

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003309.D
 Acq On : 23 Jul 2020 11:56
 Operator : SY/MD
 Sample : VY0723SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0723SBL01

Quant Time: Jul 24 04:33:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	404533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	635638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	584390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	282256	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	204509	59.90	ug/l	0.00
Spiked Amount			Recovery	=	119.80%	
35) Dibromofluoromethane	7.72	113	198281	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
50) Toluene-d8	10.18	98	762799	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
62) 4-Bromofluorobenzene	12.48	95	248038	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

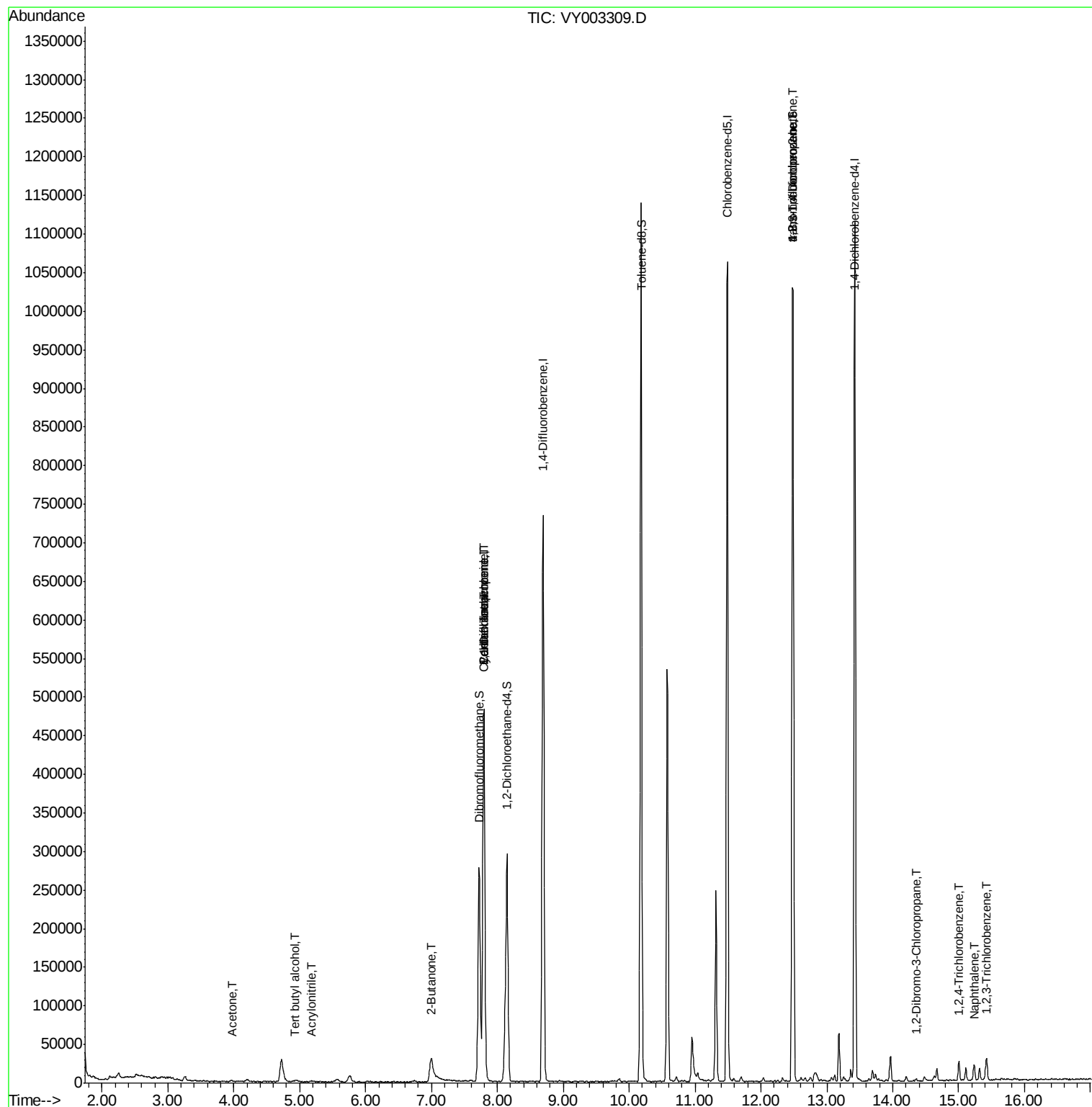
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.93	59	1510	4.090	ug/l #	72
15) Acrylonitrile	5.19	53	1035	1.091	ug/l #	68
16) Acetone	3.97	43	2110	2.767	ug/l #	67
25) 2-Butanone	7.01	43	2843	2.270	ug/l #	76
31) Cyclohexane	7.78	56	7283	1.173	ug/l #	12
36) 1,1-Dichloropropene	7.80	75	27877	4.839	ug/l #	41
38) Carbon Tetrachloride	7.79	117	35832	6.025	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	129108	51.675	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	129108	100.570	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.34	75	772	1.371	ug/l	80
93) 1,2,4-Trichlorobenzene	15.01	180	7443	1.375	ug/l	98
95) Naphthalene	15.23	128	16227	1.814	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.42	180	9732	2.274	ug/l	95

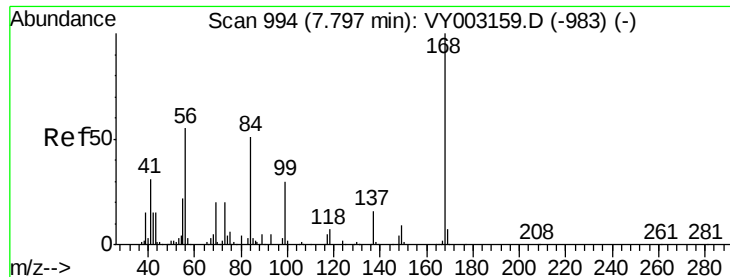
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003309.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

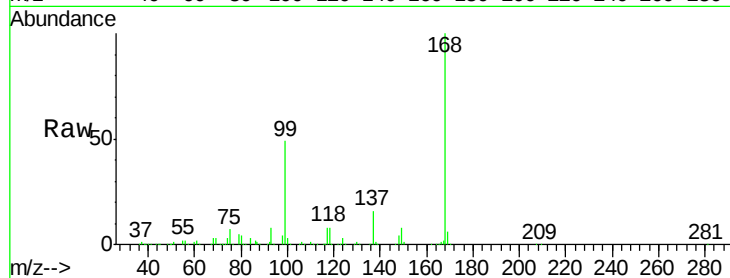
VY0723SBL01

Tot Ion:168 Resp: 404533

Ion Ratio Lower Upper

168 100

99 49.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003309.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003309.D (-945) (-)

7.80

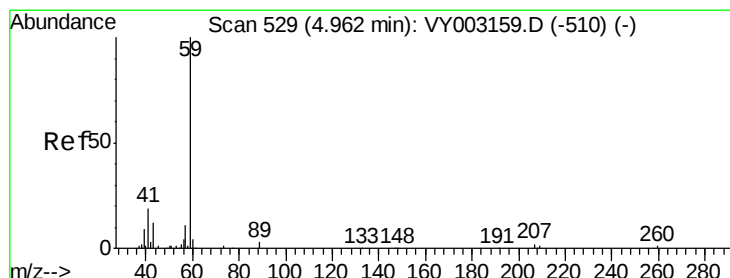
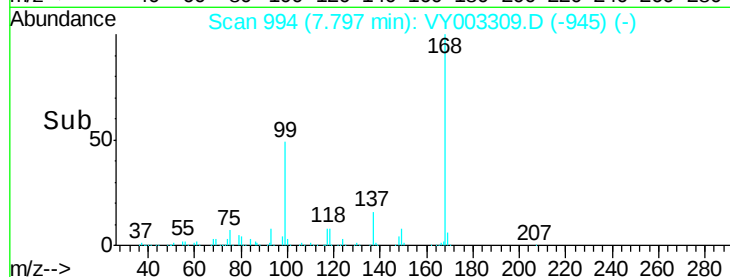
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.090 ug/l

