

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 04:56:27 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%	

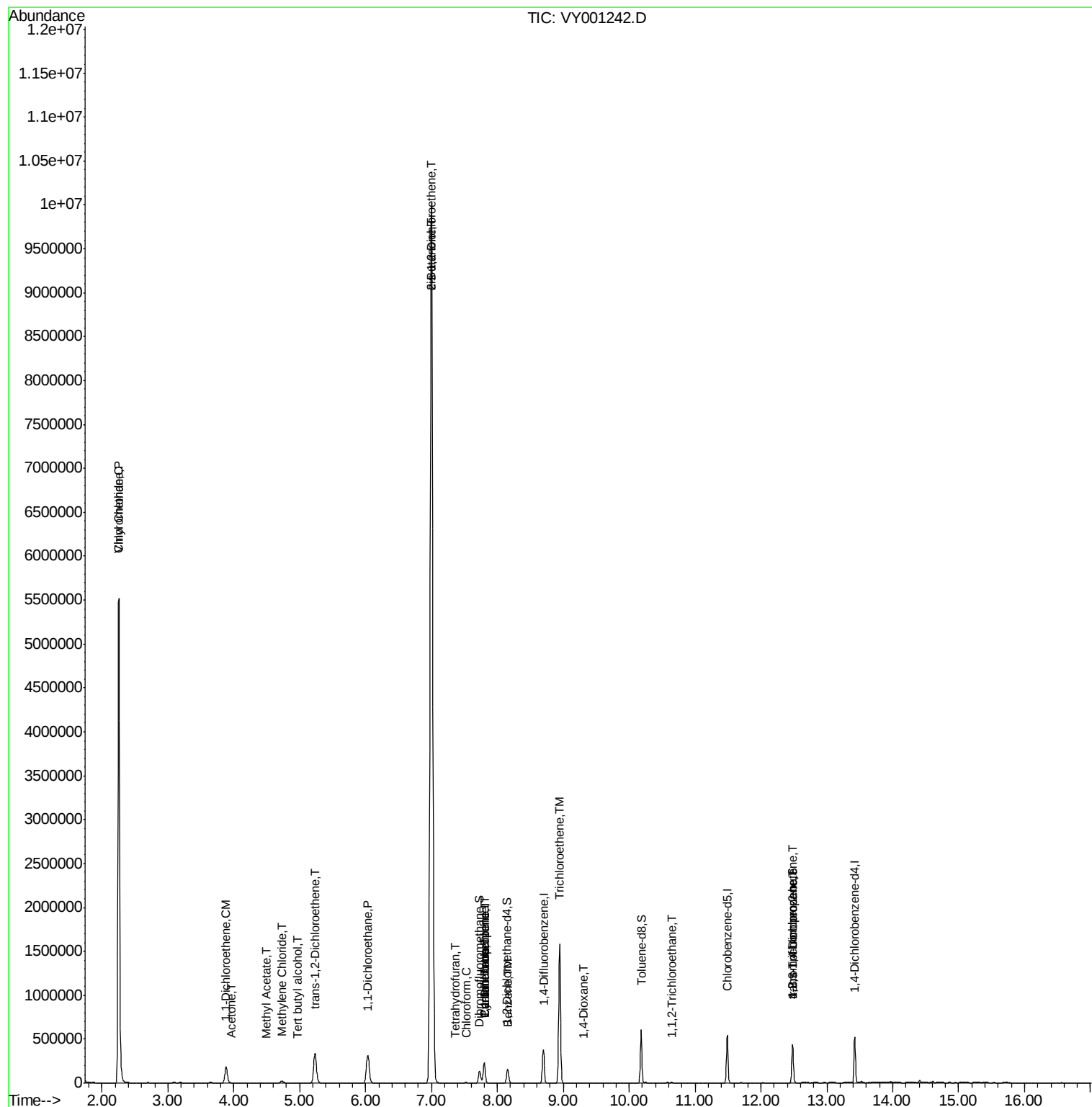
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.26	50	32503	16.152	ug/l #	42
4) Vinyl Chloride	2.26	62	5592209	2758.479	ug/l	99
11) Tert butyl alcohol	4.97	59	2261	11.705	ug/l #	80
12) 1,1-Dichloroethene	3.88	96	110992	59.727	ug/l	98
16) Acetone	3.96	43	4935	11.068	ug/l	96
18) Methyl Acetate	4.49	43	3018	2.047	ug/l	98
20) Methylene Chloride	4.73	84	17541	3.281	ug/l	97
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
25) 2-Butanone	7.00	43	1113	1.604	ug/l #	1
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
31) Cyclohexane	7.80	56	4281	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13749	4.548	ug/l #	48
38) Carbon Tetrachloride	7.80	117	17615	6.359	ug/l #	15
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
76) 1,2,3-Trichloropropane	12.48	75	68701	50.468	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	68701	85.583	ug/l #	6

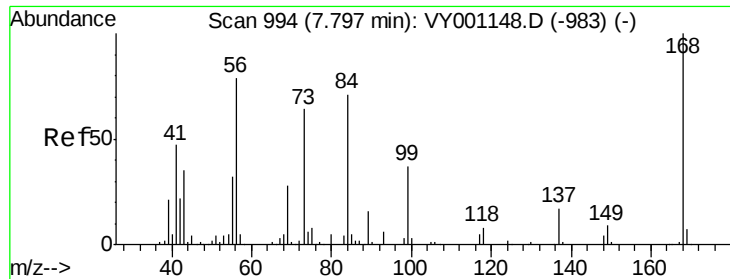
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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 04:56:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

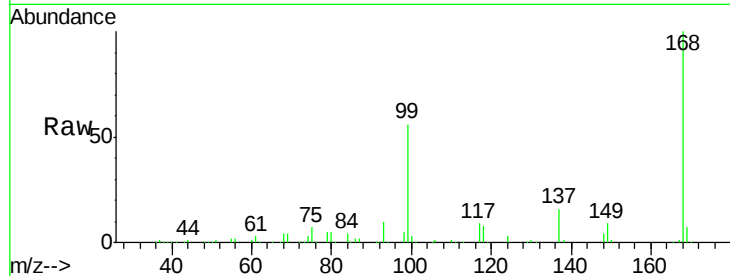




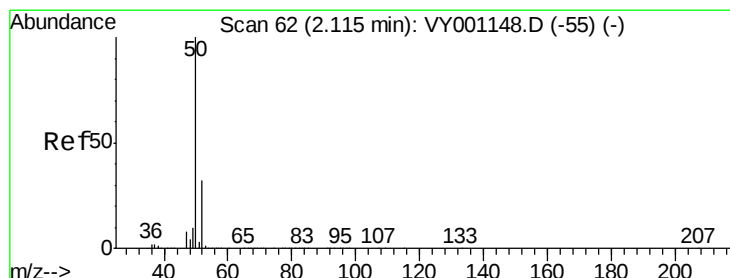
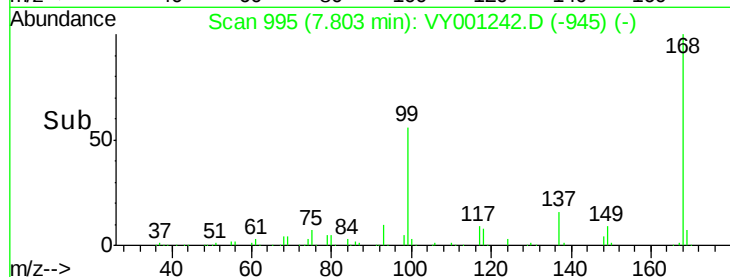
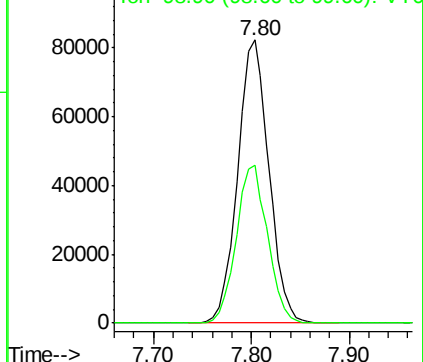
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_23-25

Tgt Ion: 168 Resp: 181781
Ion Ratio Lower Upper
168 100
99 55.6 47.9 71.9

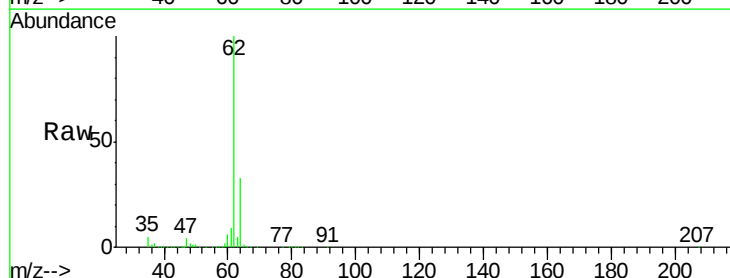


Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)
Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

