

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001076.D
 Acq On : 26 Dec 2019 16:42
 Operator : SY/MD
 Sample : K6431-12
 Misc : 4.62G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1-(4-5)

Quant Time: Dec 27 02:12:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

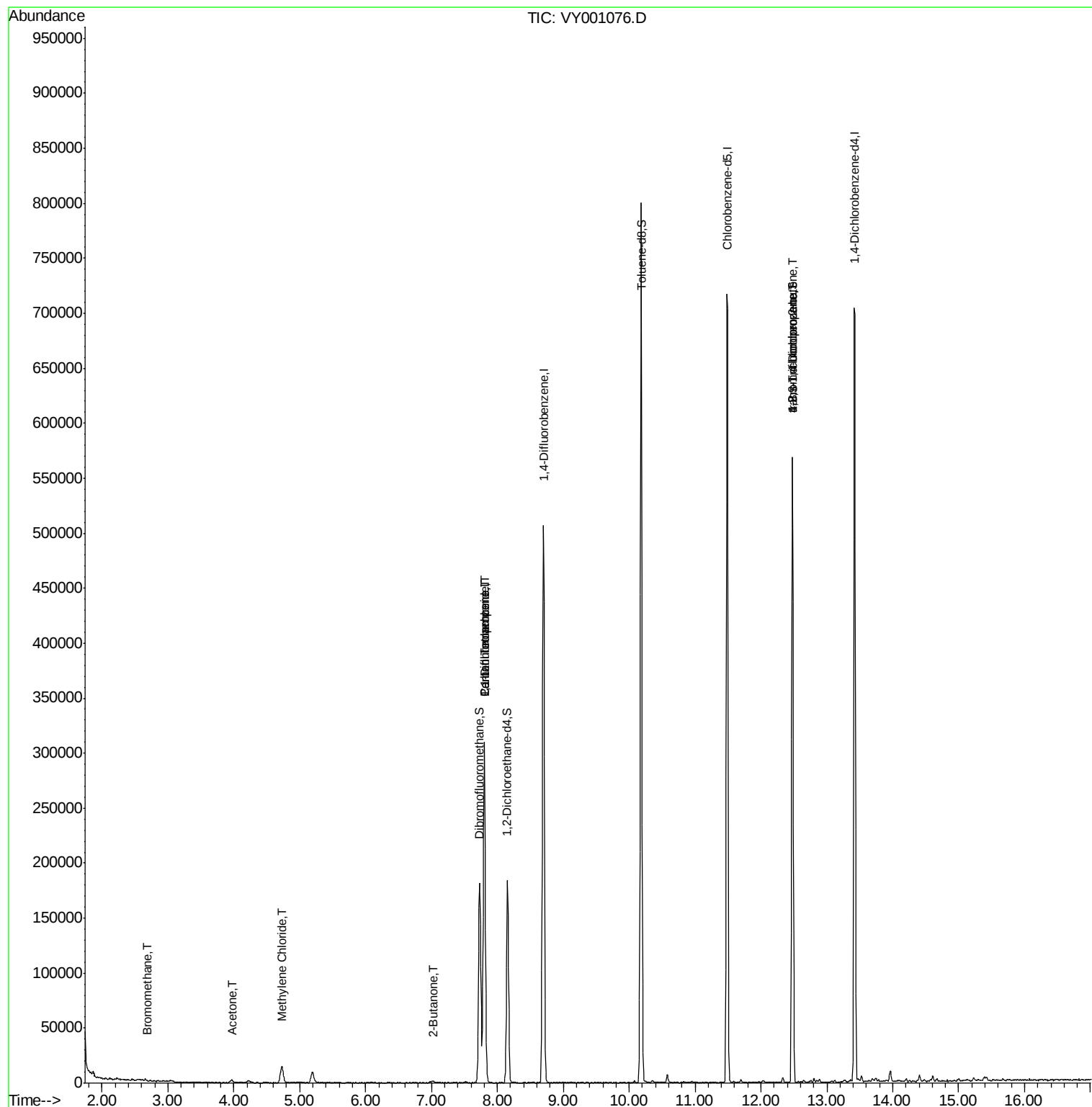
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	240014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	456621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	407743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	181685	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	133513	56.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.80%	
35) Dibromofluoromethane	7.73	113	133295	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
50) Toluene-d8	10.18	98	534600	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.48	95	176118	45.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.68%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.68	94	555	1.027	ug/l #	65
16) Acetone	3.97	43	4617	8.466	ug/l	100
20) Methylene Chloride	4.73	84	12141	3.782	ug/l	82
25) 2-Butanone	7.02	43	1326	1.384	ug/l #	75
36) 1,1-Dichloropropene	7.80	75	18197	4.177	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23695	6.208	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	88935	39.707	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88935	84.685	ug/l #	19

