

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001242.D
 Acq On : 16 Jan 2020 01:11
 Operator : SY/MD
 Sample : L1136-04
 Misc : 10.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_23-25

Quant Time: Jan 16 07:11:11 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	181781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	331649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	293429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	127161	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	107209	55.84	ug/l	0.00
Spiked Amount			Recovery	=	111.68%	
35) Dibromofluoromethane	7.73	113	97700	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.18	98	386654	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.48	95	140195	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

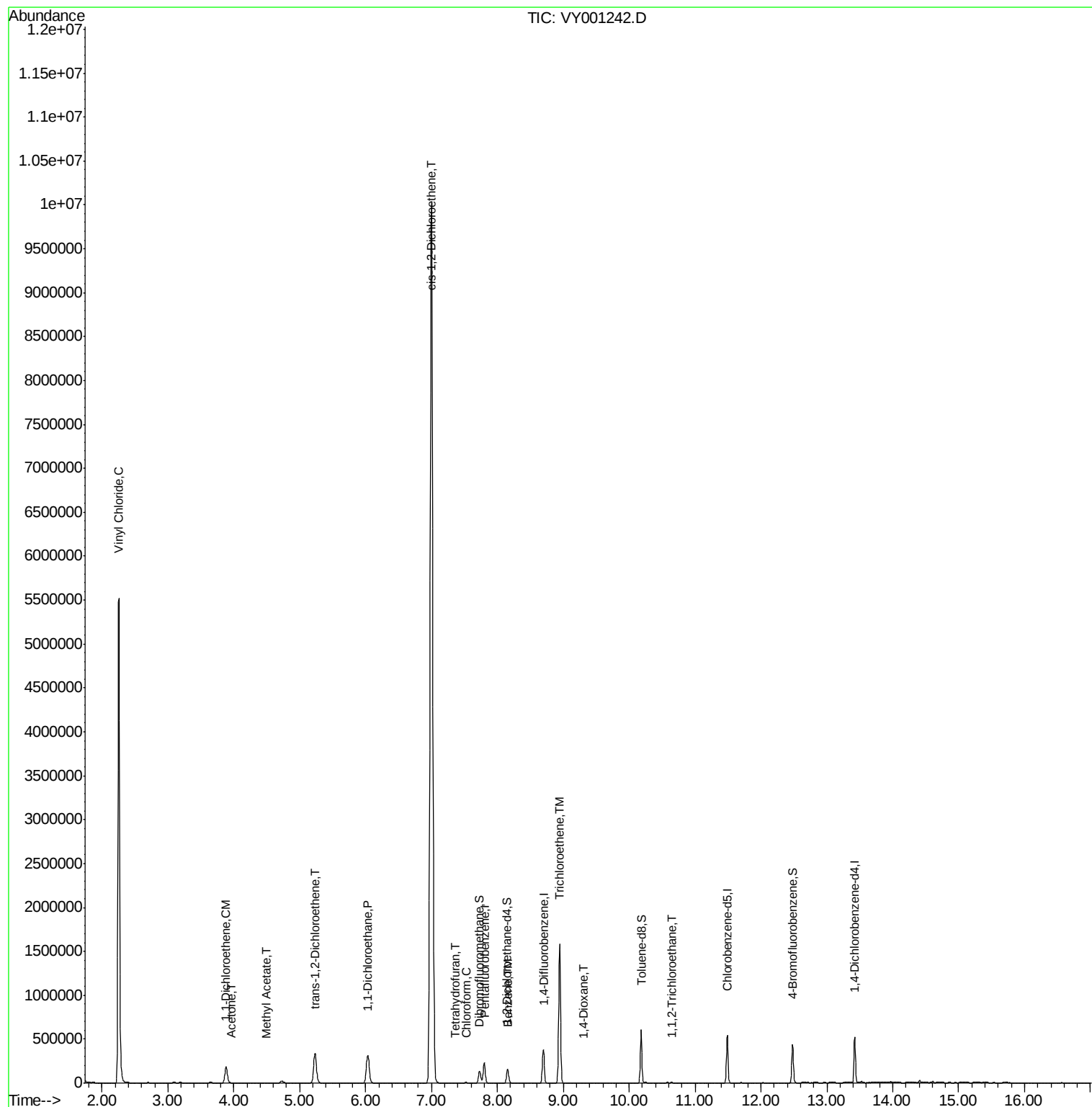
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.26	62	5592209	2758.479	ug/l	99
12) 1,1-Dichloroethene	3.88	96	110992	59.727	ug/l	98
16) Acetone	3.96	43	4935	11.068	ug/l	96
18) Methyl Acetate	4.49	43	3018	2.047	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	232912	110.535	ug/l	98
24) 1,1-Dichloroethane	6.04	63	478626	136.476	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	6222186	2694.874	ug/l	95
29) Tetrahydrofuran	7.36	42	1837	3.863	ug/l	92
30) Chloroform	7.52	83	7448	2.167	ug/l	98
40) Benzene	8.17	78	26458	2.999	ug/l	99
44) Trichloroethene	8.94	130	568831	247.404	ug/l	100
49) 1,4-Dioxane	9.30	88	1484	102.383	ug/l #	79
55) 1,1,2-Trichloroethane	10.64	97	3135	1.777	ug/l	93

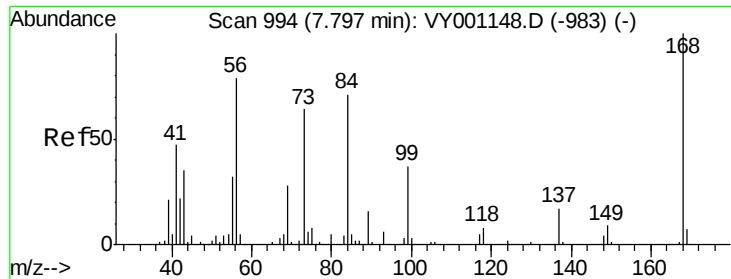
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

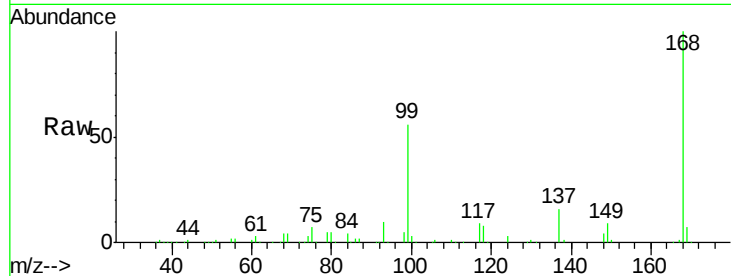
WP022SB457_200113_23-25

Tot Ion:168 Resp: 181781

Ion Ratio Lower Upper

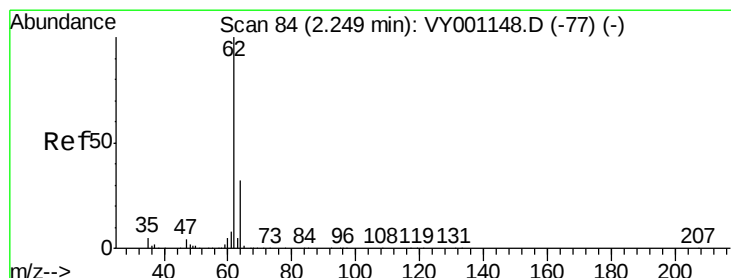
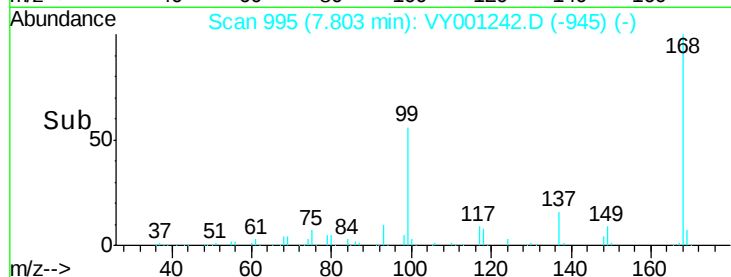
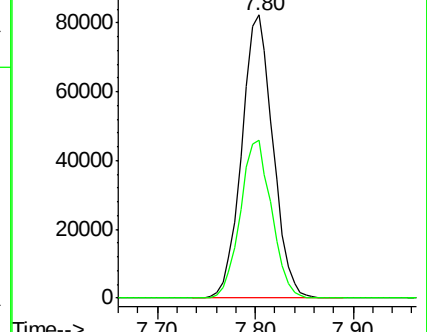
168 100

