

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001140.D
 Acq On : 02 Jan 2020 17:32
 Operator : SY/MD
 Sample : K6476-03
 Misc : 6.88G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB454_191227-21-23

Quant Time: Jan 02 23:47:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 13:16:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	295715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	513497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	459899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	199186	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	134377	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	7.72	113	146367	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.18	98	585770	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	
62) 4-Bromofluorobenzene	12.48	95	193378	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

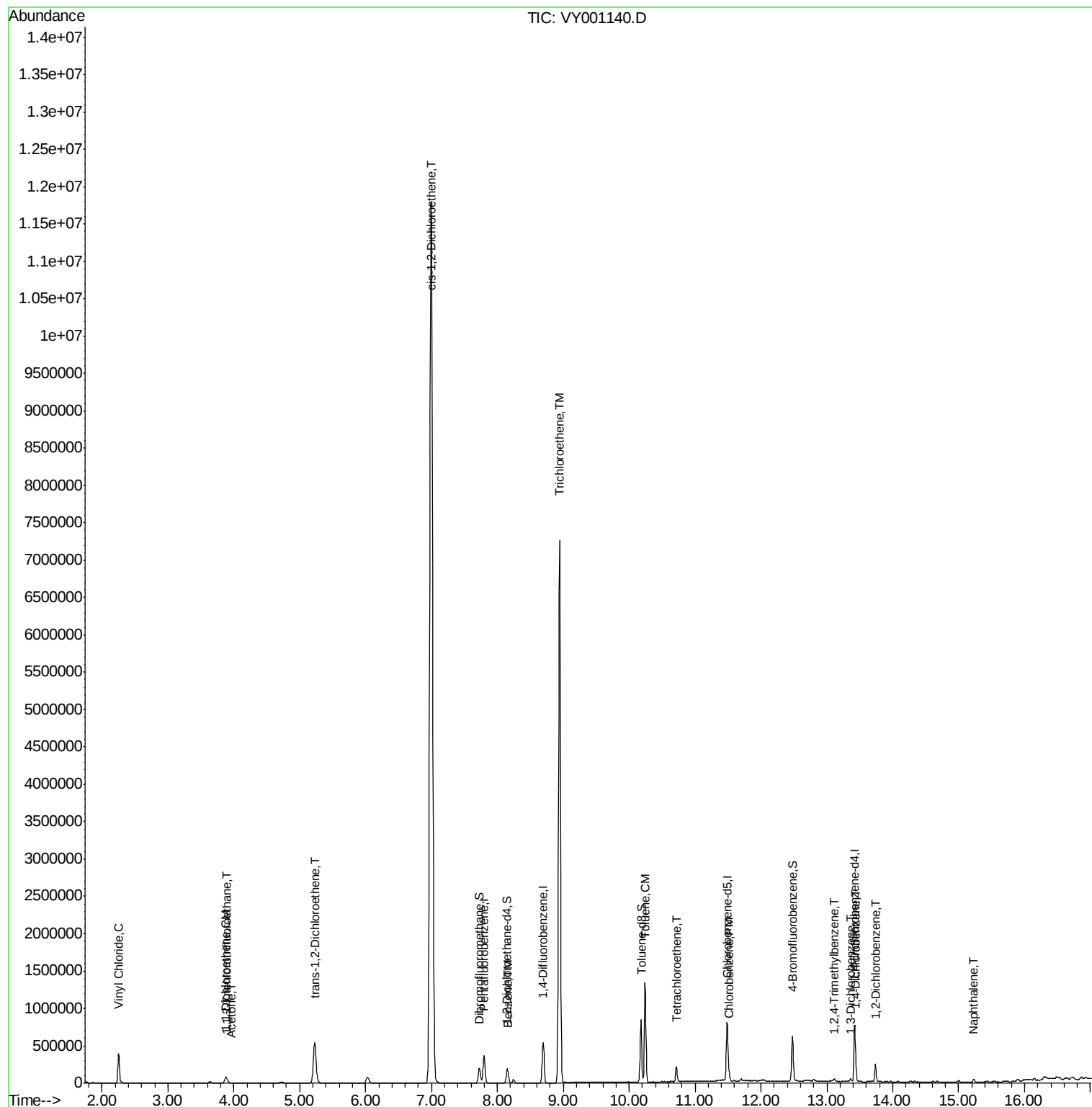
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.25	62	394575	256.758	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	6982	2.685	ug/l	92
12) 1,1-Dichloroethene	3.88	96	55226	20.583	ug/l	99
16) Acetone	3.96	43	3193	27.802	ug/l	100
21) trans-1,2-Dichloroethene	5.23	96	410312	133.184	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	9049166	2500.152	ug/l	94
40) Benzene	8.17	78	26642	1.932	ug/l	97
44) Trichloroethene	8.94	130	2770933	671.448	ug/l	91
52) Toluene	10.24	92	580289	69.081	ug/l	99
64) Tetrachloroethene	10.72	164	46859	10.859	ug/l	92
65) Chlorobenzene	11.52	112	93254	9.534	ug/l	94
84) 1,2,4-Trimethylbenzene	13.11	105	13328	1.048	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	13034	1.918	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	52972	7.741	ug/l	95
91) 1,2-Dichlorobenzene	13.73	146	99208	15.915	ug/l	98
95) Naphthalene	15.23	128	27229	2.779	ug/l #	94

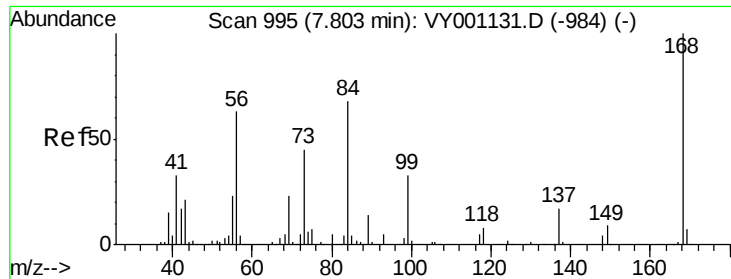
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
Data File : VY001140.D
Acq On : 02 Jan 2020 17:32
Operator : SY/MD
Sample : K6476-03
Misc : 6.88G/5ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-21-23

Quant Time: Jan 02 23:47:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 02 13:16:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

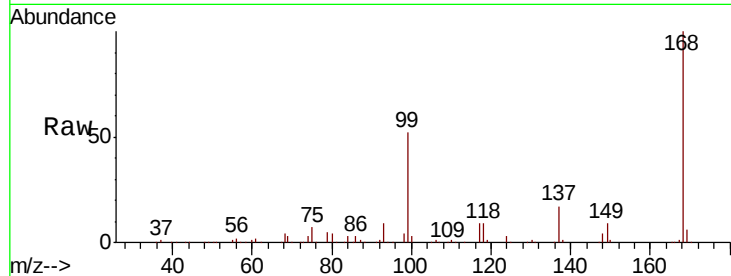
WP022SB454_191227-21-23

Tot Ion:168 Resp: 295715

Ion Ratio Lower Upper

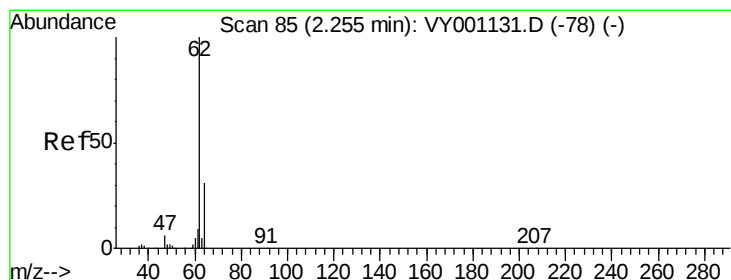
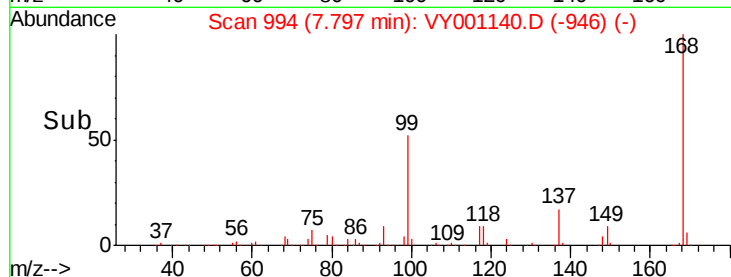
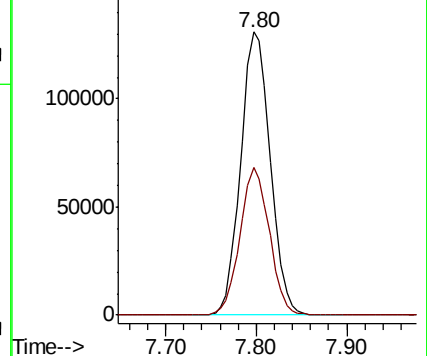
168 100