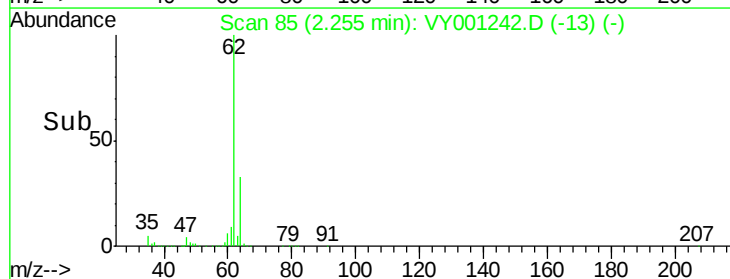
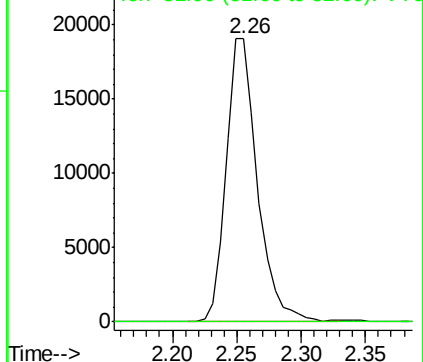


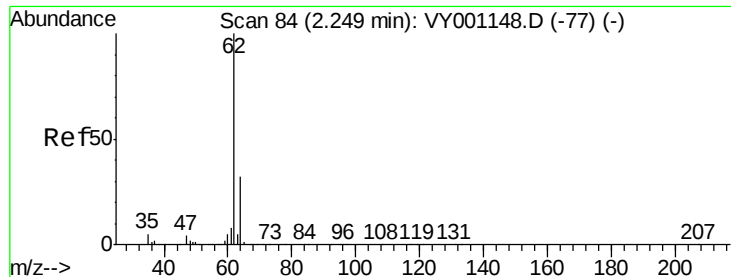
#3
Chloromethane
Concen: 16.152 ug/l
RT: 2.26 min Scan# 85
Delta R.T. 0.14 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

Tgt Ion: 50 Resp: 32503
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY001148.D (-55) (-)
Ion 51.90 (51.60 to 52.60): VY001148.D (-55) (-)





#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

Instrument :

MSVOA_Y

ClientSampleId :

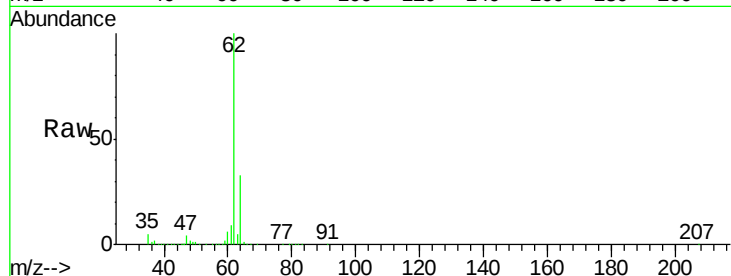
WP022SB457_200113_23-25

Tgt Ion: 62 Resp: 5592209

Ion Ratio Lower Upper

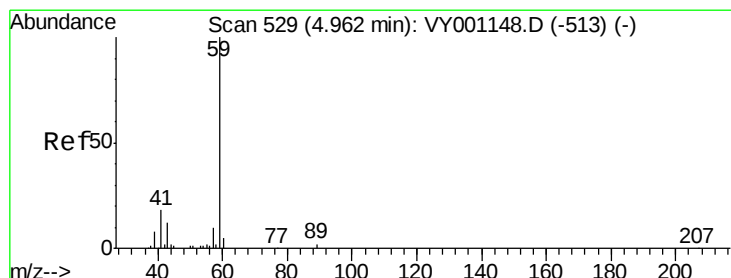
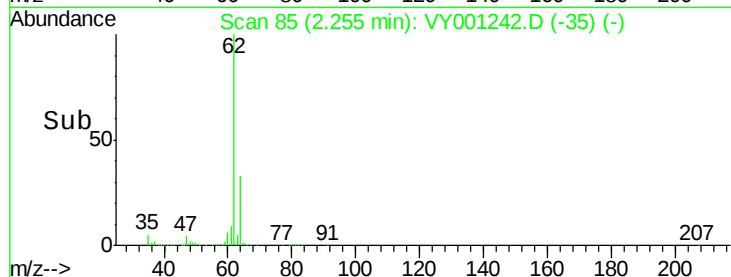
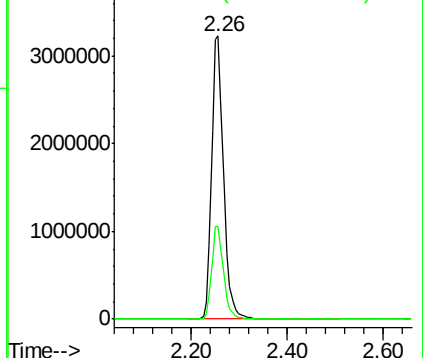
62 100

64 32.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0



#11

Tert butyl alcohol

Concen: 11.705 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY001242.D

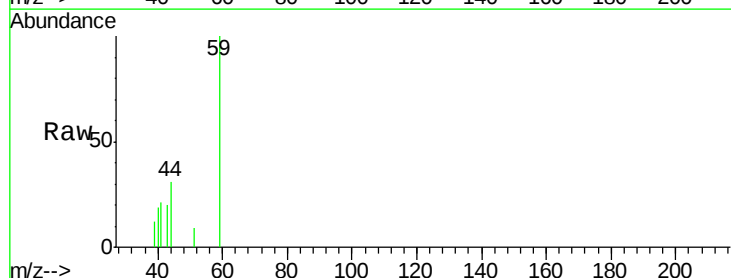
Acq: 16 Jan 2020 01:11

Tgt Ion: 59 Resp: 2261

Ion Ratio Lower Upper

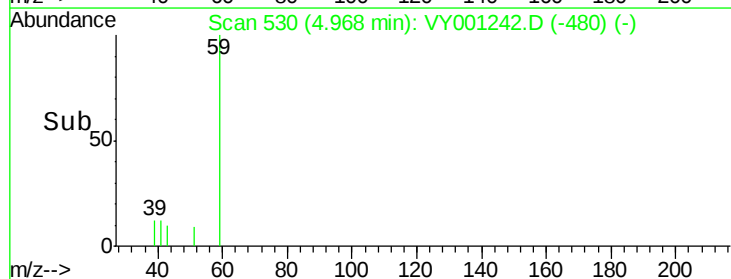
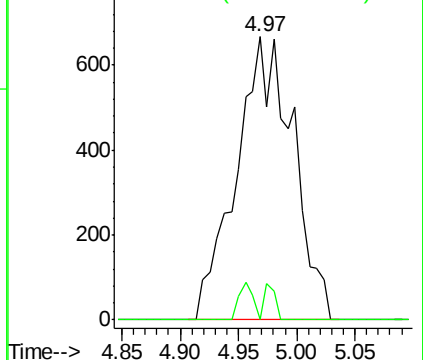
59 100

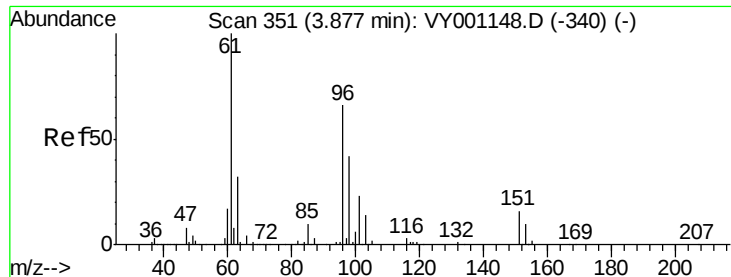
57 2.5 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#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 :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

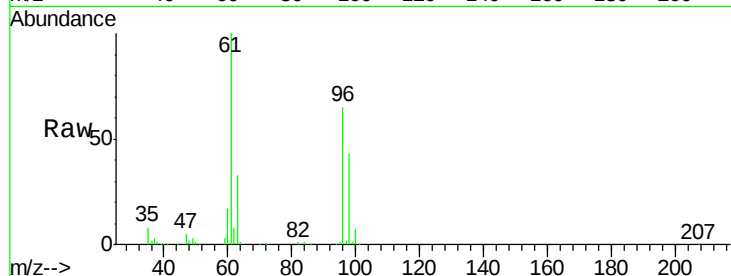
Tgt Ion: 96 Resp: 110992

Ion Ratio Lower Upper

96 100

61 154.3 122.1 183.1

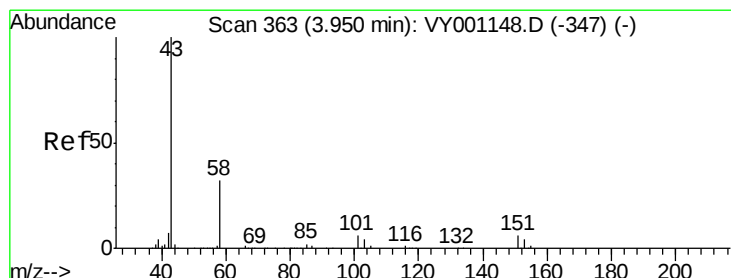
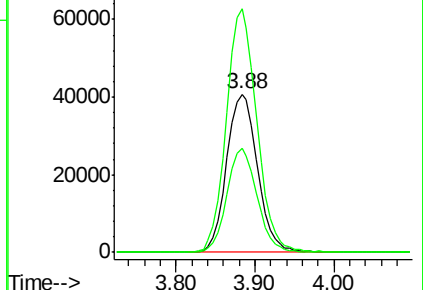
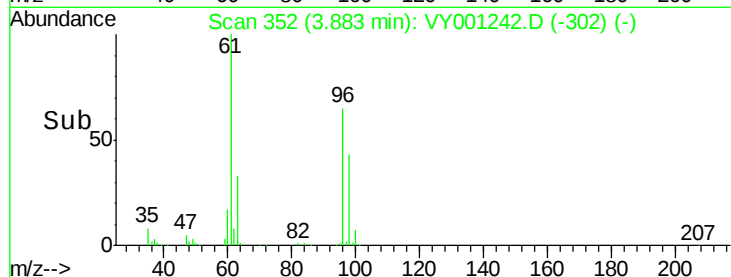
98 65.9 51.0 76.6