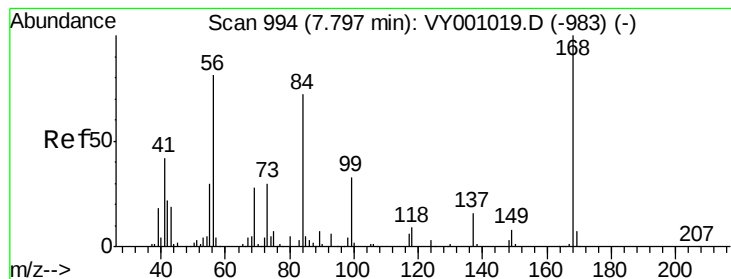
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001076.D

Acq: 26 Dec 2019 16:42

Instrument :

MSVOA_Y

ClientSampleId :

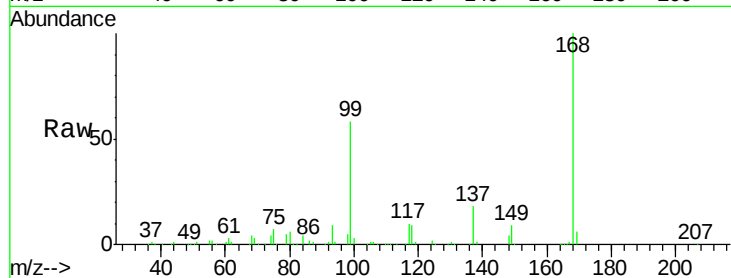
SB-1-(4-5)

Tgt Ion:168 Resp: 240014

Ion Ratio Lower Upper

168 100

99 57.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

120000

100000

80000

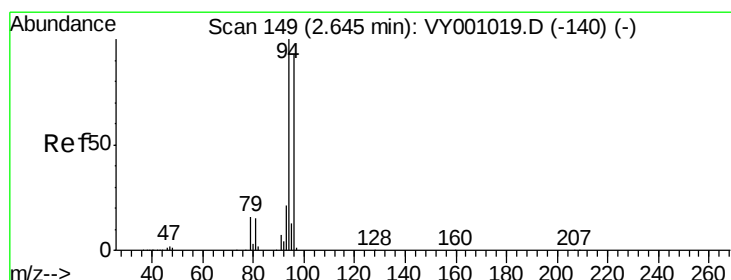
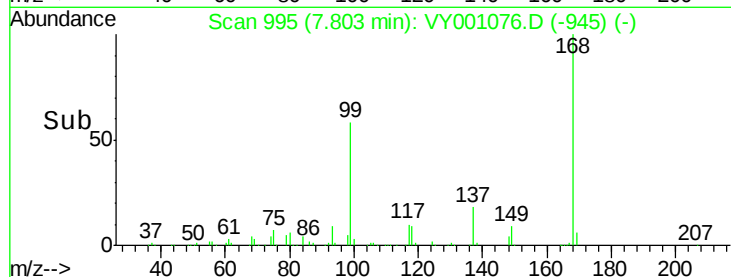
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 1.027 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.03 min

