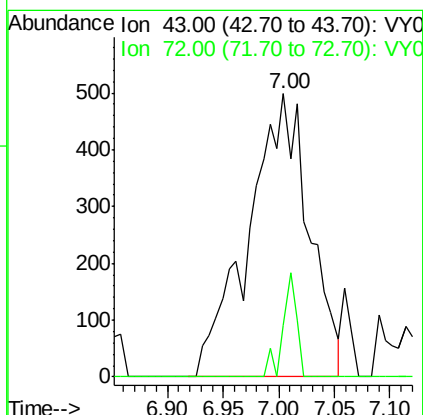
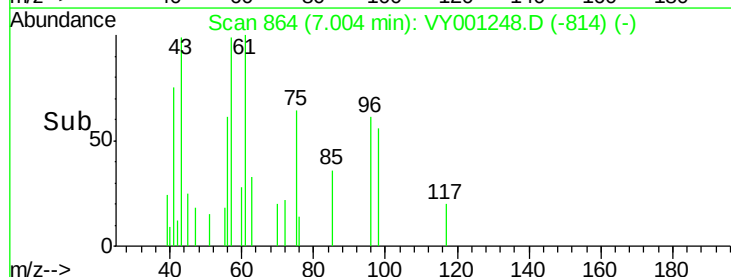
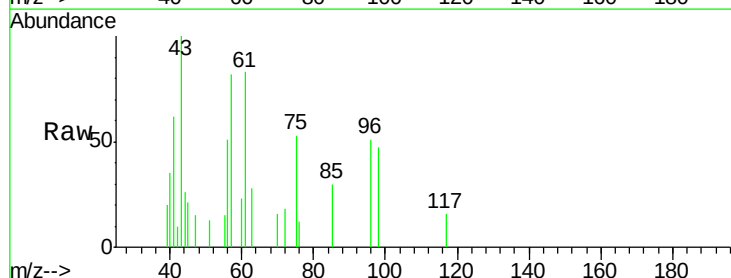
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB458_200113_36-38

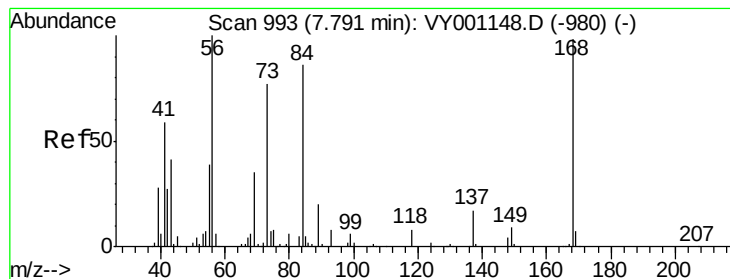
Tgt Ion: 84 Resp: 7454
Ion Ratio Lower Upper
84 100
49 104.2 93.8 140.6
51 40.0 29.9 44.9
86 51.0 52.6 78.8#



#25
2-Butanone
Concen: 2.835 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001248.D
Acq: 16 Jan 2020 03:25

Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
72 18.1 22.2 33.2#





#31

Cyclohexane

Concen: 1.064 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB458_200113_36-38

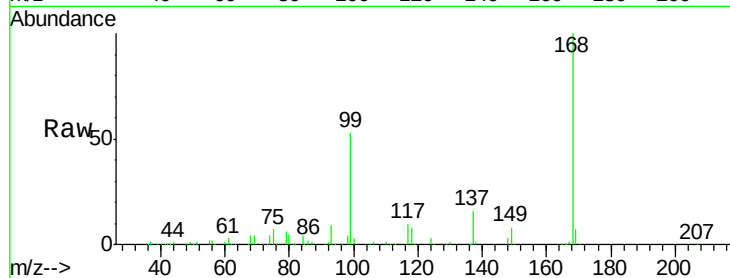
Tgt Ion: 56 Resp: 3792

Ion Ratio Lower Upper

56 100

69 177.8 27.8 41.8#

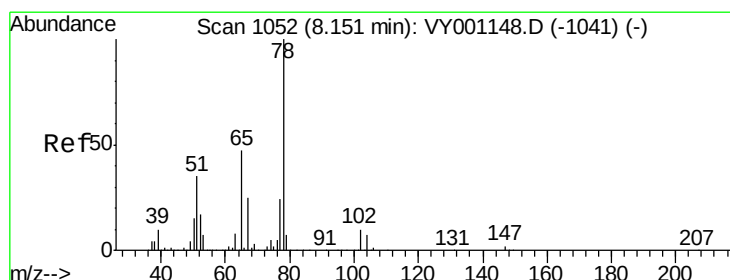
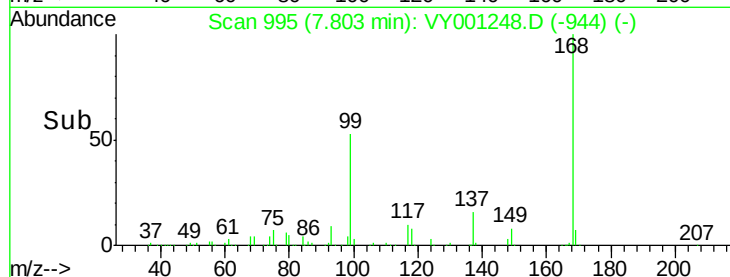
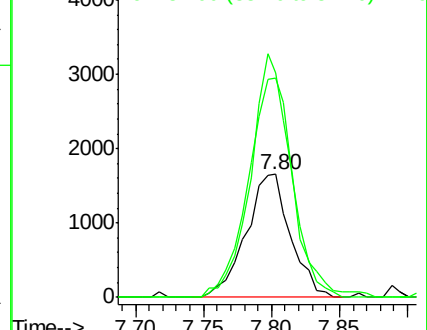
84 182.5 68.9 103.3#