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

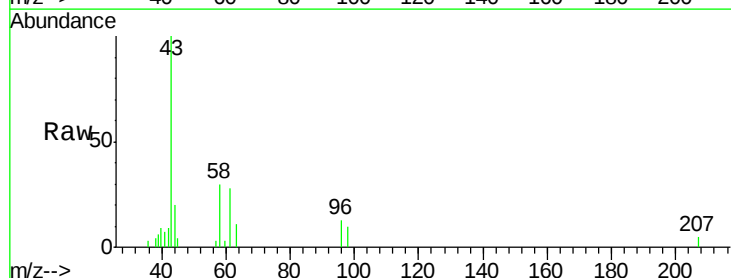
Acq: 16 Jan 2020 01:11

Tgt Ion: 43 Resp: 4935

Ion Ratio Lower Upper

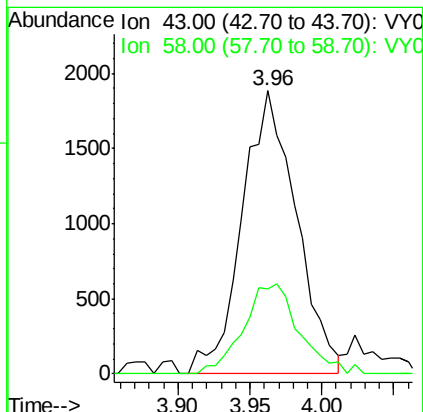
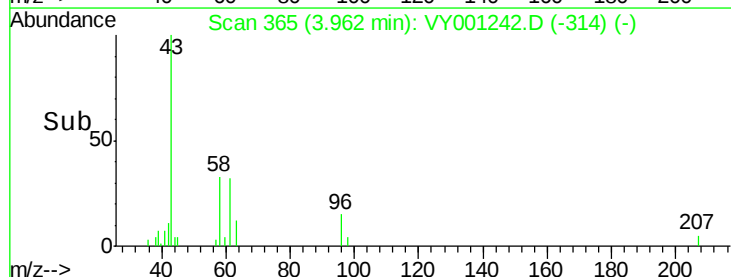
43 100

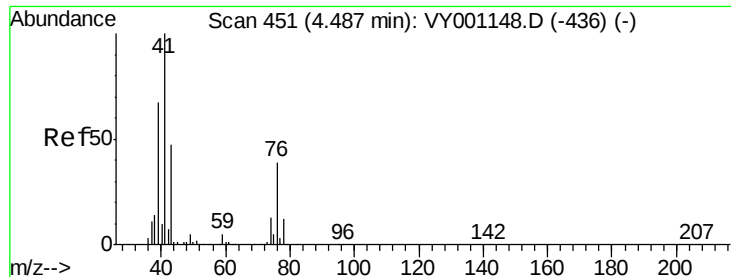
58 29.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

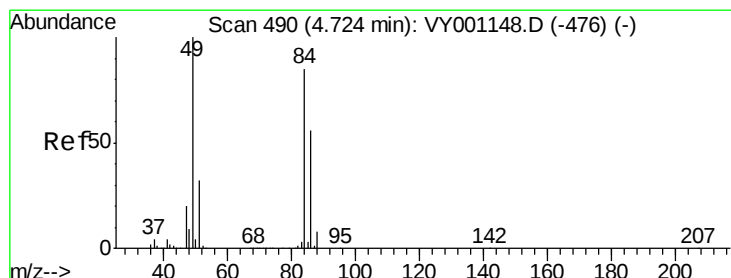
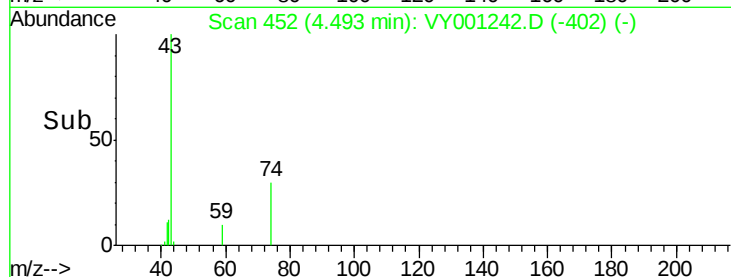
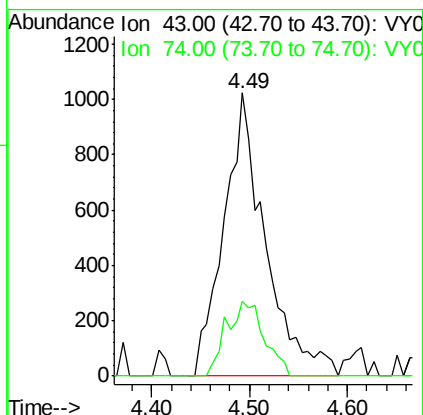
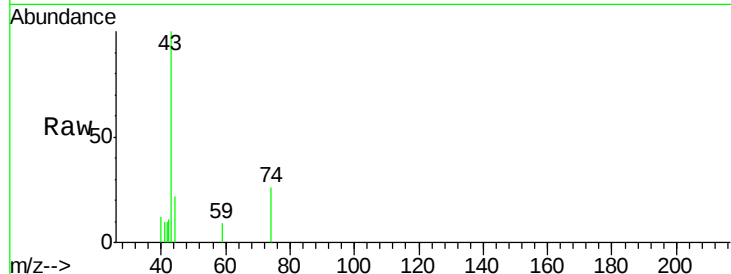




#18
Methyl Acetate
Concen: 2.047 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

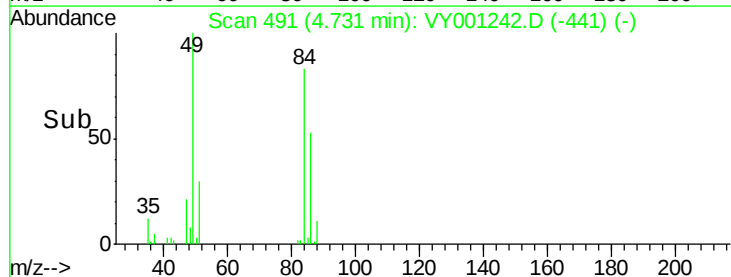
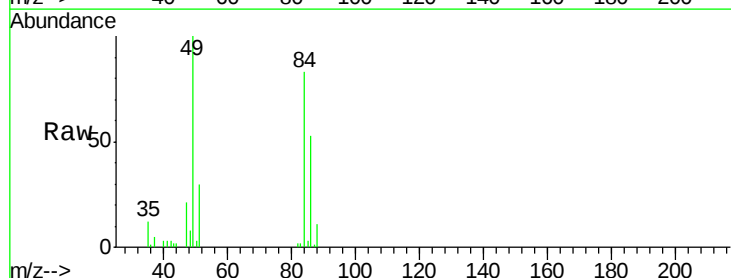
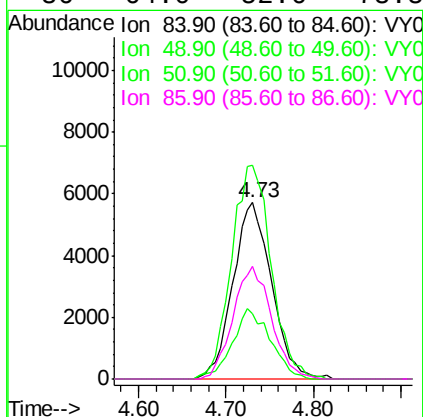
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_23-25

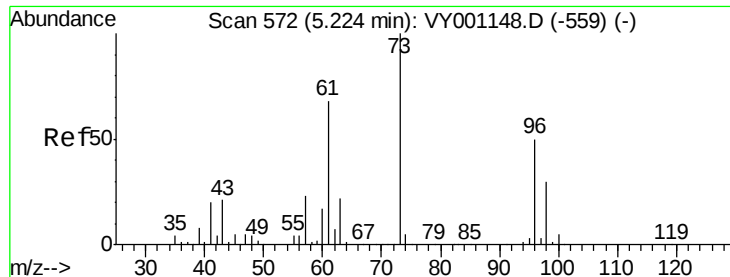
Tgt Ion: 43 Resp: 3018
Ion Ratio Lower Upper
43 100
74 24.1 20.2 30.2



#20
Methylene Chloride
Concen: 3.281 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

Tgt Ion: 84 Resp: 17541
Ion Ratio Lower Upper
84 100
49 121.0 93.8 140.6
51 36.9 29.9 44.9
86 64.0 52.6 78.8