99 55.6 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) (-)



#4

Vinyl Chloride

Concen: 2758.479 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001242.D

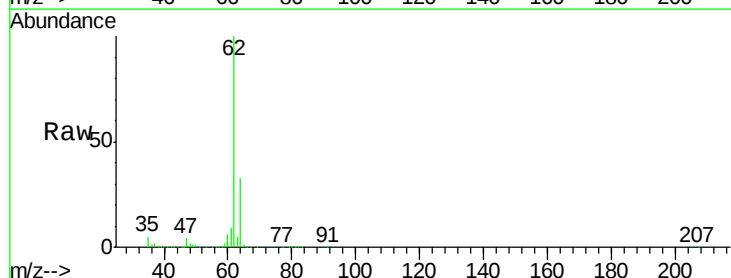
Acq: 16 Jan 2020 01:11

Tgt Ion: 62 Resp: 5592209

Ion Ratio Lower Upper

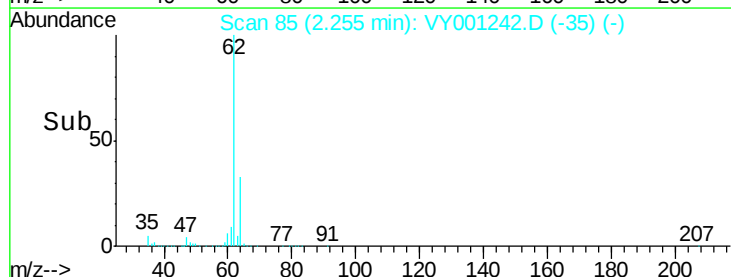
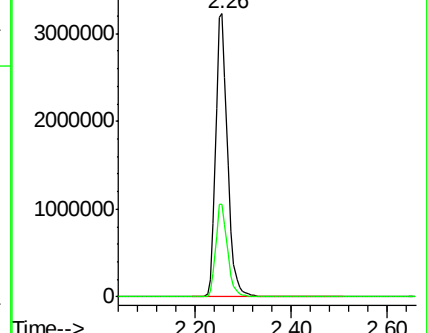
62 100

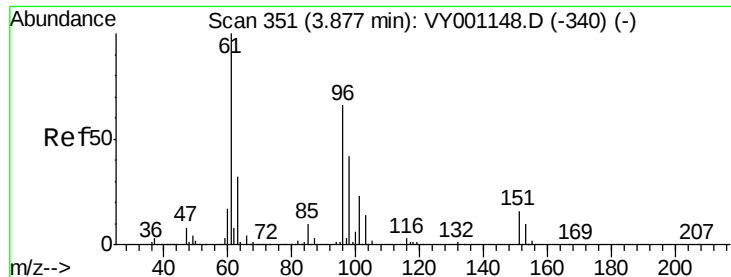
64 32.7 25.8 38.8



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

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





#12

1,1-Dichloroethene

Concen: 59.727 ug/l

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

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ClientSampleId :

WP022SB457_200113_23-25

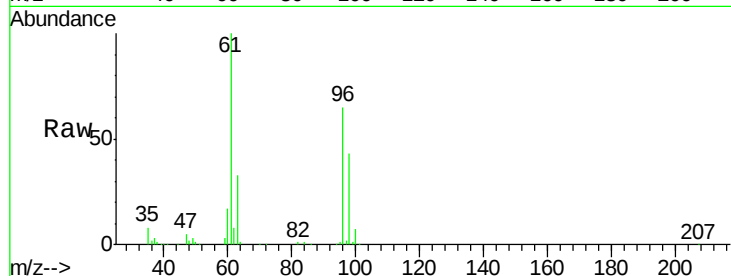
Tot Ion: 96 Resp: 110992

Ion Ratio Lower Upper

96 100

61 154.3 122.1 183.1

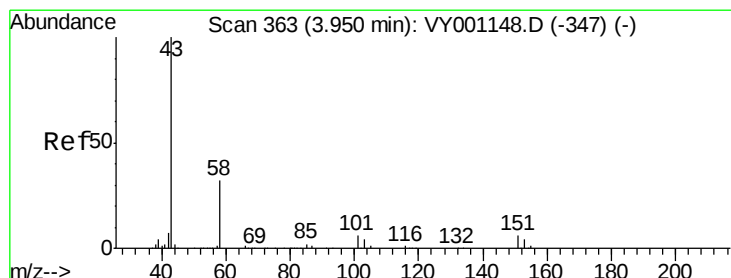
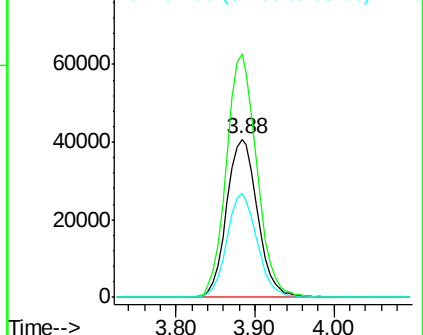
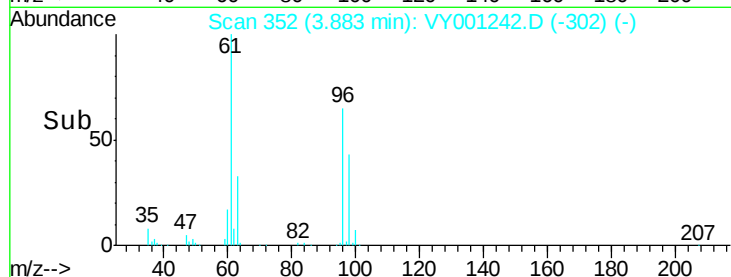
98 65.9 51.0 76.6



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



#16

Acetone

Concen: 11.068 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001242.D

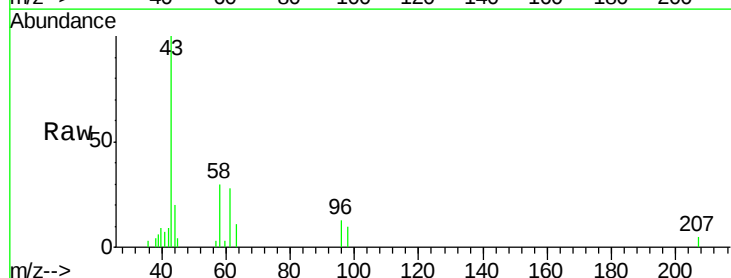
Acq: 16 Jan 2020 01:11

Tgt Ion: 43 Resp: 4935

Ion Ratio Lower Upper

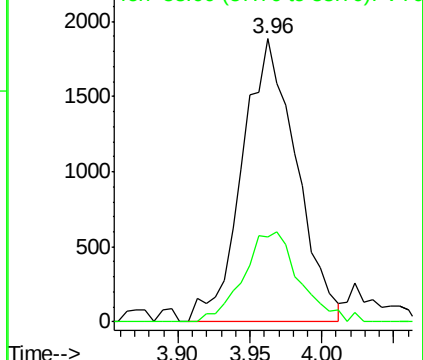
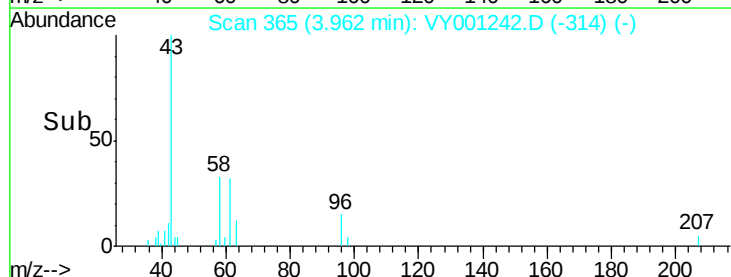
43 100

