

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001247.D
 Acq On : 16 Jan 2020 03:03
 Operator : SY/MD
 Sample : L1136-11
 Misc : 9.16G/5ML/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB458_200113_28-30

Quant Time: Jan 16 04:57:23 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	171089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	307937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	266022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	109029	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	97219	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
35) Dibromofluoromethane	7.73	113	90528	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.18	98	359694	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.48	95	121407	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	

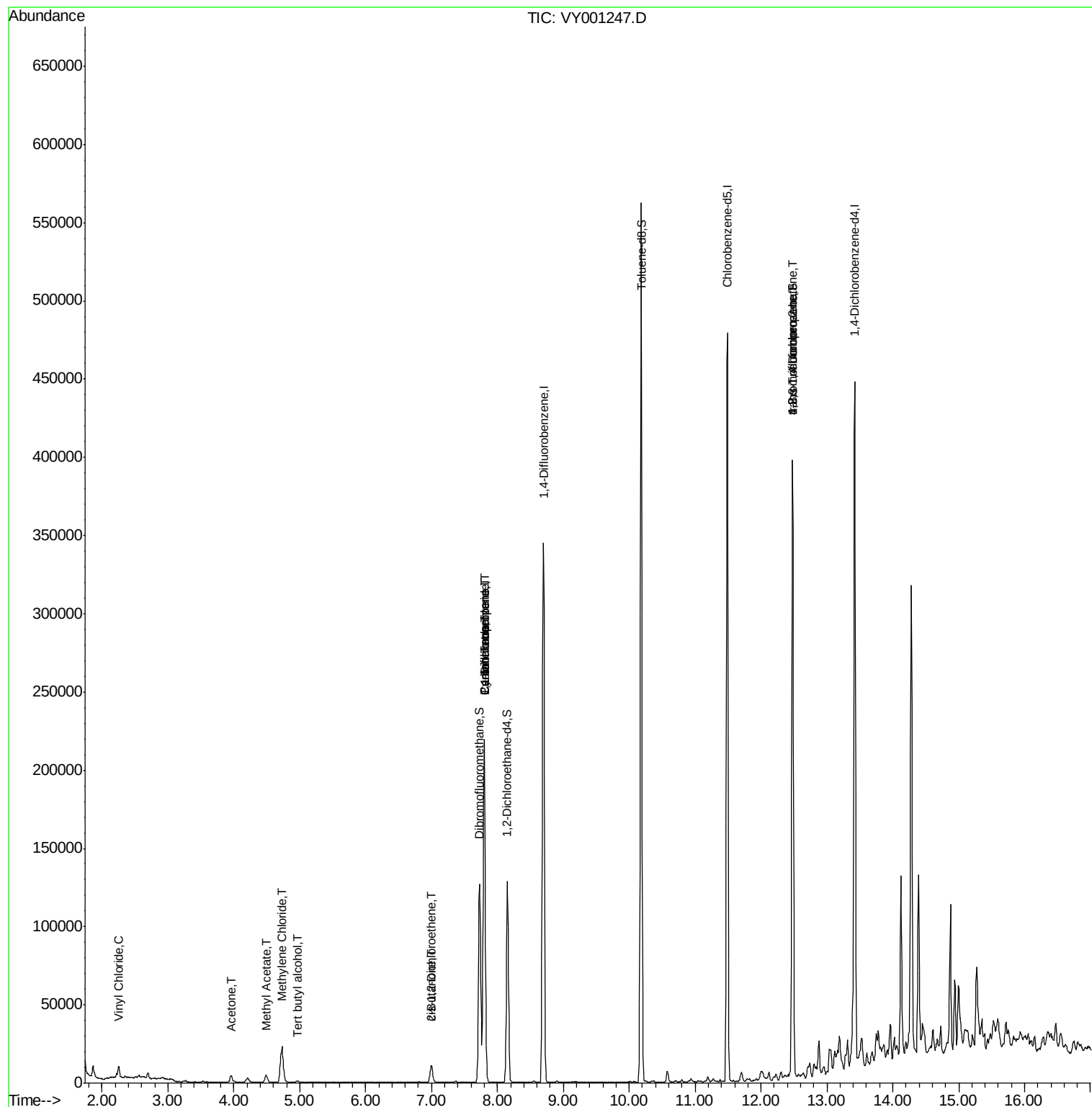
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.26	62	4368	2.289	ug/l	94
11) Tert butyl alcohol	4.97	59	1642	9.031	ug/l	100
16) Acetone	3.96	43	7646	18.219	ug/l	93
18) Methyl Acetate	4.49	43	9049	6.522	ug/l	95
20) Methylene Chloride	4.73	84	17715	3.974	ug/l	94
25) 2-Butanone	7.00	43	971	1.487	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	5419	2.494	ug/l	84
31) Cyclohexane	7.80	56	3827	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13533	4.822	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16828	6.542	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	58642	50.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	58642	85.201	ug/l #	9

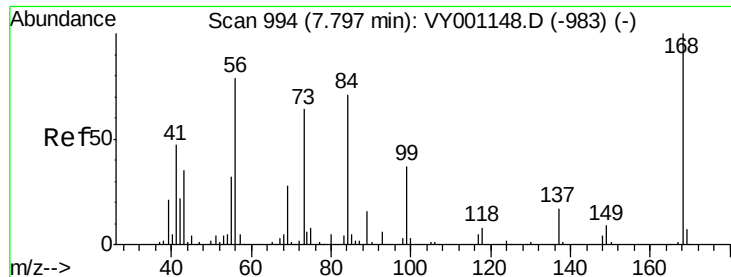
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001247.D

Acq: 16 Jan 2020 03:03

Instrument :

MSVOA_Y

ClientSampleId :

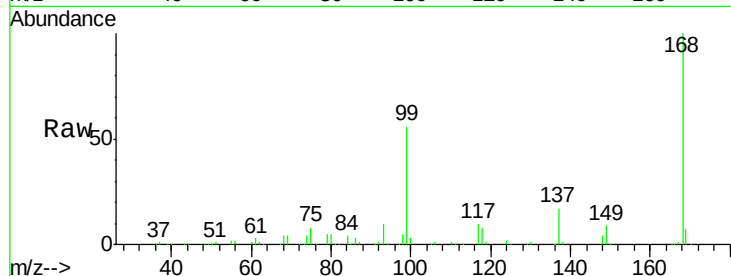
WP022SB458_200113_28-30

Tgt Ion:168 Resp: 171089

Ion Ratio Lower Upper

168 100

99 55.8 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

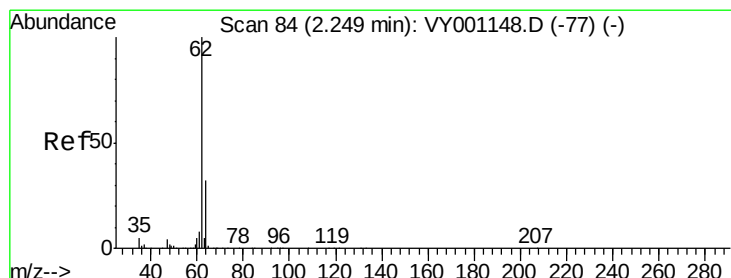
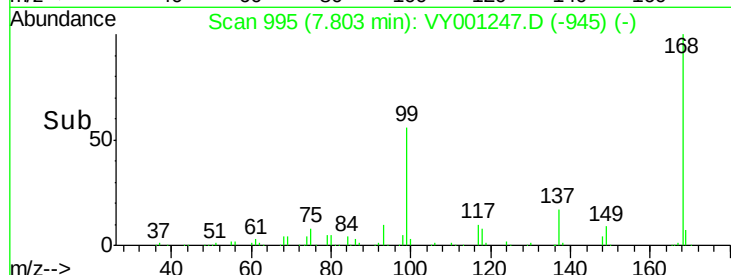
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 2.289 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001247.D