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: 53.342 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001248.D

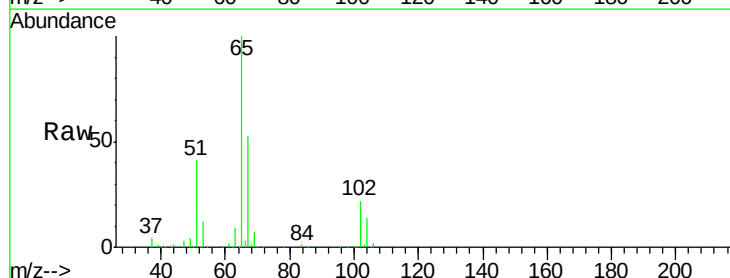
Acq: 16 Jan 2020 03:25

Tgt Ion: 65 Resp: 98291

Ion Ratio Lower Upper

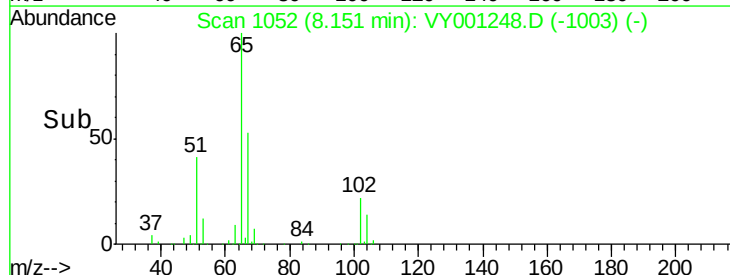
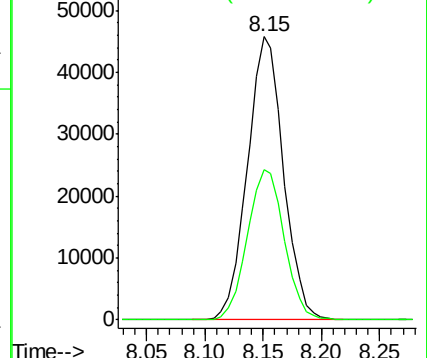
65 100

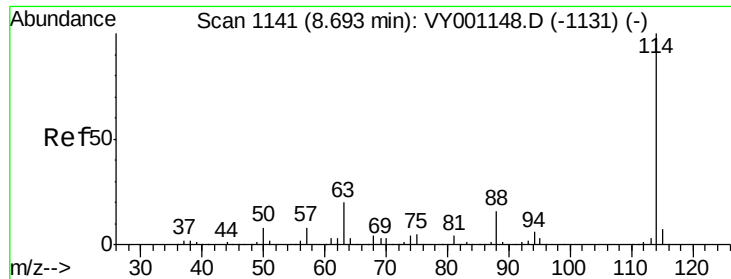
67 54.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

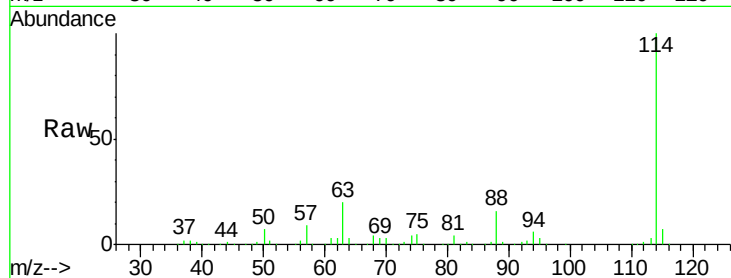




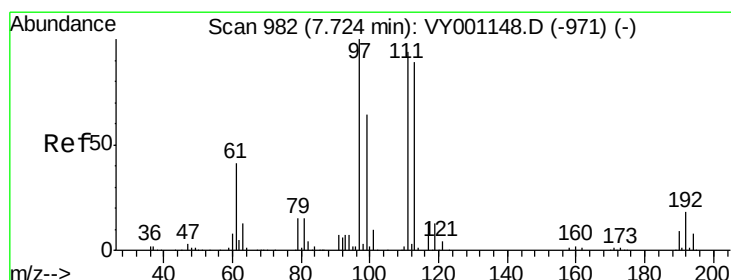
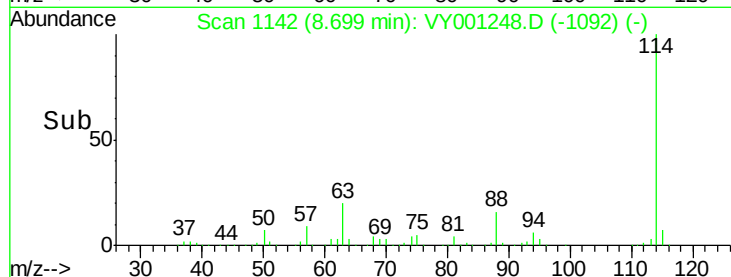
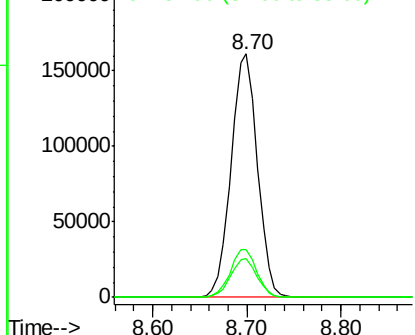
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VY001248.D
Acq: 16 Jan 2020 03:25