99 52.2 42.5 63.7



Abundance Ion 167.90 (167.60 to 168.60): VY001131.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY001131.D (-984) (-)



#4

Vinyl Chloride

Concen: 256.758 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY001140.D

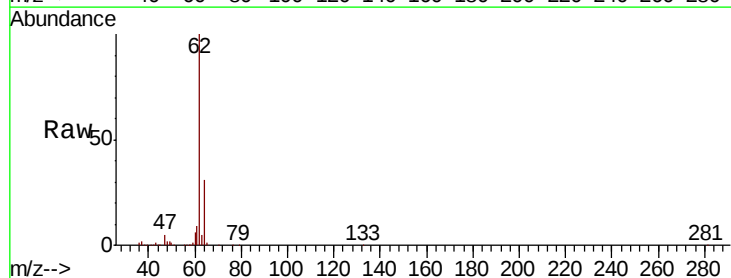
Acq: 02 Jan 2020 17:32

Tgt Ion: 62 Resp: 394575

Ion Ratio Lower Upper

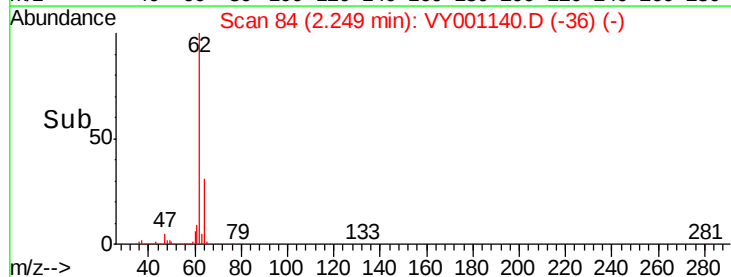
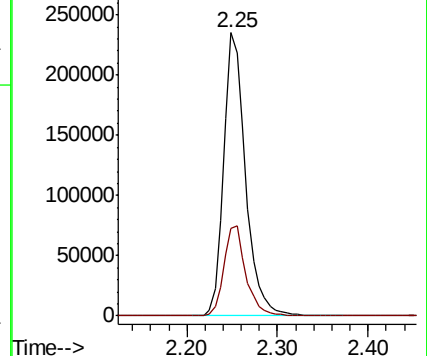
62 100

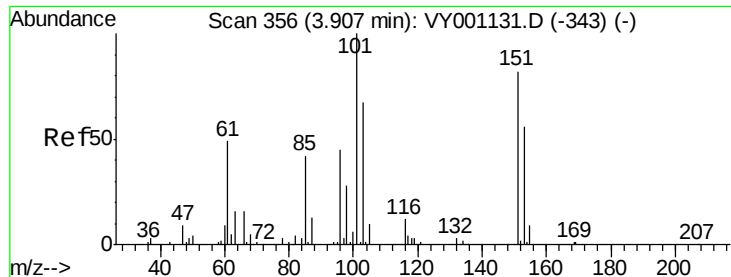
64 30.9 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY001131.D (-78) (-)

Ion 63.90 (63.60 to 64.60): VY001131.D (-78) (-)





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.685 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB454_191227-21-23

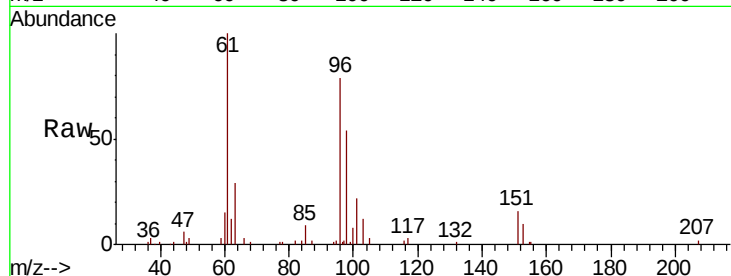
Tot Ion:101 Resp: 6982

Ion Ratio Lower Upper

101 100

85 39.2 32.8 49.2

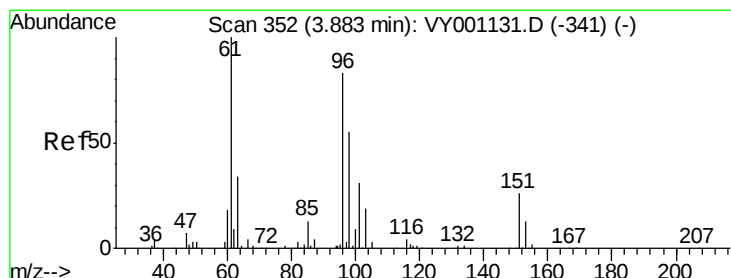
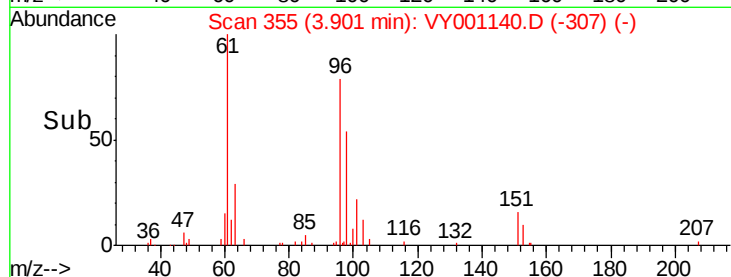
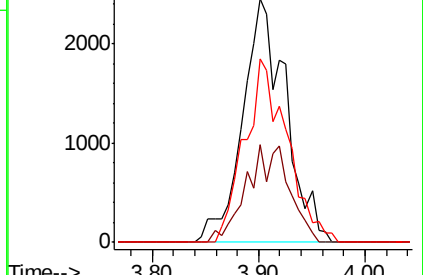
151 74.0 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): VY001131.D (-343) (-)

Ion 84.90 (84.60 to 85.60): VY001131.D (-343) (-)

Ion 150.80 (150.50 to 151.50): VY001131.D (-343) (-)



#12

1,1-Dichloroethene

Concen: 20.583 ug/l

RT: 3.88 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

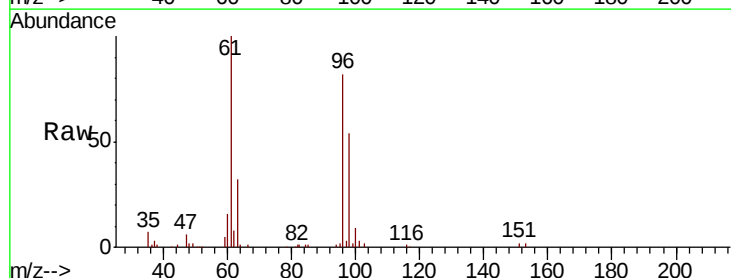
Tgt Ion: 96 Resp: 55226

Ion Ratio Lower Upper

96 100

61 121.6 96.2 144.4

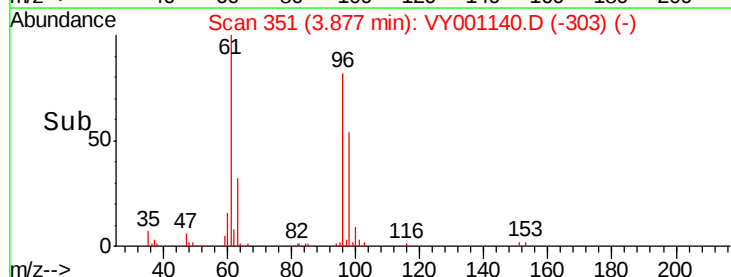
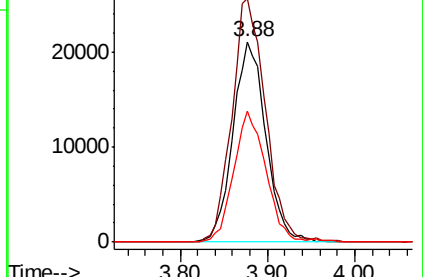
98 65.6 52.8 79.2

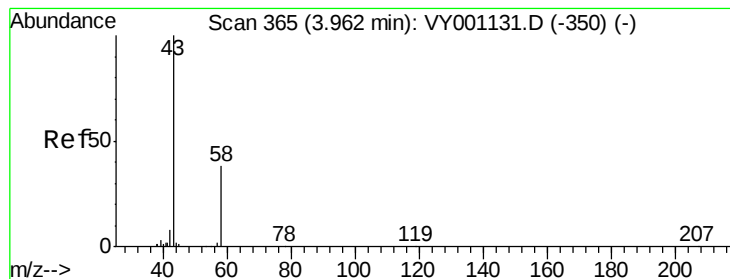


Abundance Ion 95.90 (95.60 to 96.60): VY001131.D (-341) (-)

Ion 60.90 (60.60 to 61.60): VY001131.D (-341) (-)