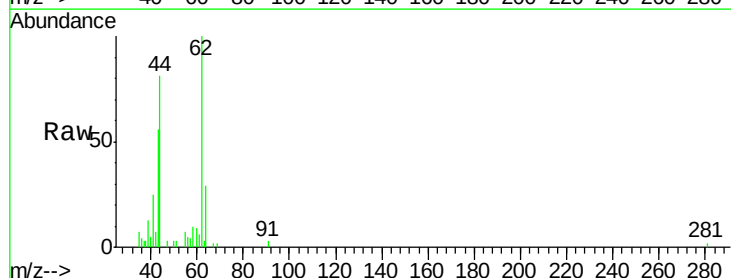
Acq: 16 Jan 2020 03:03

Tgt Ion: 62 Resp: 4368

Ion Ratio Lower Upper

62 100

64 29.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY001148.D (-77) (-)

Ion 63.90 (63.60 to 64.60): VY001148.D (-77) (-)

2.26

3000

2500

2000

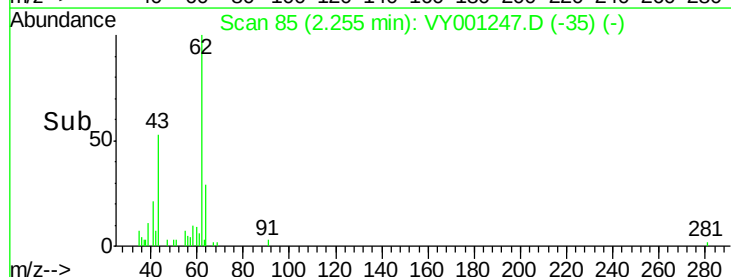
1500

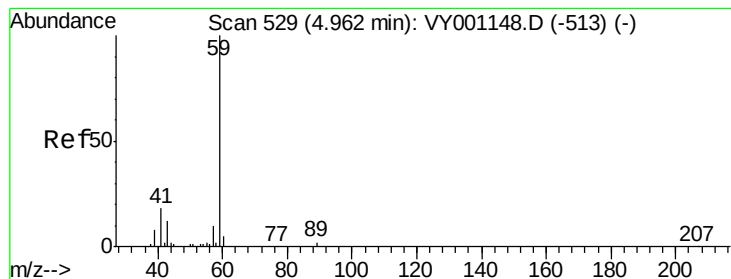
1000

500

0

Time--> 2.20 2.25 2.30





#11

Tert butyl alcohol

Concen: 9.031 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

Instrument :

MSVOA_Y

ClientSampleId :

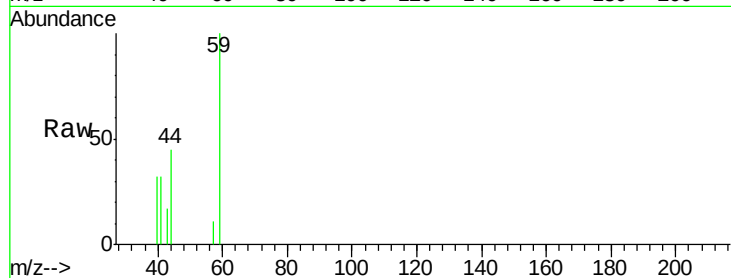
WP022SB458_200113_28-30

Tgt Ion: 59 Resp: 1642

Ion Ratio Lower Upper

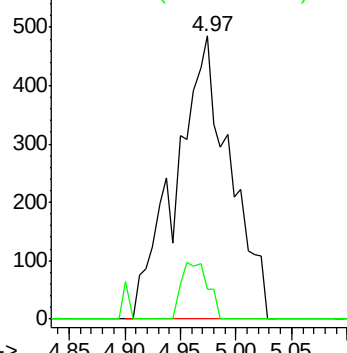
59 100

57 9.9 7.8 11.8

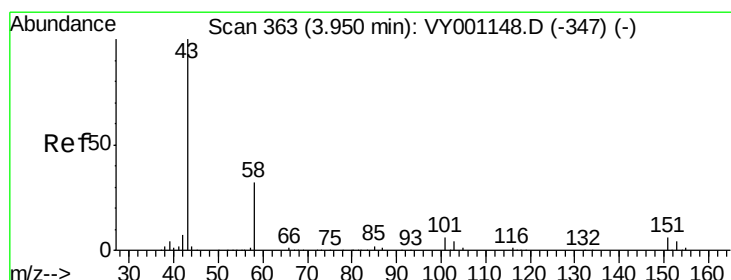
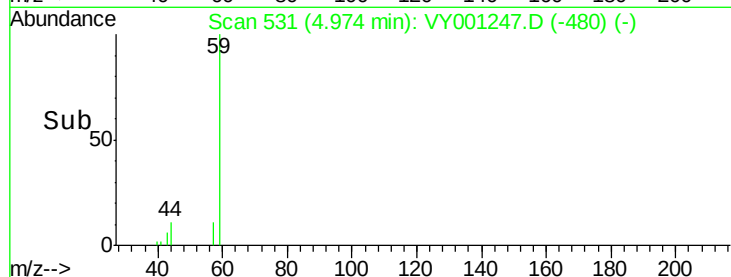


Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



Time--> 4.85 4.90 4.95 5.00 5.05



#16

Acetone

Concen: 18.219 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001247.D

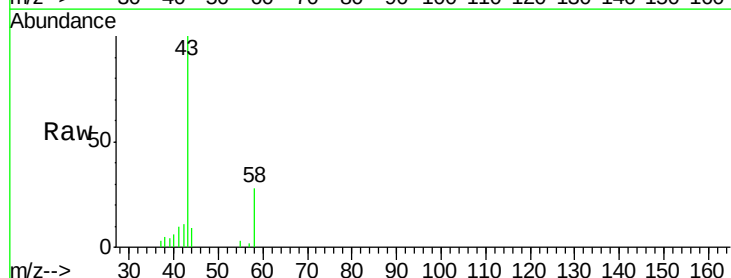
Acq: 16 Jan 2020 03:03

Tgt Ion: 43 Resp: 7646

Ion Ratio Lower Upper

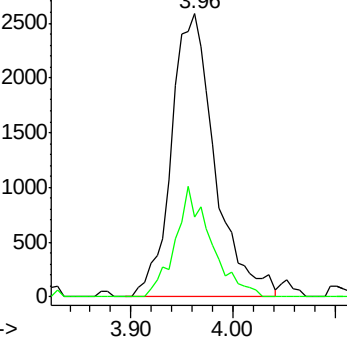
43 100

58 28.3 25.8 38.6

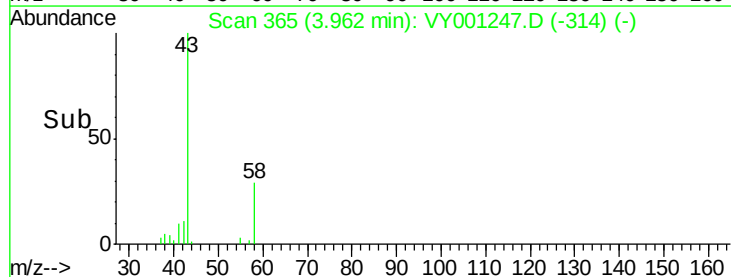


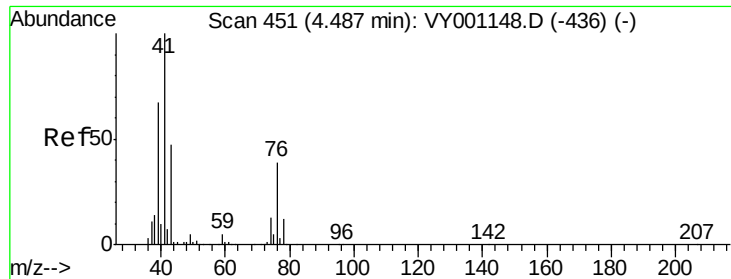
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time--> 3.90 4.00

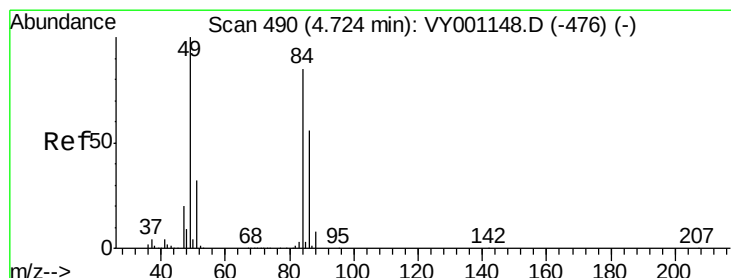
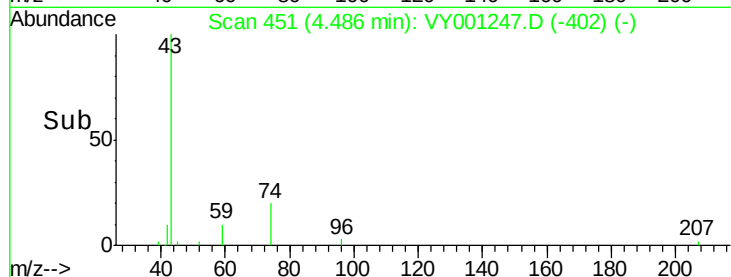
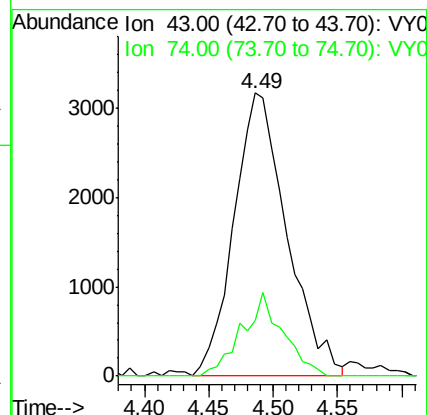
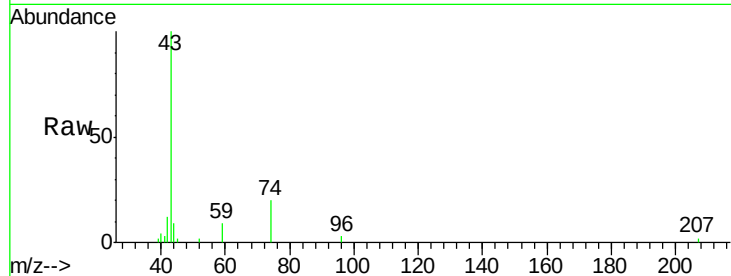




#18
Methyl Acetate
Concen: 6.522 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001247.D
Acq: 16 Jan 2020 03:03

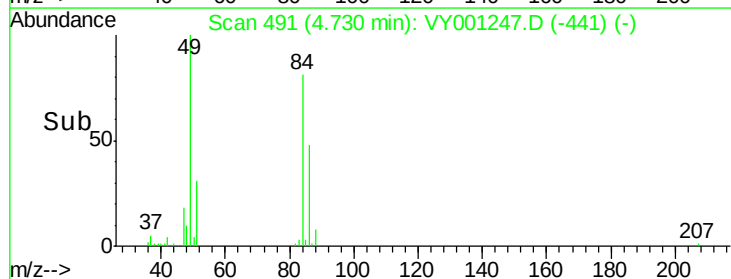
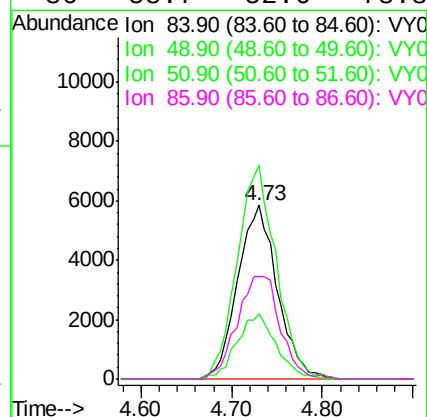
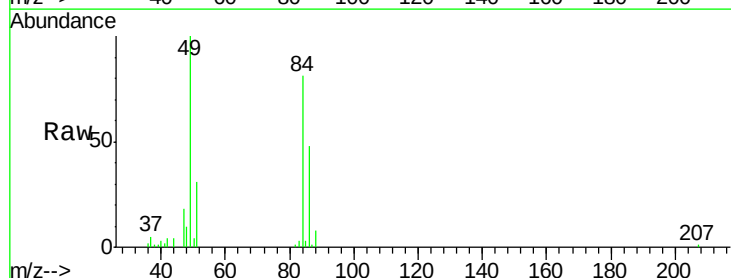
Instrument :
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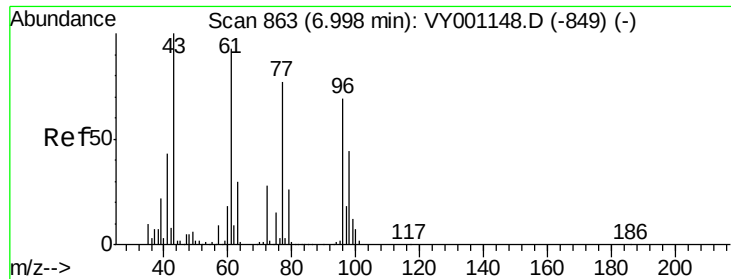
Tgt Ion: 43 Resp: 9049
Ion Ratio Lower Upper
43 100
74 22.8 20.2 30.2



#20
Methylene Chloride
Concen: 3.974 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001247.D
Acq: 16 Jan 2020 03:03