RT: 4.93 min Scan# 523

Delta R.T. -0.04 min

Lab File: VY003309.D

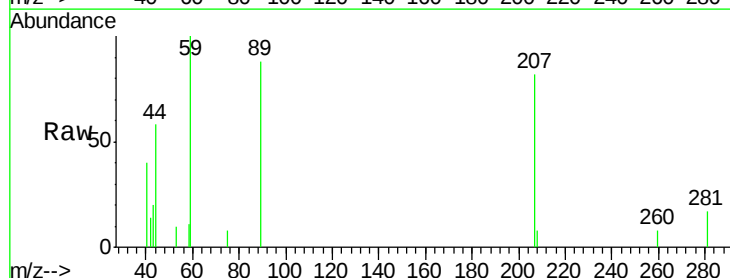
Acq: 23 Jul 2020 11:56

Tgt Ion: 59 Resp: 1510

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003309.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003309.D (-480) (-)

4.93

800

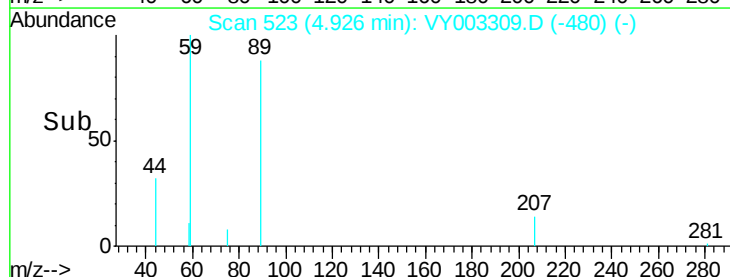
600

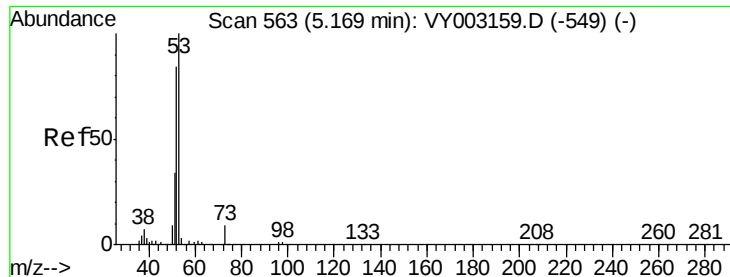
400

200

0

Time-->





#15

Acrylonitrile

Concen: 1.091 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.02 min

Lab File: VY003309.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0723SBL01

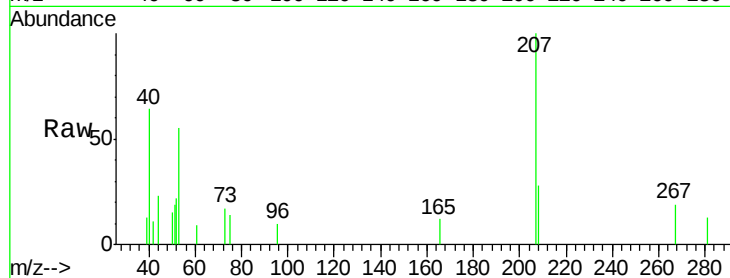
Tot Ion: 53 Resp: 1035

Ion Ratio Lower Upper

53 100

52 41.8 65.8 98.6#

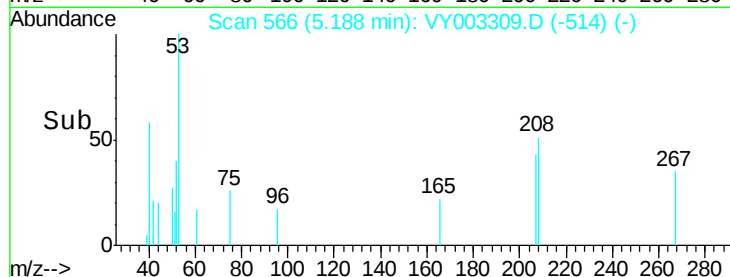
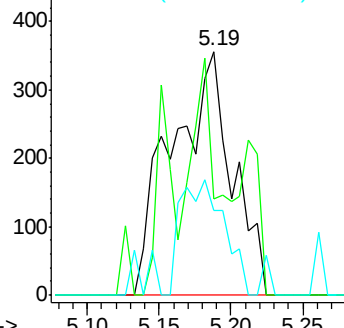
51 34.3 29.0 43.4



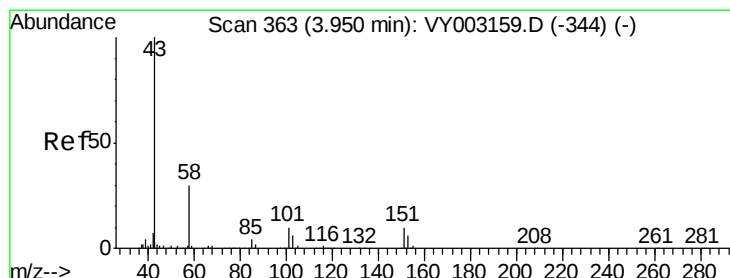
Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



Time-->



#16

Acetone

Concen: 2.767 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY003309.D

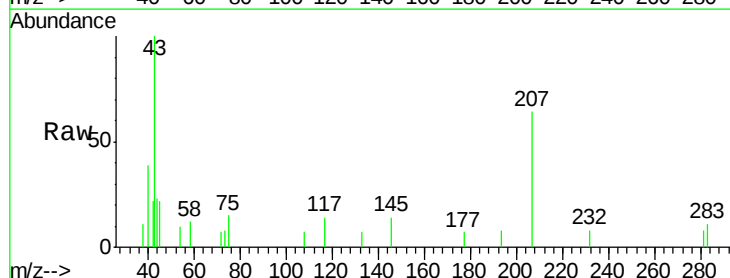
Acq: 23 Jul 2020 11:56

Tgt Ion: 43 Resp: 2110

Ion Ratio Lower Upper

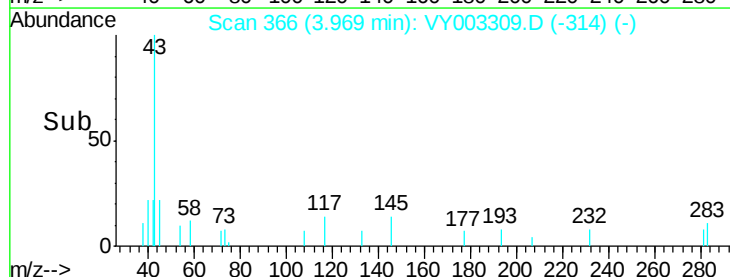
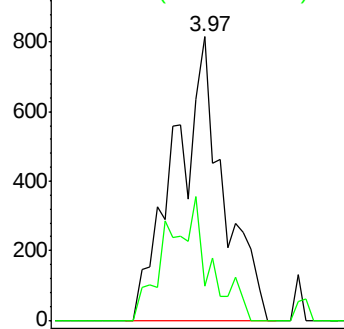
43 100