Ion 97.90 (97.60 to 98.60): VY001131.D (-341) (-)





#16

Acetone

Concen: 27.802 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

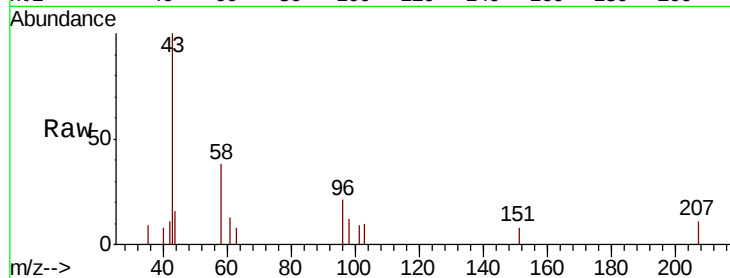
WP022SB454_191227-21-23

Tot Ion: 43 Resp: 3193

Ion Ratio Lower Upper

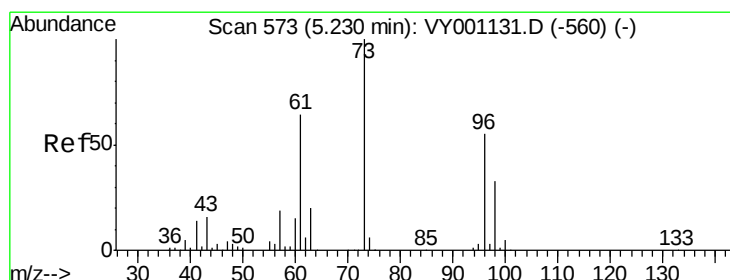
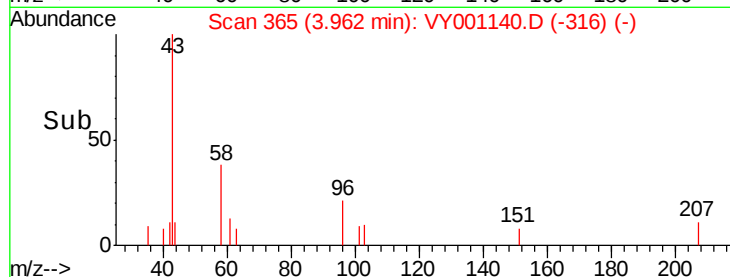
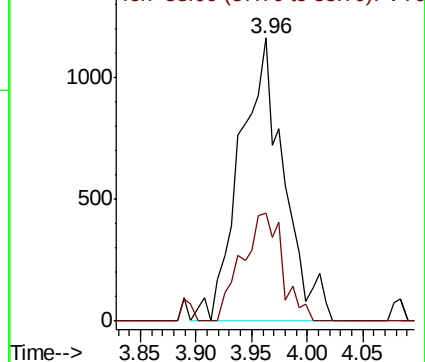
43 100

58 38.1 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#21

trans-1,2-Dichloroethene

Concen: 133.184 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

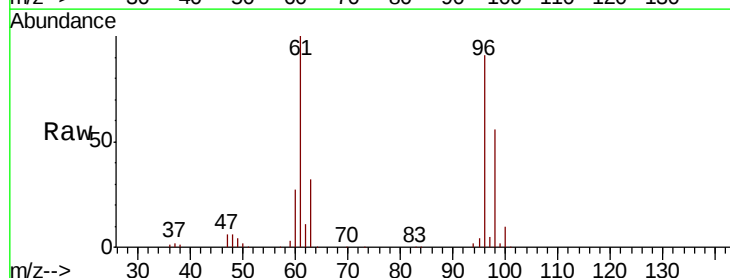
Tgt Ion: 96 Resp: 410312

Ion Ratio Lower Upper

96 100

61 109.8 93.2 139.8

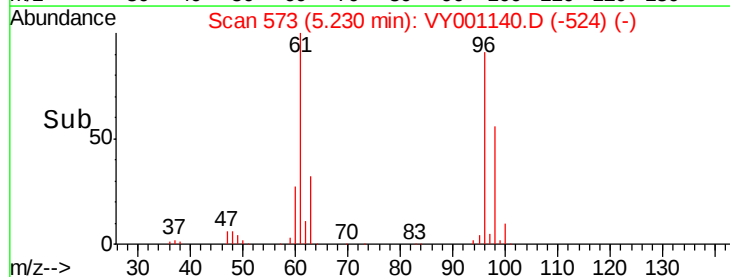
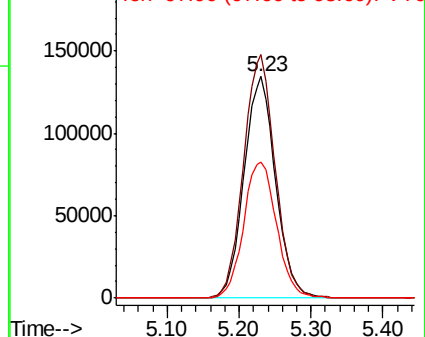
98 61.6 48.8 73.2

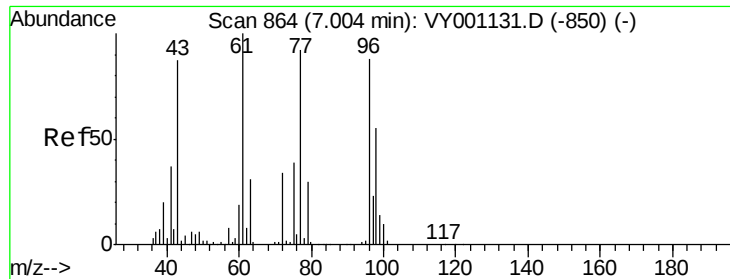


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



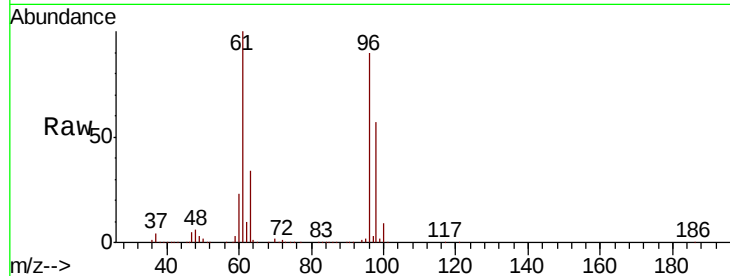


#27

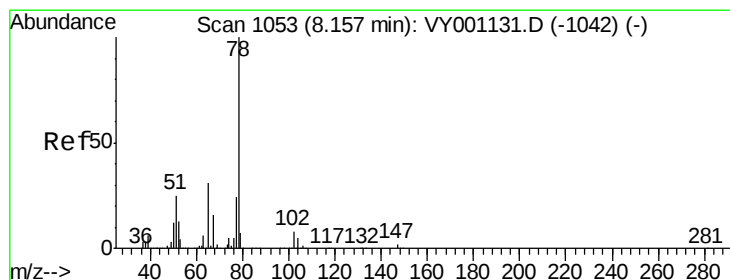
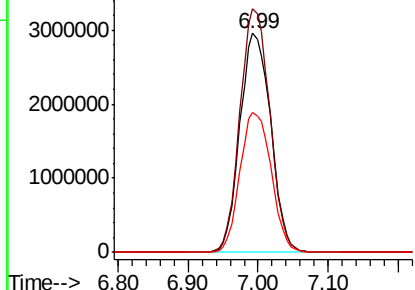
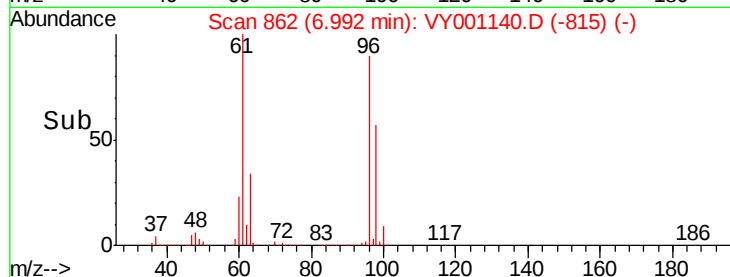
cis-1,2-Dichloroethene
 Concen: 2500.152 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY001140.D
 Acq: 02 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB454_191227-21-23

Tot Ion: 96 Resp: 9049166
 Ion Ratio Lower Upper
 96 100
 61 107.9 0.0 235.0
 98 64.9 0.0 127.4



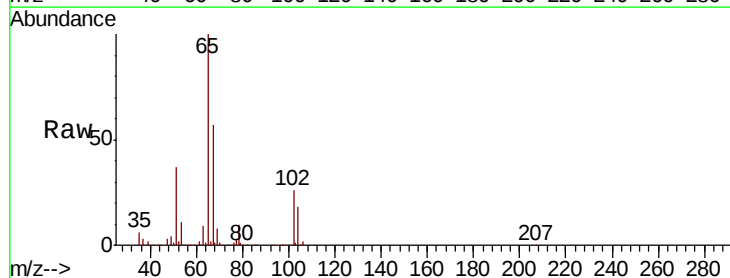
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