Tgt Ion: 84 Resp: 17715
Ion Ratio Lower Upper
84 100
49 123.1 93.8 140.6
51 37.7 29.9 44.9
86 58.7 52.6 78.8





#25

2-Butanone

Concen: 1.487 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

Instrument :

MSVOA_Y

ClientSampleId :

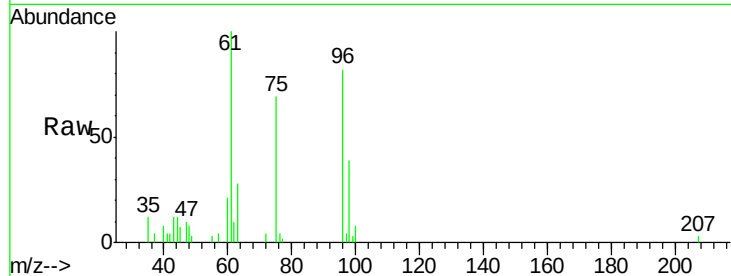
WP022SB458_200113_28-30

Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

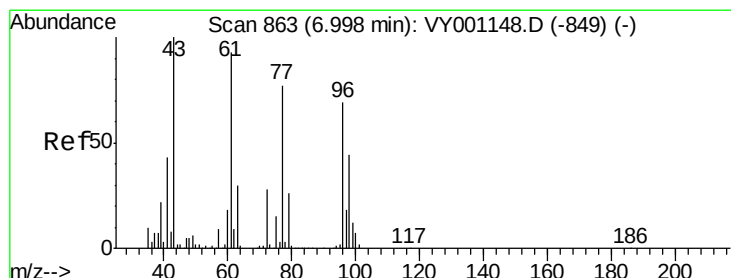
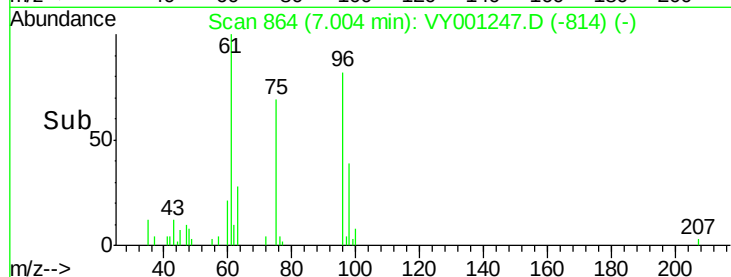
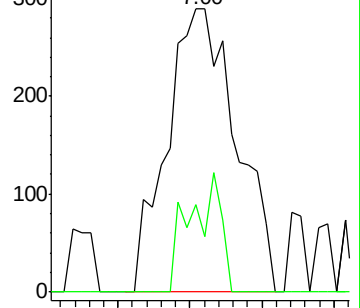
43 100

72 30.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#27

cis-1,2-Dichloroethene

Concen: 2.494 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

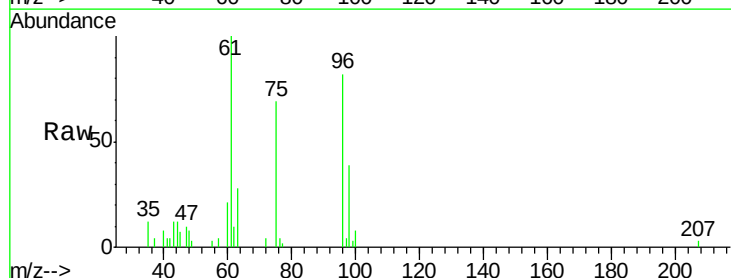
Tgt Ion: 96 Resp: 5419

Ion Ratio Lower Upper

96 100

61 113.2 0.0 284.0

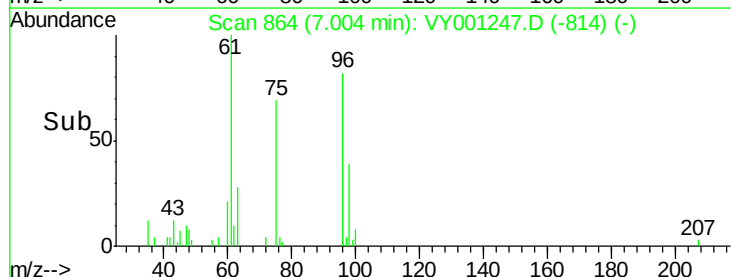
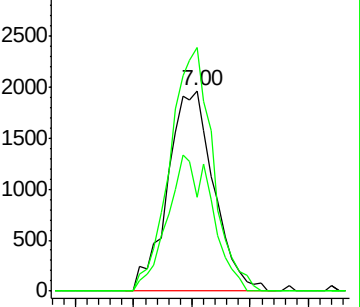
98 65.5 0.0 130.2

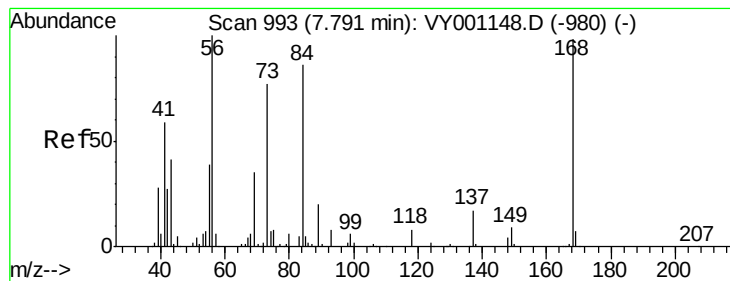


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

Instrument :

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ClientSampleId :

WP022SB458_200113_28-30

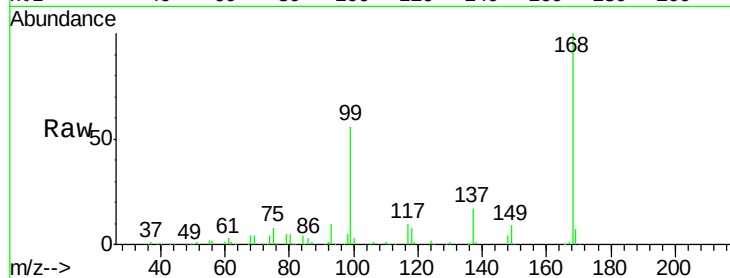
Tgt Ion: 56 Resp: 3827

Ion Ratio Lower Upper

56 100

69 164.3 27.8 41.8#

84 163.0 68.9 103.3#

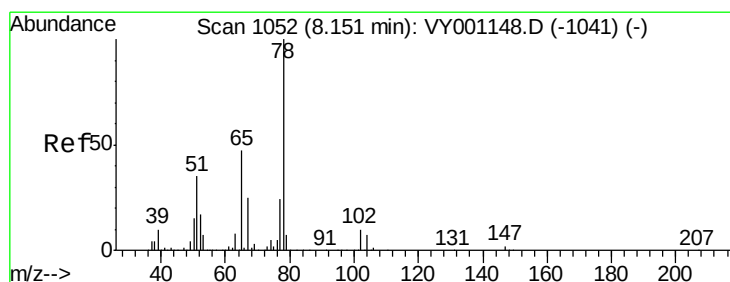
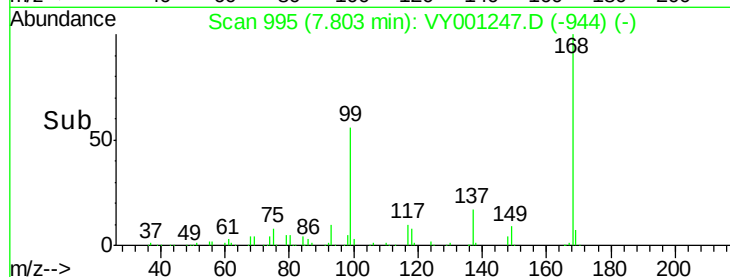
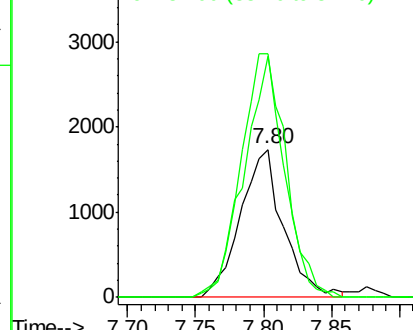