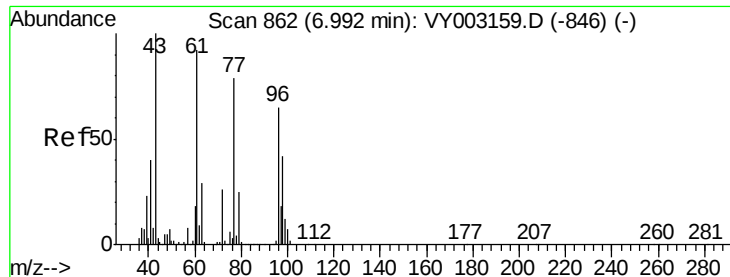
58 12.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

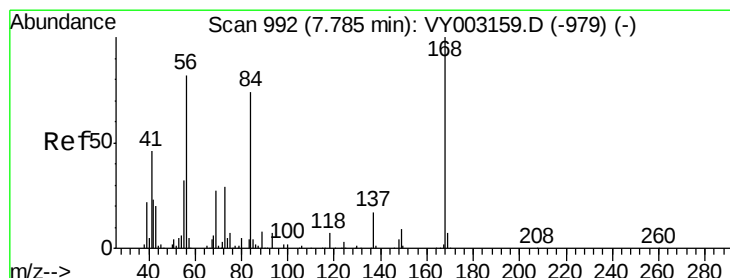
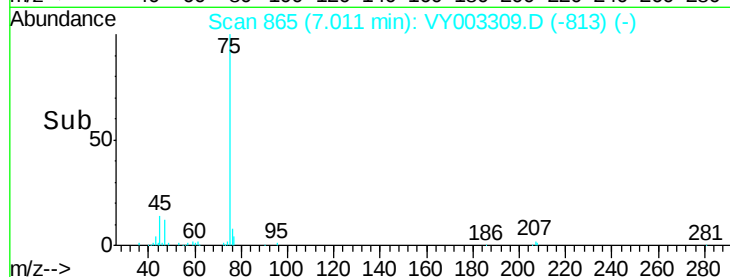
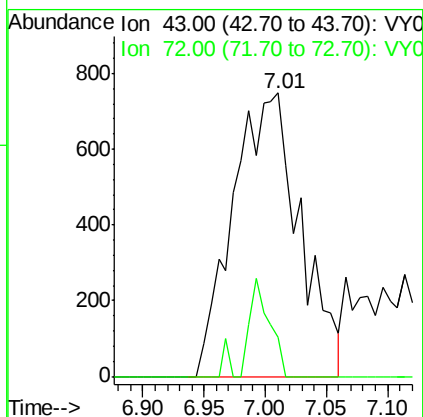
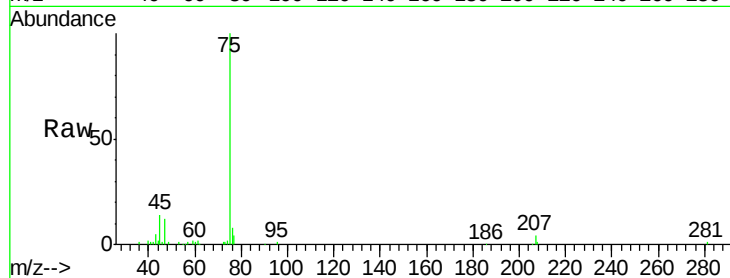




#25
2-Butanone
Concen: 2.270 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.02 min
Lab File: VY003309.D
Acq: 23 Jul 2020 11:56

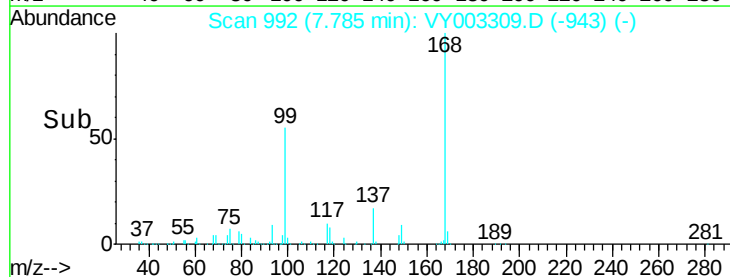
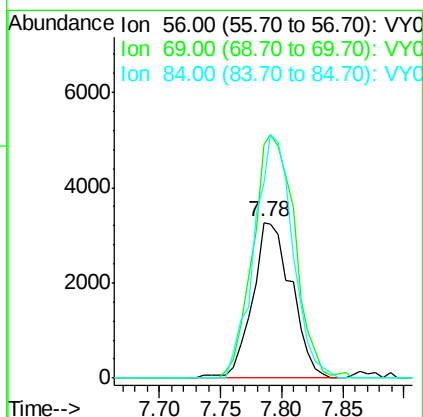
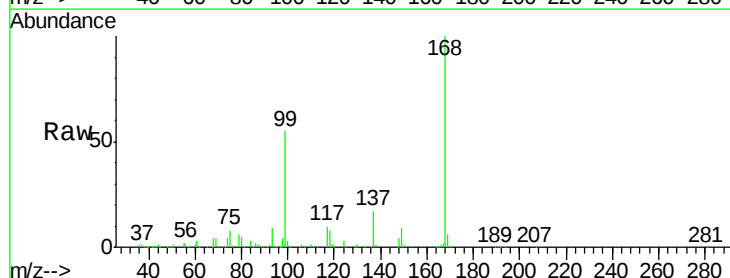
Instrument :
MSVOA_Y
ClientSampled :
VY0723SBL01

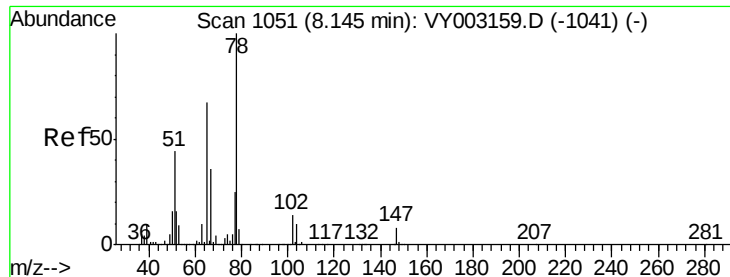
Tot Ion: 43 Resp: 2843
Ion Ratio Lower Upper
43 100
72 13.9 20.9 31.3#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.78 min Scan# 992
Delta R.T. 0.00 min
Lab File: VY003309.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 56 Resp: 7283
Ion Ratio Lower Upper
56 100
69 149.9 26.7 40.1#
84 132.5 72.3 108.5#