#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

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

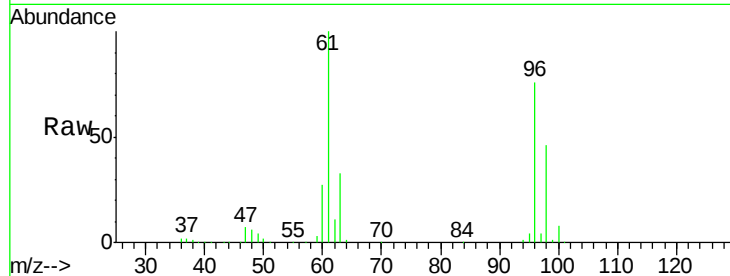
Tgt Ion: 96 Resp: 232912

Ion Ratio Lower Upper

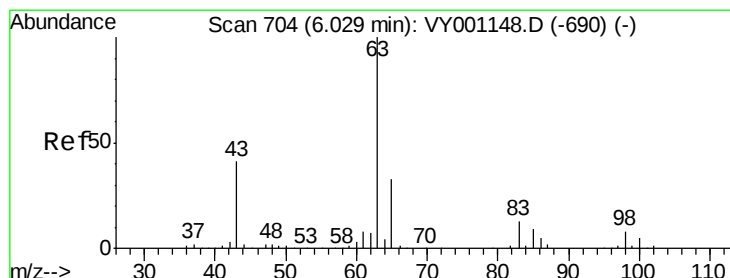
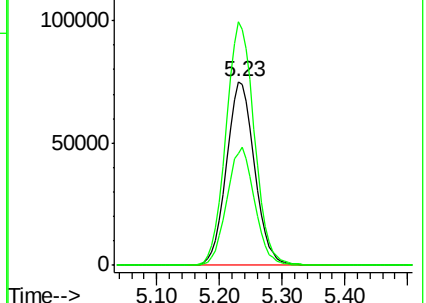
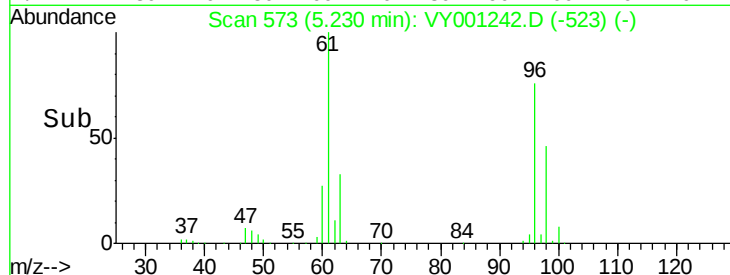
96 100

61 132.3 107.6 161.4

98 60.7 47.6 71.4



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



#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

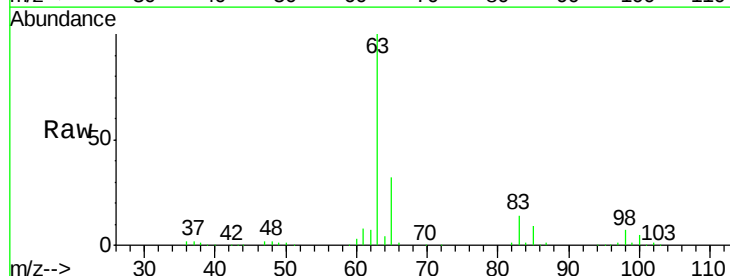
Tgt Ion: 63 Resp: 478626

Ion Ratio Lower Upper

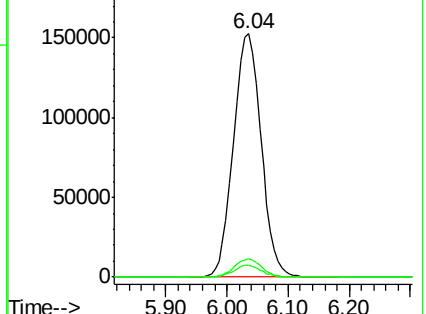
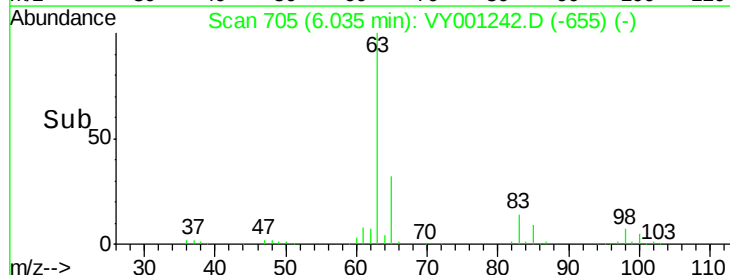
63 100

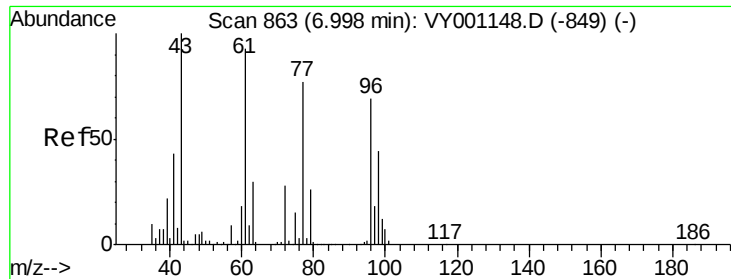
98 7.3 3.9 11.7

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





#25

2-Butanone

Concen: 1.604 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

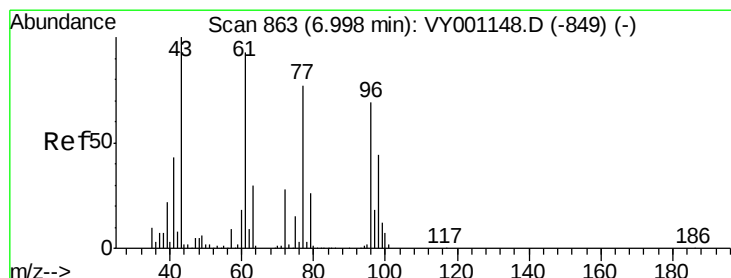
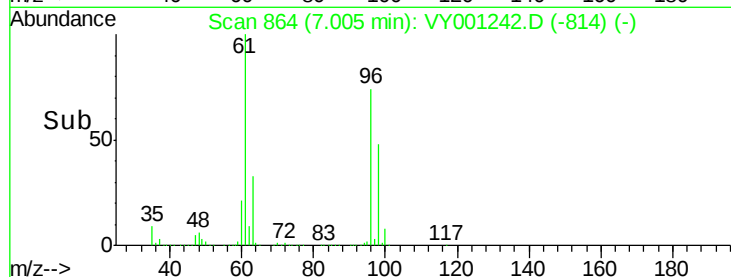
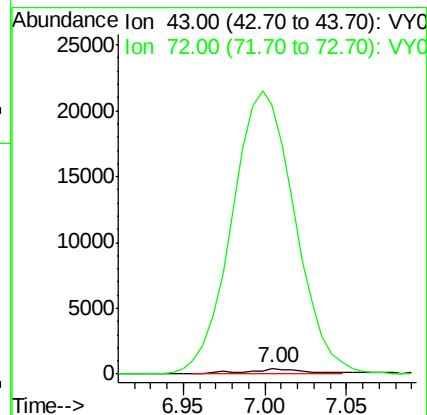
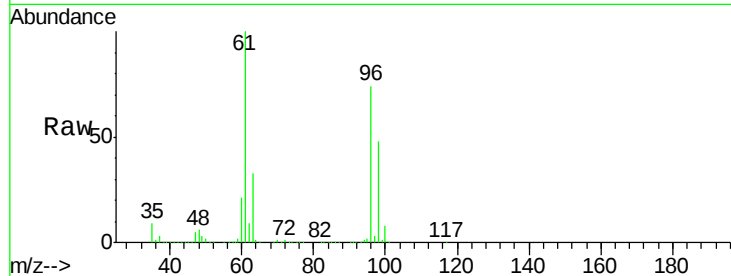
WP022SB457_200113_23-25

Tgt Ion: 43 Resp: 1113

Ion Ratio Lower Upper

43 100

72 4295.6 22.2 33.2#



#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

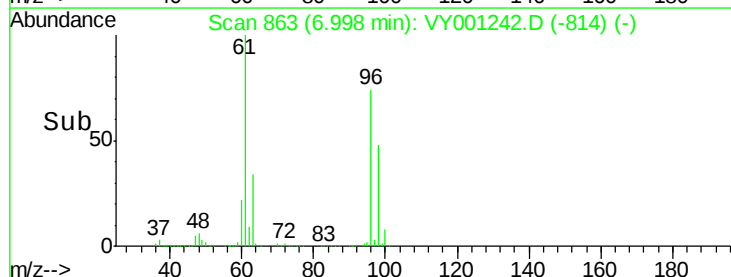
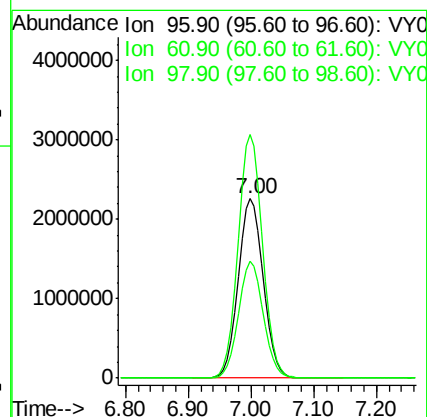
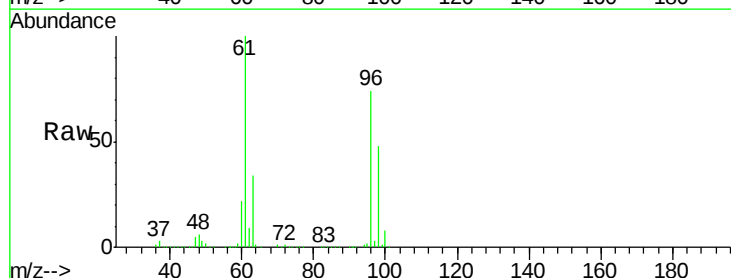
Tgt Ion: 96 Resp: 6222186