Abundance

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: 53.801 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001247.D

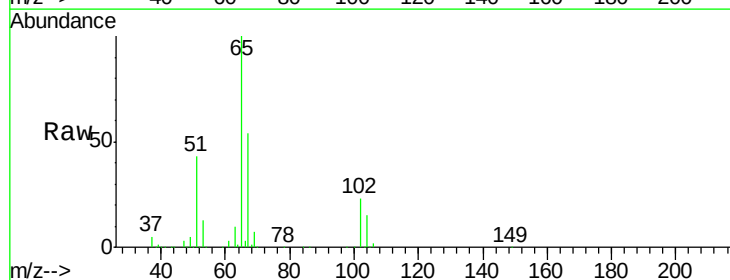
Acq: 16 Jan 2020 03:03

Tgt Ion: 65 Resp: 97219

Ion Ratio Lower Upper

65 100

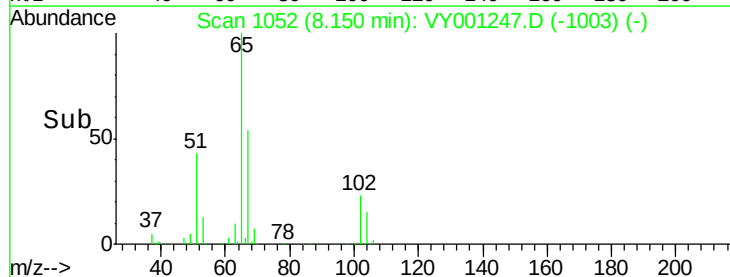
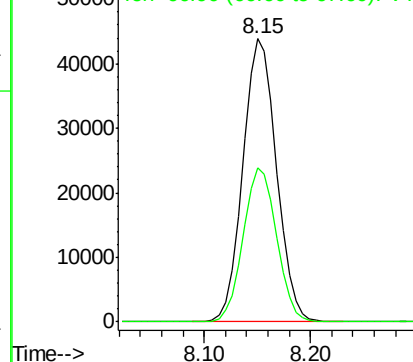
67 54.4 0.0 105.2

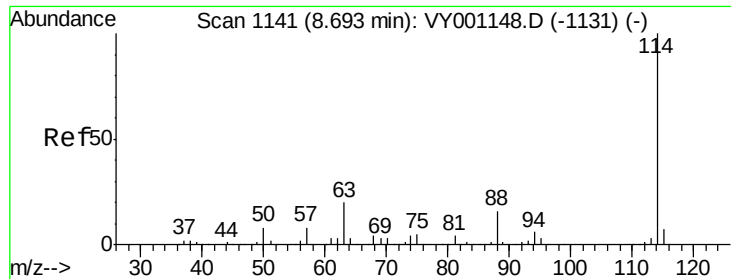


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

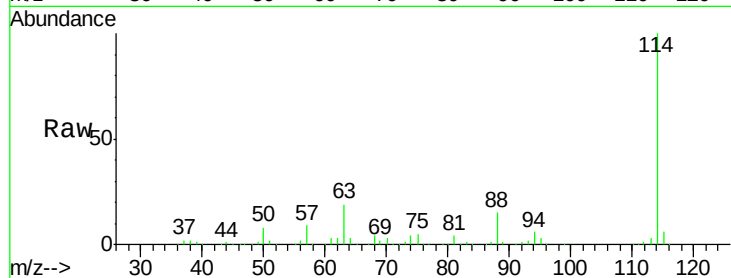




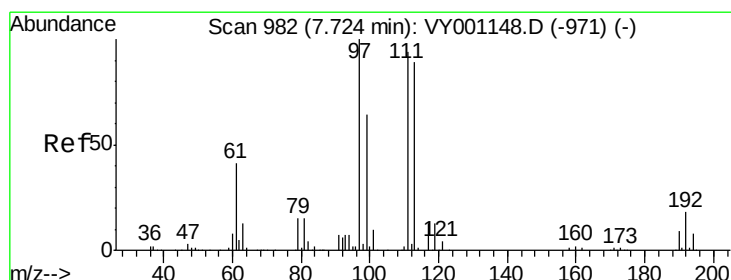
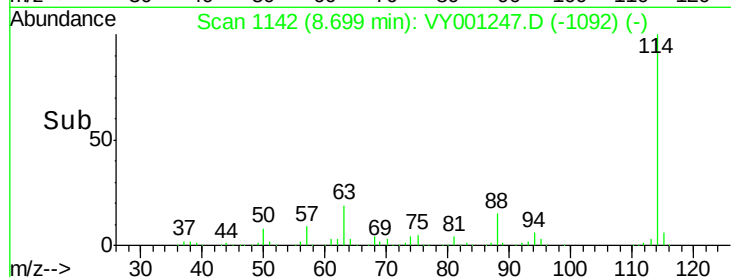
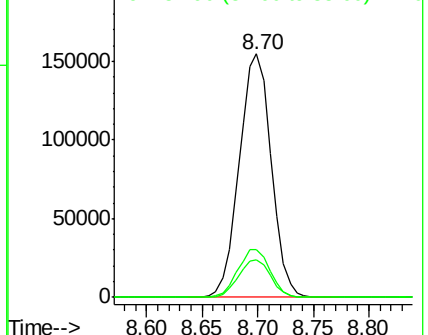
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001247.D
 Acq: 16 Jan 2020 03:03

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 MSVOA_Y
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 WP022SB458_200113_28-30

Tgt Ion:114 Resp: 307937
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 15.4 0.0 32.4