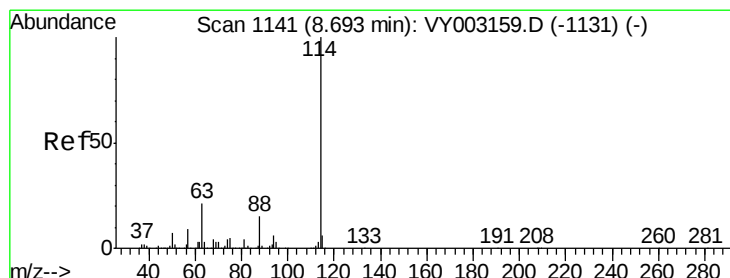
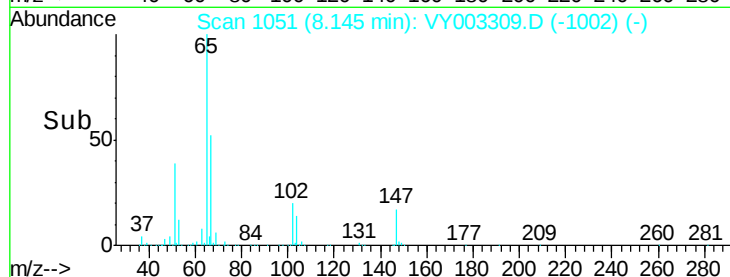
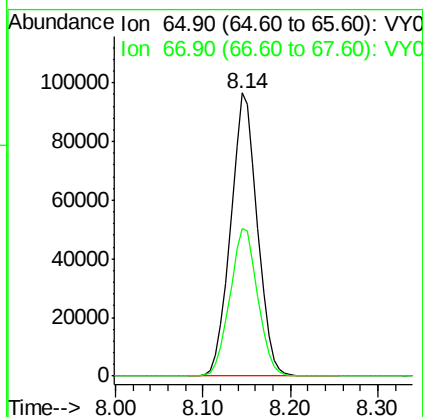
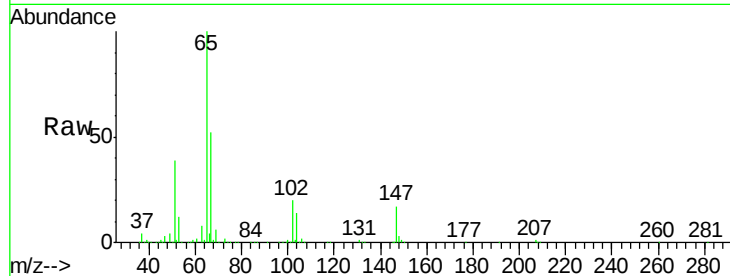




#33
 1,2-Dichloroethane-d4
 Concen: 59.896 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003309.D
 Acq: 23 Jul 2020 11:56

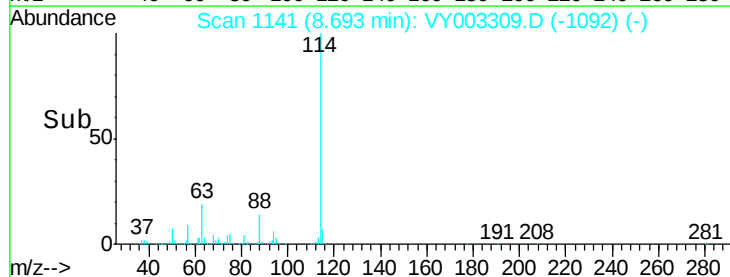
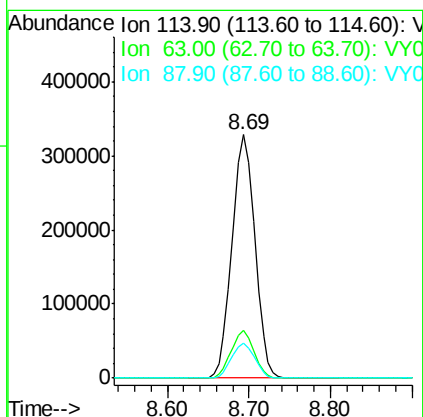
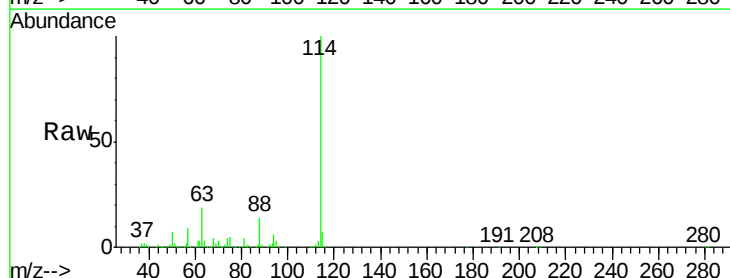
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0723SBL01

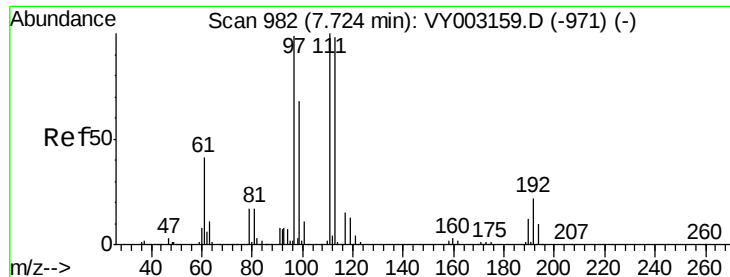
Tot Ion: 65 Resp: 204509
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003309.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 114 Resp: 635638
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.2
 88 14.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 54.206 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003309.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0723SBL01

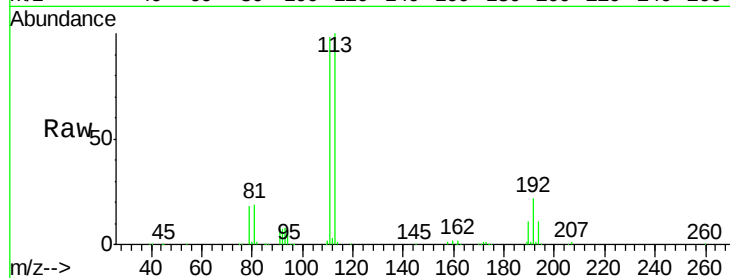
Tot Ion:113 Resp: 198281

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

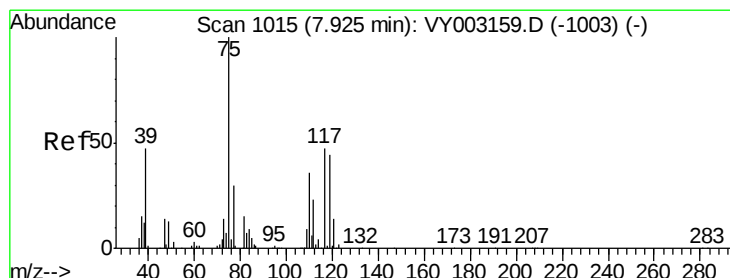
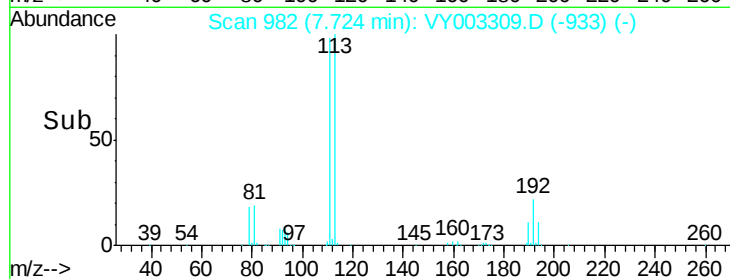
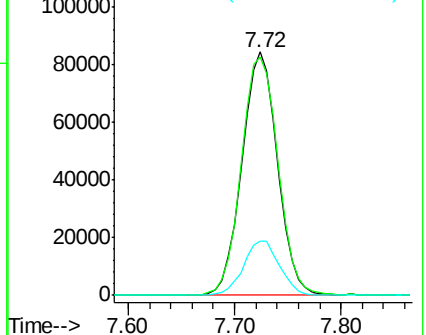
192 22.9 18.8 28.2



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: 4.839 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003309.D

