

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY033120\
 Data File : VY002123.D
 Acq On : 31 Mar 2020 11:18
 Operator : SY/MD
 Sample : VY0331SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBL01

Quant Time: Mar 31 14:58:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	139666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	270223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	247964	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	109352	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	83876	54.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.64%	
35) Dibromofluoromethane	7.75	113	80665	53.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.56%	
50) Toluene-d8	10.20	98	332041	52.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.50	95	112853	51.30	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.60%	

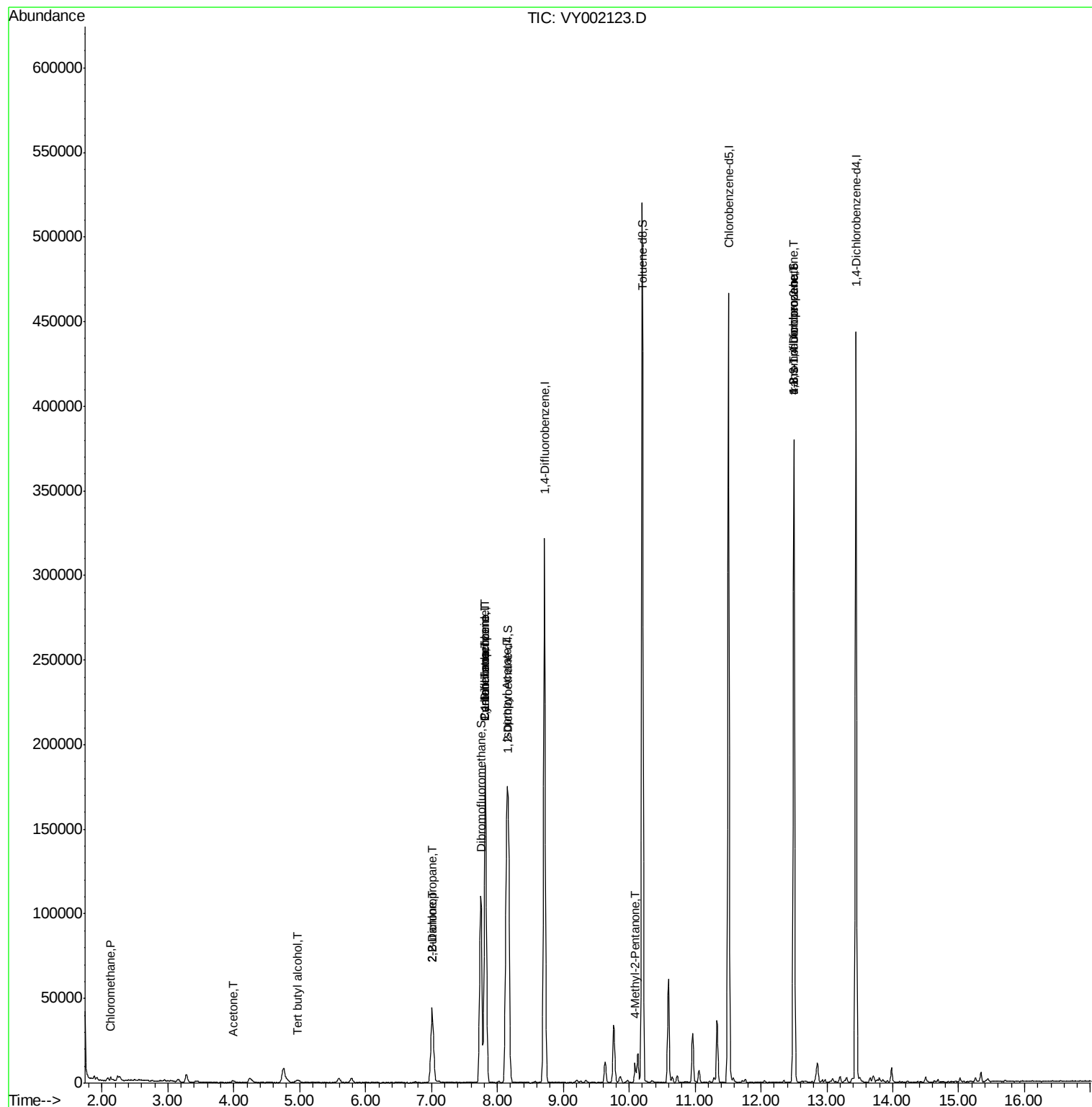
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	1044	Below Cal		99
3) Chloromethane	2.13	50	1946	1.19 ug/l	#	86
11) Tert butyl alcohol	4.96	59	984	5.41 ug/l	#	74
16) Acetone	3.99	43	1838	4.24 ug/l		96
20) Methylene Chloride	4.75	84	5950	Below Cal		89
25) 2-Butanone	7.01	43	2590	3.89 ug/l	#	82
26) 2,2-Dichloropropane	7.00	77	3064	1.23 ug/l	#	52
31) Cyclohexane	7.82	56	3341	1.04 ug/l	#	1
36) 1,1-Dichloropropene	7.82	75	11793	4.61 ug/l	#	50
38) Carbon Tetrachloride	7.82	117	14031	6.47 ug/l	#	17
43) Isopropyl Acetate	8.14	43	3684	1.29 ug/l	#	8
51) 4-Methyl-2-Pentanone	10.09	43	7903	5.35 ug/l		89
76) 1,2,3-Trichloropropane	12.50	75	57668	47.15 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.50	75	57668	91.34 ug/l	#	18

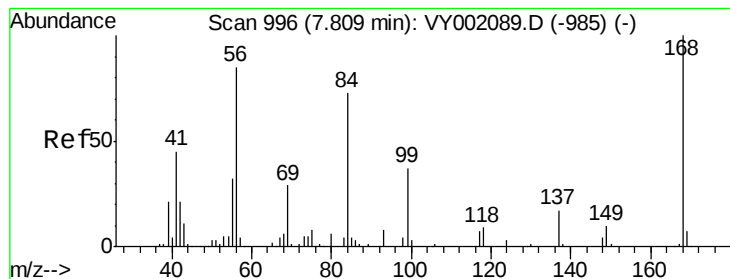
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

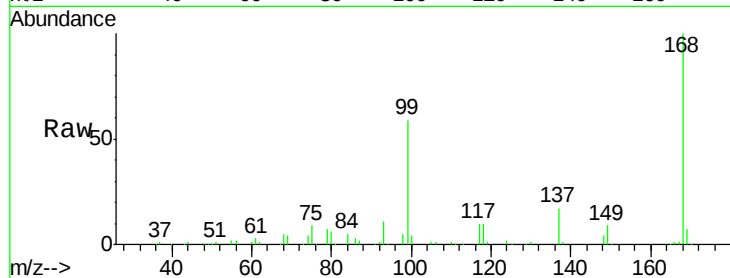
VY0331SBL01

Tgt Ion:168 Resp: 139666

Ion Ratio Lower Upper

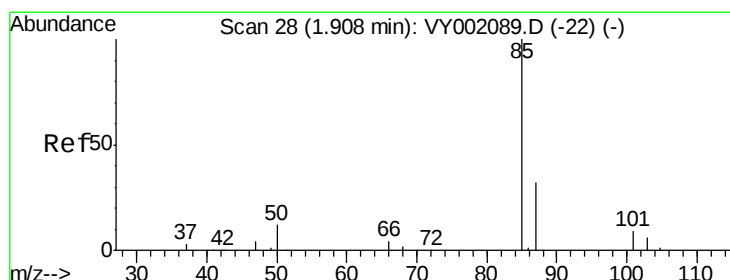
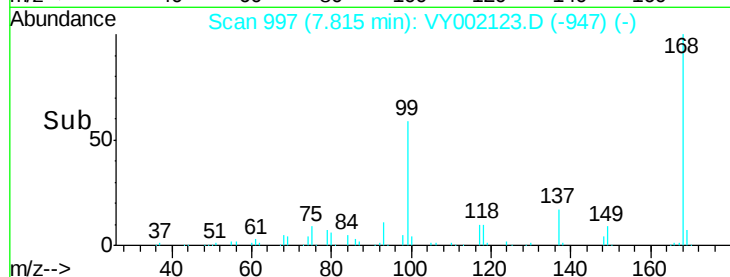
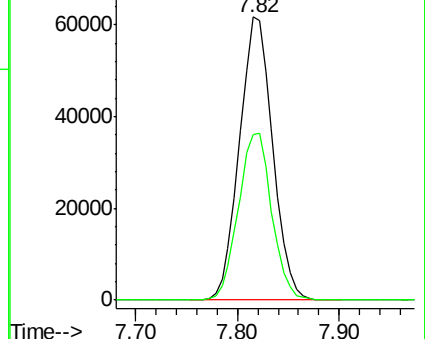
168 100