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB458_200113_36-38

Tgt Ion:114 Resp: 312613
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 16.0 0.0 32.4

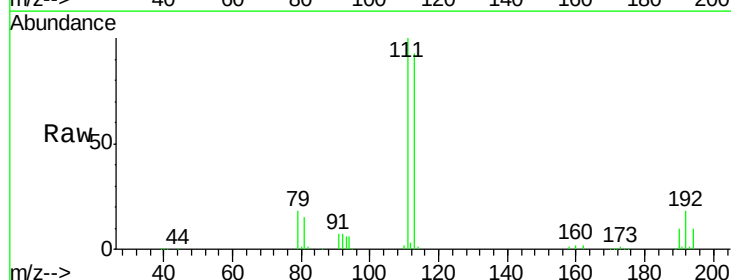


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

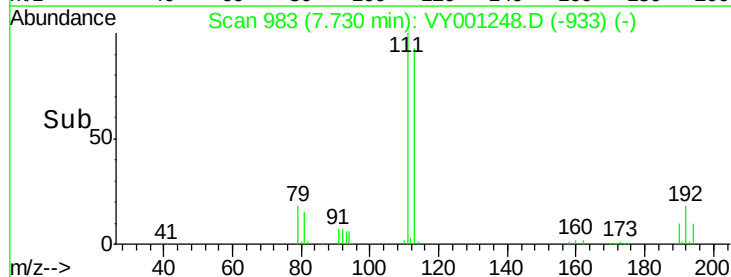
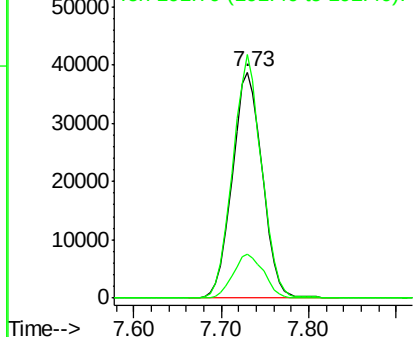


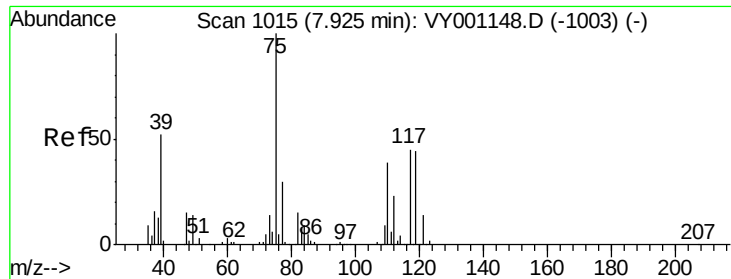
#35
Dibromofluoromethane
Concen: 50.289 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001248.D
Acq: 16 Jan 2020 03:25

Tgt Ion:113 Resp: 92046
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 19.9 15.4 23.2



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

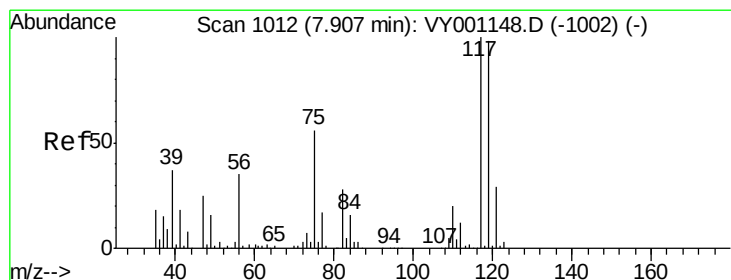
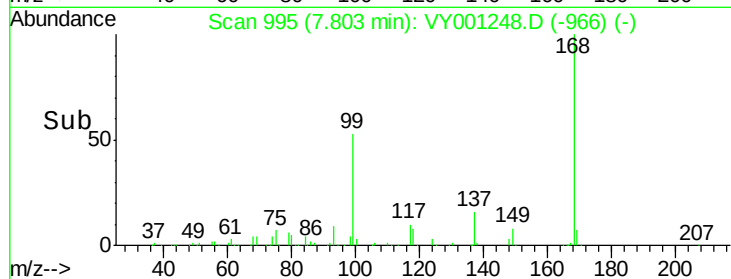
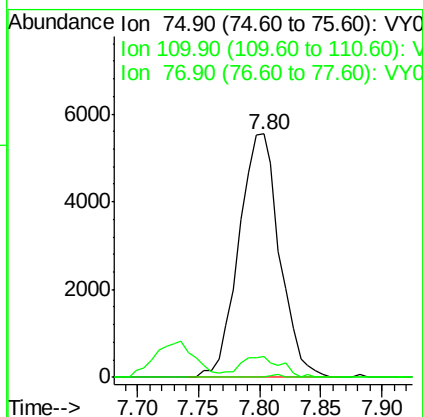
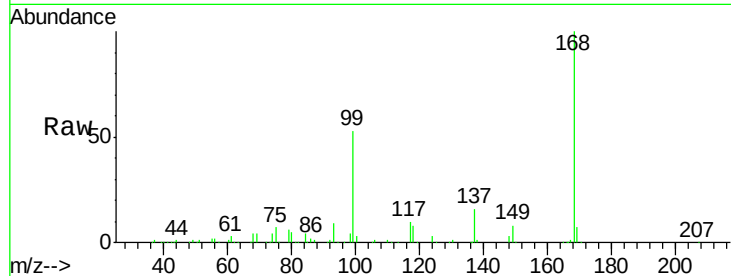