Lab File: VY001076.D

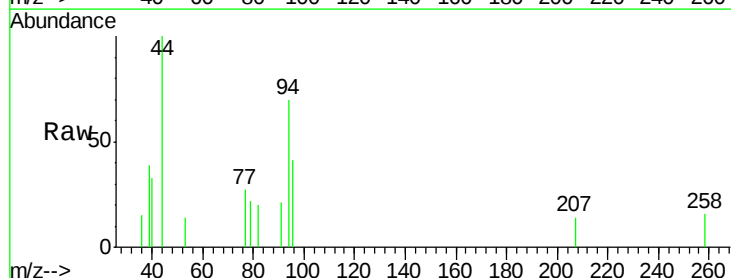
Acq: 26 Dec 2019 16:42

Tgt Ion: 94 Resp: 555

Ion Ratio Lower Upper

94 100

96 58.9 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VY001019.D (-140) (-)

Ion 95.90 (95.60 to 96.60): VY001019.D (-140) (-)

2.68

500

400

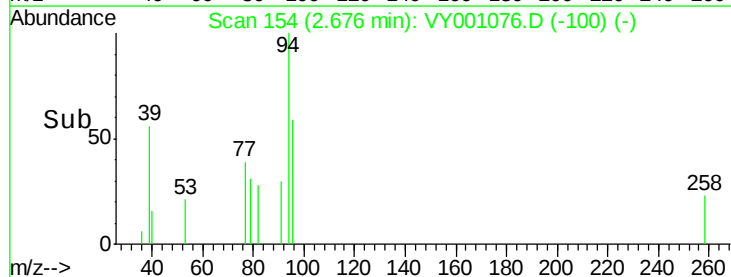
300

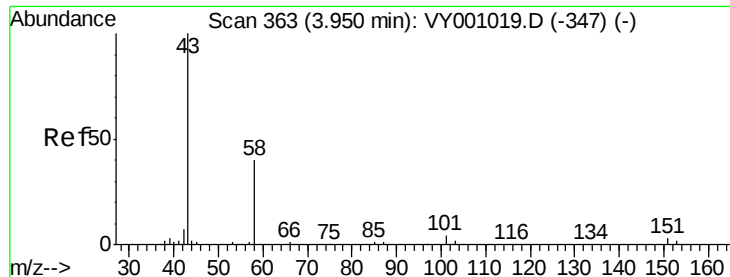
200

100

0

Time-->





#16

Acetone

Concen: 8.466 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

Instrument :

MSVOA_Y

ClientSampleId :

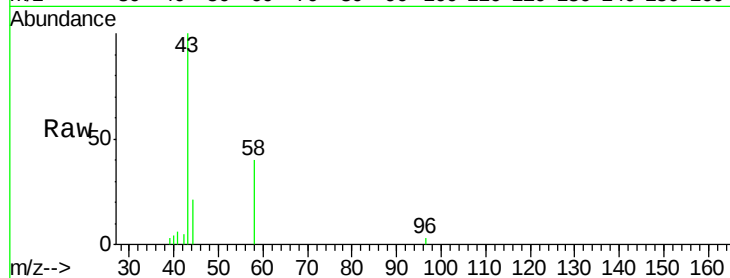
SB-1-(4-5)

Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

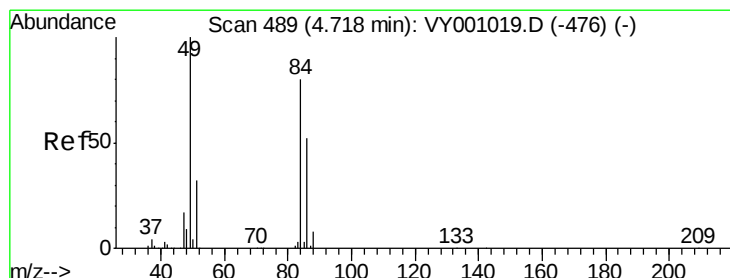
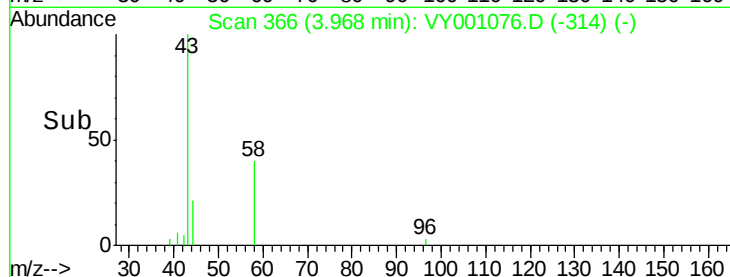
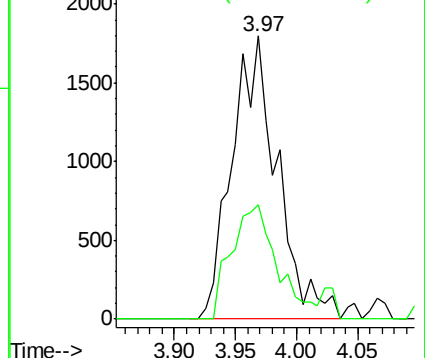
43 100

58 40.3 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)



#20

Methylene Chloride

Concen: 3.782 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

Tgt Ion: 84 Resp: 12141

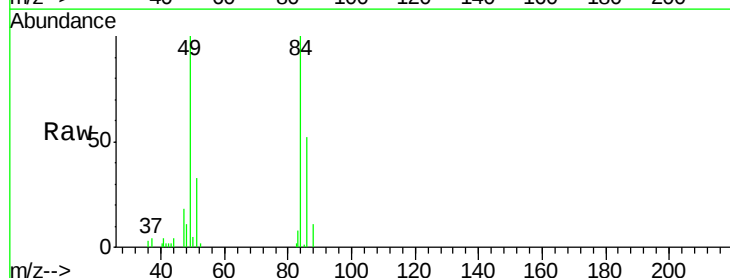
Ion Ratio Lower Upper

84 100

49 100.3 99.8 149.6

51 33.0 31.4 47.2

86 52.4 52.2 78.2

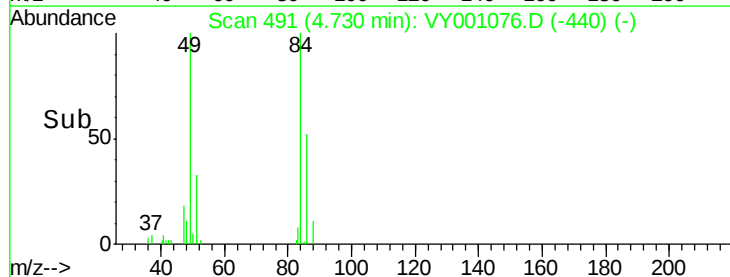
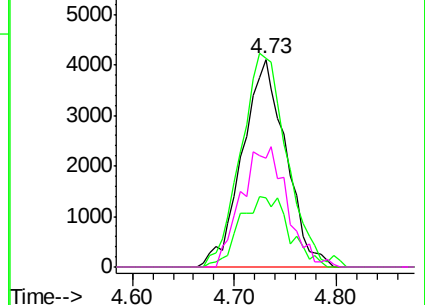


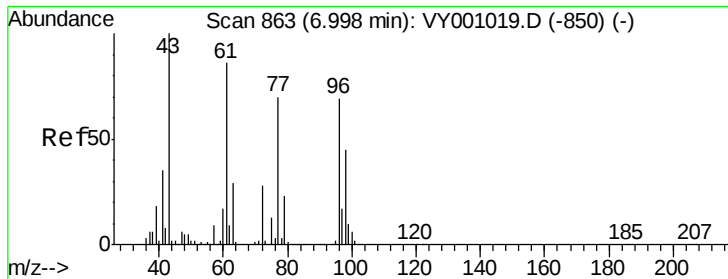
Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001019.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY001019.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY001019.D (-476) (-)