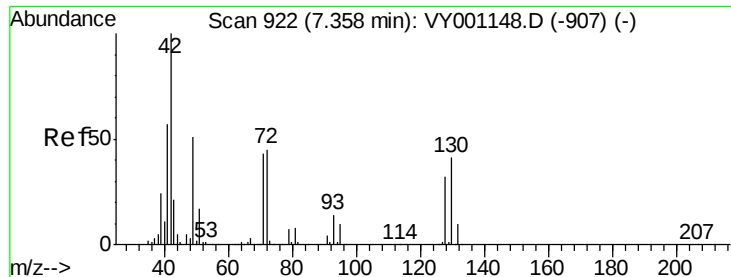
Ion Ratio Lower Upper

96 100

61 132.9 0.0 284.0

98 64.6 0.0 130.2

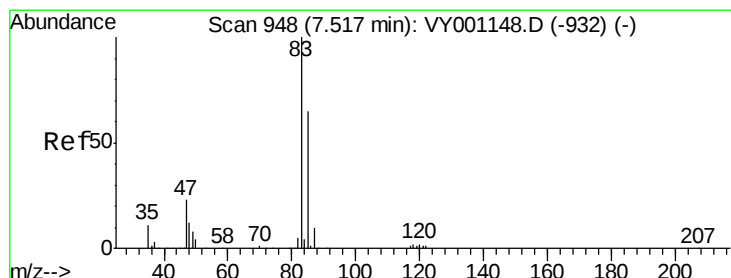
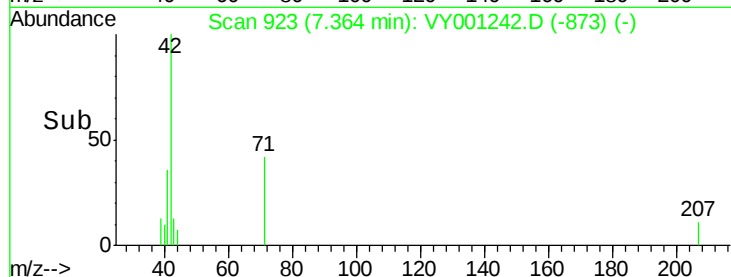
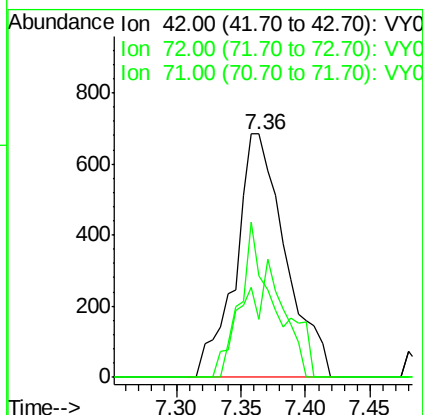
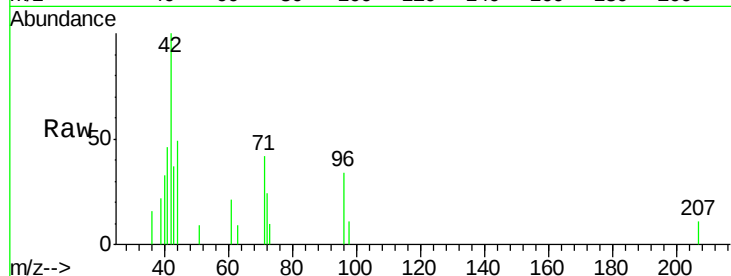




#29
Tetrahydrofuran
Concen: 3.863 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001242.D
Acq: 16 Jan 2020 01:11

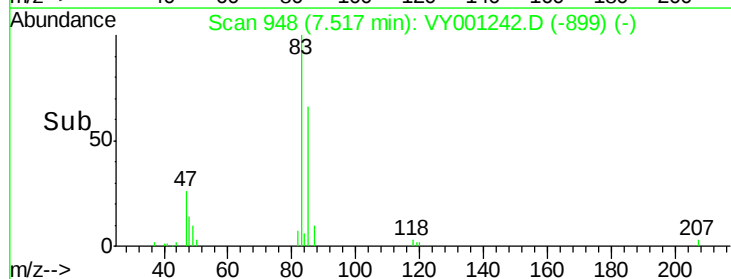
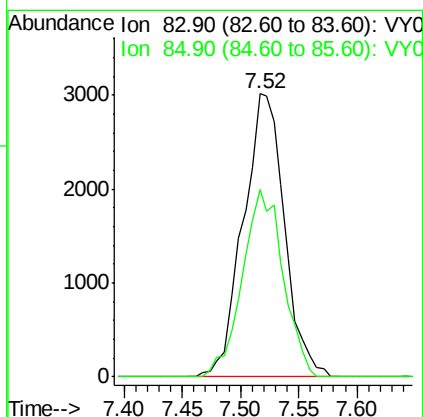
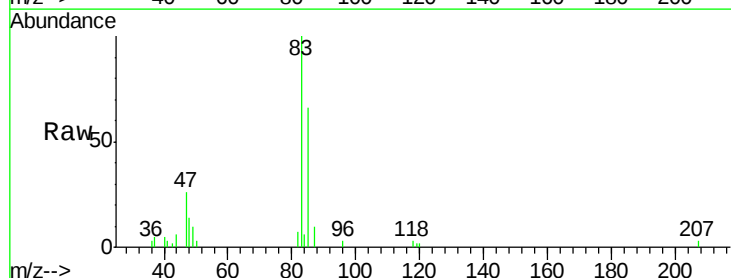
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_23-25

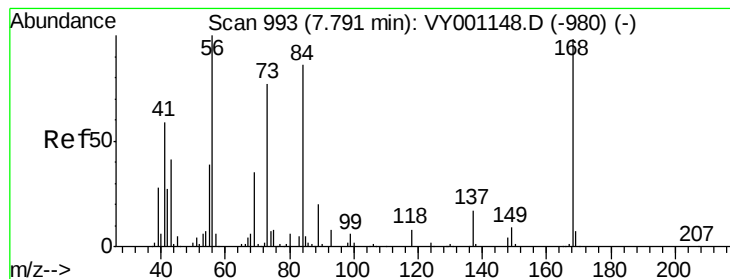
Tgt Ion: 42 Resp: 1837
Ion Ratio Lower Upper
42 100
72 39.1 36.9 55.3
71 45.2 34.0 51.0



#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: 83 Resp: 7448
Ion Ratio Lower Upper
83 100
85 66.1 51.9 77.9





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

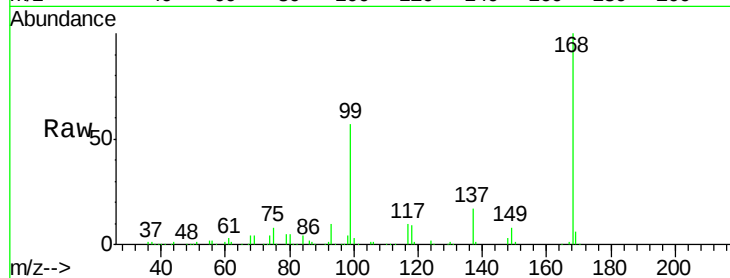
Tgt Ion: 56 Resp: 4281

Ion Ratio Lower Upper

56 100

69 161.7 27.8 41.8#

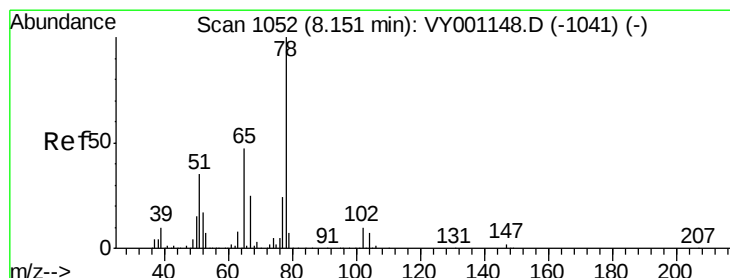
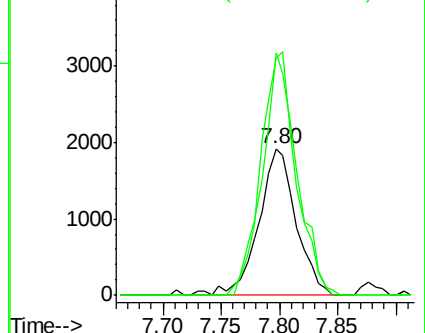
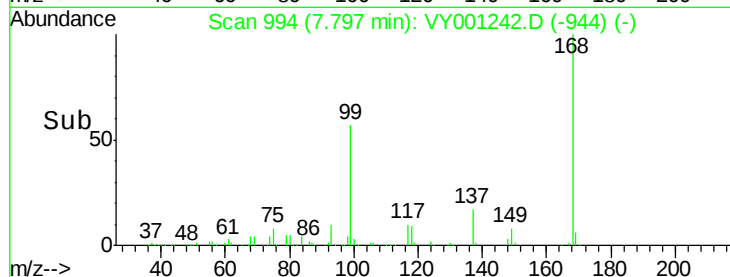
84 165.7 68.9 103.3#