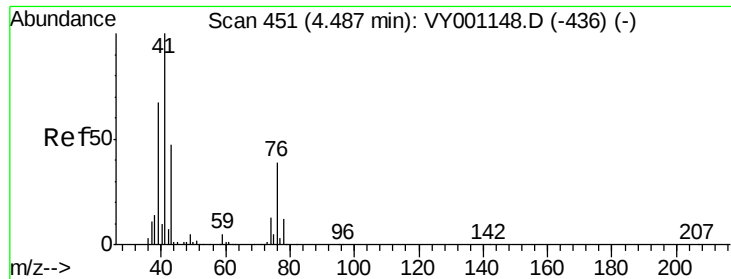
58 29.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

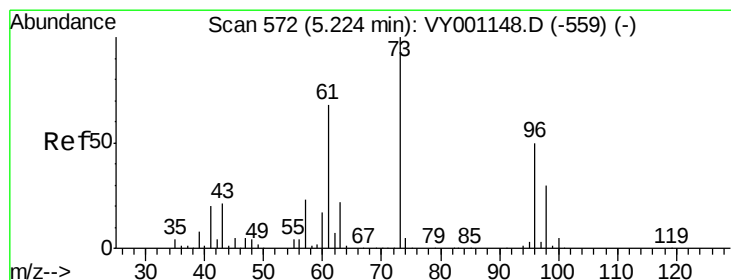
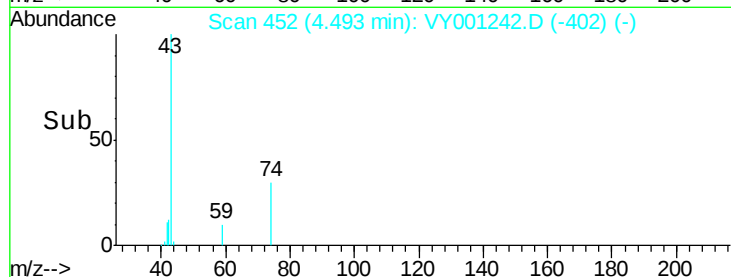
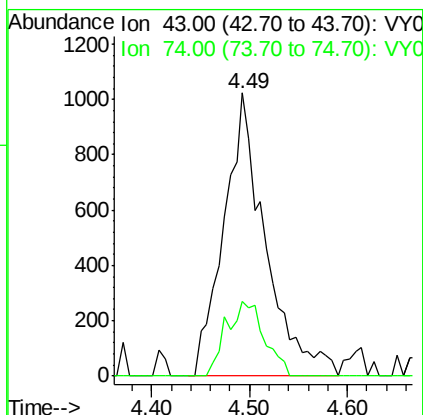
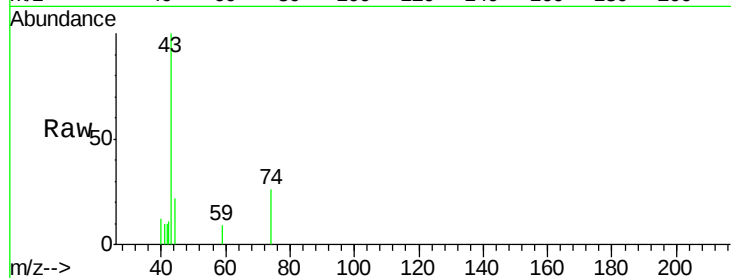




#18
Methyl Acetate
Concen: 2.047 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

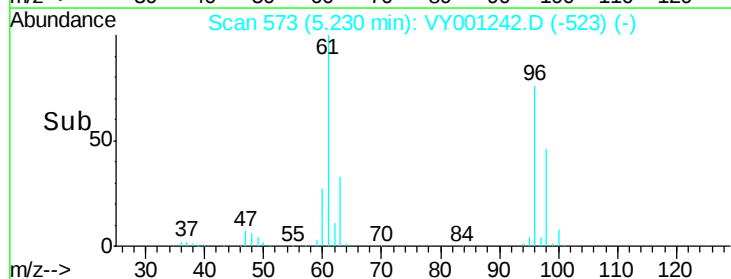
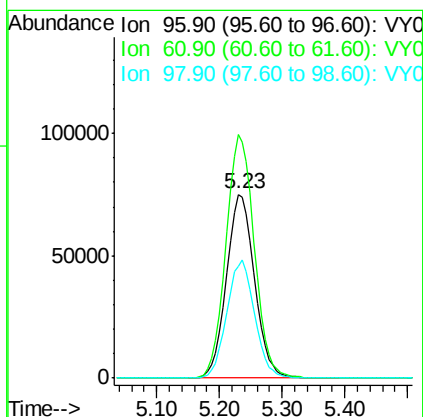
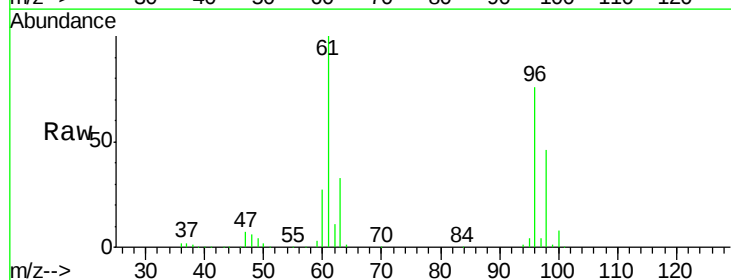
Instrument :
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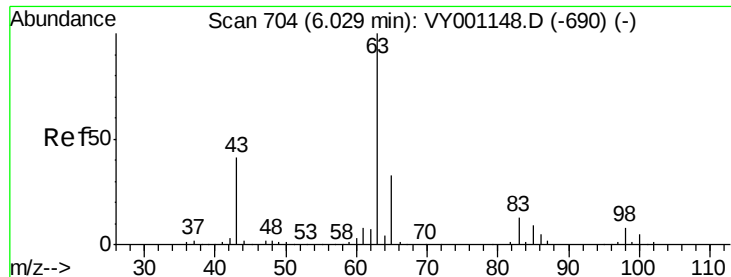
Tot Ion: 43 Resp: 3018
Ion Ratio Lower Upper
43 100
74 24.1 20.2 30.2



#21
trans-1,2-Dichloroethene
Concen: 110.535 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

Tgt Ion: 96 Resp: 232912
Ion Ratio Lower Upper
96 100
61 132.3 107.6 161.4
98 60.7 47.6 71.4