99 58.7 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002123.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002123.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002123.D

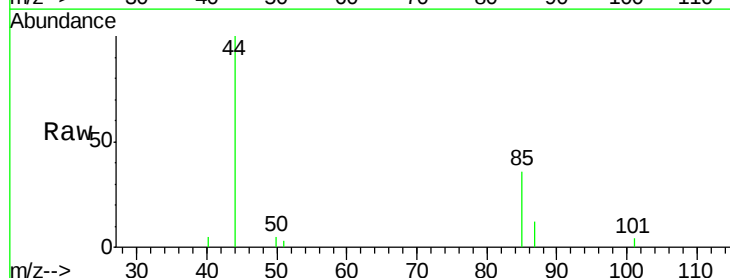
Acq: 31 Mar 2020 11:18

Tgt Ion: 85 Resp: 1044

Ion Ratio Lower Upper

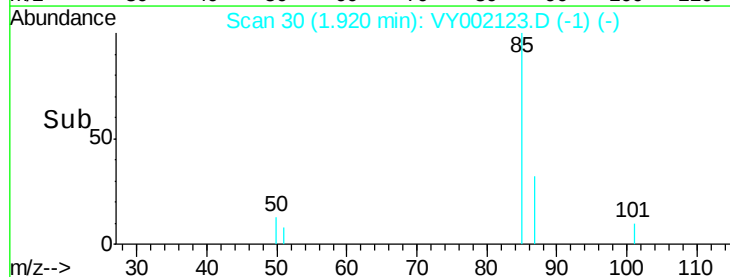
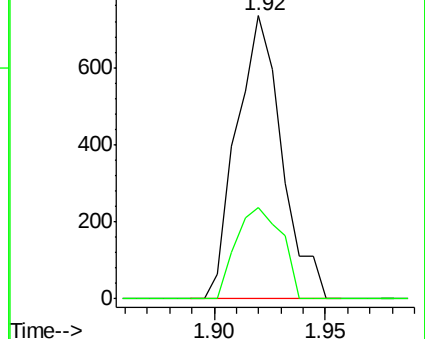
85 100

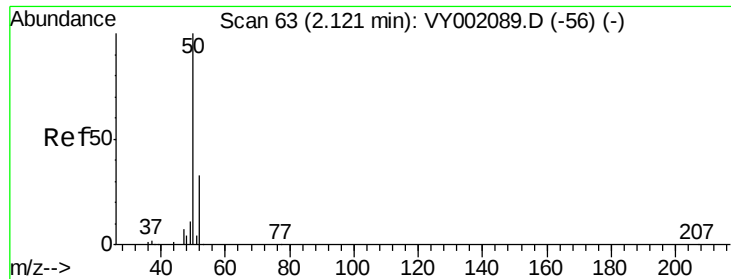
87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002123.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002123.D (-1) (-)





#3

Chloromethane

Concen: 1.19 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

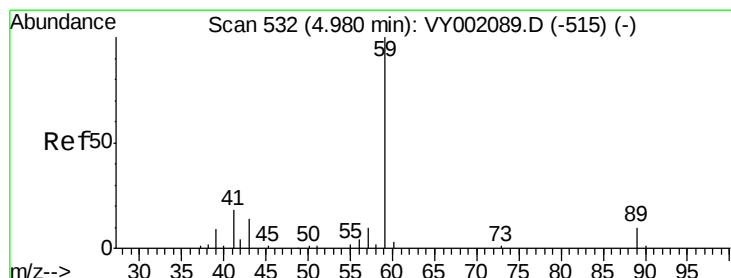
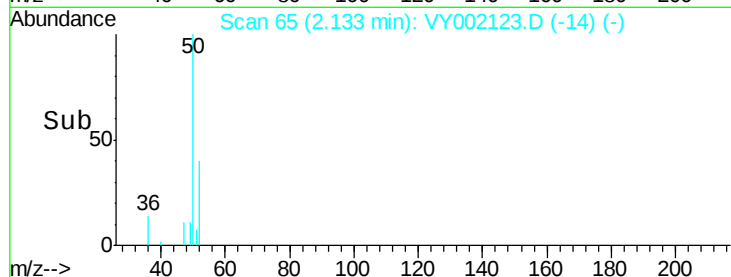
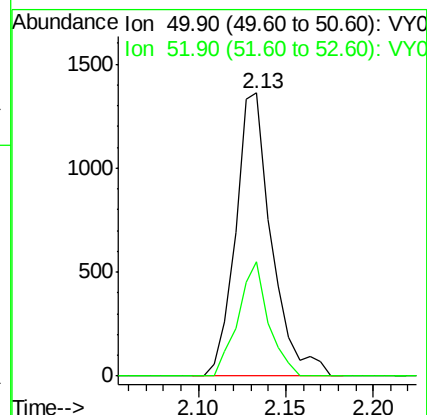
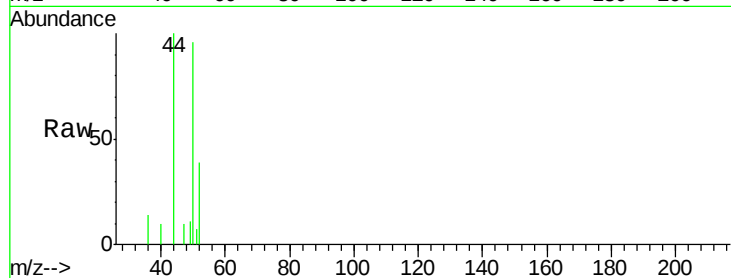
VY0331SBL01

Tgt Ion: 50 Resp: 1946

Ion Ratio Lower Upper

50 100

52 40.3 26.1 39.1#



#11

Tert butyl alcohol

Concen: 5.41 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.02 min

Lab File: VY002123.D

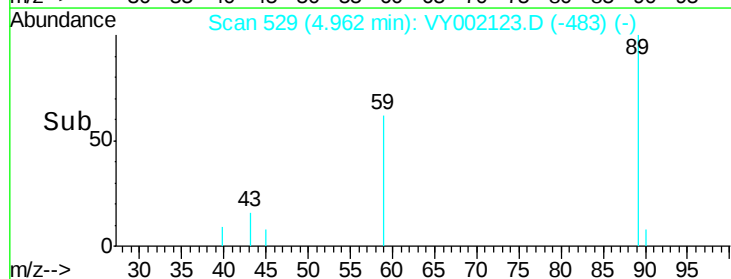
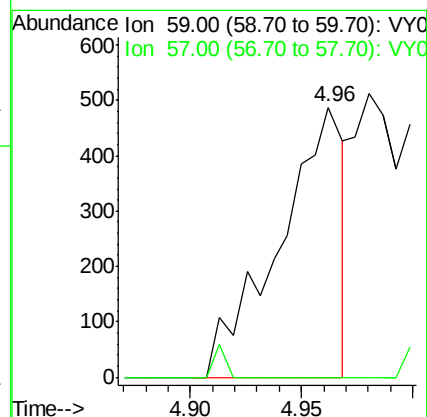
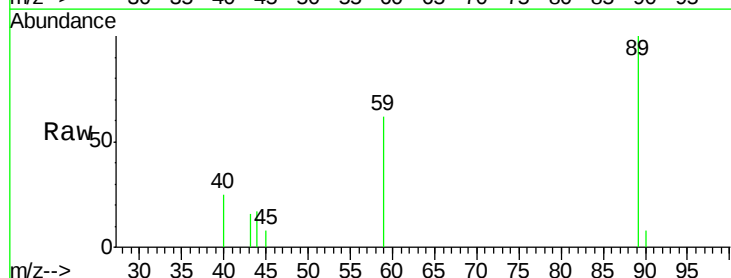
Acq: 31 Mar 2020 11:18