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: 55.840 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001242.D

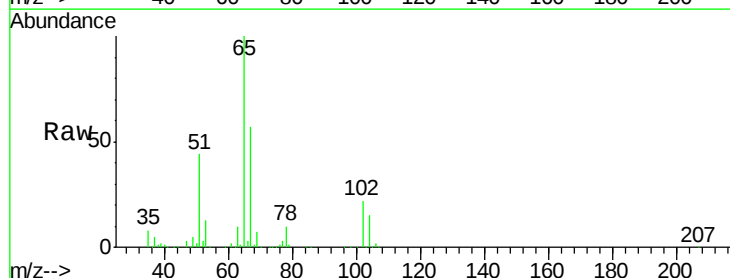
Acq: 16 Jan 2020 01:11

Tgt Ion: 65 Resp: 107209

Ion Ratio Lower Upper

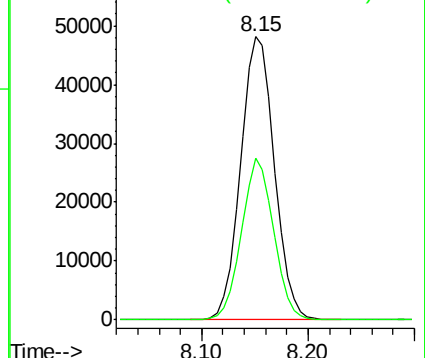
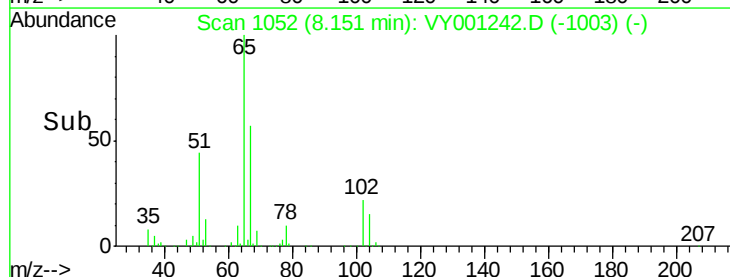
65 100

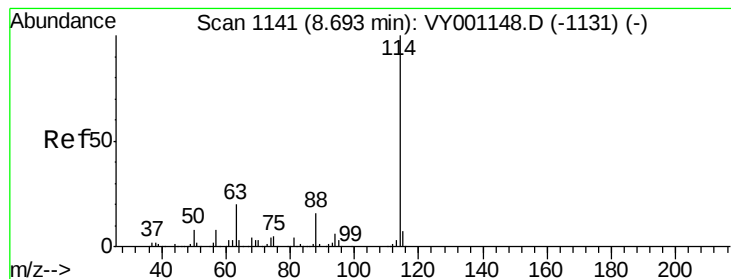
67 54.4 0.0 105.2



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: VY001242.D

Acq: 16 Jan 2020 01:11

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

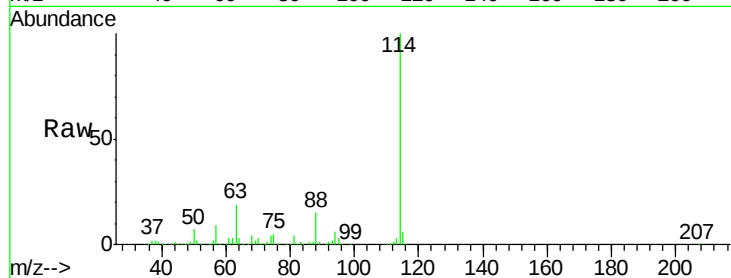
Tgt Ion:114 Resp: 331649

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

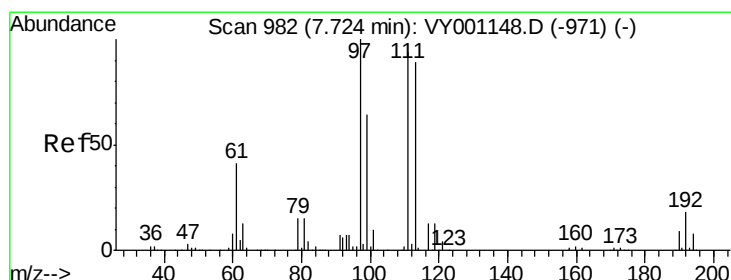
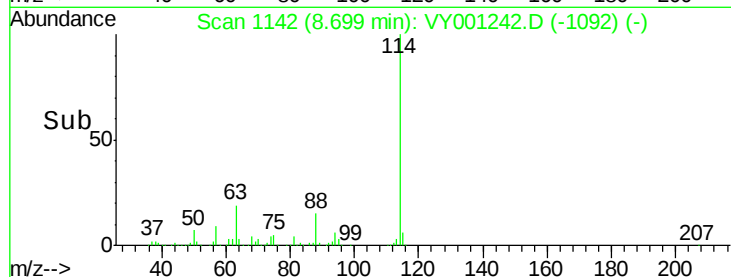
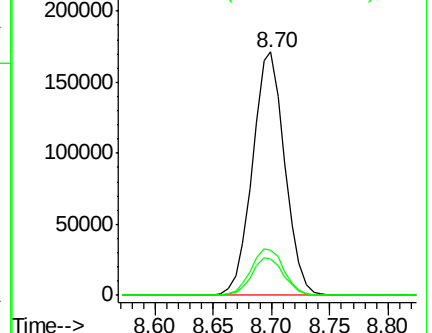
88 15.1 0.0 32.4



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: 50.314 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001242.D

Acq: 16 Jan 2020 01:11

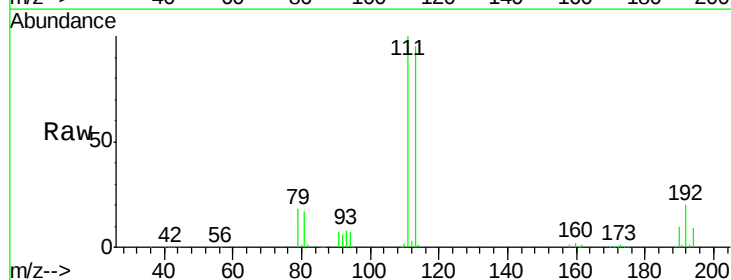
Tgt Ion:113 Resp: 97700

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

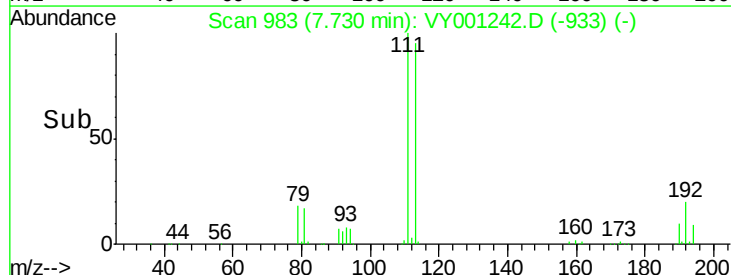
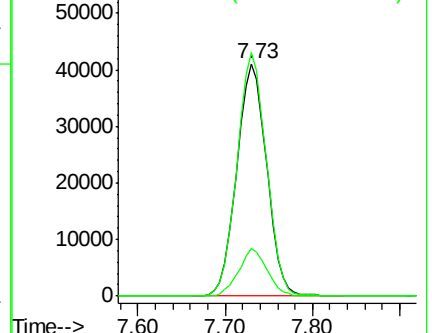
192 19.5 15.4 23.2

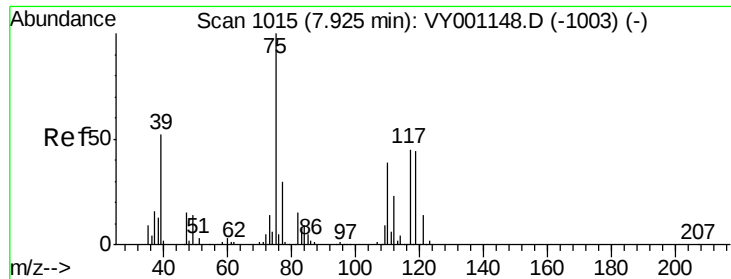


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

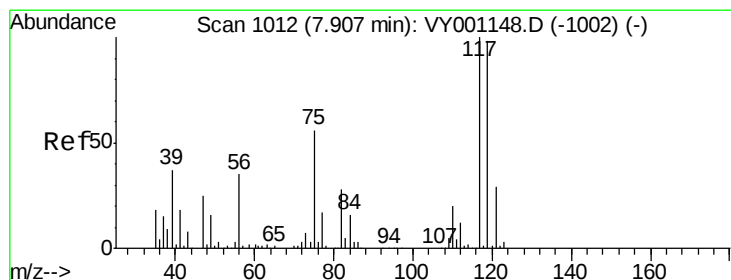
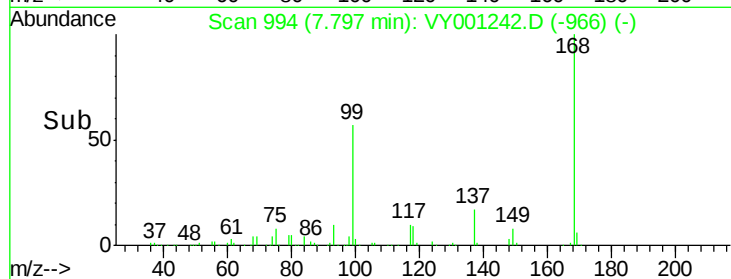
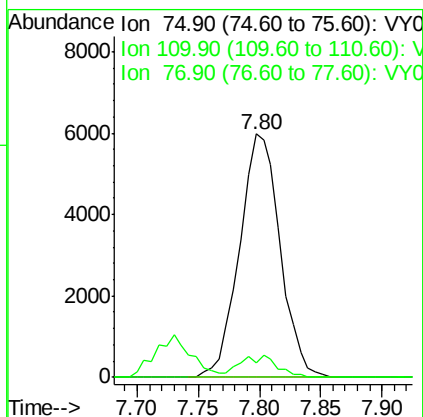
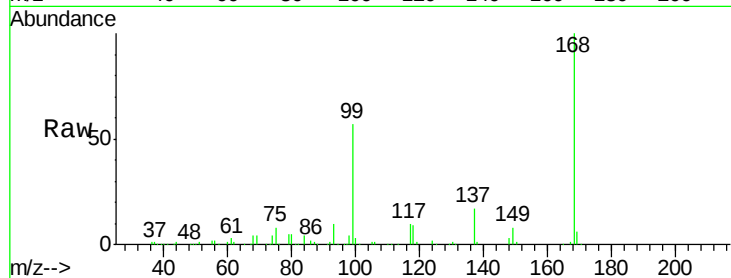