#24

1,1-Dichloroethane

Concen: 136.476 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

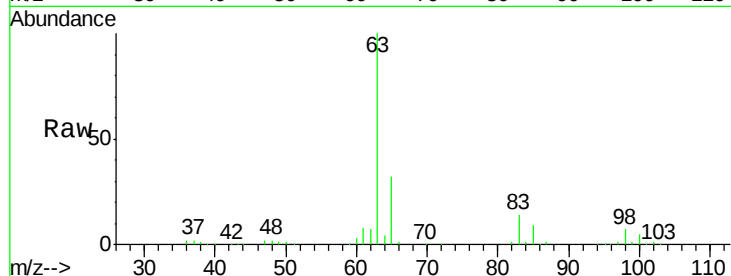
Tot Ion: 63 Resp: 478626

Ion Ratio Lower Upper

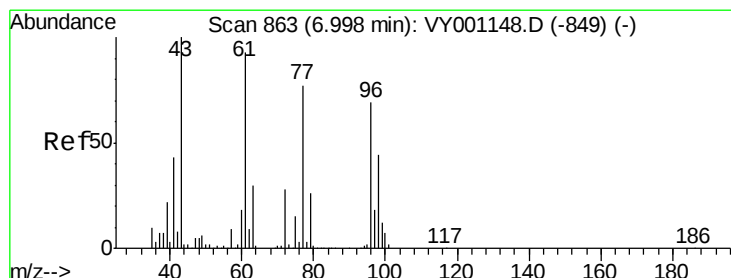
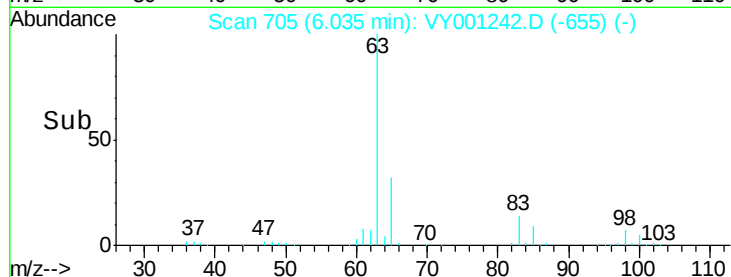
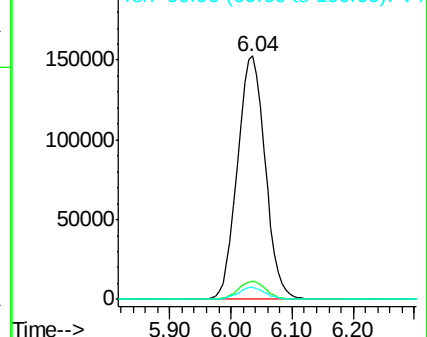
63 100

98 7.3 3.9 11.7

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0



#27

cis-1,2-Dichloroethene

Concen: 2694.874 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

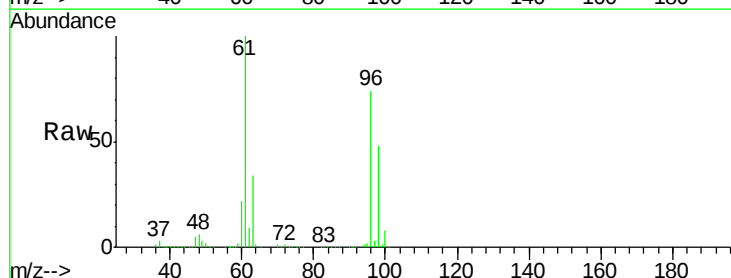
Tgt Ion: 96 Resp: 6222186

Ion Ratio Lower Upper

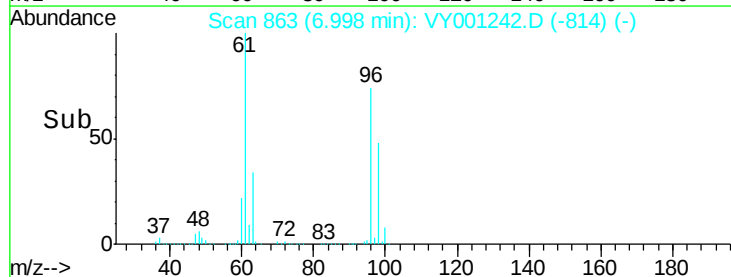
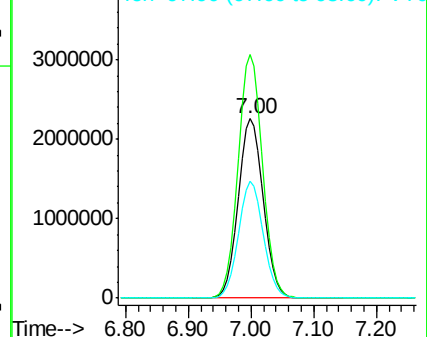
96 100

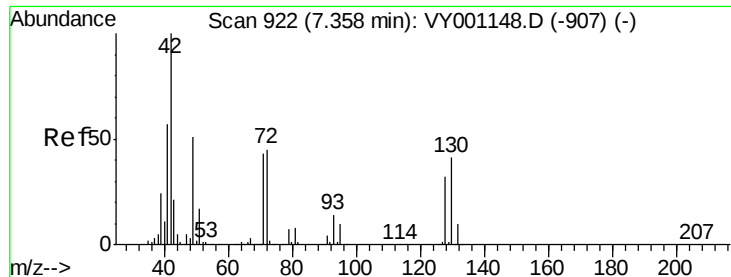
61 132.9 0.0 284.0

98 64.6 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

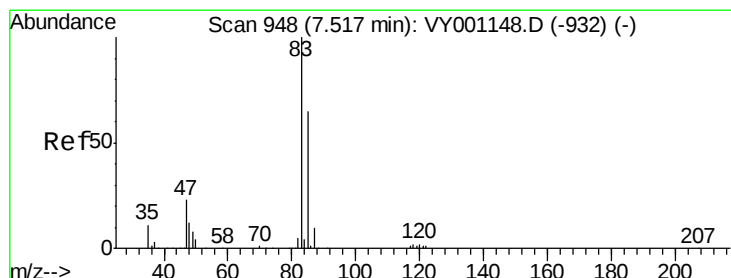
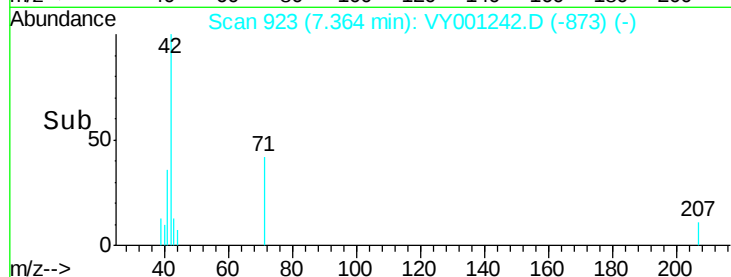
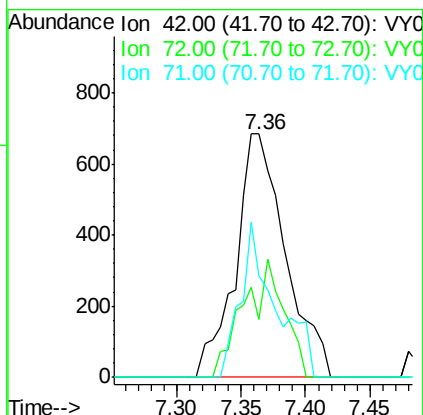
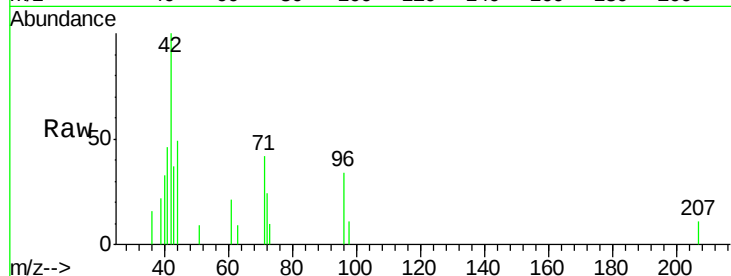