Acq: 23 Jul 2020 11:56

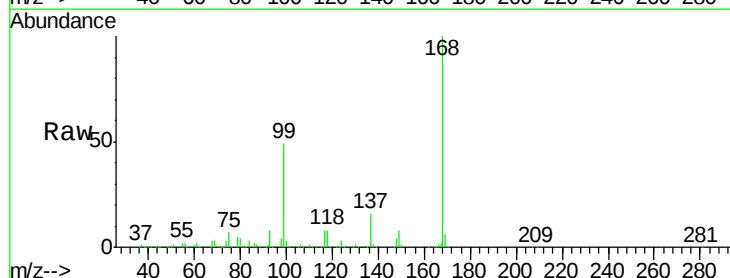
Tgt Ion: 75 Resp: 27877

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

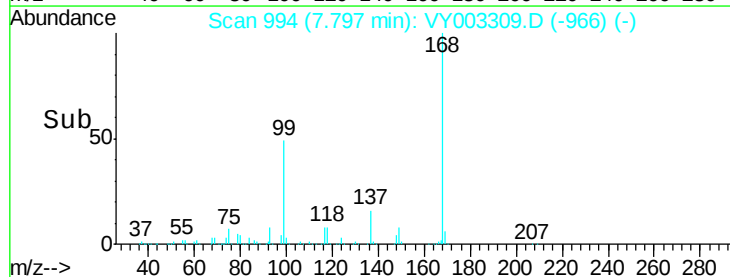
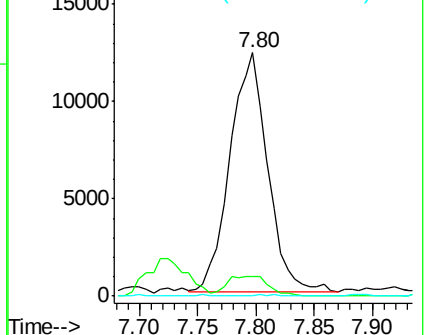
77 0.2 24.8 37.2#

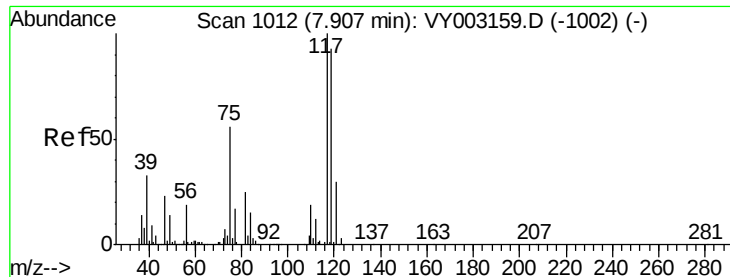


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.025 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003309.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0723SBL01

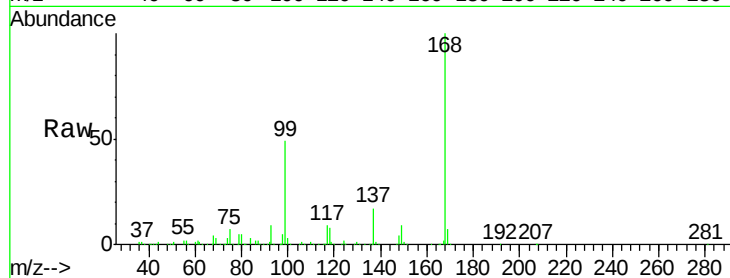
Tot Ion:117 Resp: 35832

Ion Ratio Lower Upper

117 100

119 6.6 74.5 111.7#

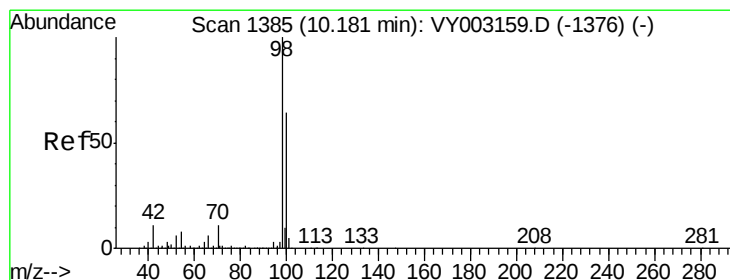
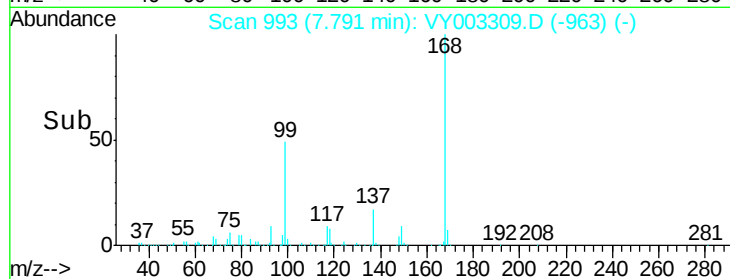
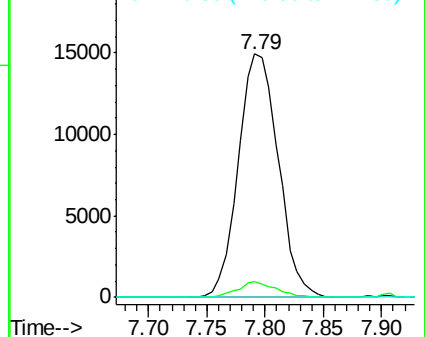
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 56.090 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003309.D

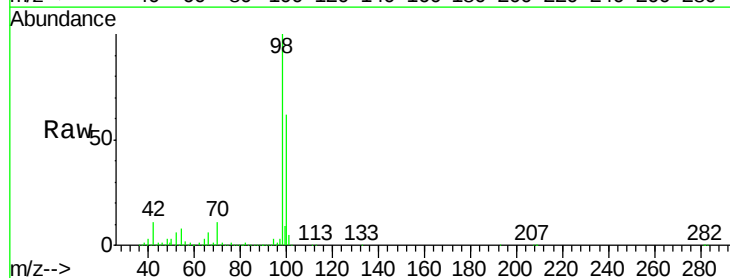
Acq: 23 Jul 2020 11:56

Tgt Ion: 98 Resp: 762799

Ion Ratio Lower Upper

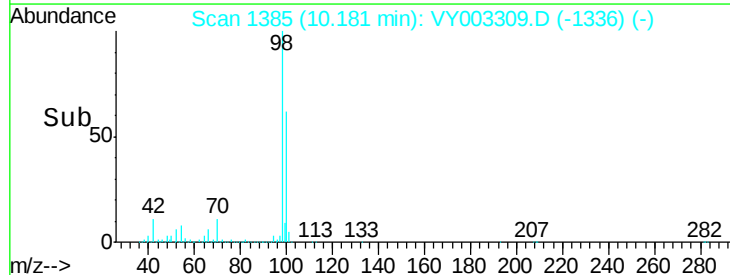
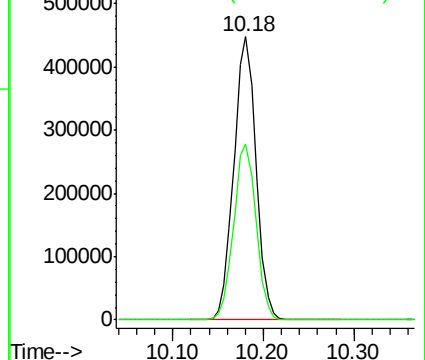
98 100