#36
 1,1-Dichloropropene
 Concen: 4.548 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001242.D
 Acq: 16 Jan 2020 01:11

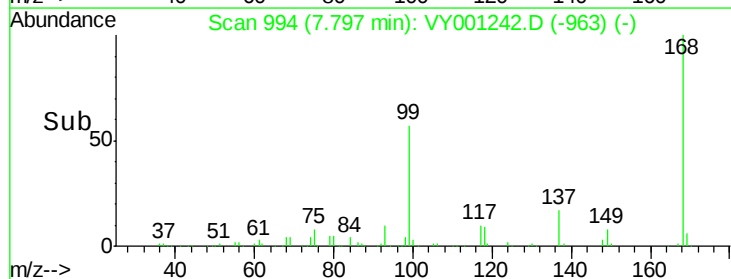
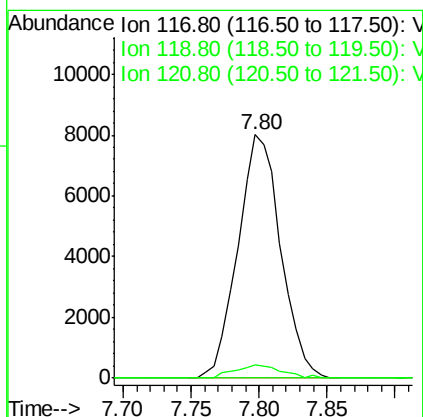
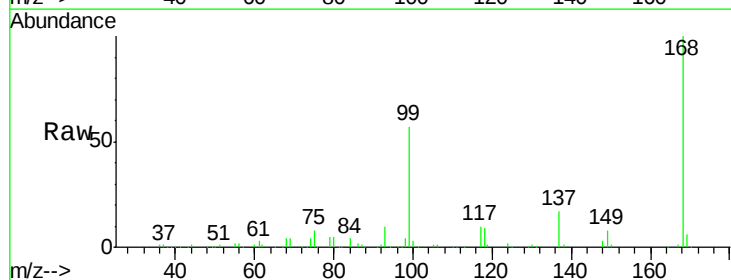
Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_23-25

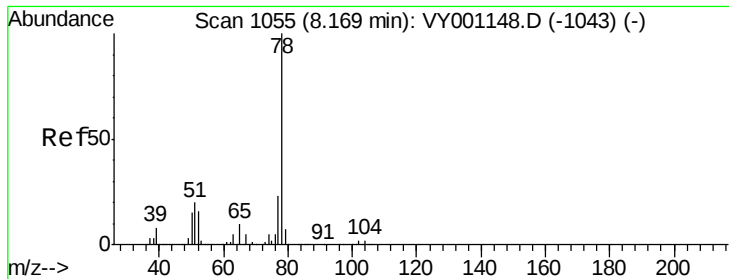
Tgt Ion: 75 Resp: 13749
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.359 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001242.D
 Acq: 16 Jan 2020 01:11

Tgt Ion: 117 Resp: 17615
 Ion Ratio Lower Upper
 117 100
 119 5.5 78.3 117.5#
 121 0.0 23.5 35.3#





#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

Instrument :

MSVOA_Y

ClientSampleId :

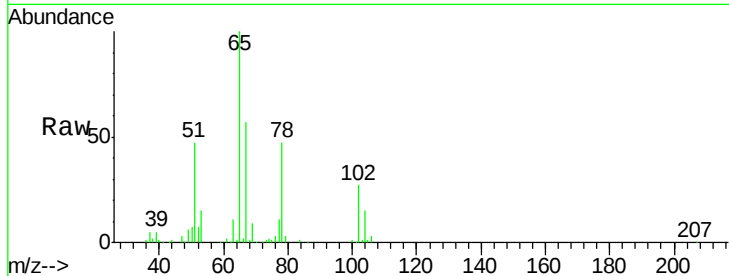
WP022SB457_200113_23-25

Tgt Ion: 78 Resp: 26458

Ion Ratio Lower Upper

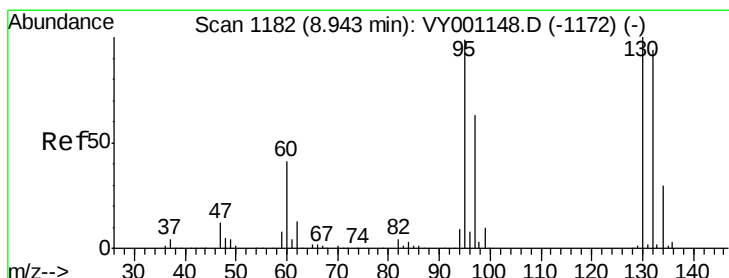
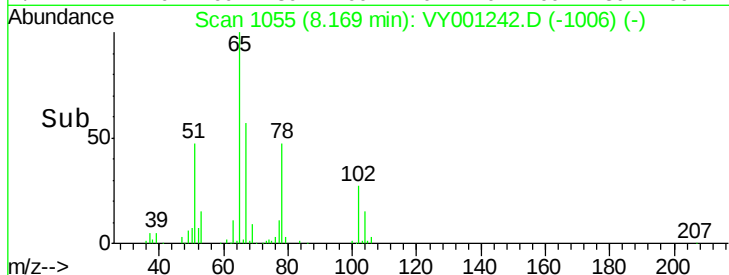
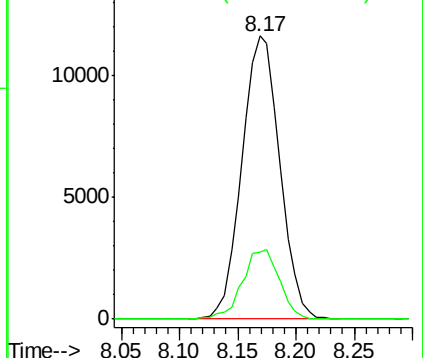
78 100

77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#44

Trichloroethene

Concen: 247.404 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY001242.D

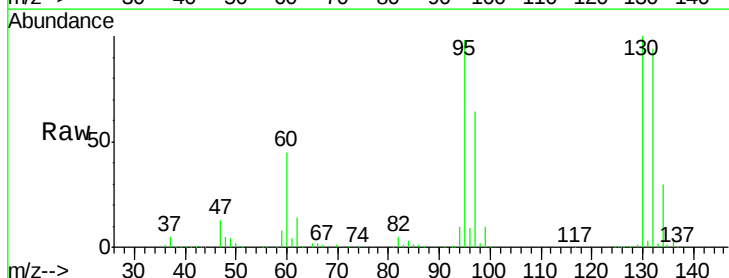
Acq: 16 Jan 2020 01:11

Tgt Ion: 130 Resp: 568831

Ion Ratio Lower Upper

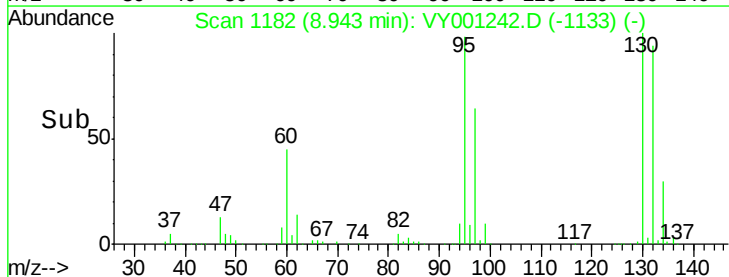
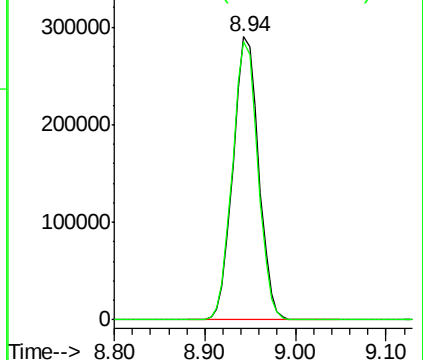
130 100