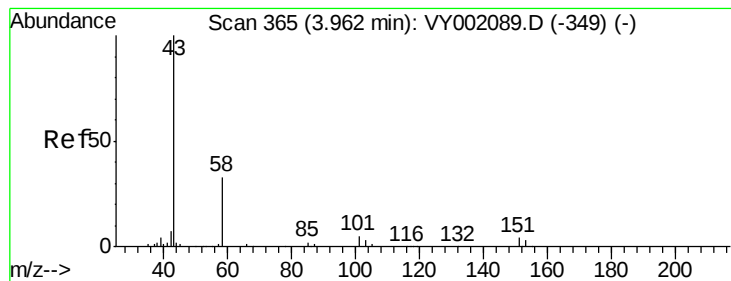
Tgt Ion: 59 Resp: 984

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#16

Acetone

Concen: 4.24 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

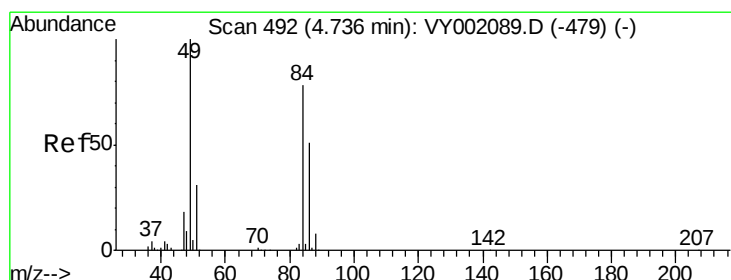
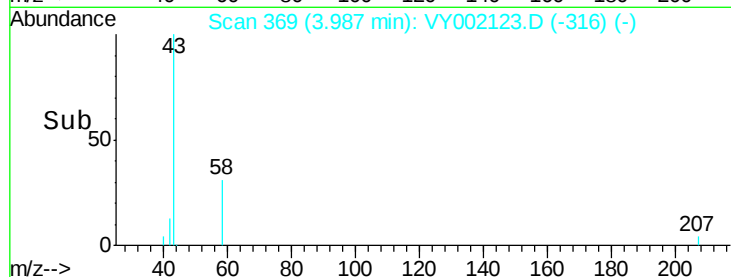
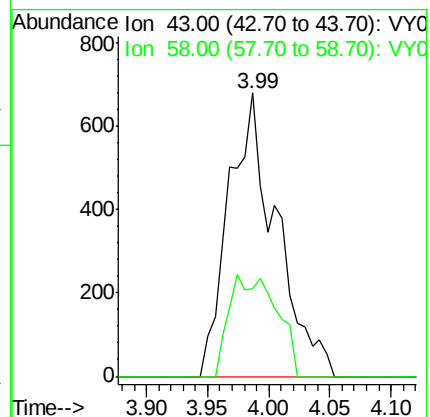
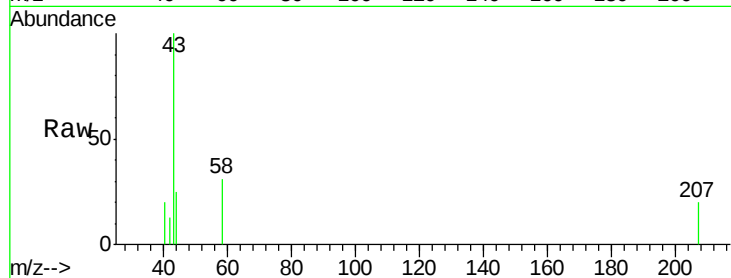
VY0331SBL01

Tgt Ion: 43 Resp: 1838

Ion Ratio Lower Upper

43 100

58 30.8 26.3 39.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 495

Delta R.T. 0.02 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

Tgt Ion: 84 Resp: 5950

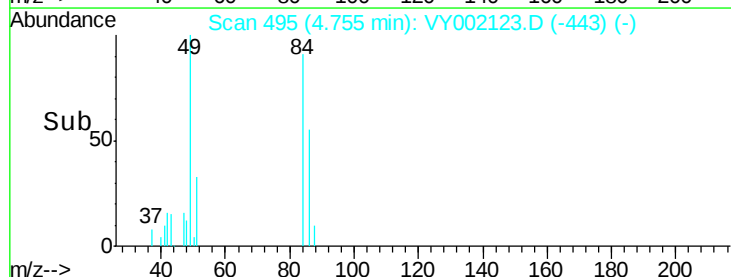
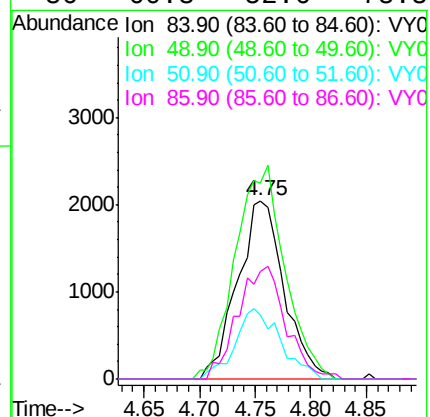
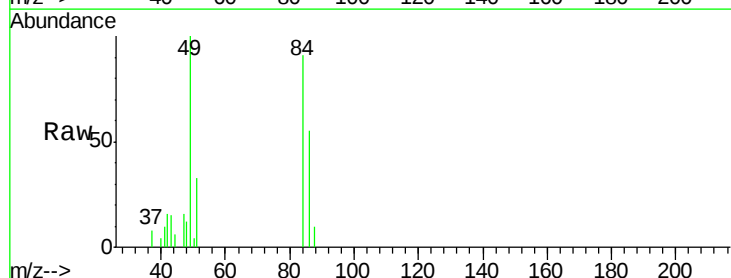
Ion Ratio Lower Upper