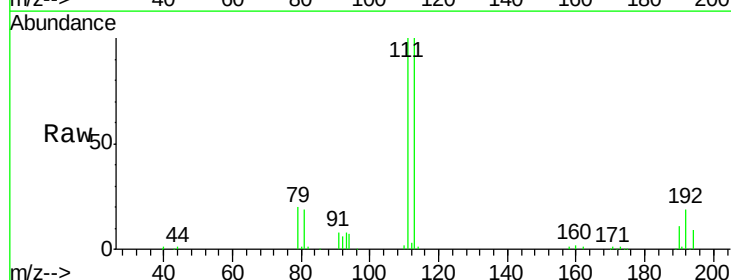


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

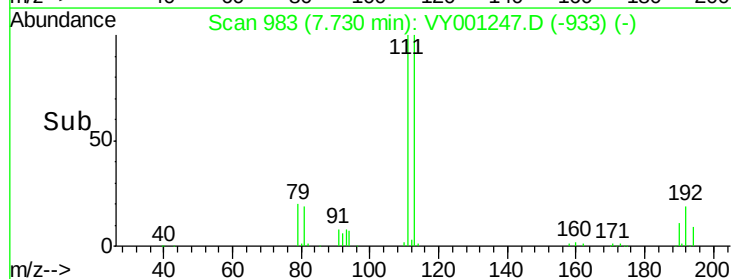
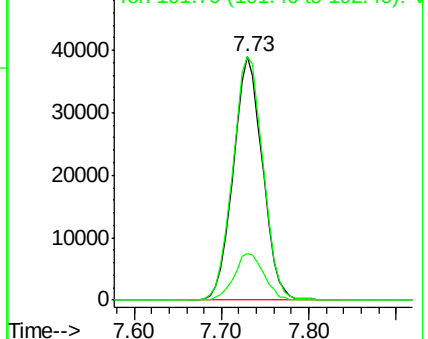


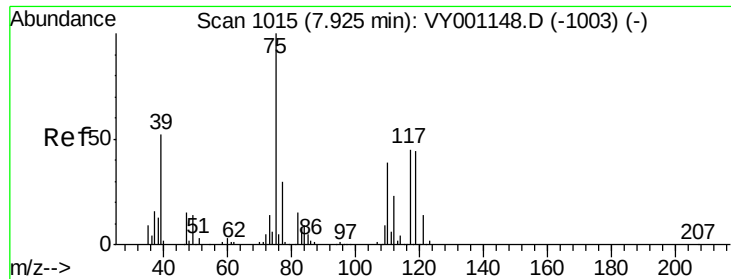
#35
 Dibromofluoromethane
 Concen: 50.211 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001247.D
 Acq: 16 Jan 2020 03:03

Tgt Ion:113 Resp: 90528
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.9 124.3
 192 19.4 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

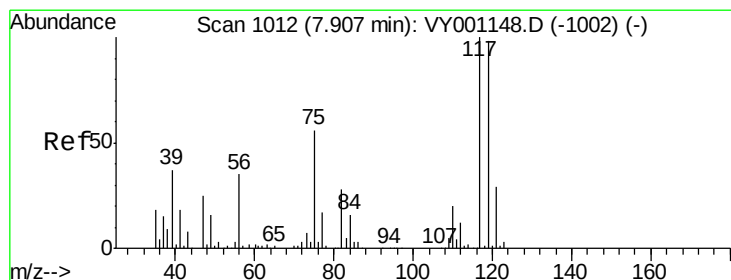
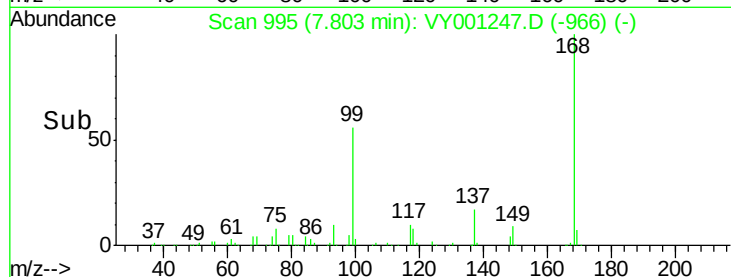
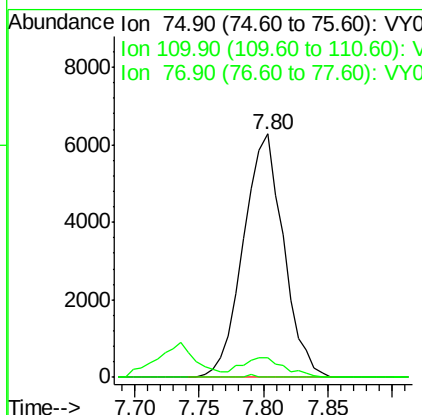
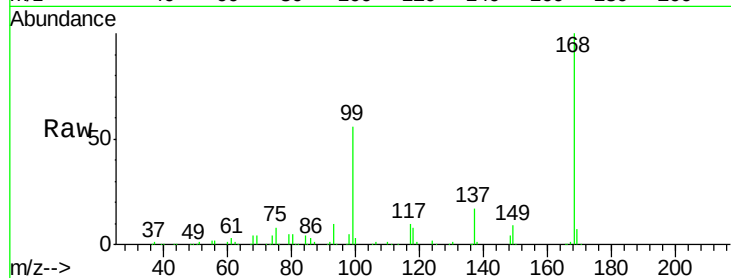




#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001247.D
 Acq: 16 Jan 2020 03:03

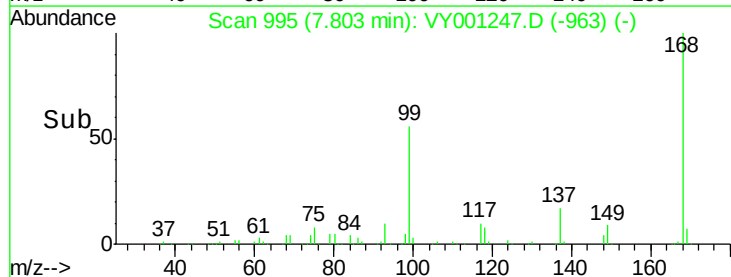
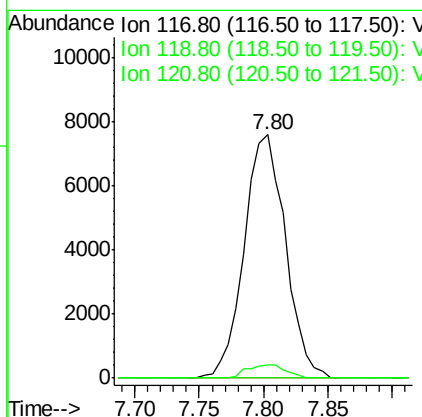
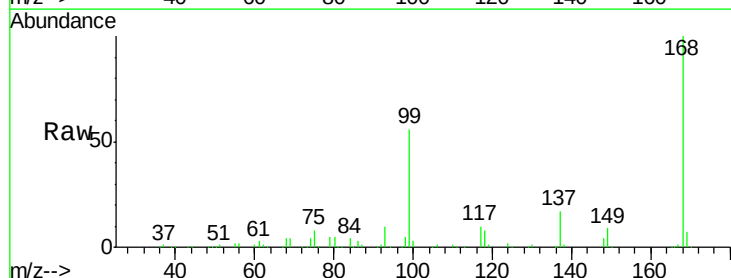
Instrument :
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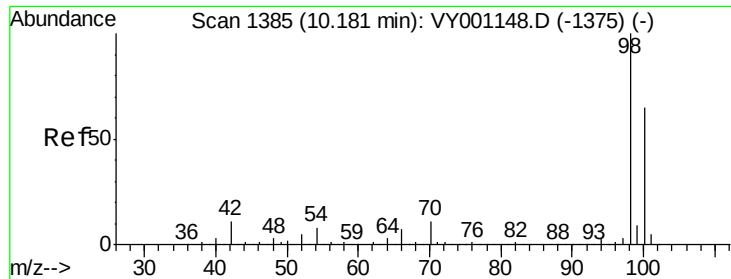
Tgt Ion: 75 Resp: 13533
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.3 54.8#
 77 0.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.542 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001247.D
 Acq: 16 Jan 2020 03:03