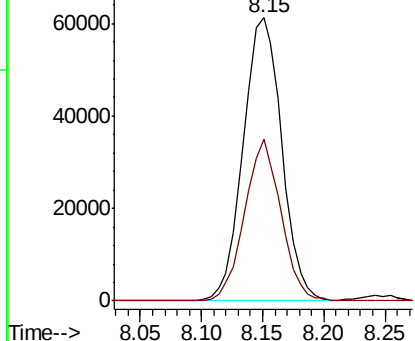
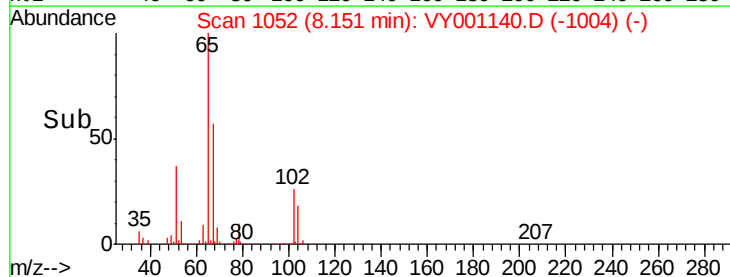
#33

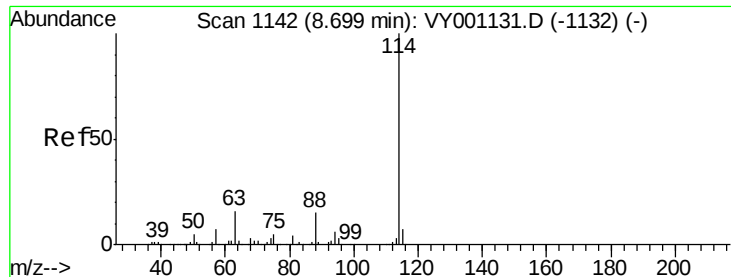
1,2-Dichloroethane-d4
 Concen: 54.579 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY001140.D
 Acq: 02 Jan 2020 17:32

Tgt Ion: 65 Resp: 134377
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.6



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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB454_191227-21-23

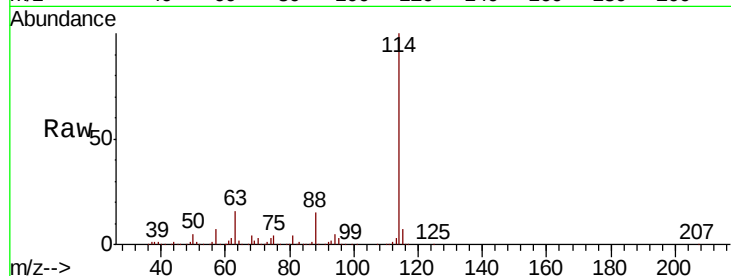
Tot Ion:114 Resp: 513497

Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.0

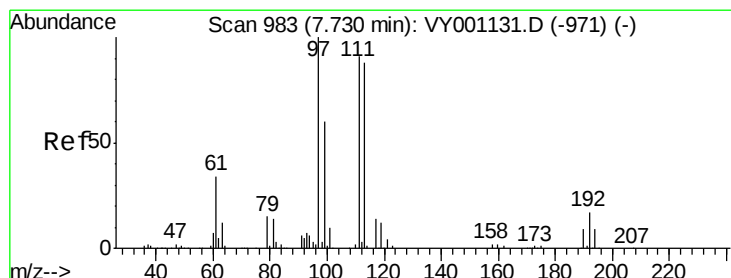
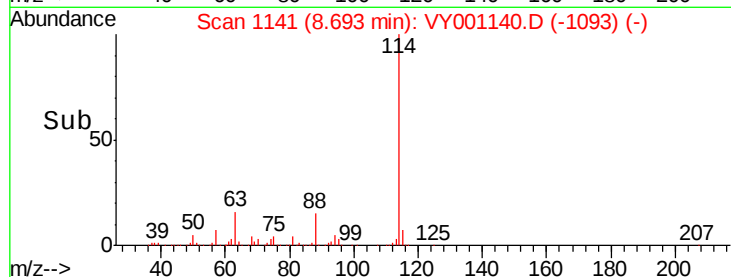
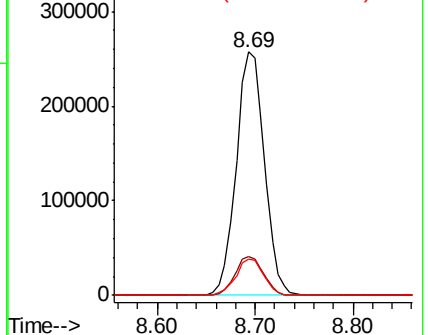
88 14.9 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 50.126 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

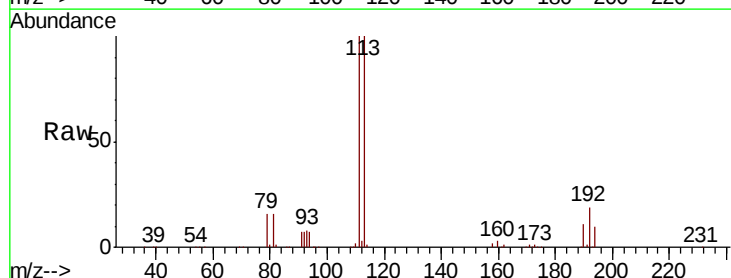
Tgt Ion:113 Resp: 146367

Ion Ratio Lower Upper

113 100

111 101.5 81.0 121.4

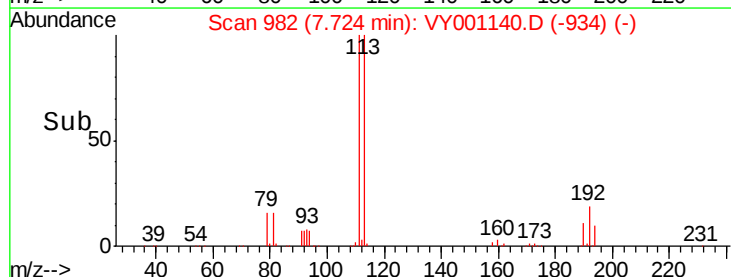
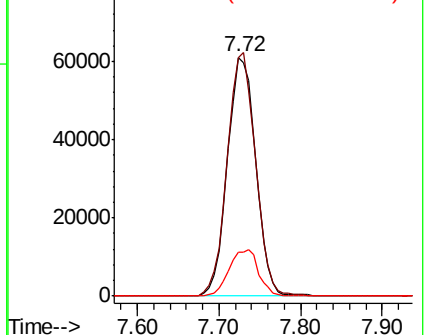
192 20.0 16.4 24.6

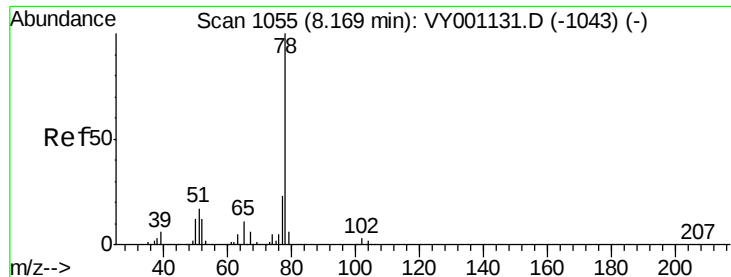


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.932 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