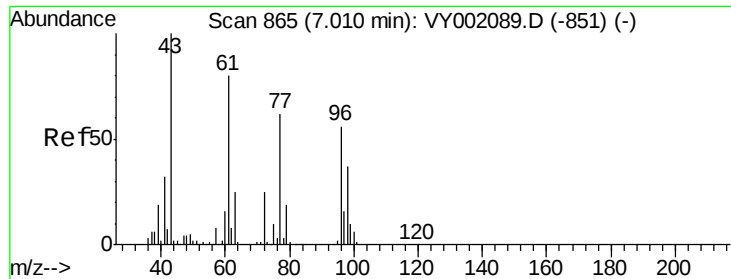
84 100

49 109.9 102.2 153.4

51 35.9 31.2 46.8

86 60.3 52.6 78.8





#25

2-Butanone

Concen: 3.89 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

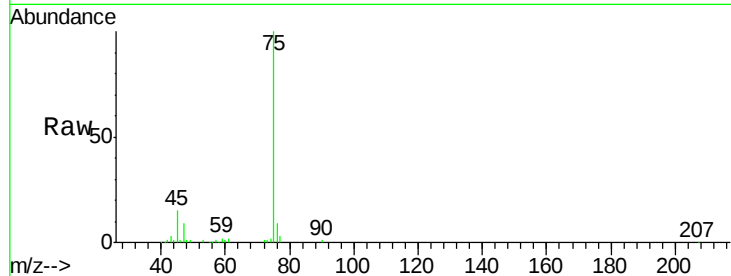
VY0331SBL01

Tgt Ion: 43 Resp: 2590

Ion Ratio Lower Upper

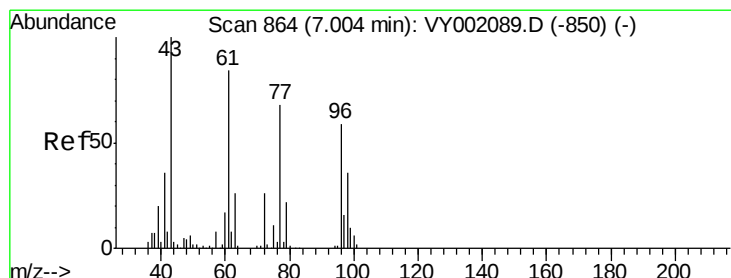
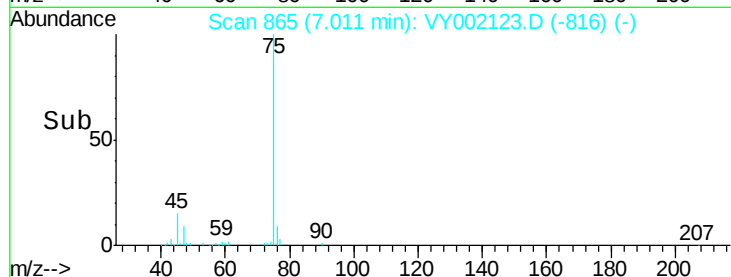
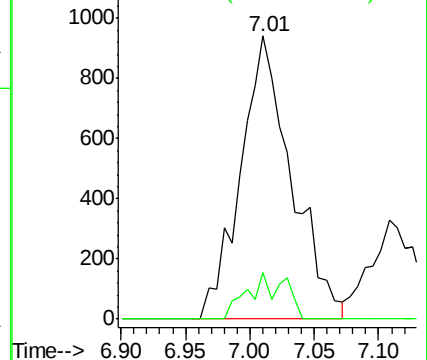
43 100

72 16.3 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.23 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002123.D

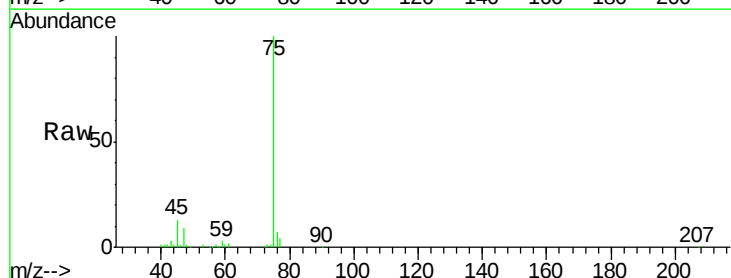
Acq: 31 Mar 2020 11:18

Tgt Ion: 77 Resp: 3064

Ion Ratio Lower Upper

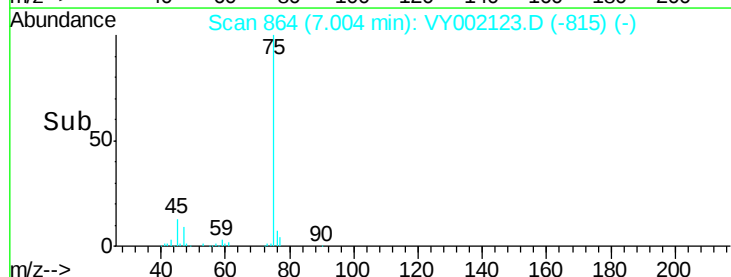
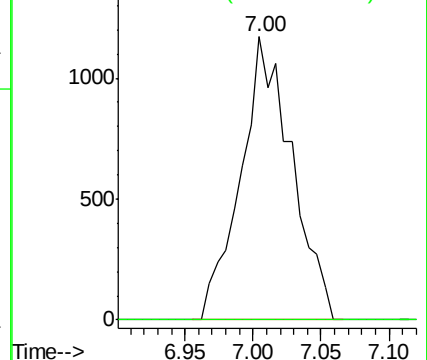
77 100

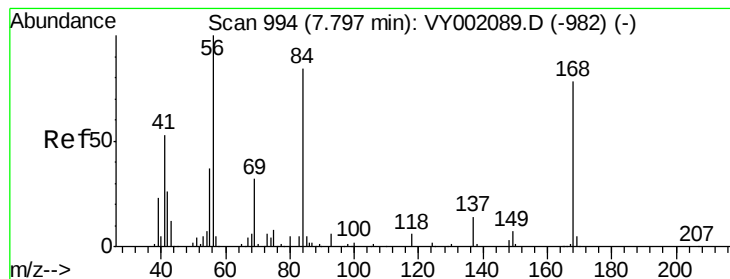
97 0.0 11.7 35.1#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBL01

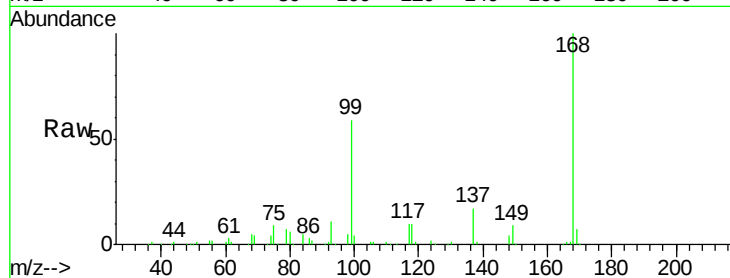
Tgt Ion: 56 Resp: 3341

Ion Ratio Lower Upper

56 100

69 145.7 25.8 38.8#

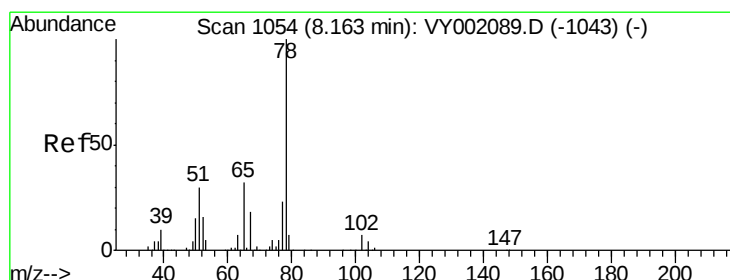
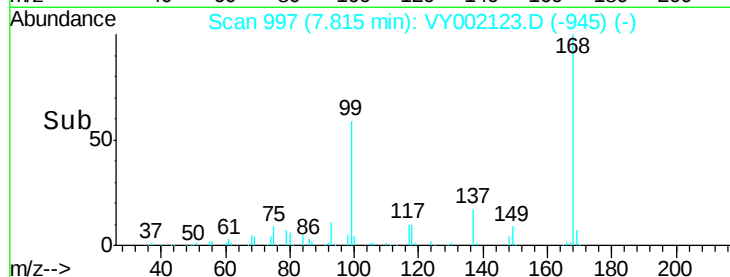
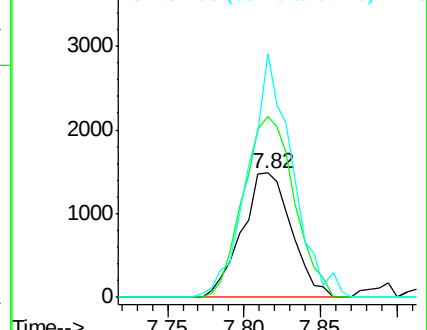
84 195.6 67.1 100.7#



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: 54.32 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002123.D