Tgt Ion: 117 Resp: 16828
 Ion Ratio Lower Upper
 117 100
 119 5.5 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.776 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

Instrument :

MSVOA_Y

ClientSampleId :

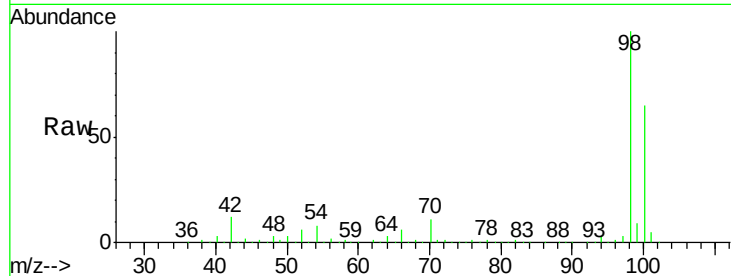
WP022SB458_200113_28-30

Tgt Ion: 98 Resp: 359694

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

250000

200000

150000

100000

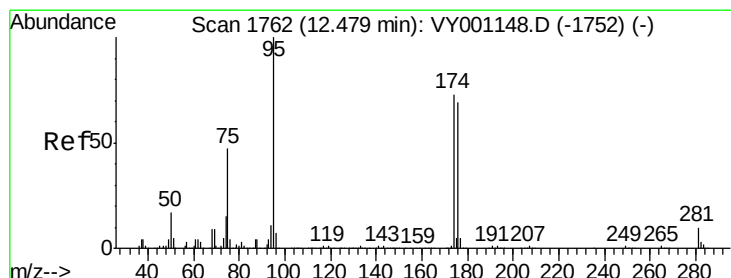
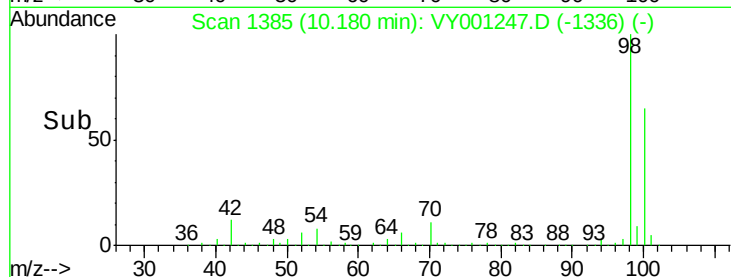
50000

0

10.10

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 42.746 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

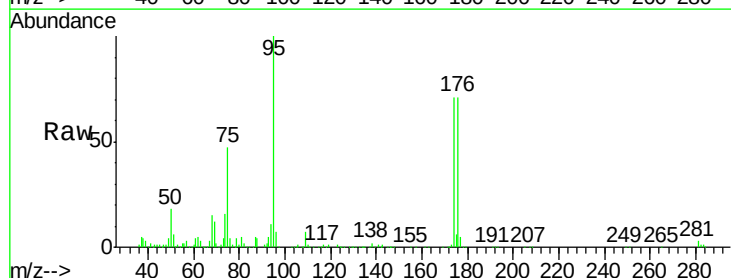
Tgt Ion: 95 Resp: 121407

Ion Ratio Lower Upper

95 100

174 73.3 0.0 143.2

176 71.4 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

100000

80000

60000

40000

20000

0

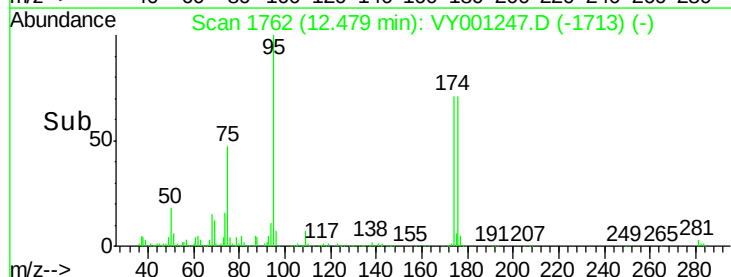
12.40

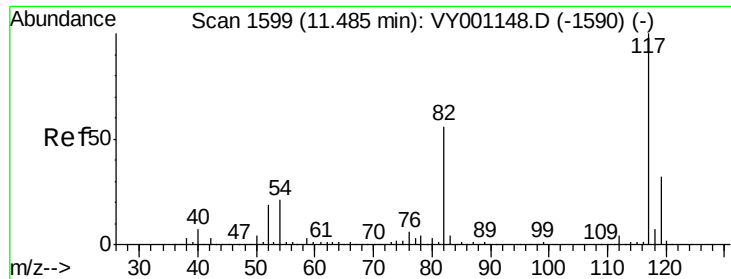
12.45

12.50

12.55

Time-->

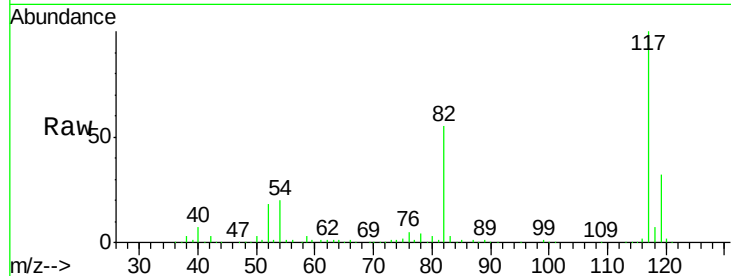




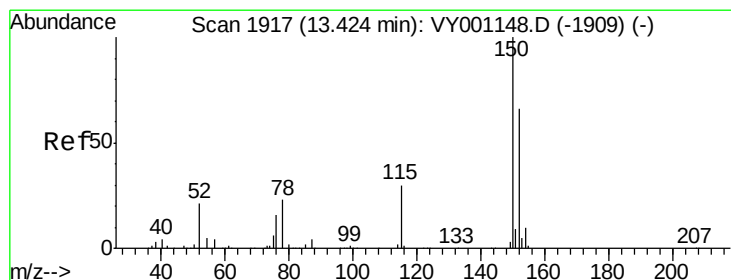
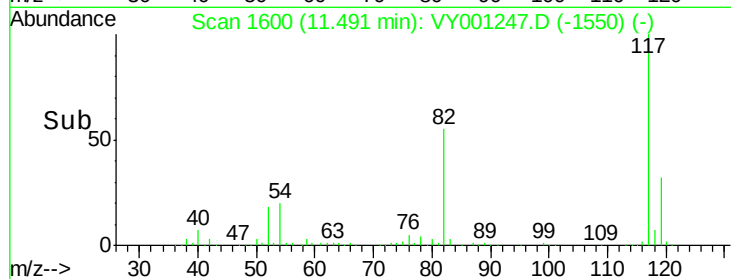
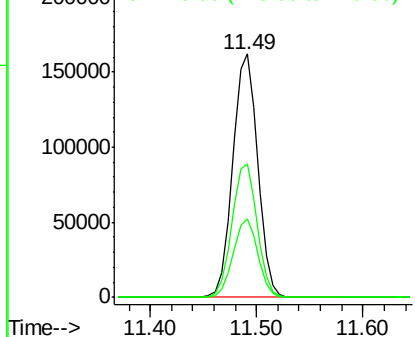
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001247.D
Acq: 16 Jan 2020 03:03