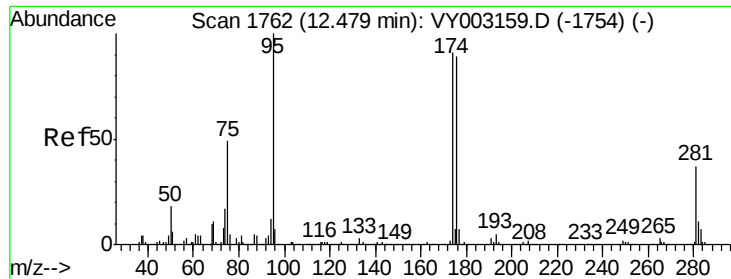
100 62.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

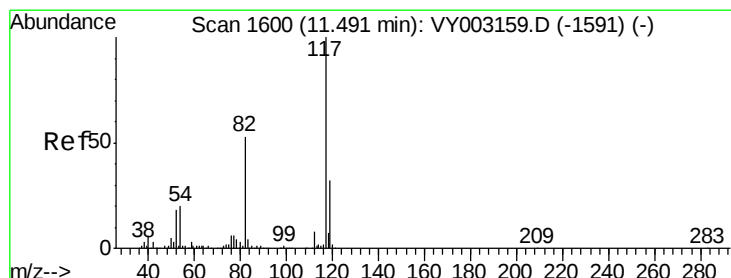
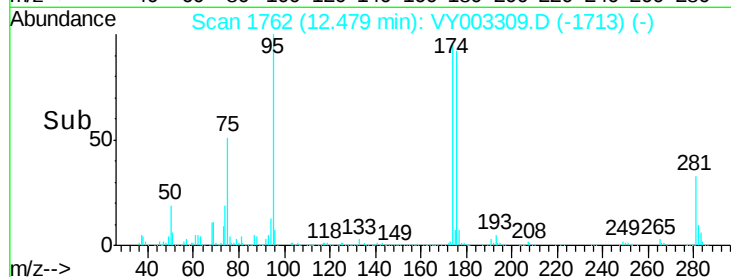
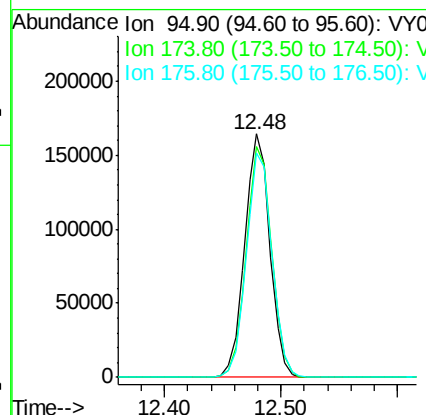
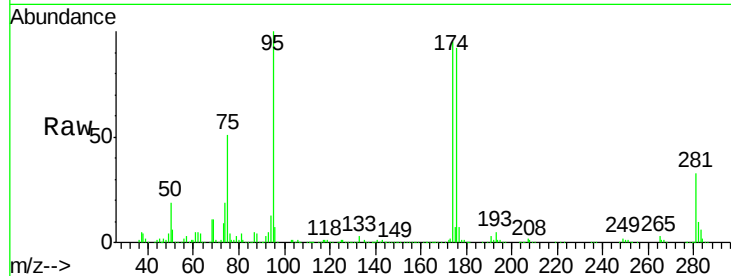




#62
4-Bromofluorobenzene
Concen: 50.486 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003309.D
Acq: 23 Jul 2020 11:56

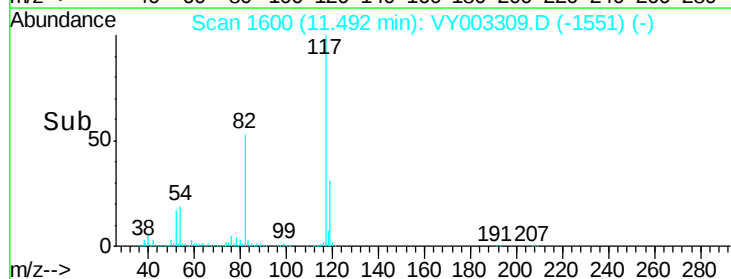
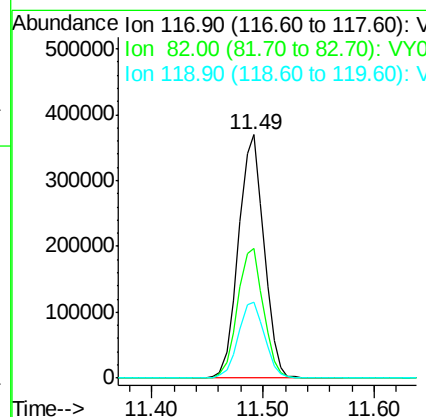
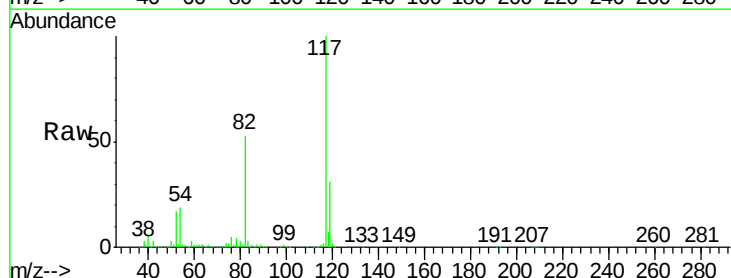
Instrument :
MSVOA_Y
ClientSampleId :
VY0723SBL01

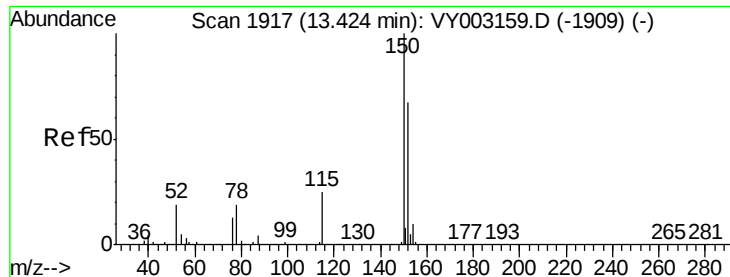
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	190.6
176	93.7	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003309.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.0	63.0
119	31.4	25.5	38.3