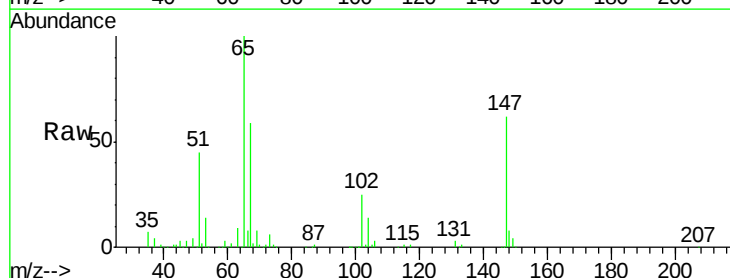
Acq: 31 Mar 2020 11:18

Tgt Ion: 65 Resp: 83876

Ion Ratio Lower Upper

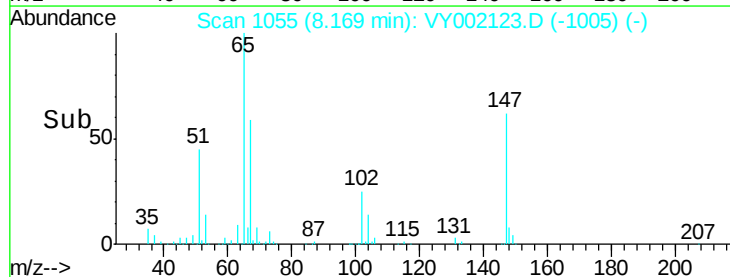
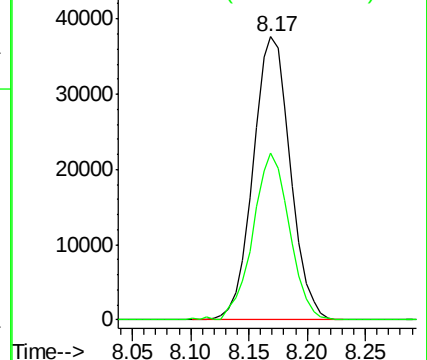
65 100

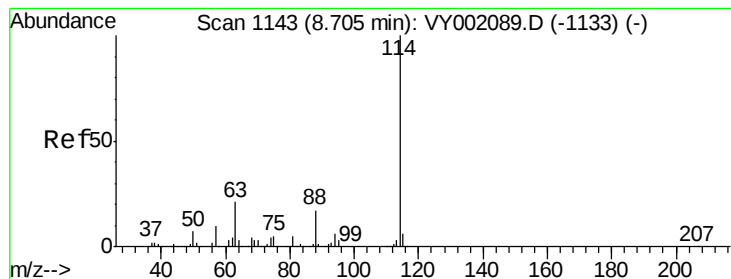
67 58.0 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002123.D

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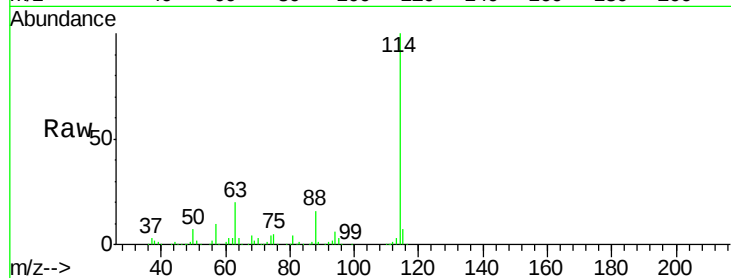
Tgt Ion:114 Resp: 270223

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

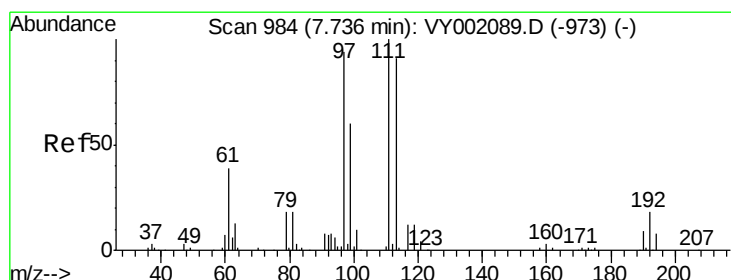
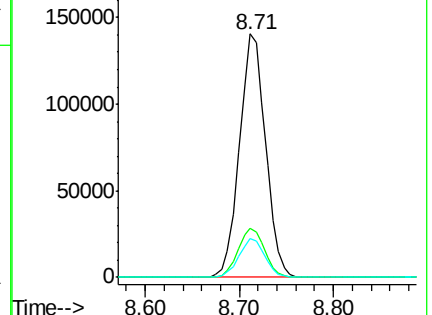
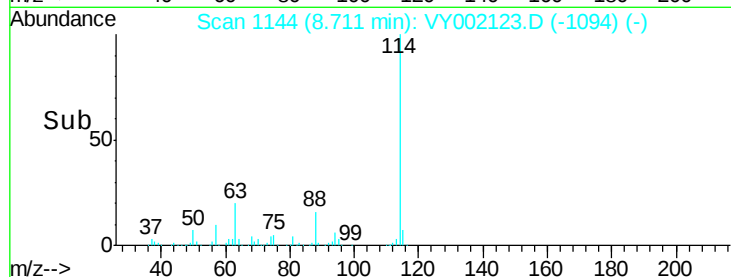
88 16.2 0.0 33.0



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: 53.28 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

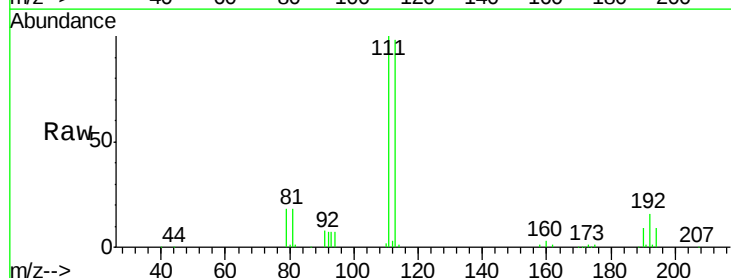
Tgt Ion:113 Resp: 80665

Ion Ratio Lower Upper

113 100

111 102.3 84.4 126.6

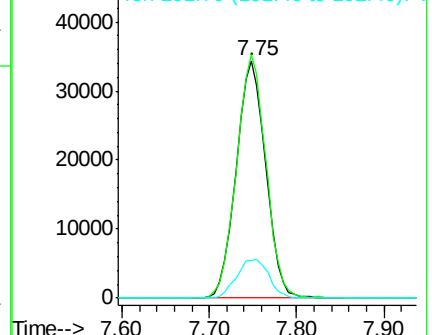
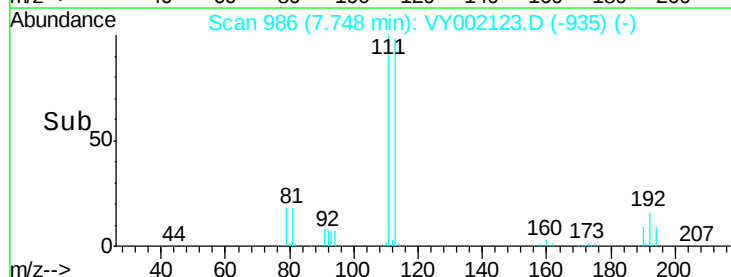
192 17.9 14.6 21.8

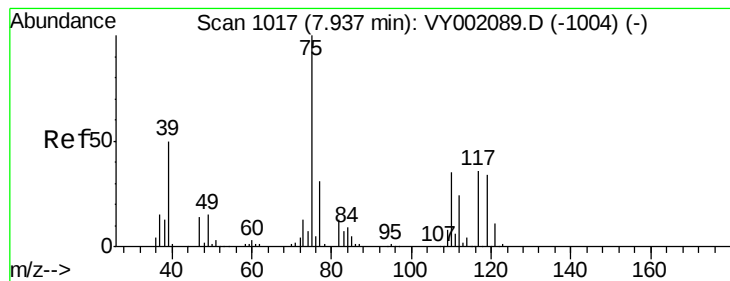


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

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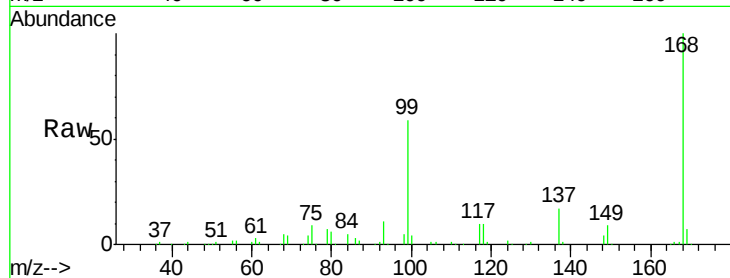
Tgt Ion: 75 Resp: 11793

Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.6#

77 0.0 24.7 37.1#

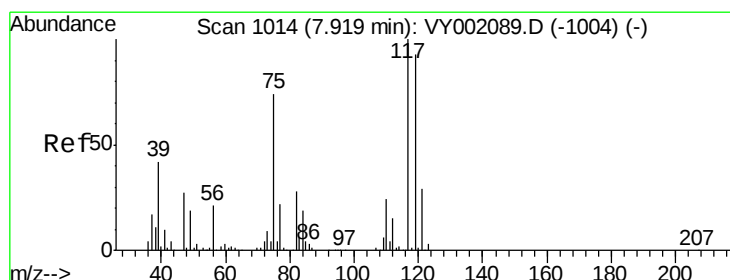
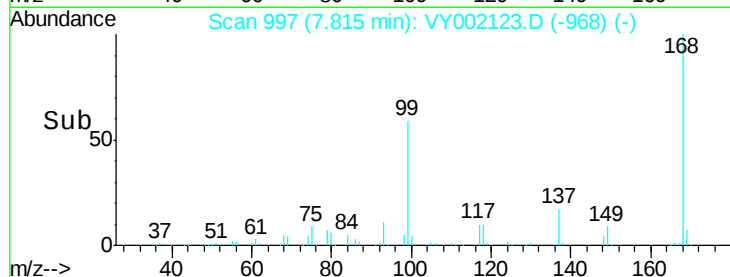


Abundance Ion 74.90 (74.60 to 75.60): VY002123.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY002123.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002123.D (-968) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.47 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

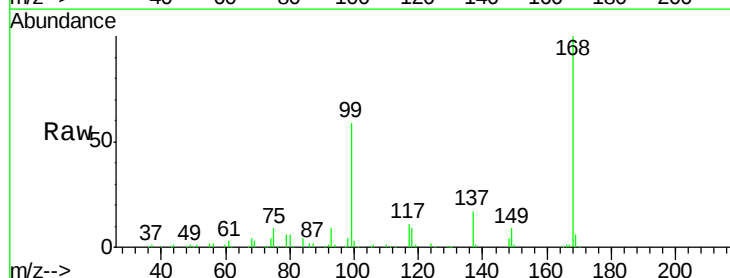
Tgt Ion: 117 Resp: 14031

Ion Ratio Lower Upper

117 100

119 5.3 74.3 111.5#

121 0.0 23.3 34.9#

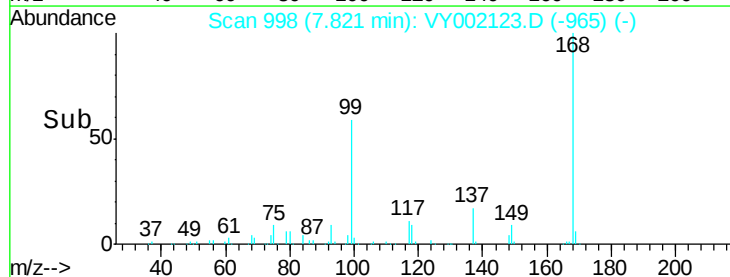


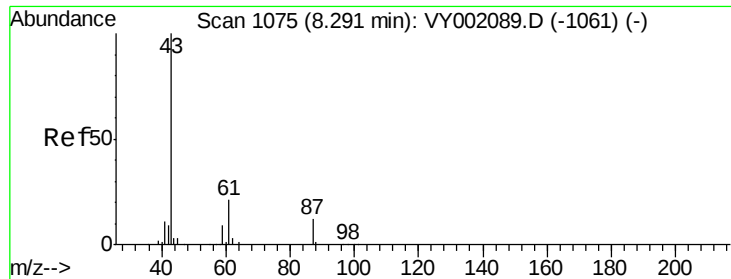
Abundance Ion 116.80 (116.50 to 117.50): VY002123.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002123.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002123.D (-965) (-)

Time-->

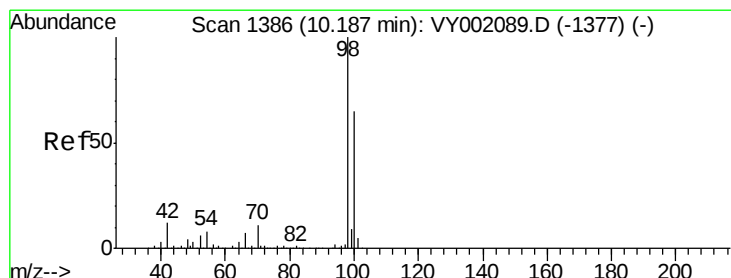
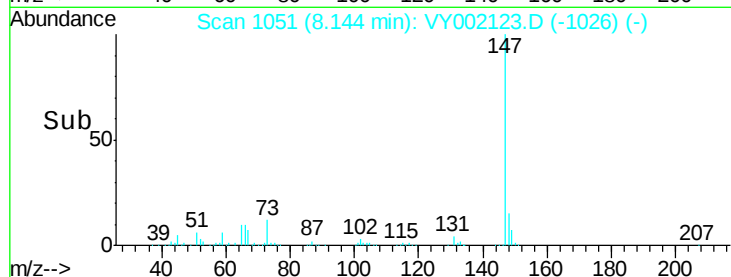
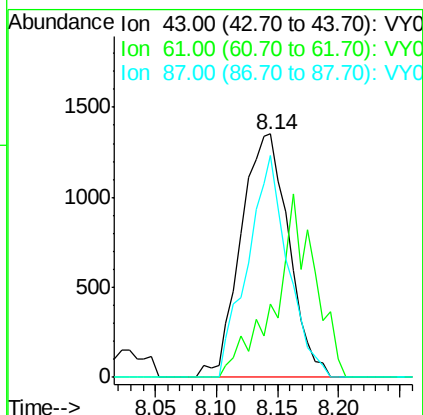
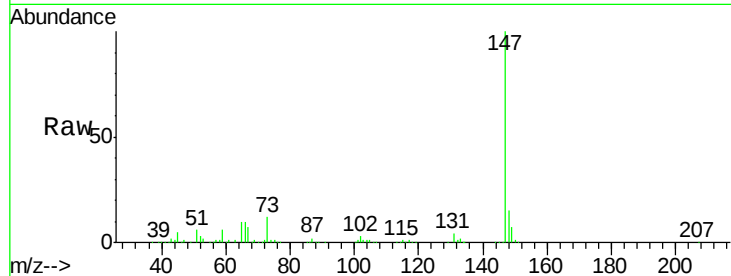




#43
Isopropyl Acetate
Concen: 1.29 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.15 min
Lab File: VY002123.D
Acq: 31 Mar 2020 11:18

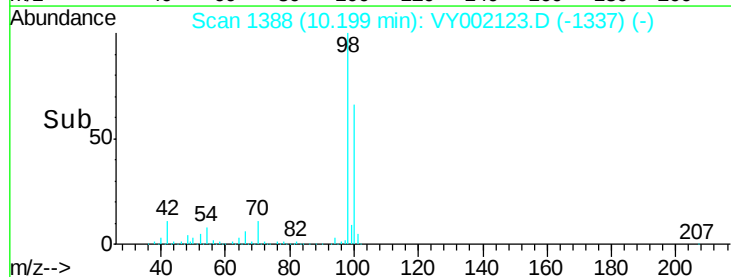
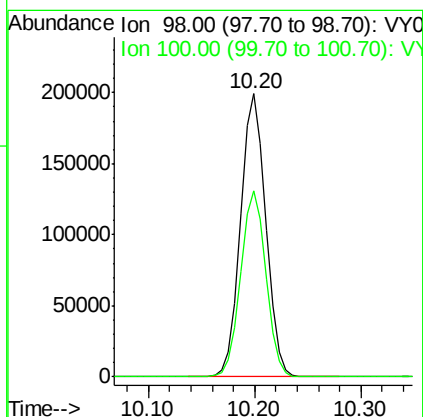
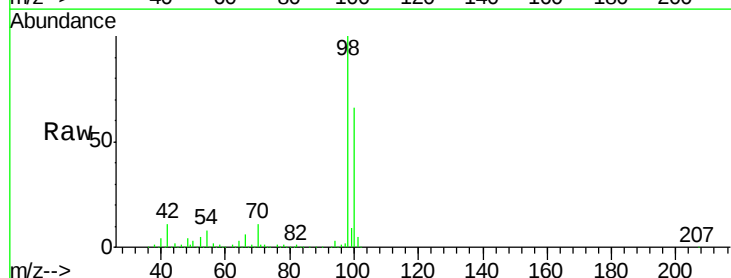
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