#36
 1,1-Dichloropropene
 Concen: 4.494 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001248.D
 Acq: 16 Jan 2020 03:25

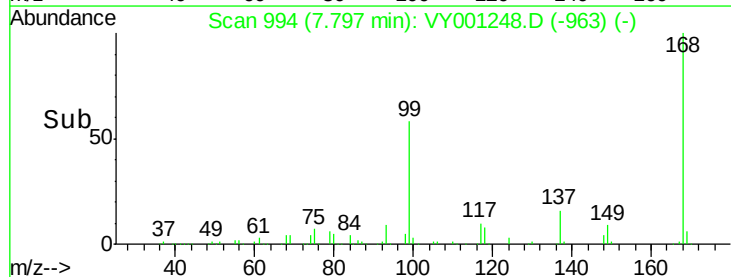
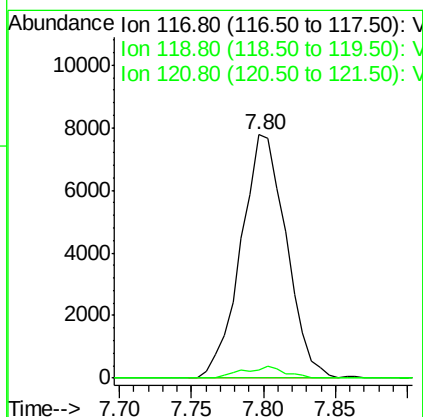
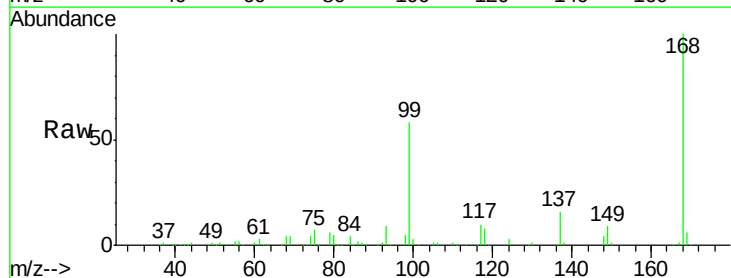
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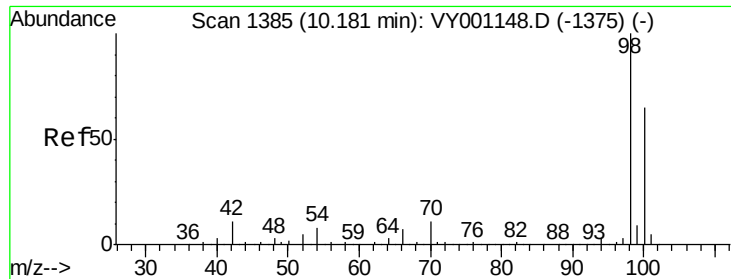
Tgt Ion: 75 Resp: 12804
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.3 54.8#
 77 0.3 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.503 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001248.D
 Acq: 16 Jan 2020 03:25

Tgt Ion: 117 Resp: 16981
 Ion Ratio Lower Upper
 117 100
 119 3.6 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.042 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Instrument :

MSVOA_Y

ClientSampleId :

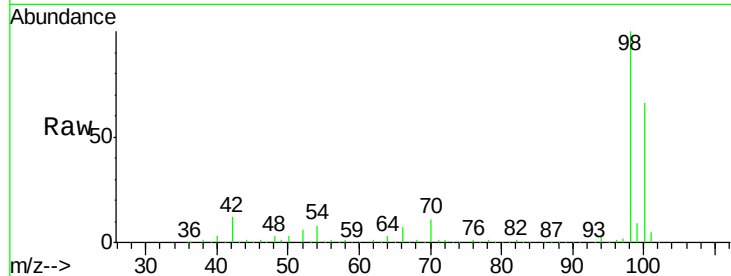
WP022SB458_200113_36-38

Tgt Ion: 98 Resp: 367034

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

250000

200000

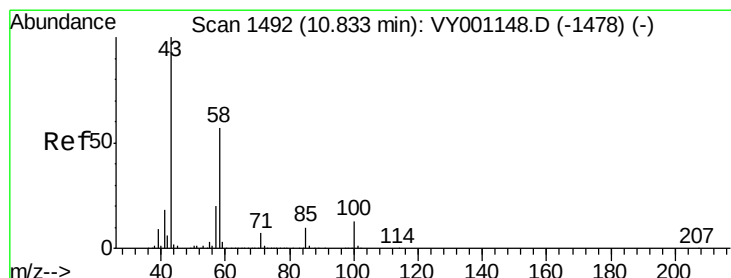
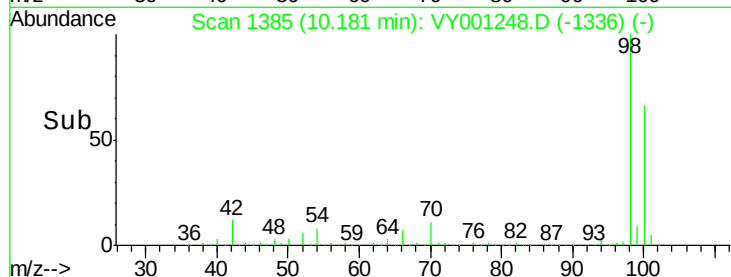
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 32.445 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.03 min