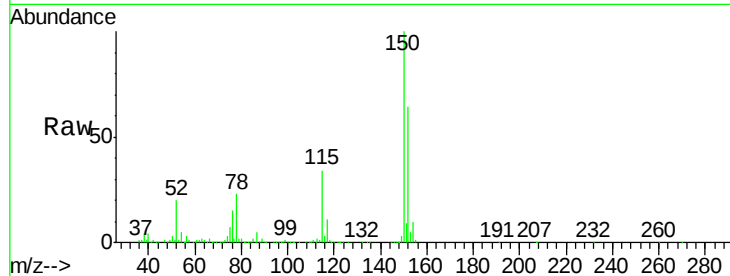


#72

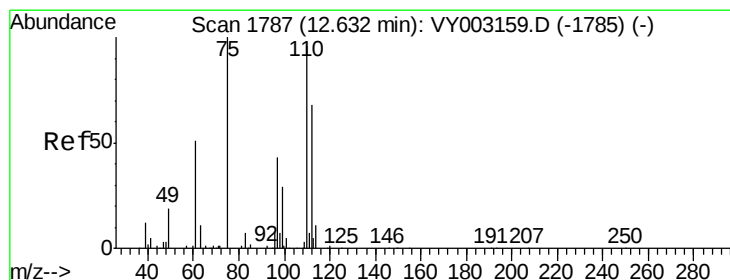
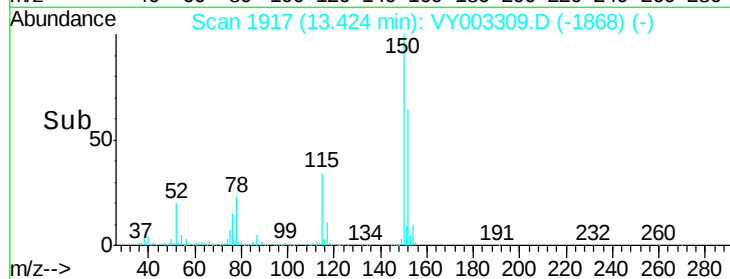
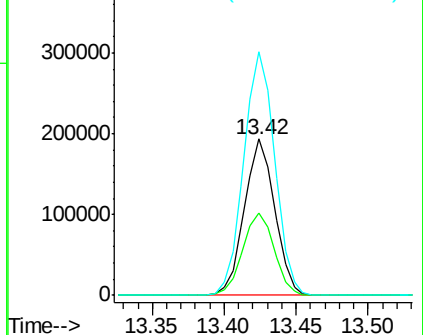
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003309.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0723SBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.9	80.7
150	159.0	0.0	338.0



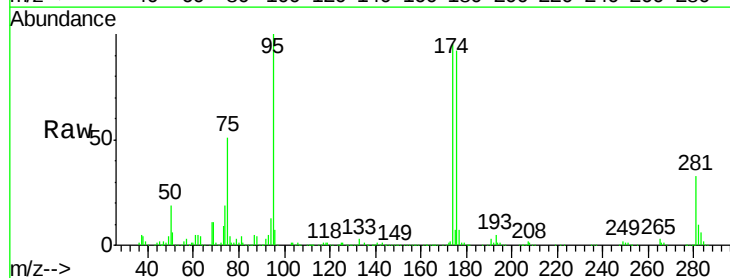
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



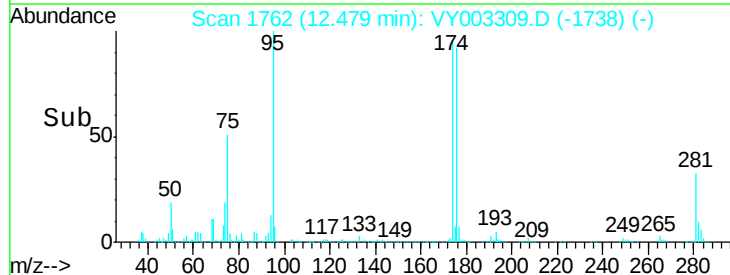
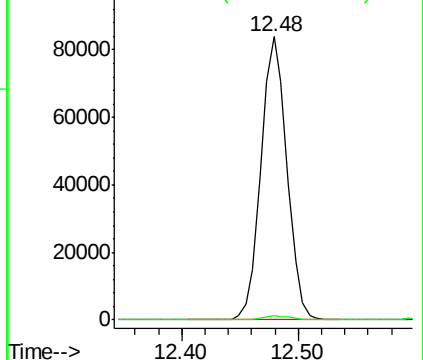
#76

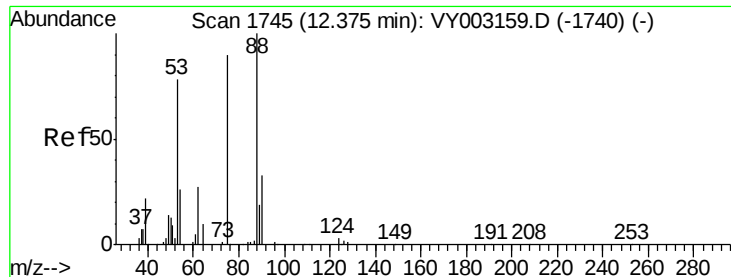
1,2,3-Trichloropropane
Concen: 51.675 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003309.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 100.570 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003309.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_Y

ClientSampled :

VY0723SBL01

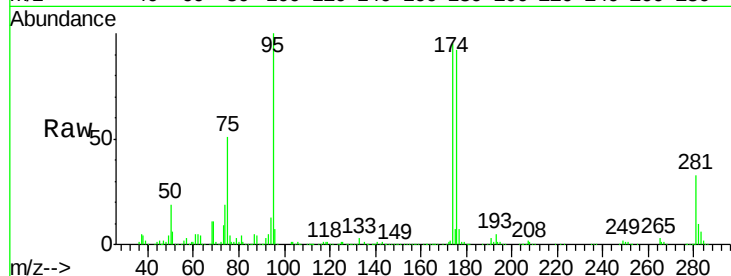
Tot Ion: 75 Resp: 129108

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

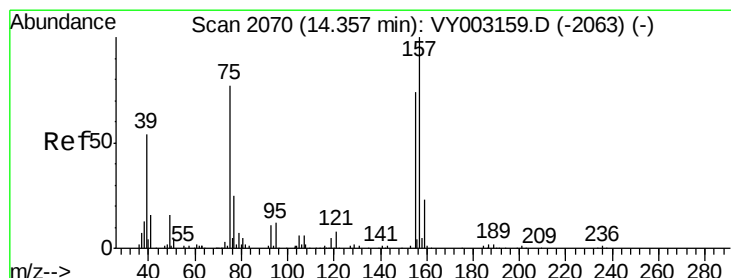
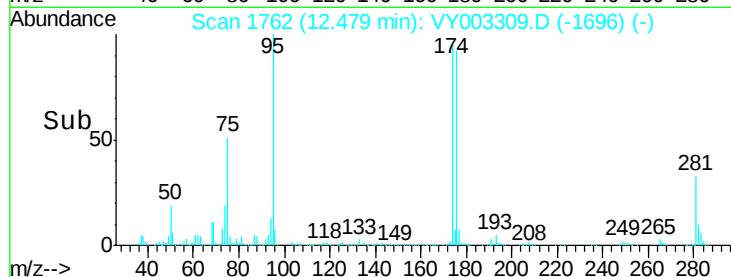
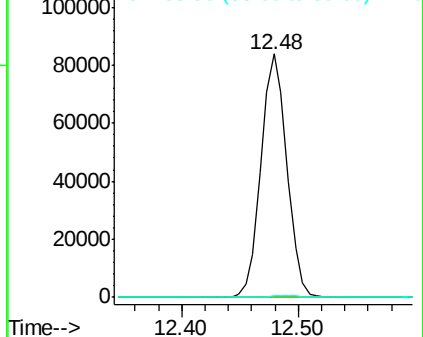
89 0.7 37.3 55.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.371 ug/l