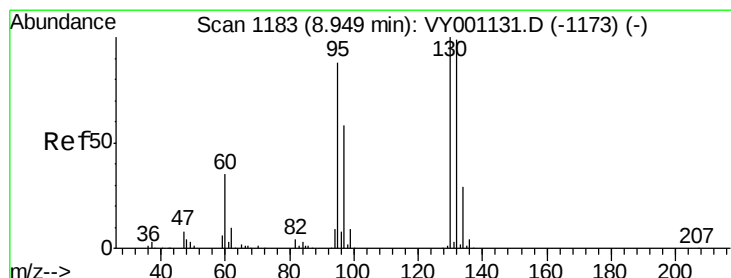
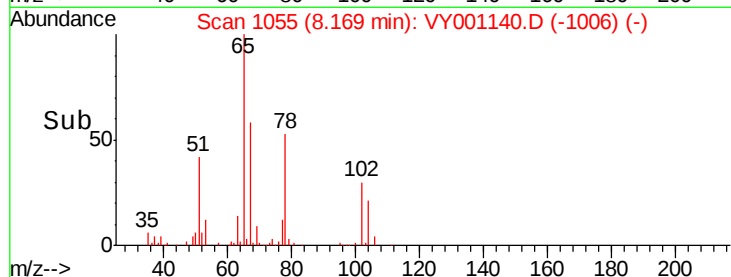
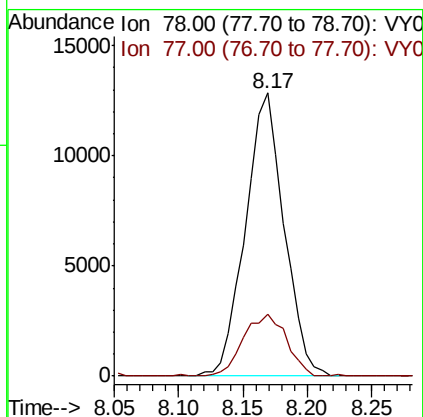
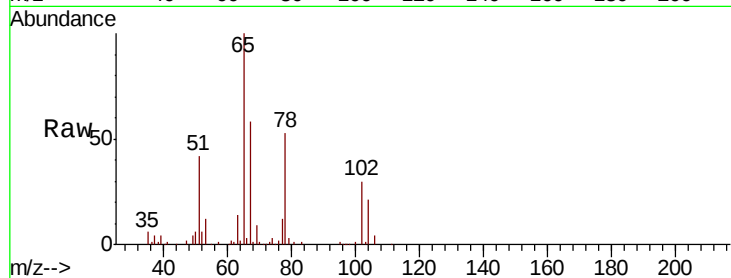
WP022SB454_191227-21-23

Tot Ion: 78 Resp: 26642

Ion Ratio Lower Upper

78 100

77 22.1 18.8 28.2



#44

Trichloroethene

Concen: 671.448 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY001140.D

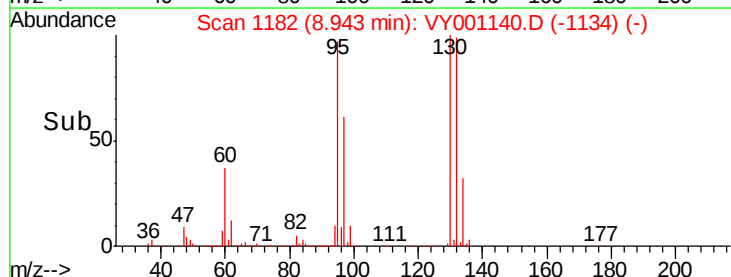
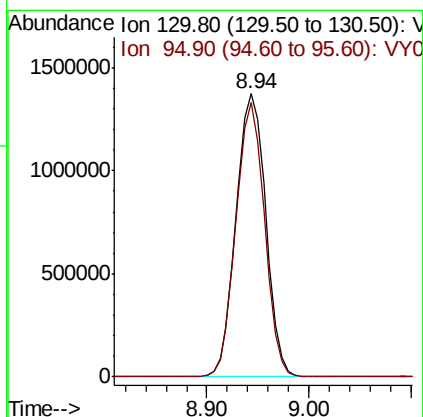
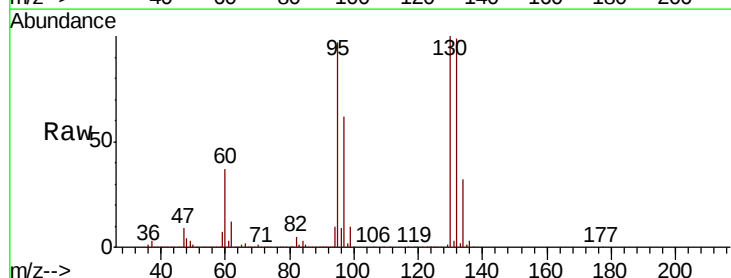
Acq: 02 Jan 2020 17:32

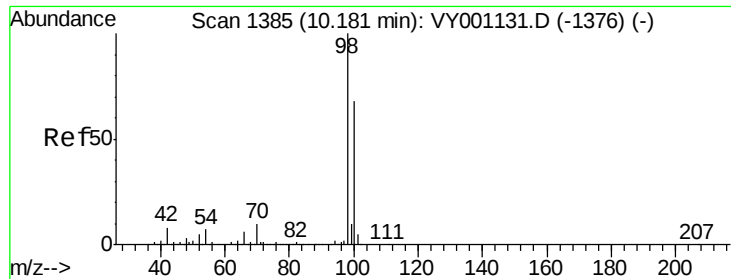
Tgt Ion:130 Resp: 2770933

Ion Ratio Lower Upper

130 100

95 96.7 0.0 176.8





#50

Toluene-d8

Concen: 54.870 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

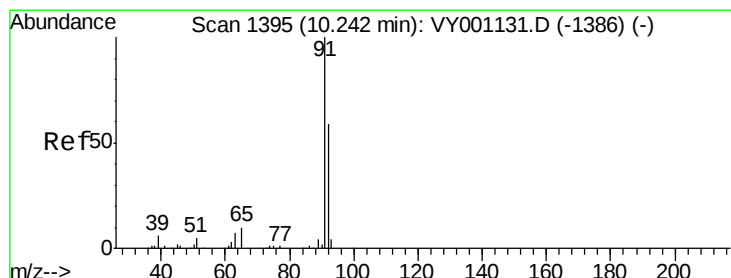
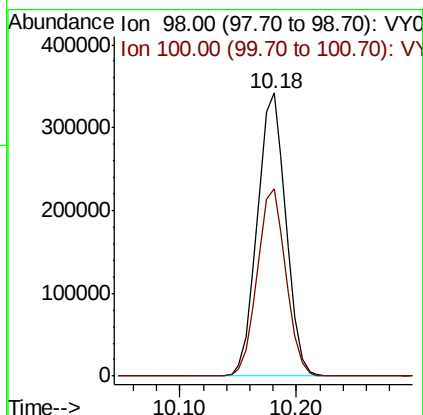
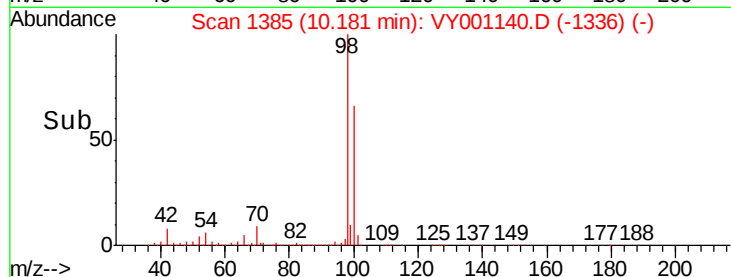
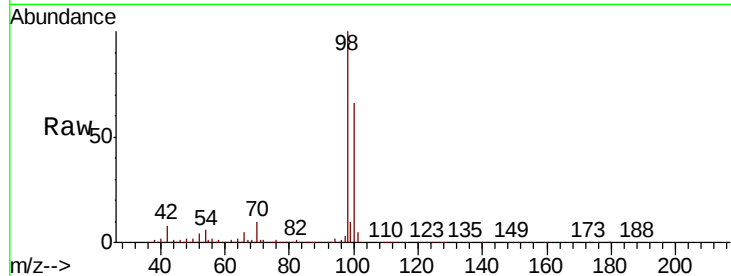
WP022SB454_191227-21-23

Tot Ion: 98 Resp: 585770

Ion Ratio Lower Upper

98 100

100 66.3 53.2 79.8



#52

Toluene

Concen: 69.081 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001140.D

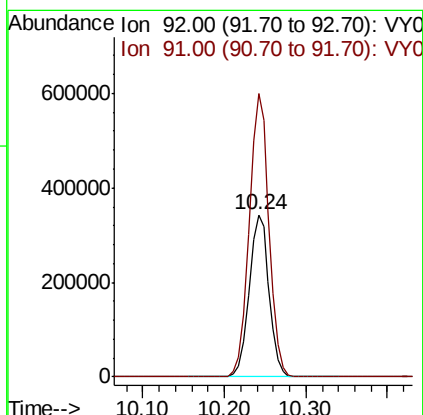
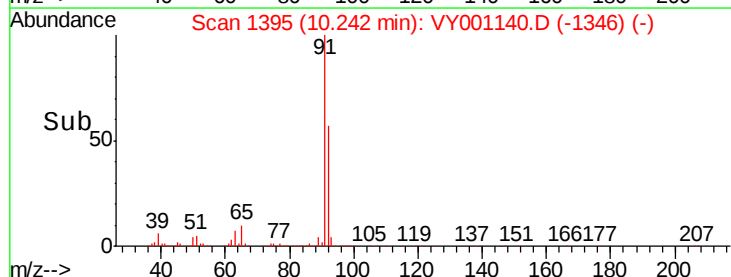
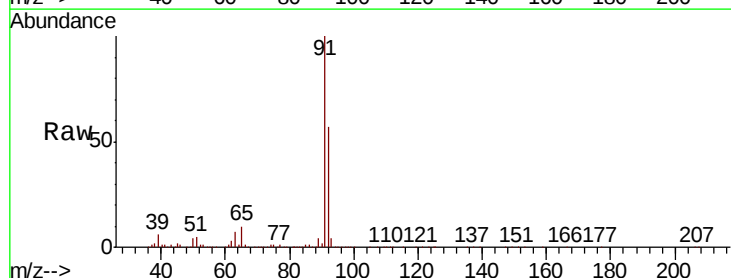
Acq: 02 Jan 2020 17:32