Lab File: VY001248.D

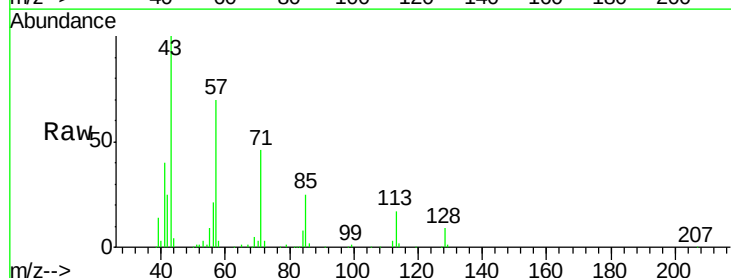
Acq: 16 Jan 2020 03:25

Tgt Ion: 43 Resp: 36892

Ion Ratio Lower Upper

43 100

58 3.3 28.4 85.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.80

25000

20000

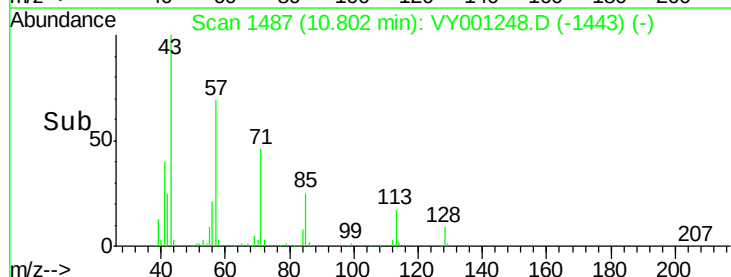
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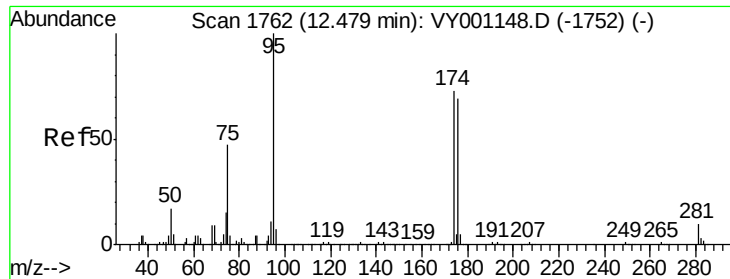
10000

5000

0

Time-->

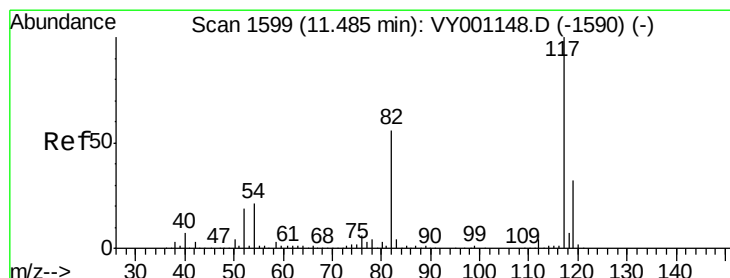
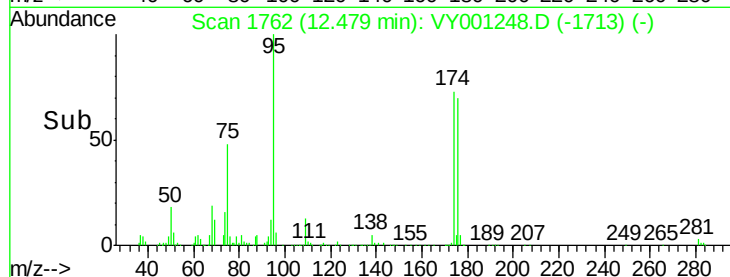
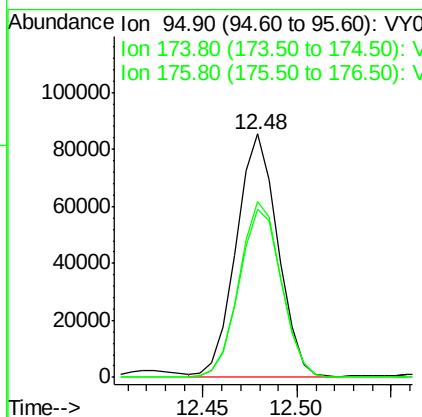
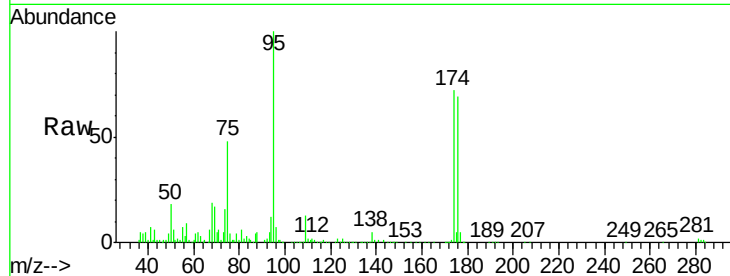