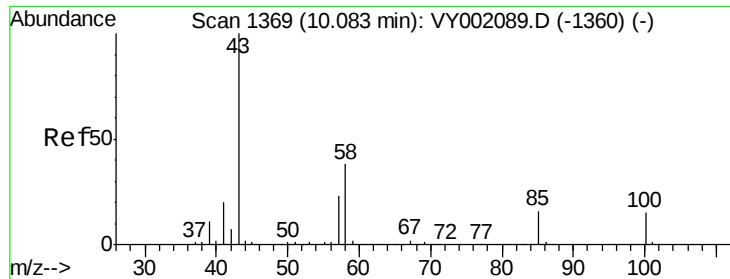
Tgt Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
61 62.5 23.4 35.2#
87 76.7 10.2 15.4#



#50
Toluene-d8
Concen: 52.79 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002123.D
Acq: 31 Mar 2020 11:18

Tgt Ion: 98 Resp: 332041
Ion Ratio Lower Upper
98 100
100 65.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 5.35 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

Instrument :

MSVOA_Y

ClientSampleId :

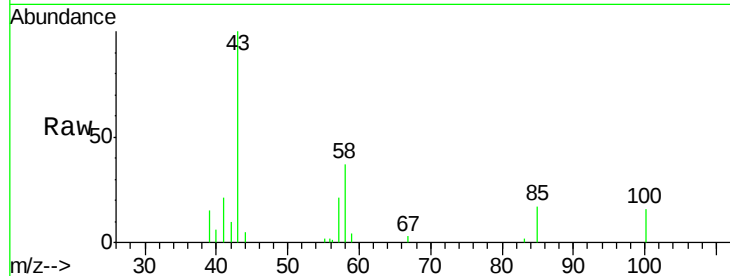
VY0331SBL01

Tgt Ion: 43 Resp: 7903

Ion Ratio Lower Upper

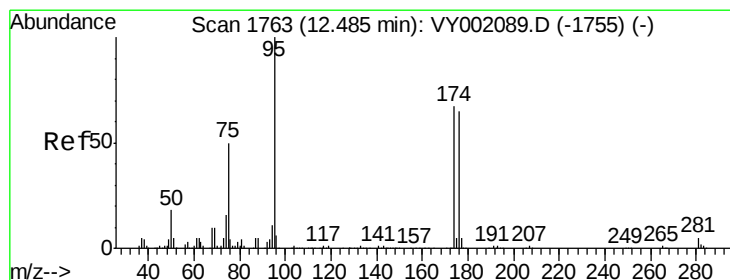
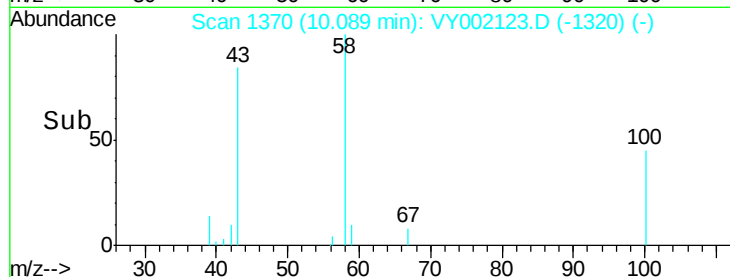
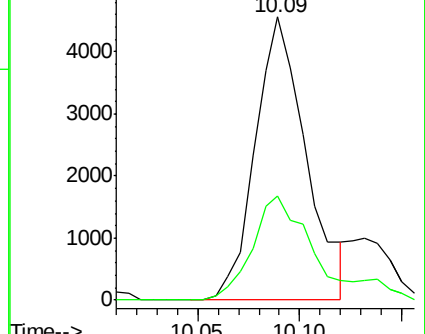
43 100

58 46.1 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 51.30 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY002123.D

Acq: 31 Mar 2020 11:18

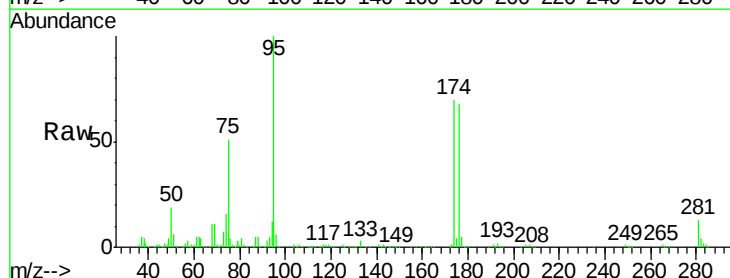
Tgt Ion: 95 Resp: 112853

Ion Ratio Lower Upper

95 100

174 74.0 0.0 143.4

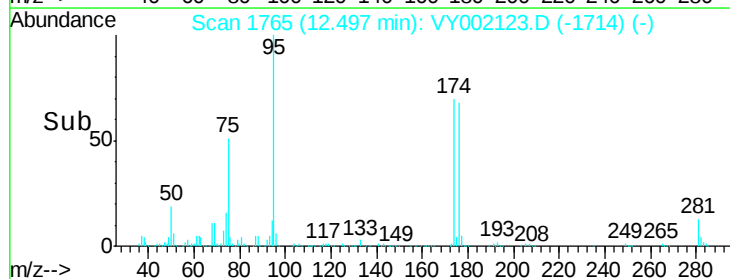
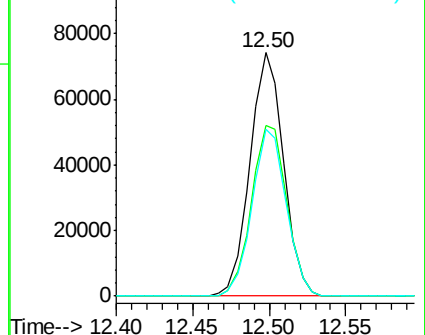
176 70.3 0.0 137.0