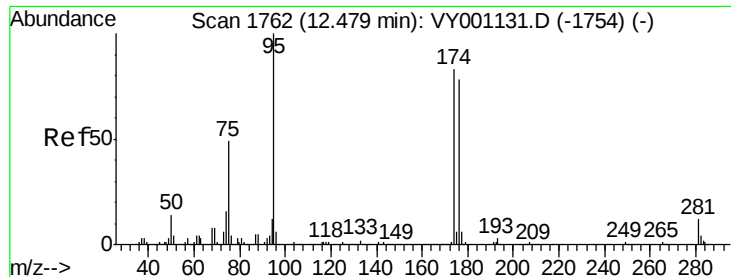
Tgt Ion: 92 Resp: 580289

Ion Ratio Lower Upper

92 100

91 173.3 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 47.630 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB454_191227-21-23

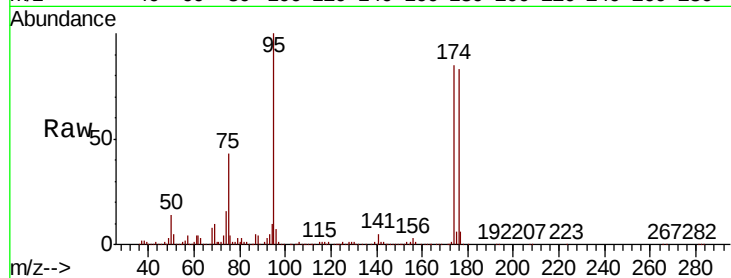
Tot Ion: 95 Resp: 193378

Ion Ratio Lower Upper

95 100

174 85.7 0.0 171.8

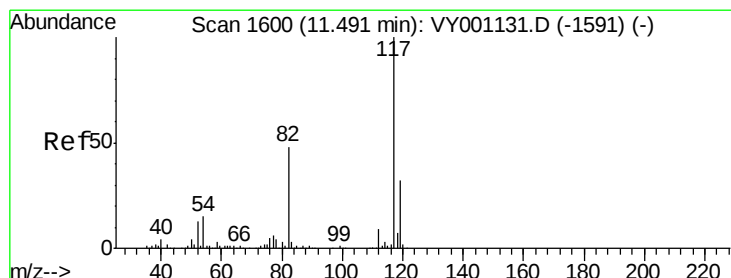
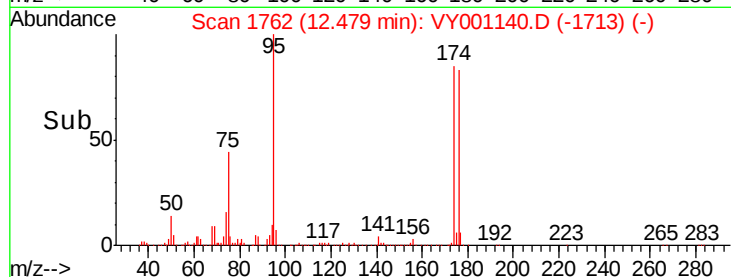
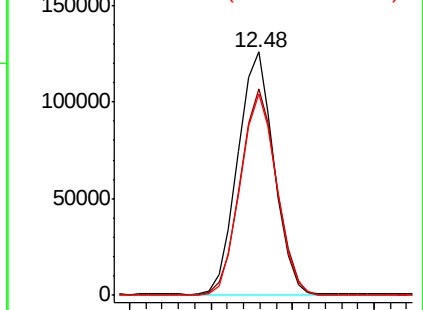
176 83.8 0.0 163.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

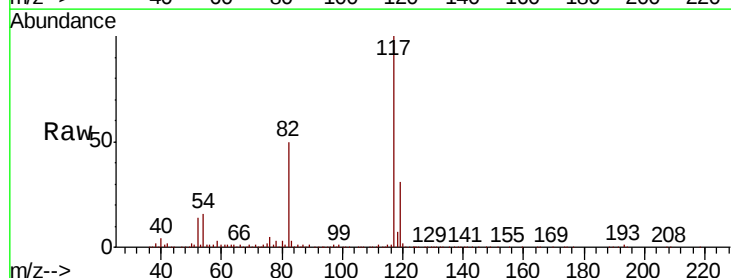
Tgt Ion: 117 Resp: 459899

Ion Ratio Lower Upper

117 100

82 50.2 38.5 57.7

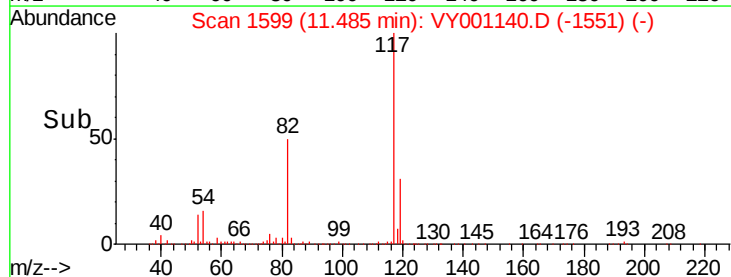
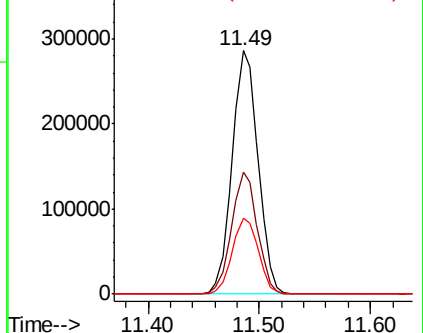
119 30.9 25.9 38.9

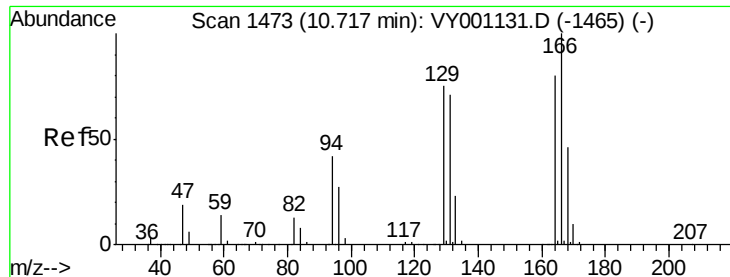


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V

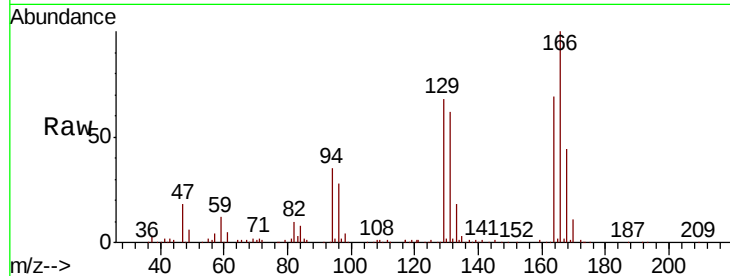




#64
Tetrachloroethene
Concen: 10.859 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001140.D
Acq: 02 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB454_191227-21-23

Tot Ion	Ratio	Lower	Upper
164	100		
166	144.2	100.6	151.0
129	97.9	75.0	112.4
131	89.9	71.7	107.5



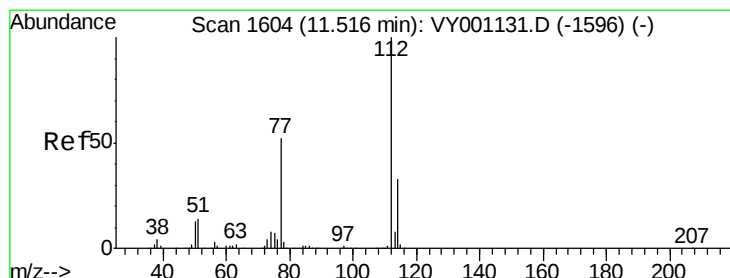
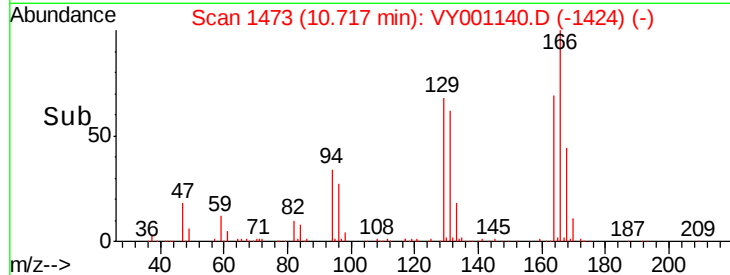
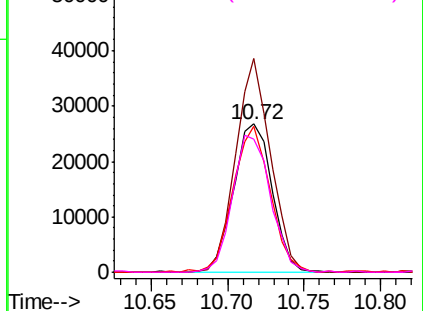
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