#29
Tetrahydrofuran
Concen: 3.863 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

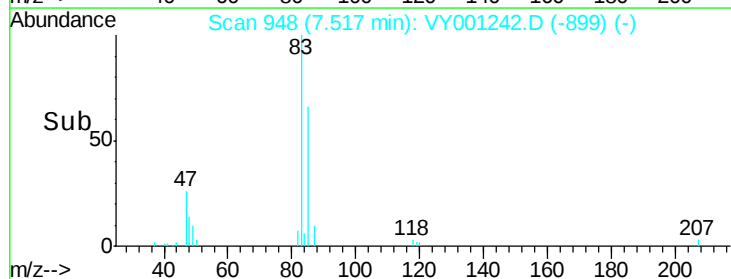
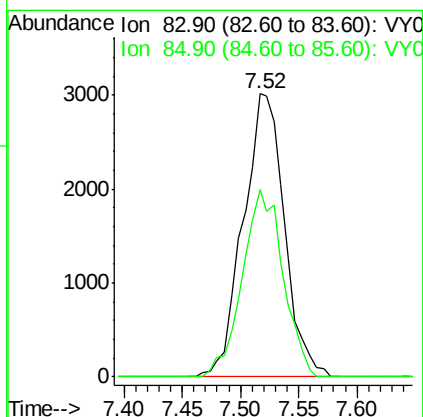
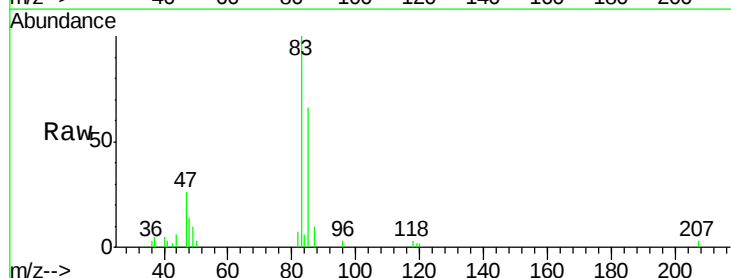
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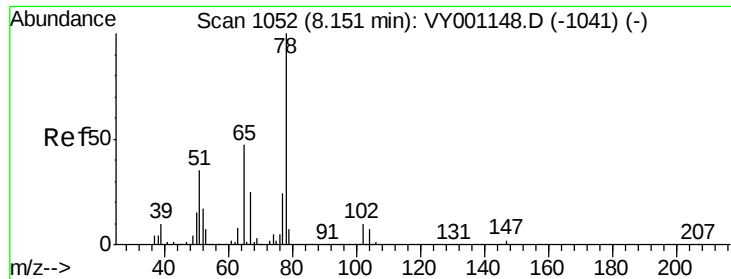
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	36.9	55.3
71	45.2	34.0	51.0



#30
Chloroform
Concen: 2.167 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9

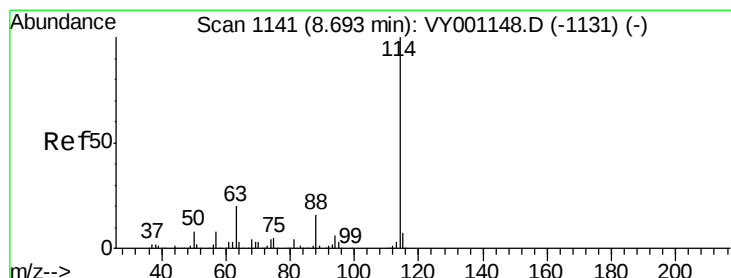
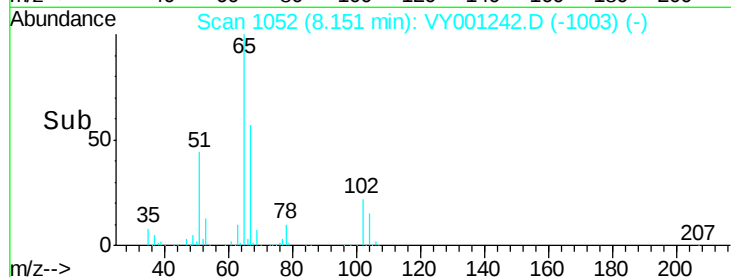
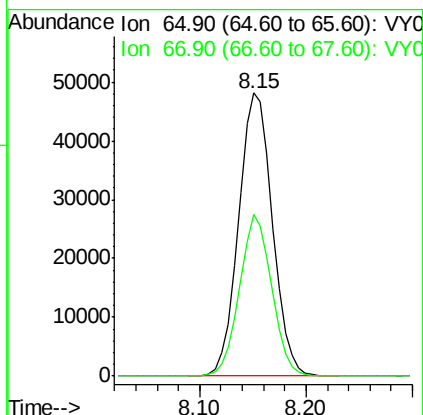
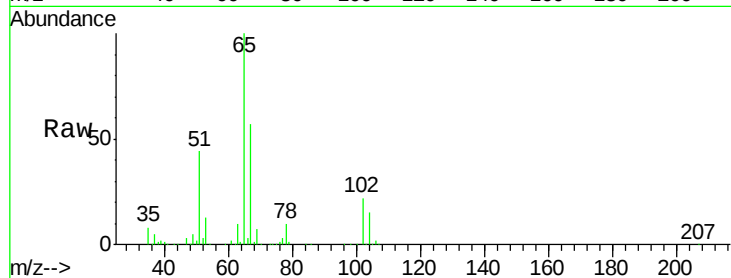




#33
 1,2-Dichloroethane-d4
 Concen: 55.840 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001242.D
 Acq: 16 Jan 2020 01:11

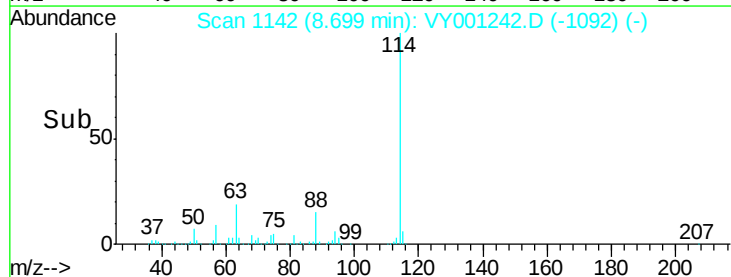
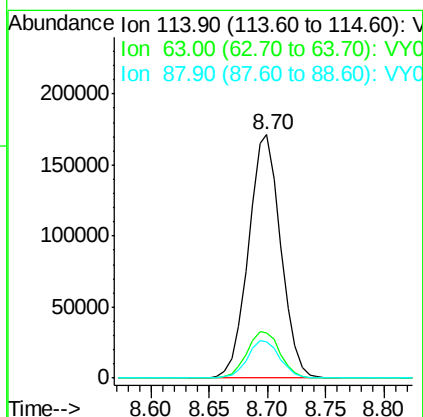
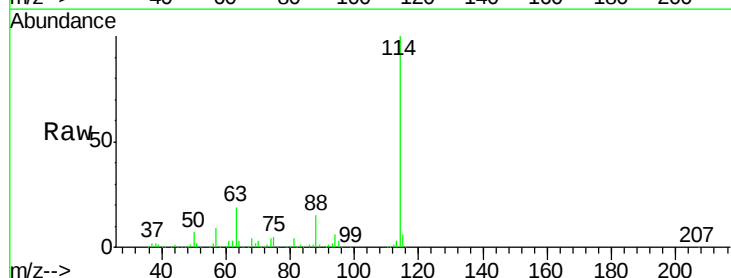
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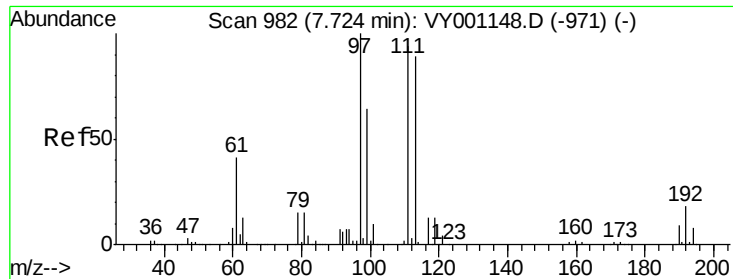
Tot Ion: 65 Resp: 107209
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001242.D
 Acq: 16 Jan 2020 01:11