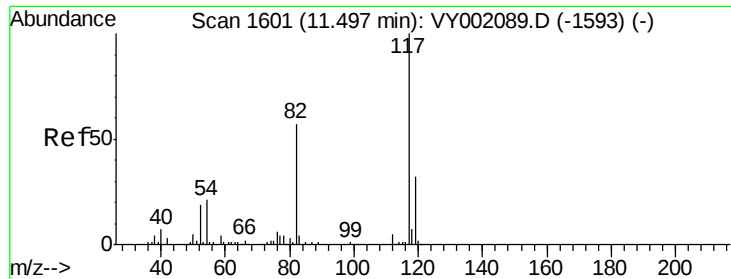


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

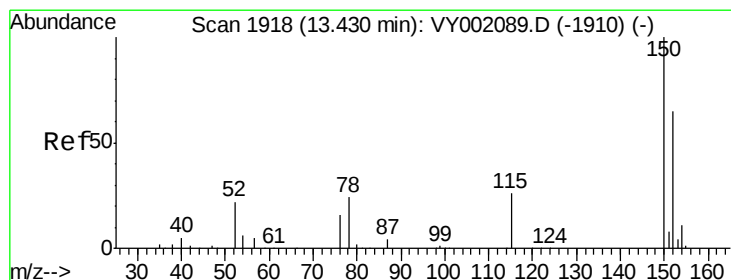
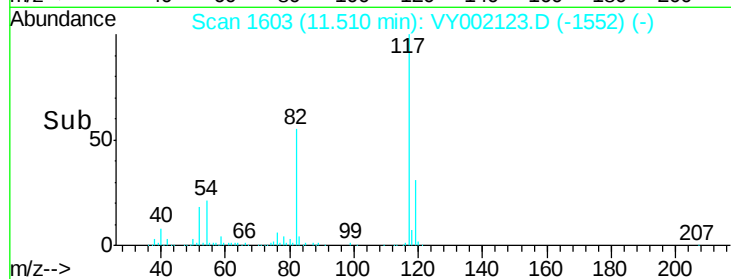
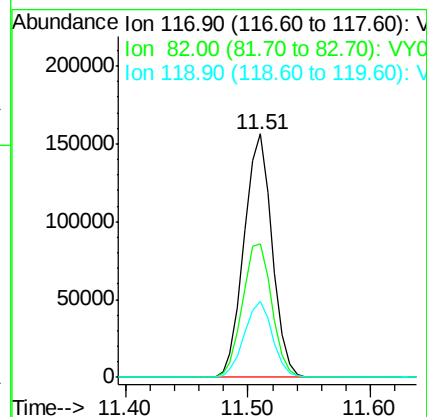
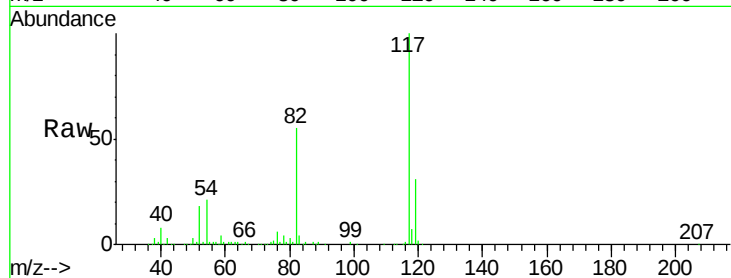




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002123.D
Acq: 31 Mar 2020 11:18

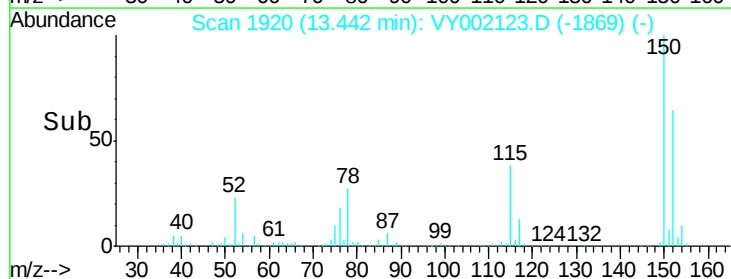
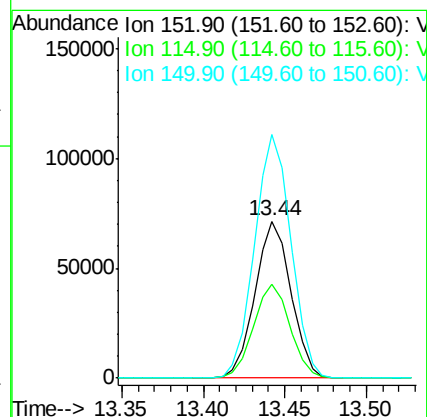
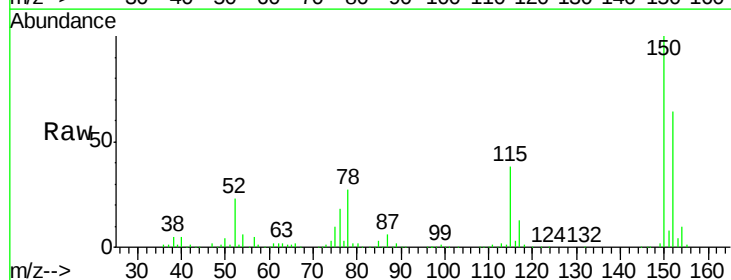
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

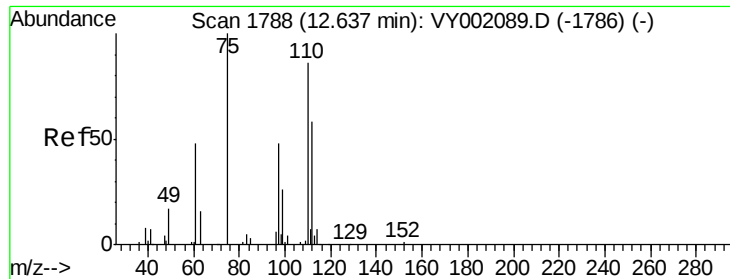
Tgt Ion:117 Resp: 247964
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.2
119 31.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY002123.D
Acq: 31 Mar 2020 11:18

Tgt Ion:152 Resp: 109352
Ion Ratio Lower Upper
152 100
115 60.6 31.2 93.6
150 157.5 0.0 354.8

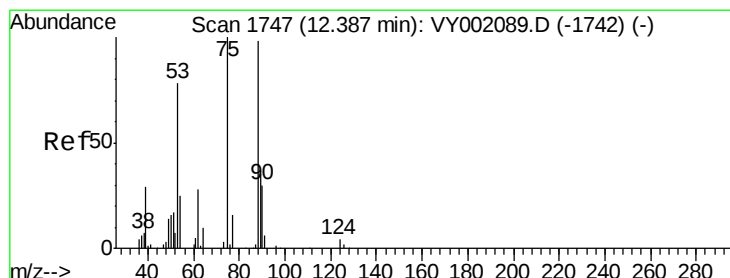
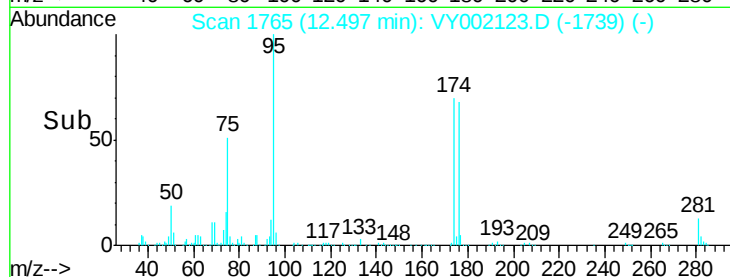
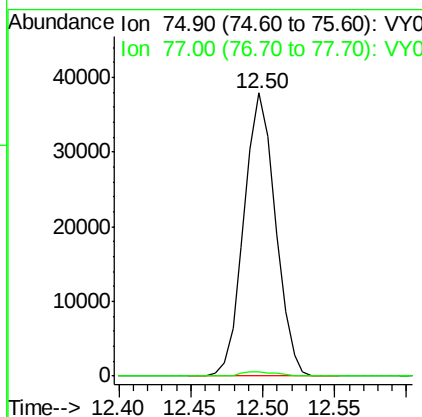
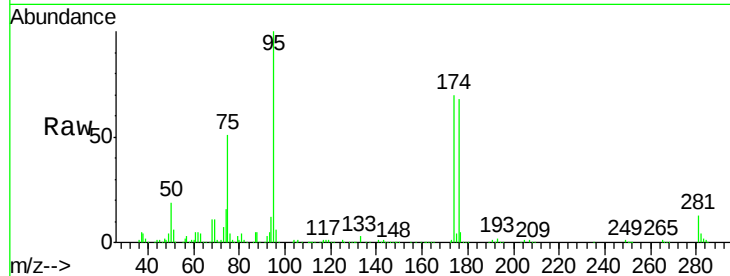




#76
 1,2,3-Trichloropropane
 Concen: 47.15 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.14 min
 Lab File: VY002123.D
 Acq: 31 Mar 2020 11:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBL01

Tgt Ion: 75 Resp: 57668
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.34 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.11 min
 Lab File: VY002123.D
 Acq: 31 Mar 2020 11:18

Tgt Ion: 75 Resp: 57668
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.0 97.4#
 89 0.6 33.4 50.0#