#62
4-Bromofluorobenzene
Concen: 45.034 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001248.D
Acq: 16 Jan 2020 03:25

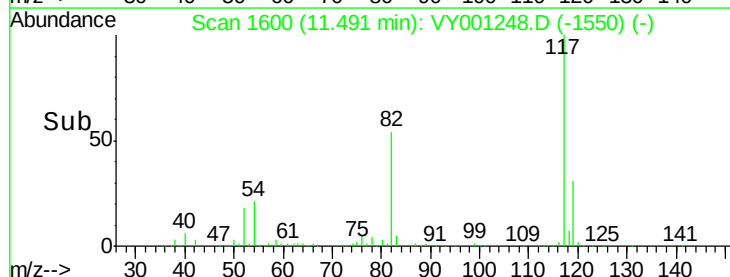
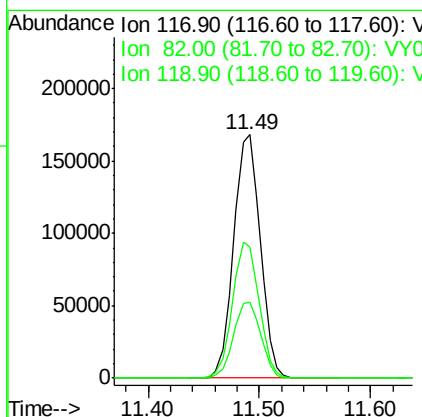
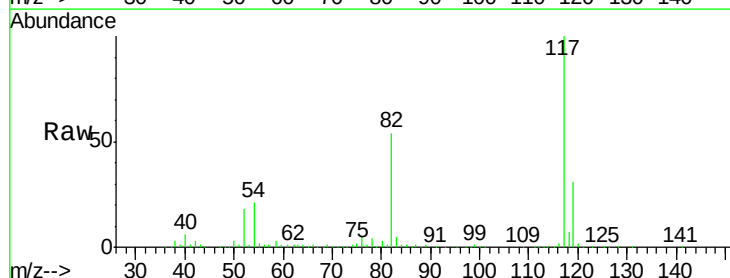
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB458_200113_36-38

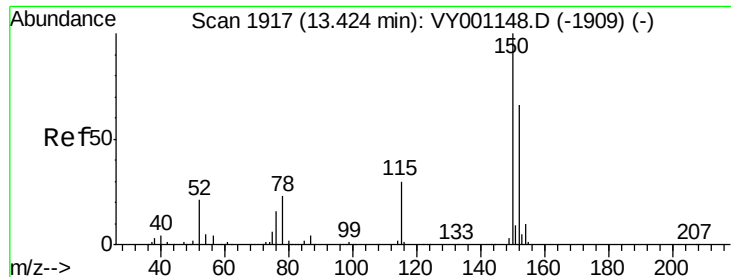
Tgt Ion: 95 Resp: 129846
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.2
176 71.3 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001248.D
Acq: 16 Jan 2020 03:25

Tgt Ion: 117 Resp: 277799
Ion Ratio Lower Upper
117 100
82 54.0 44.9 67.3
119 31.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB458_200113_36-38

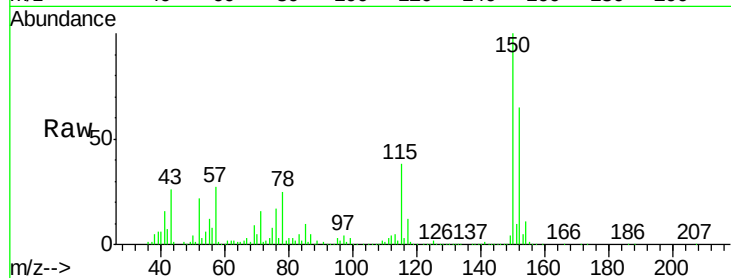
Tgt Ion:152 Resp: 122300

Ion Ratio Lower Upper

152 100

115 57.4 30.9 92.5

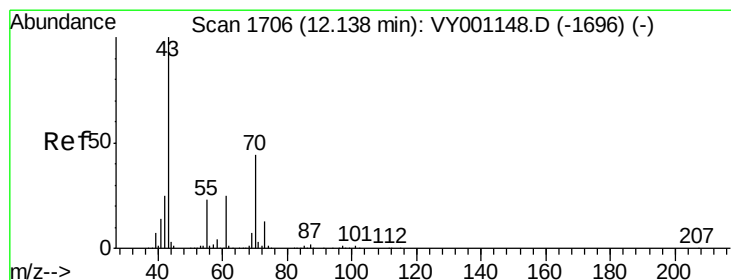
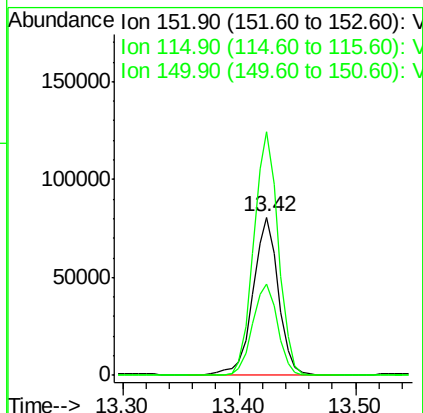
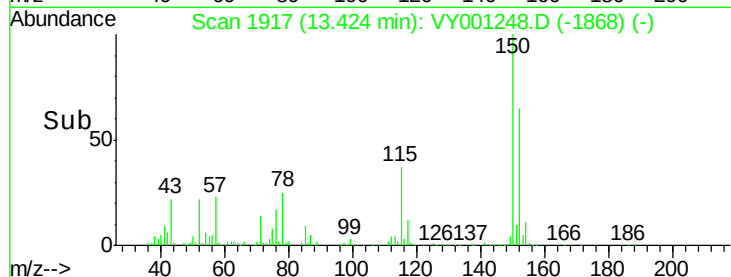
150 149.6 0.0 346.8