Tgt Ion: 114 Resp: 331649
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.8
 88 15.1 0.0 32.4

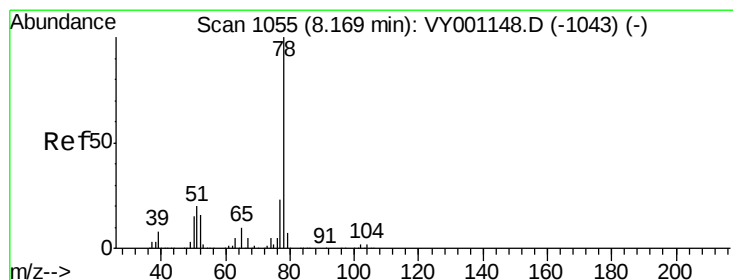
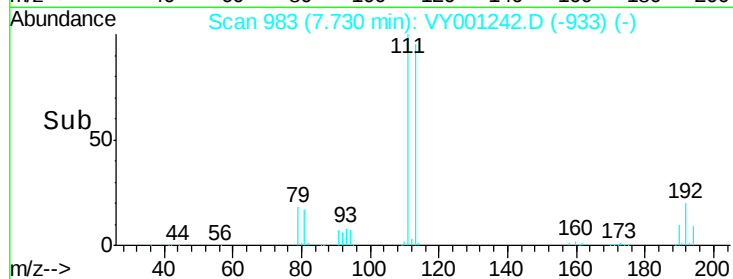
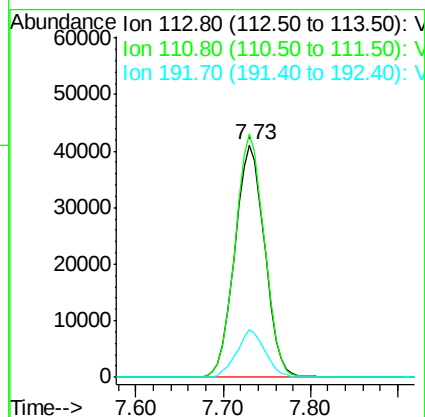
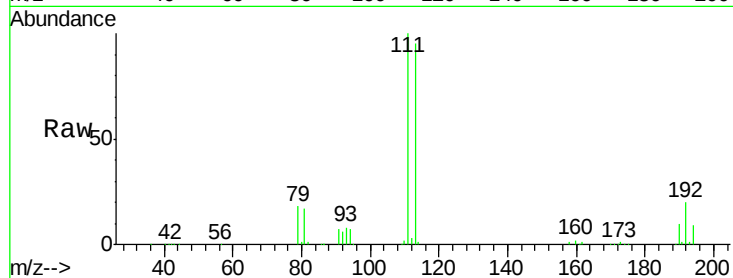




#35
Dibromofluoromethane
Concen: 50.314 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

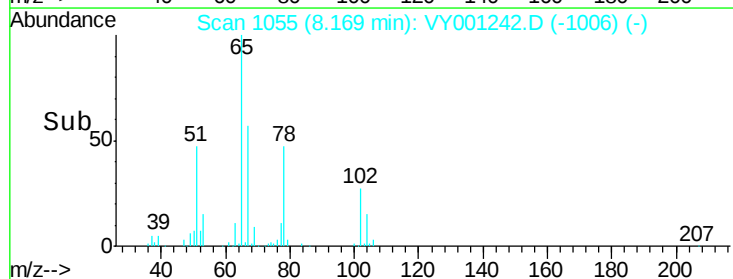
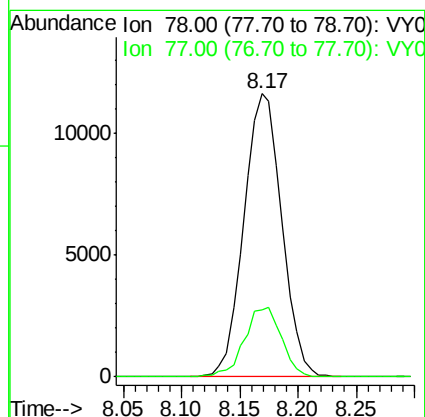
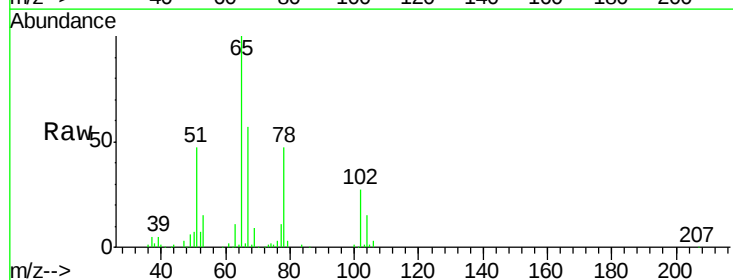
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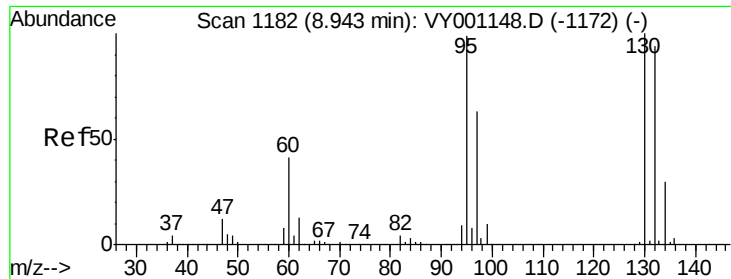
Tot Ion:113 Resp: 97700
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 19.5 15.4 23.2



#40
Benzene
Concen: 2.999 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

Tgt Ion: 78 Resp: 26458
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#44

Trichloroethene

Concen: 247.404 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

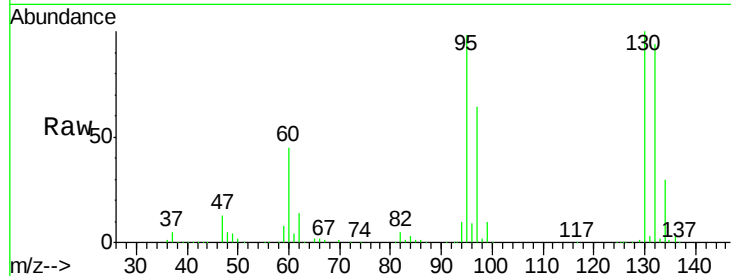
WP022SB457_200113_23-25

Tot Ion:130 Resp: 568831

Ion Ratio Lower Upper

130 100

95 98.4 0.0 197.6



Abundance Ion 129.80 (129.50 to 130.50): VY001148.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001148.D (-1172) (-)