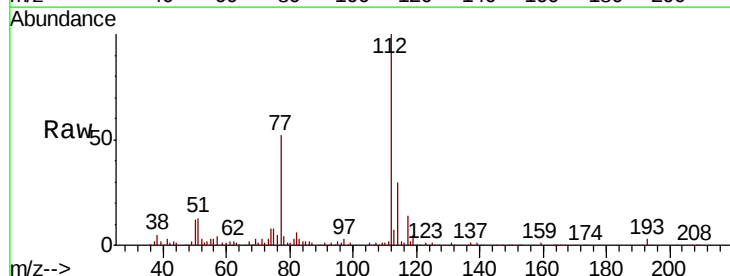
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 9.534 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001140.D
Acq: 02 Jan 2020 17:32

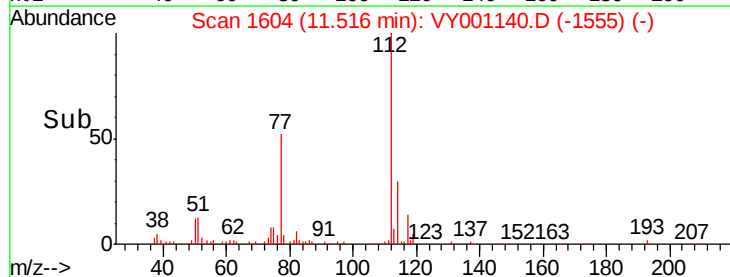
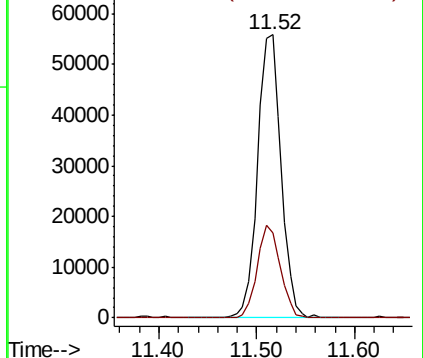
Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.8	26.5	39.7

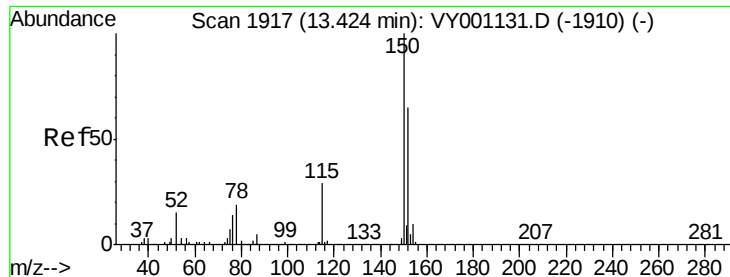


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB454_191227-21-23

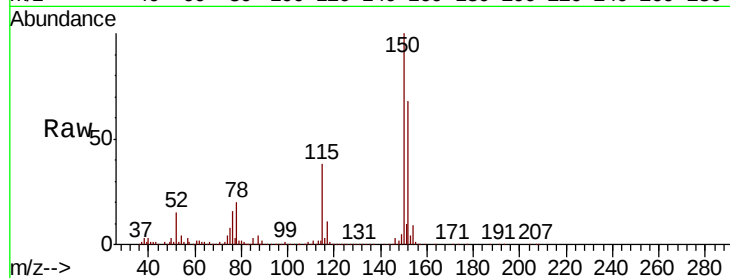
Tot Ion:152 Resp: 199186

Ion Ratio Lower Upper

152 100

115 57.4 27.7 83.0

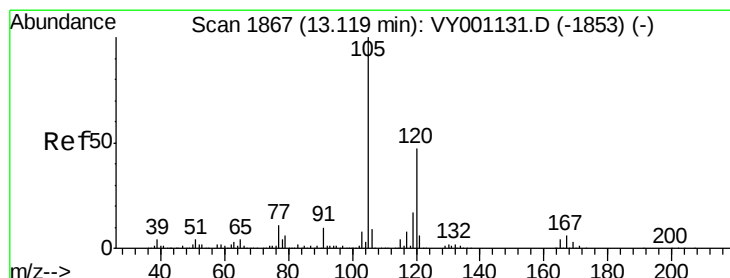
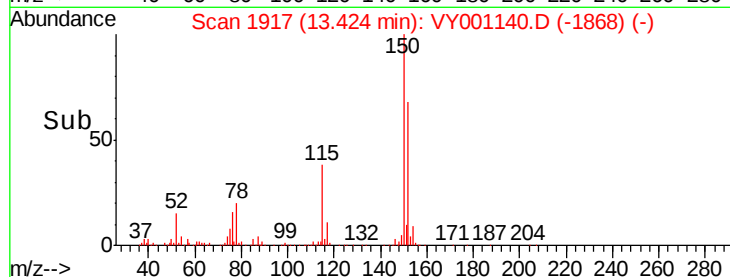
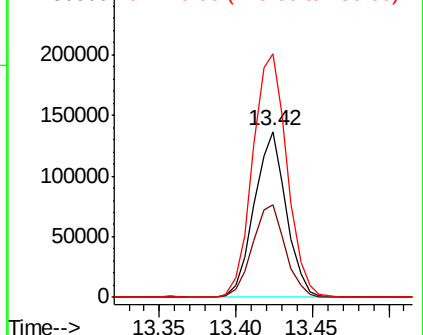
150 157.6 0.0 342.6



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



#84

1,2,4-Trimethylbenzene

Concen: 1.048 ug/l

RT: 13.11 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VY001140.D

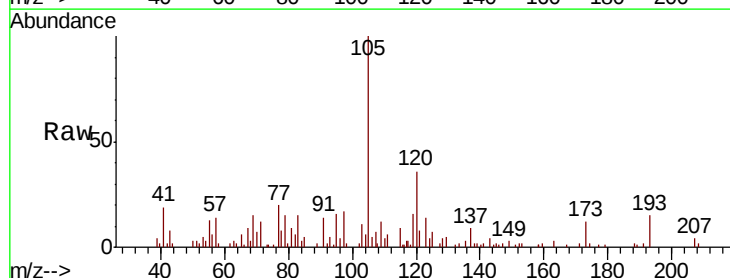
Acq: 02 Jan 2020 17:32

Tgt Ion:105 Resp: 13328

Ion Ratio Lower Upper

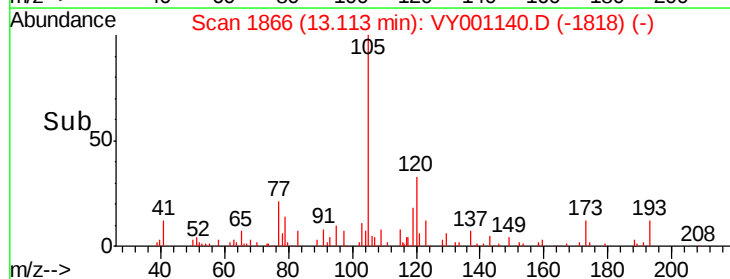
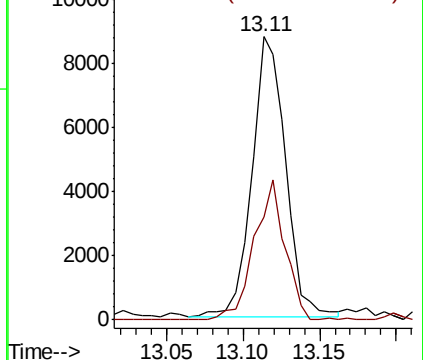
105 100

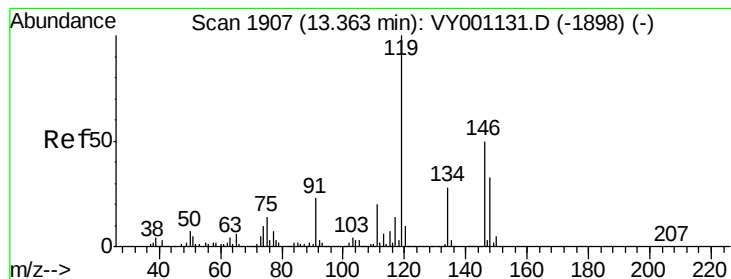
120 46.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#87