RT: 14.34 min Scan# 2068

Delta R.T. -0.01 min

Lab File: VY003309.D

Acq: 23 Jul 2020 11:56

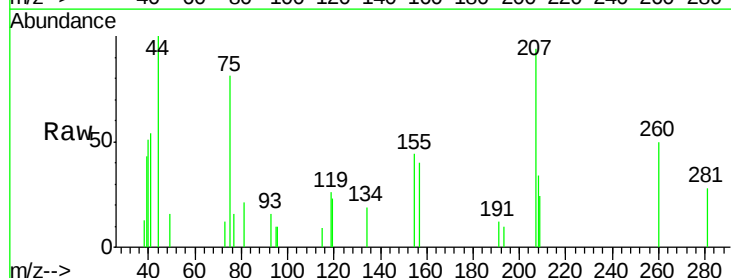
Tgt Ion: 75 Resp: 772

Ion Ratio Lower Upper

75 100

155 75.9 48.1 144.3

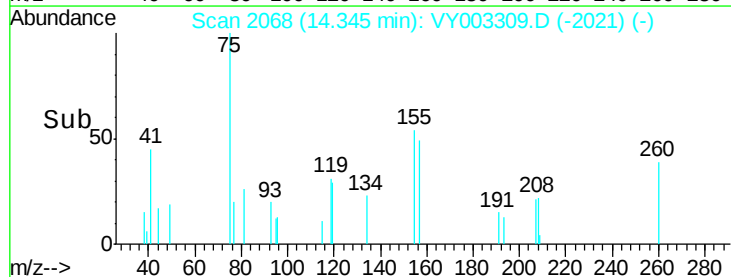
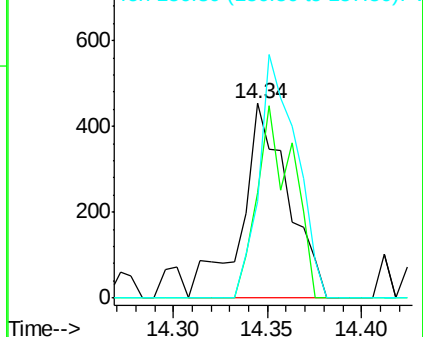
157 100.9 61.9 185.6

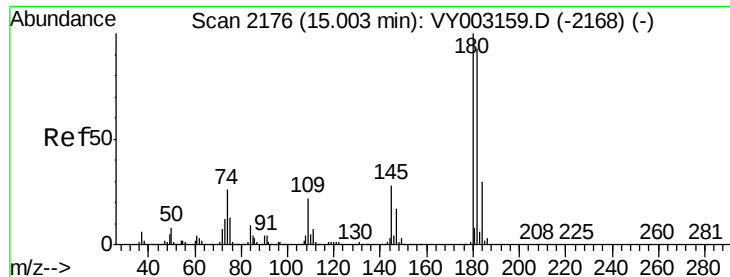


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

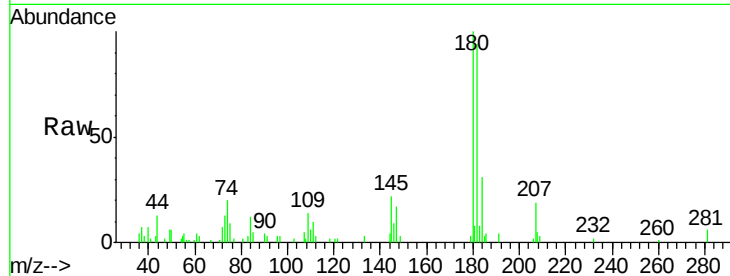




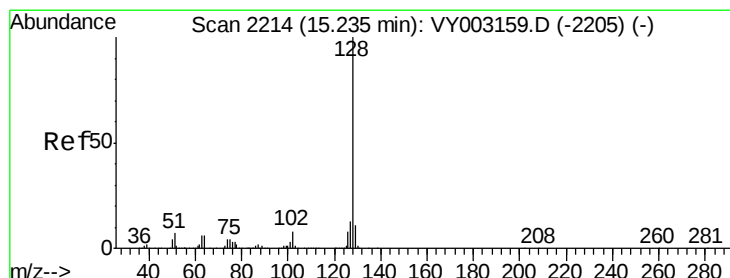
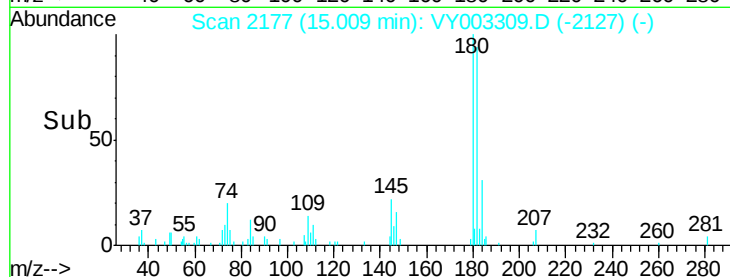
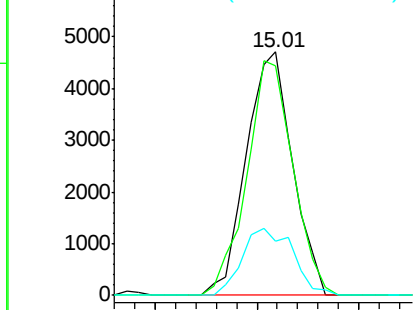
#93
 1,2,4-Trichlorobenzene
 Concen: 1.375 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003309.D
 Acq: 23 Jul 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0723SBL01

Tot Ion:180 Resp: 7443
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 142.0
 145 29.9 13.7 41.1

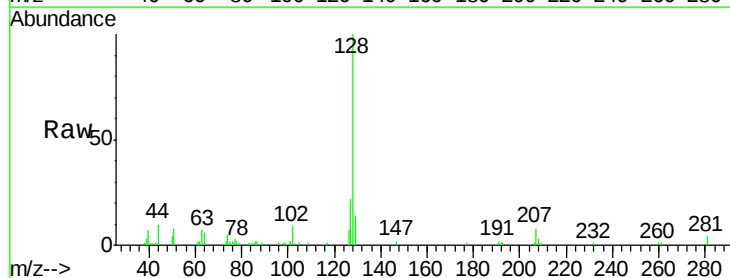


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

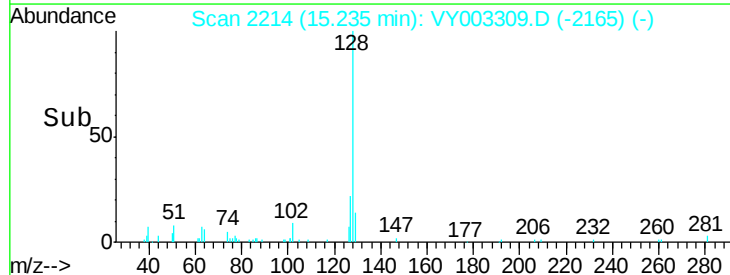
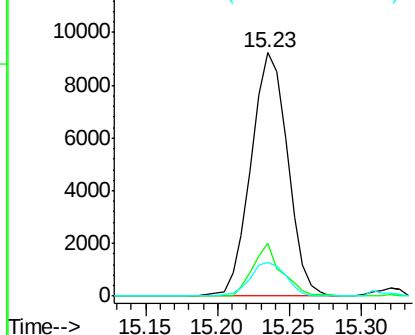


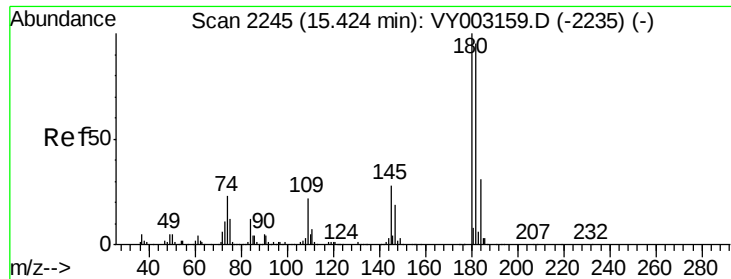
#95
 Naphthalene
 Concen: 1.814 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY003309.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:128 Resp: 16227
 Ion Ratio Lower Upper
 128 100
 127 17.1 10.9 16.3#
 129 13.4 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.274 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY003309.D
 Acq: 23 Jul 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0723SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	48.8	146.3
145	31.8	14.9	44.5