8.94

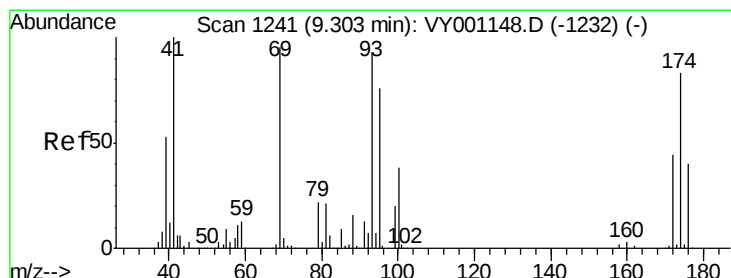
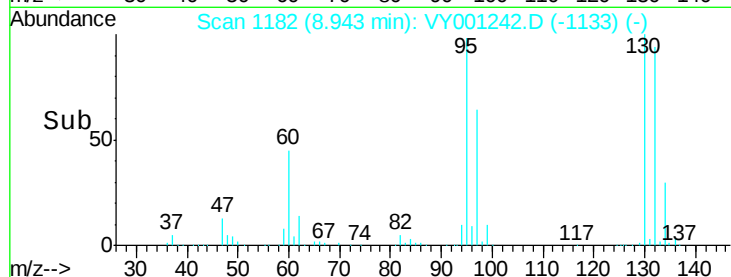
300000

200000

100000

0

Time--> 8.80 8.90 9.00 9.10



#49

1,4-Dioxane

Concen: 102.383 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

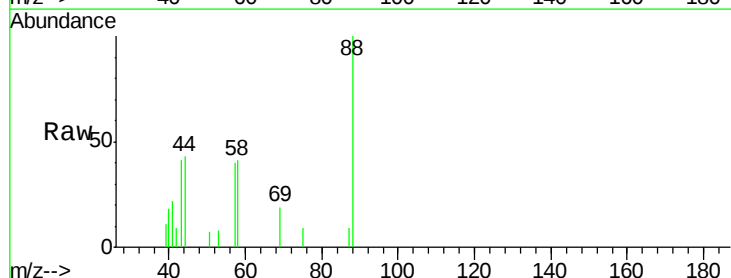
Tgt Ion: 88 Resp: 1484

Ion Ratio Lower Upper

88 100

43 38.3 22.4 33.6#

58 54.9 58.0 87.0#



Abundance Ion 88.00 (87.70 to 88.70): VY001148.D (-1232) (-)

Ion 43.00 (42.70 to 43.70): VY001148.D (-1232) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-1232) (-)

9.30

800

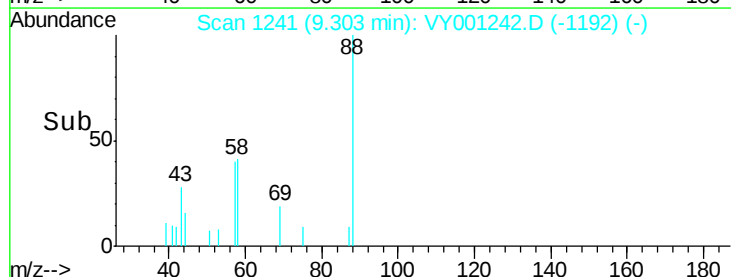
600

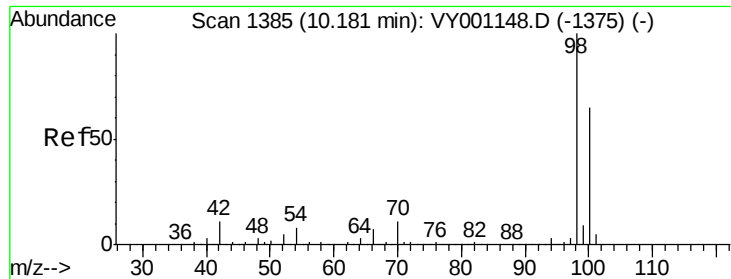
400

200

0

Time--> 9.25 9.30 9.35 9.40





#50

Toluene-d8

Concen: 51.678 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

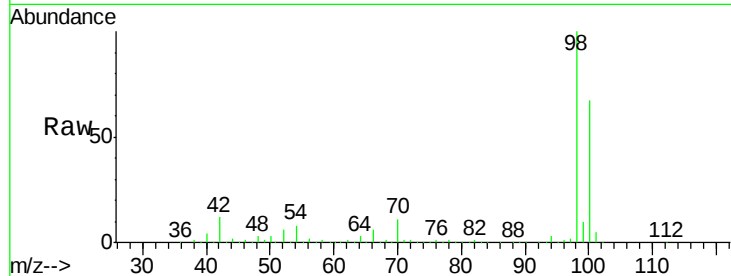
WP022SB457_200113_23-25

Tot Ion: 98 Resp: 386654

Ion Ratio Lower Upper

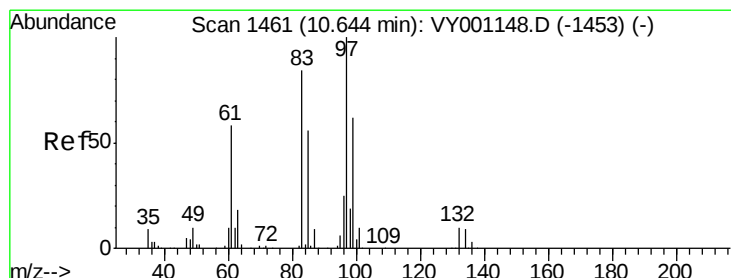
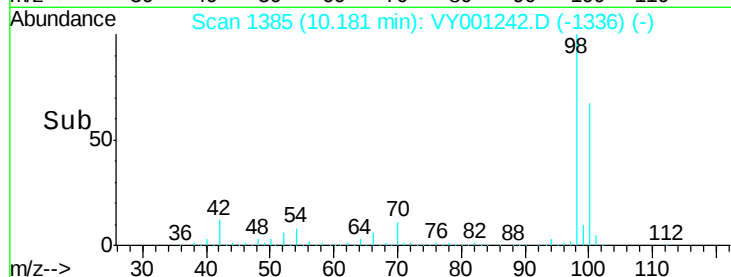
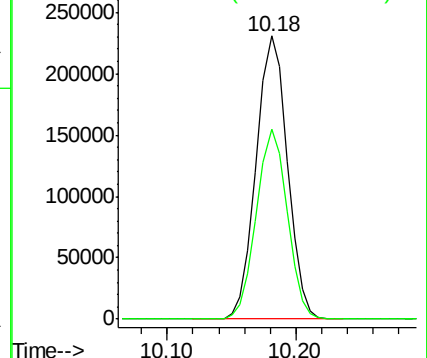
98 100

100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#55

1,1,2-Trichloroethane

Concen: 1.777 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Tgt Ion: 97 Resp: 3135

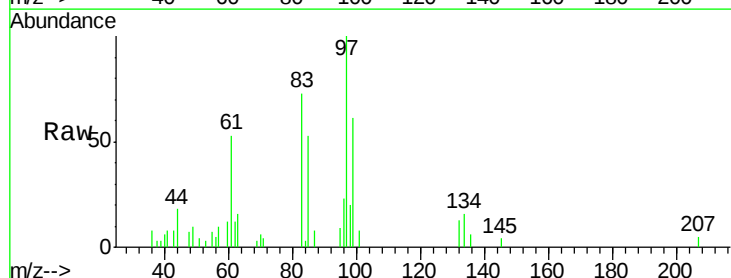
Ion Ratio Lower Upper

97 100

83 73.1 67.2 100.8

85 53.0 44.9 67.3

99 61.2 49.9 74.9

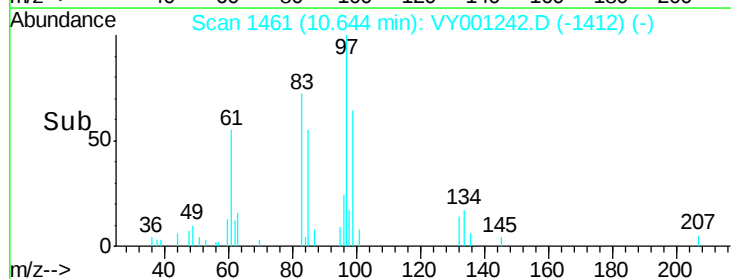
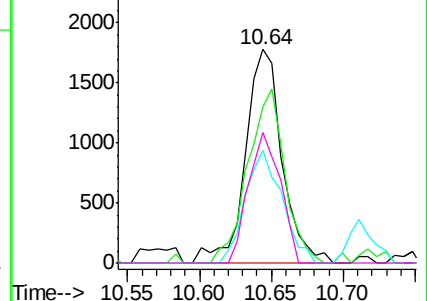