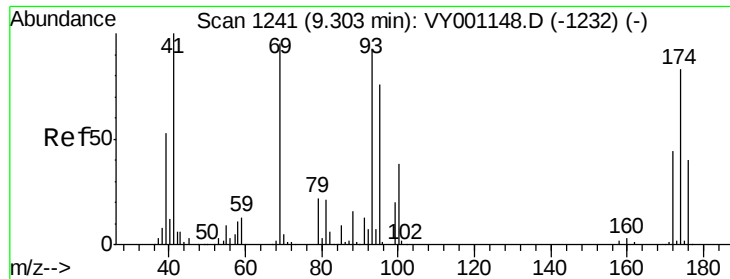
95 98.4 0.0 197.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0





#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

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

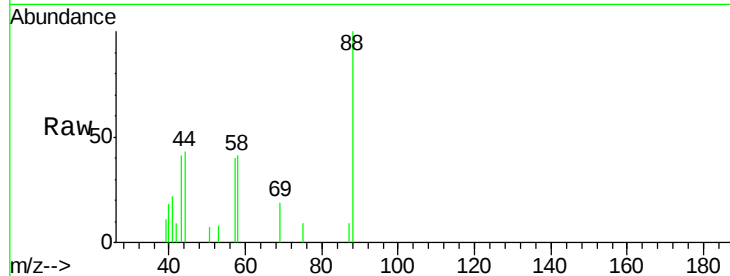
Tgt Ion: 88 Resp: 1484

Ion Ratio Lower Upper

88 100

43 38.3 22.4 33.6#

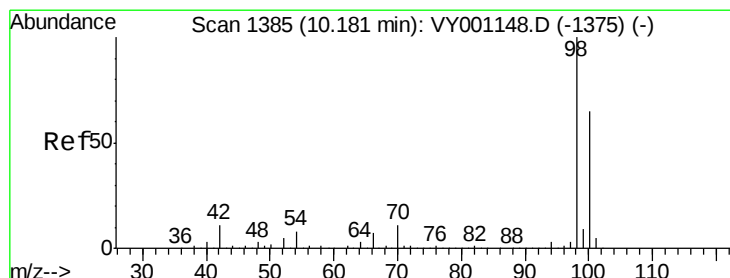
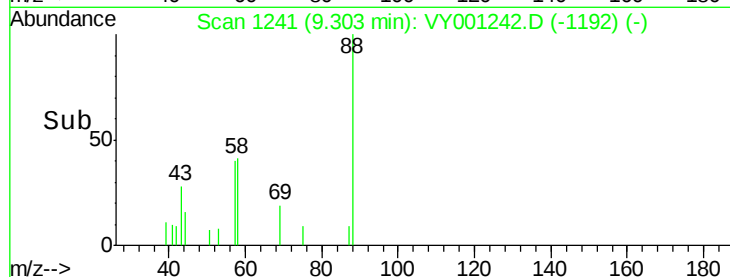
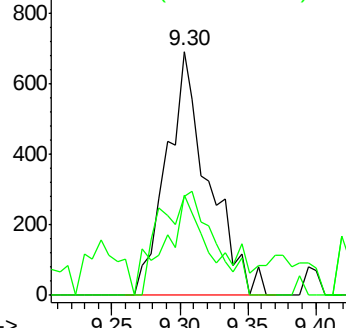
58 54.9 58.0 87.0#



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.678 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001242.D

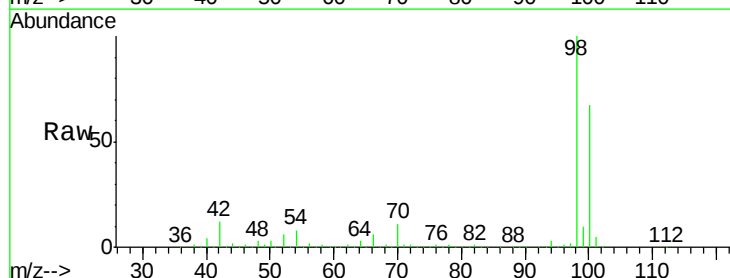
Acq: 16 Jan 2020 01:11

Tgt Ion: 98 Resp: 386654

Ion Ratio Lower Upper

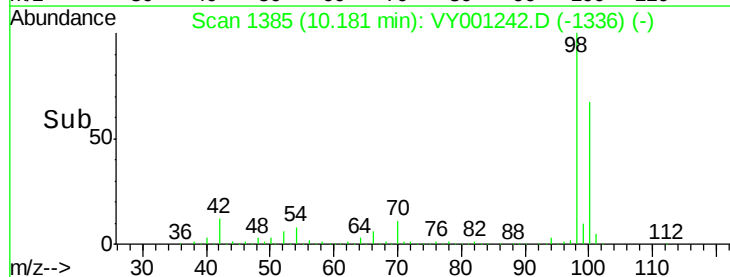
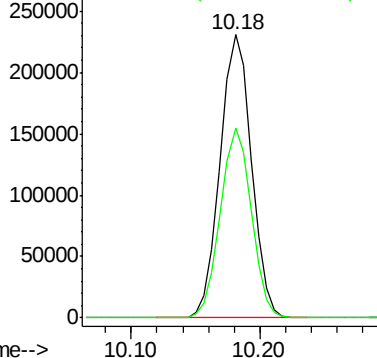
98 100

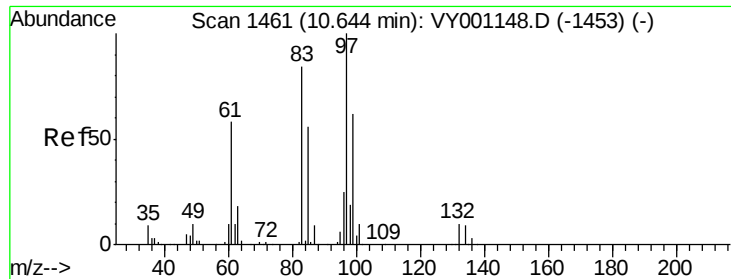
100 66.4 53.1 79.7



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

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_23-25

Tgt Ion: 97 Resp: 3135

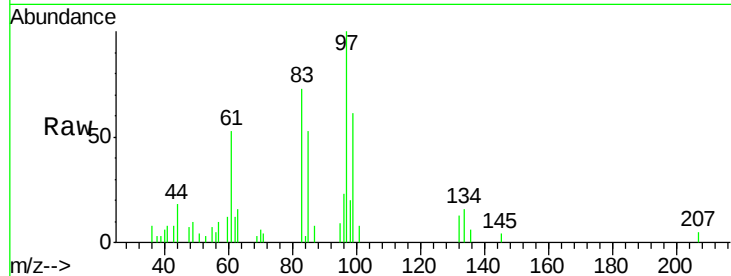
Ion Ratio Lower Upper

97 100

83 73.1 67.2 100.8

85 53.0 44.9 67.3

99 61.2 49.9 74.9

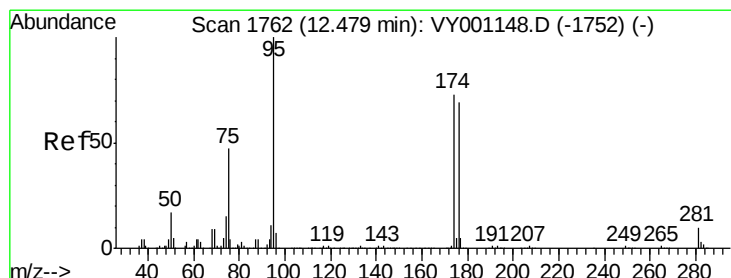
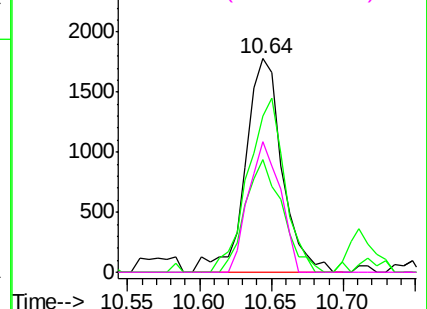
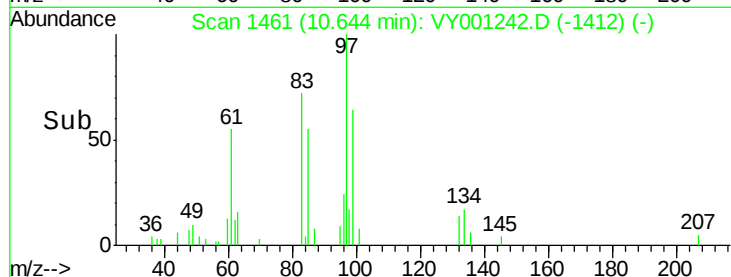


Abundance Ion 96.90 (96.60 to 97.60): VY0

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

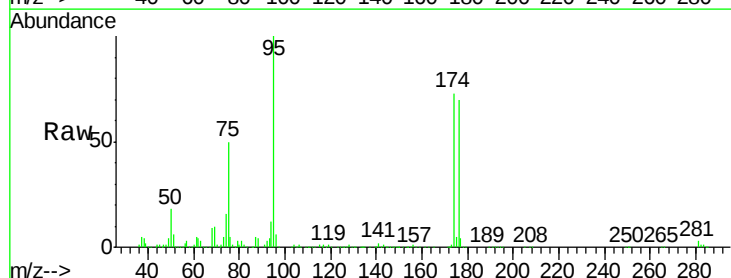
Tgt Ion: 95 Resp: 140195

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): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