1,3-Dichlorobenzene

Concen: 1.918 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB454_191227-21-23

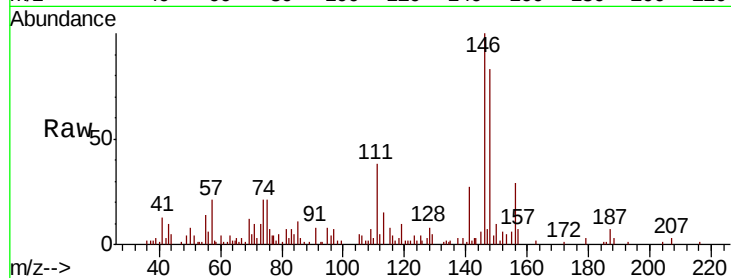
Tot Ion:146 Resp: 13034

Ion Ratio Lower Upper

146 100

111 42.0 19.5 58.5

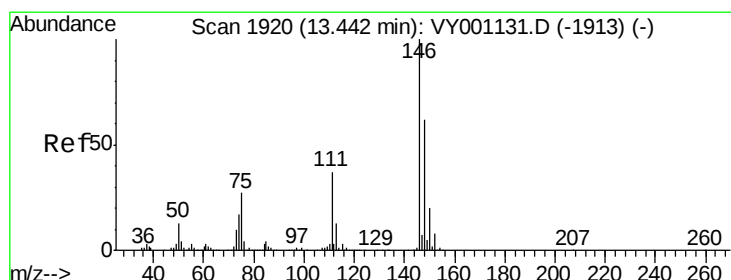
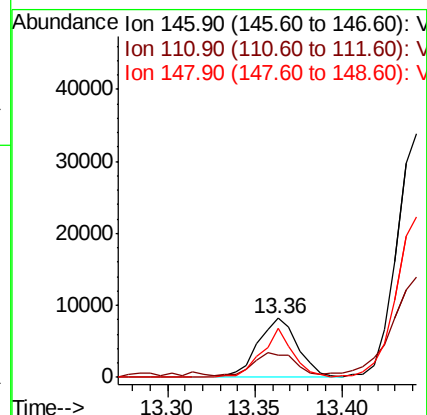
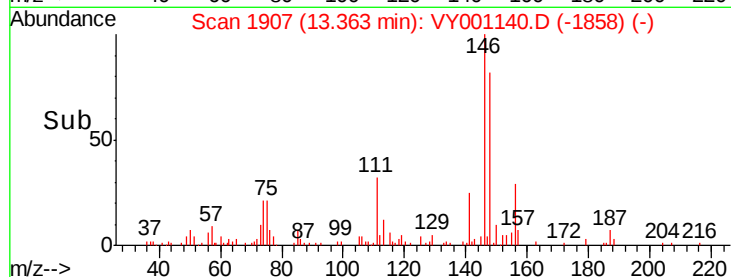
148 65.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 7.741 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY001140.D

Acq: 02 Jan 2020 17:32

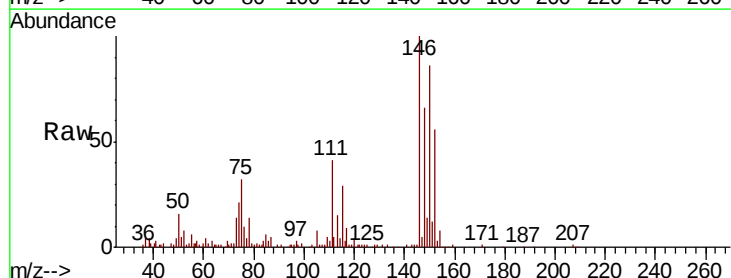
Tgt Ion:146 Resp: 52972

Ion Ratio Lower Upper

146 100

111 43.2 19.1 57.3

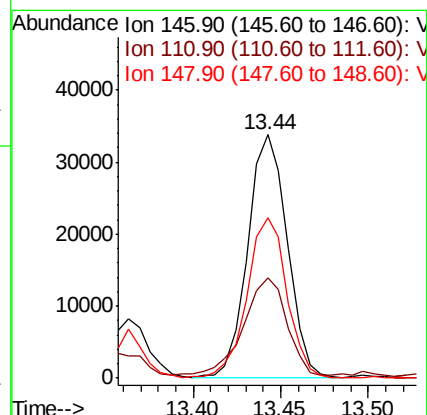
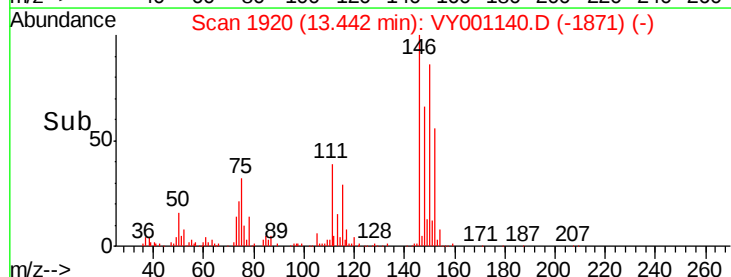
148 66.7 32.0 96.0

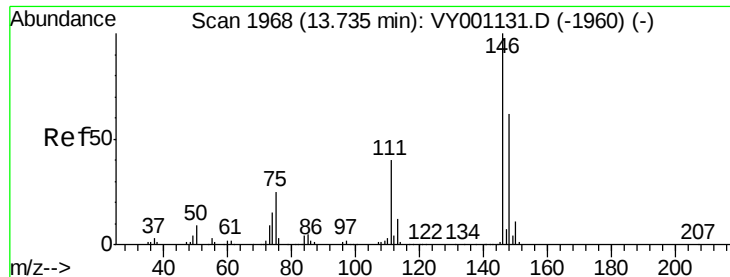


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

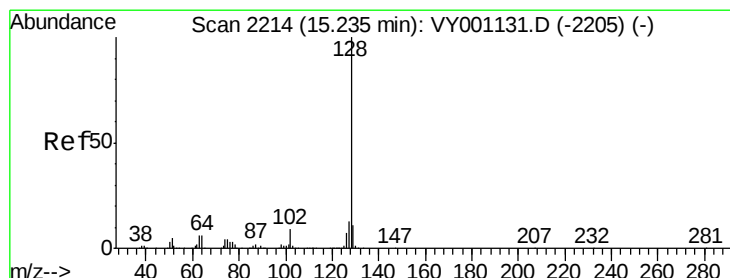
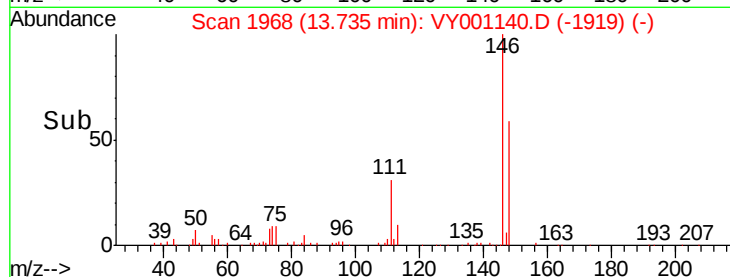
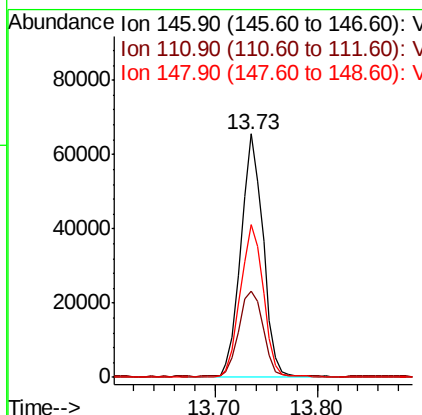
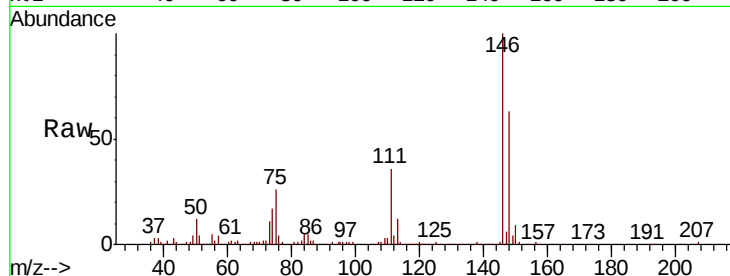




#91
 1,2-Dichlorobenzene
 Concen: 15.915 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001140.D
 Acq: 02 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB454_191227-21-23

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.1	60.3
148	64.8	31.9	95.5



#95
 Naphthalene
 Concen: 2.779 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY001140.D
 Acq: 02 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.1	15.1#
129	12.7	8.7	13.1