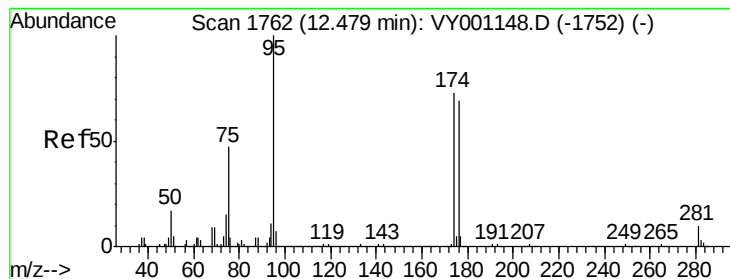
Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0





#62

4-Bromofluorobenzene

Concen: 45.832 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

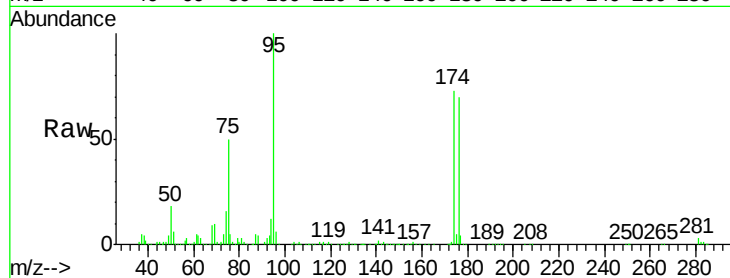
Tot Ion: 95 Resp: 140195

Ion Ratio Lower Upper

95 100

174 74.8 0.0 143.2

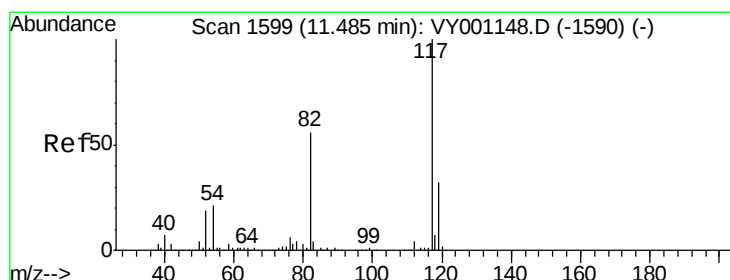
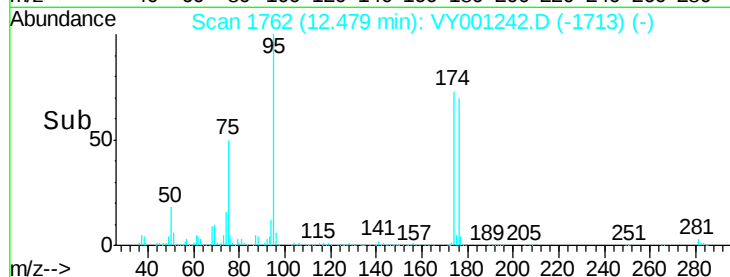
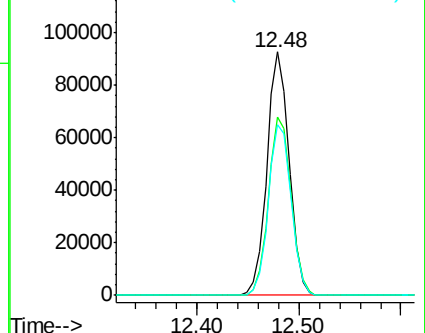
176 71.9 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001148.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY001148.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY001148.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

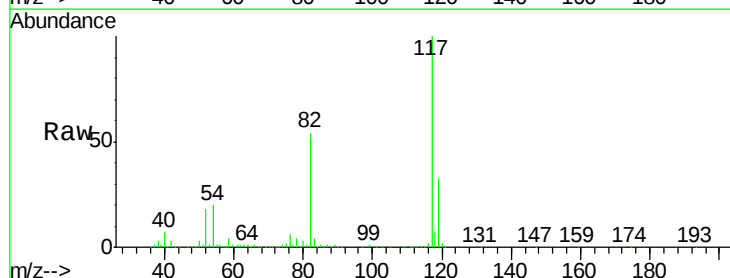
Tgt Ion: 117 Resp: 293429

Ion Ratio Lower Upper

117 100

82 54.2 44.9 67.3

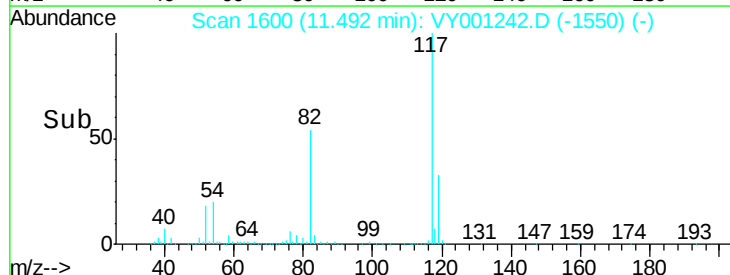
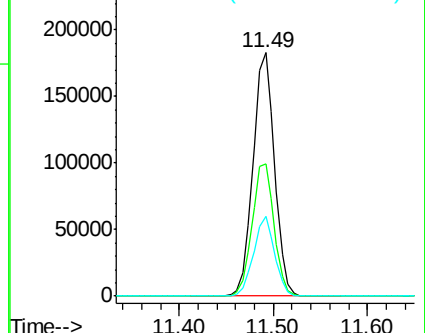
119 32.6 25.7 38.5

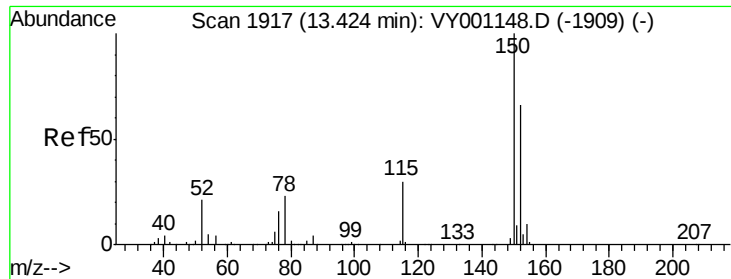


Abundance Ion 116.90 (116.60 to 117.60): VY001148.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY001148.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY001148.D (-1590) (-)



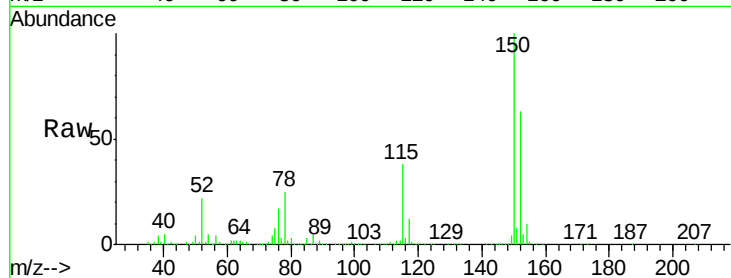


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_23-25

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.9	92.5
150	158.9	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