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB458_200113_28-30

Tgt Ion:117 Resp: 266022
Ion Ratio Lower Upper
117 100
82 55.0 44.9 67.3
119 32.2 25.7 38.5

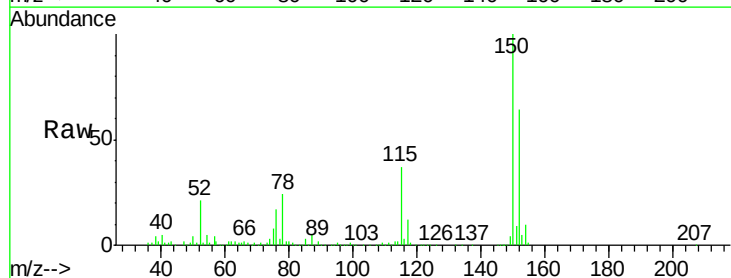


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

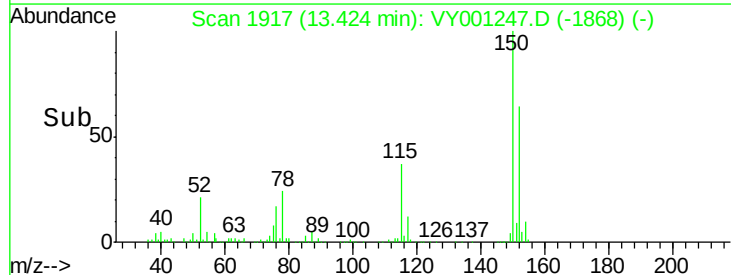
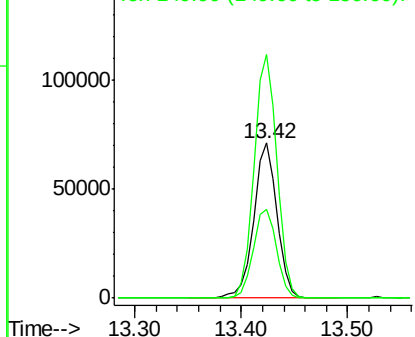


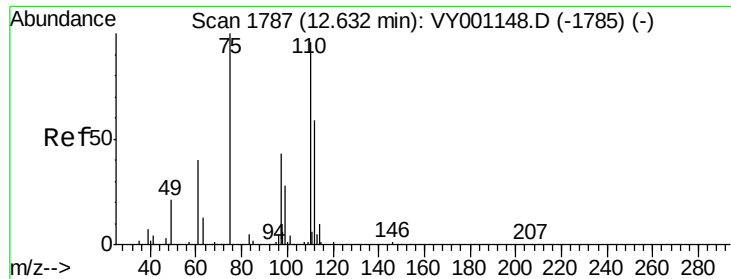
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001247.D
Acq: 16 Jan 2020 03:03

Tgt Ion:152 Resp: 109029
Ion Ratio Lower Upper
152 100
115 57.6 30.9 92.5
150 153.7 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





#76

1,2,3-Trichloropropane

Concen: 50.243 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

Instrument :

MSVOA_Y

ClientSampleId :

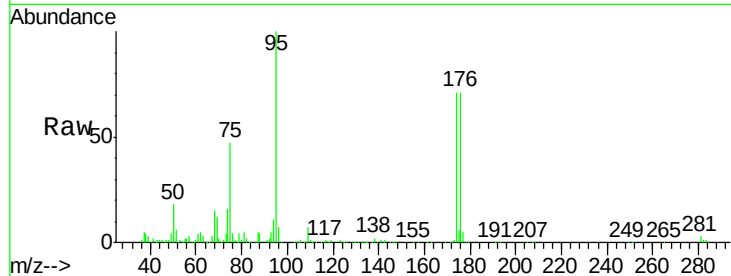
WP022SB458_200113_28-30

Tgt Ion: 75 Resp: 58642

Ion Ratio Lower Upper

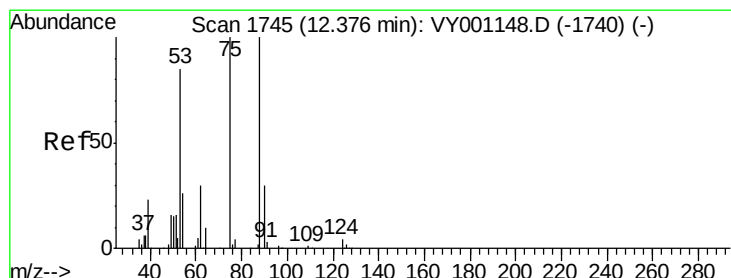
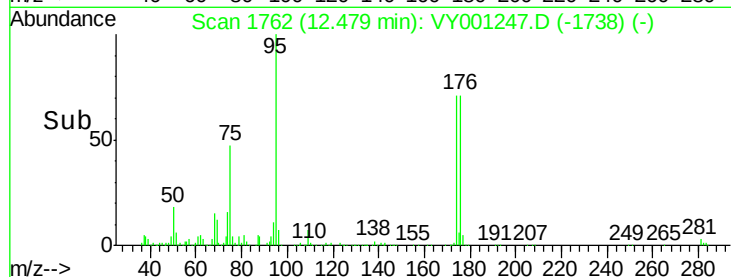
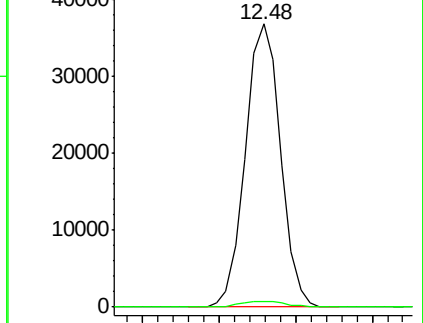
75 100

77 2.9 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: 85.201 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001247.D

Acq: 16 Jan 2020 03:03

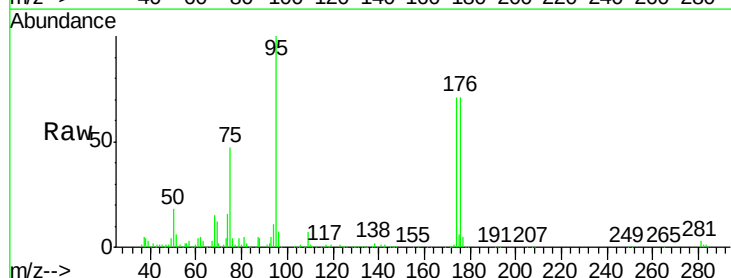
Tgt Ion: 75 Resp: 58642

Ion Ratio Lower Upper

75 100

53 2.4 69.4 104.2#

89 0.1 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