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



#74

N-ethyl acetate

Concen: 39.352 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Tgt Ion: 43 Resp: 112915

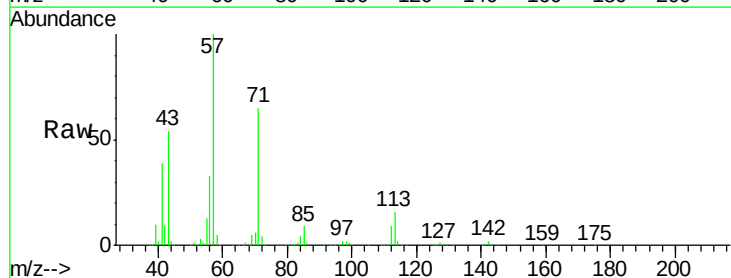
Ion Ratio Lower Upper

43 100

70 10.1 35.0 52.6#

55 28.0 18.4 27.6#

61 0.0 20.1 30.1#

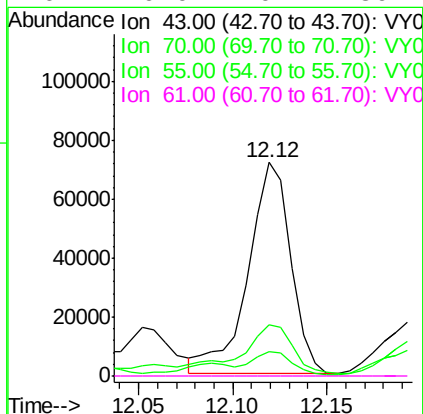
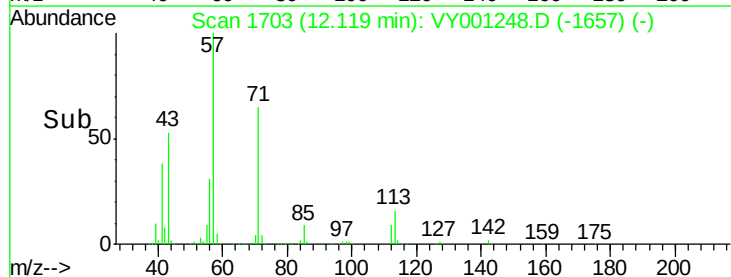


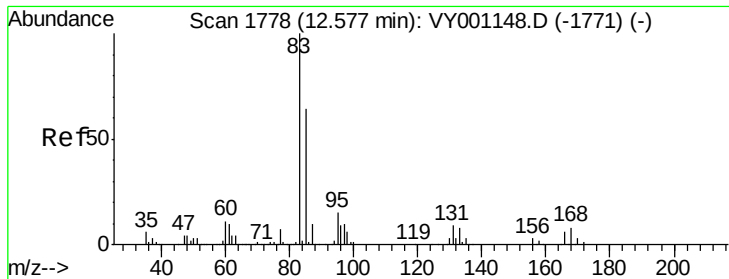
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 3.979 ug/l

RT: 12.53 min Scan# 1771

Delta R.T. -0.04 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB458_200113_36-38

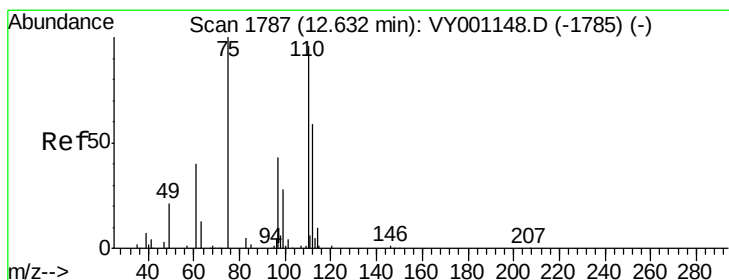
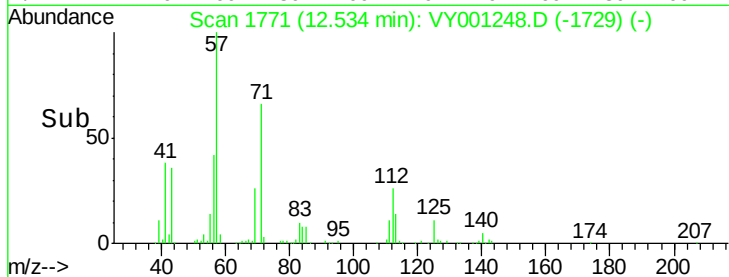
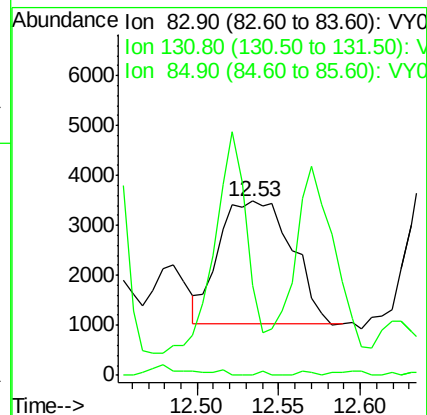
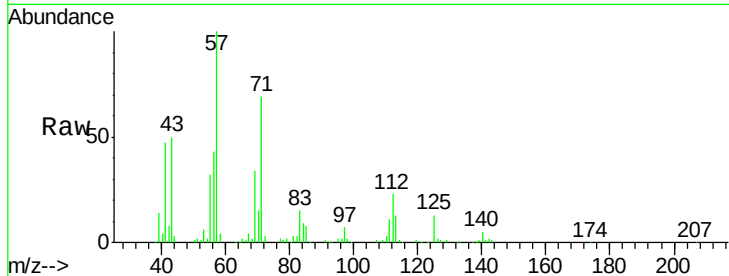
Tgt Ion: 83 Resp: 7697

Ion Ratio Lower Upper

83 100

131 0.4 5.1 15.3#

85 79.0 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 47.035 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001248.D

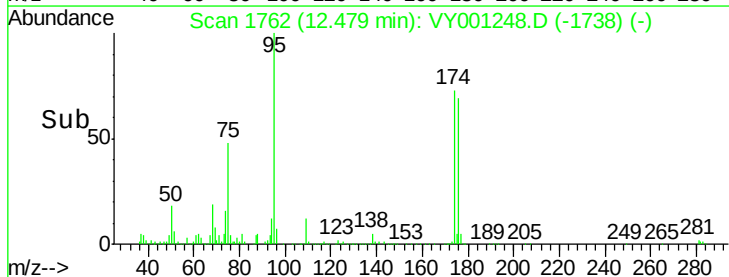
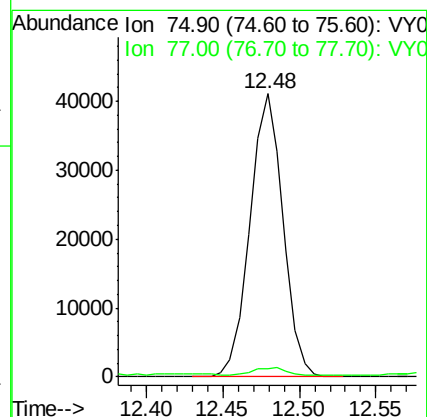
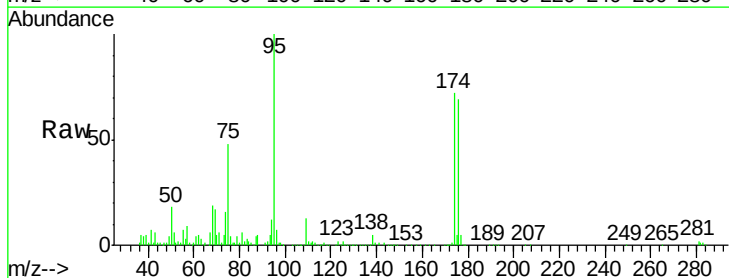
Acq: 16 Jan 2020 03:25

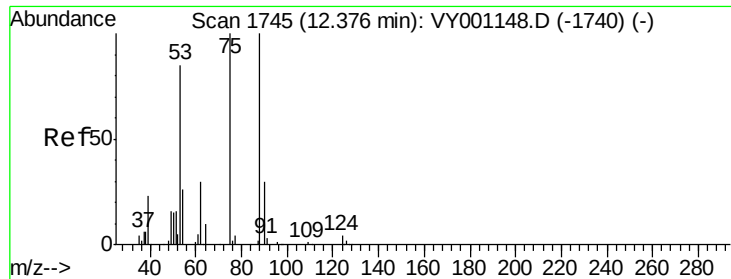
Tgt Ion: 75 Resp: 61580

Ion Ratio Lower Upper

75 100

77 2.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 79.761 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001248.D

Acq: 16 Jan 2020 03:25

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB458_200113_36-38

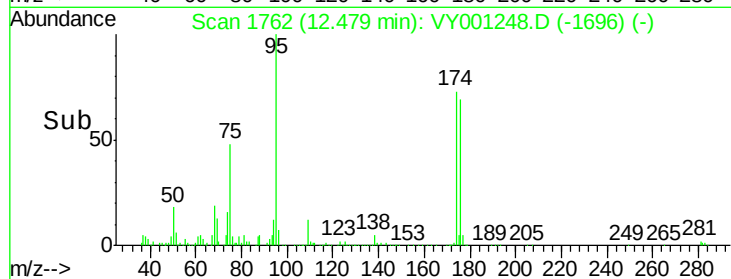
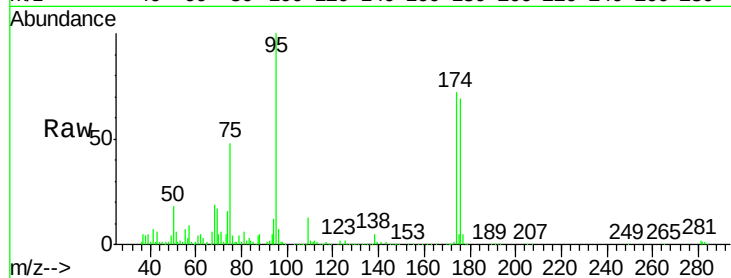
Tgt Ion: 75 Resp: 61580

Ion Ratio Lower Upper

75 100

53 2.3 69.4 104.2#

89 0.2 0.0 0.0#



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