#25

2-Butanone

Concen: 1.384 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

Instrument :

MSVOA_Y

ClientSampleId :

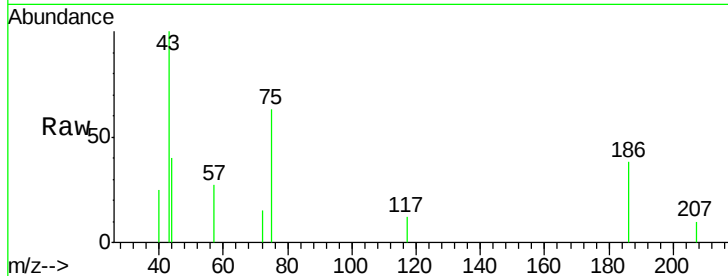
SB-1-(4-5)

Tgt Ion: 43 Resp: 1326

Ion Ratio Lower Upper

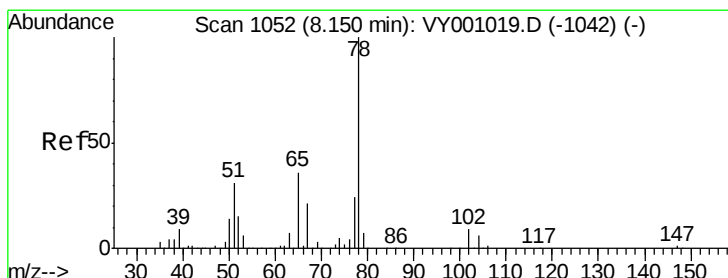
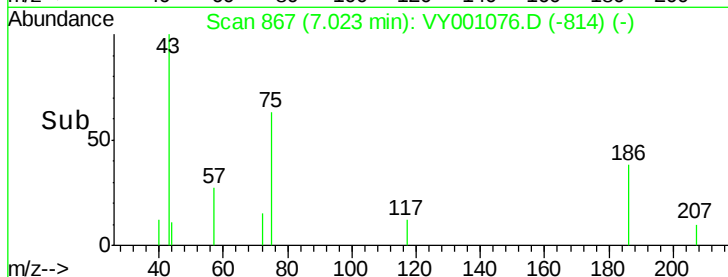
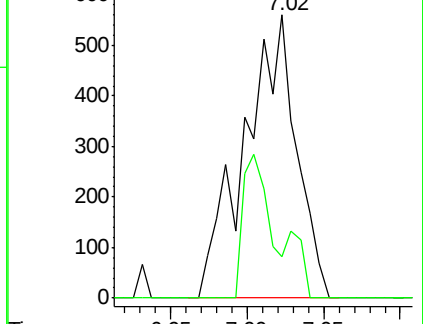
43 100

72 14.6 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 56.401 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY001076.D

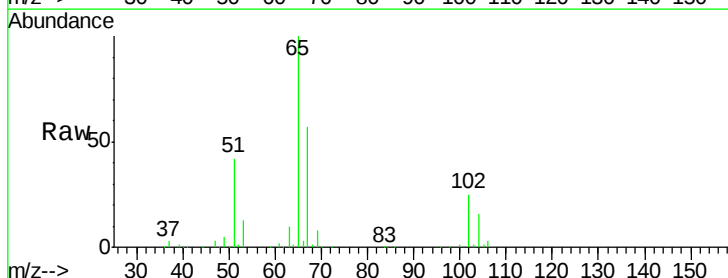
Acq: 26 Dec 2019 16:42

Tgt Ion: 65 Resp: 133513

Ion Ratio Lower Upper

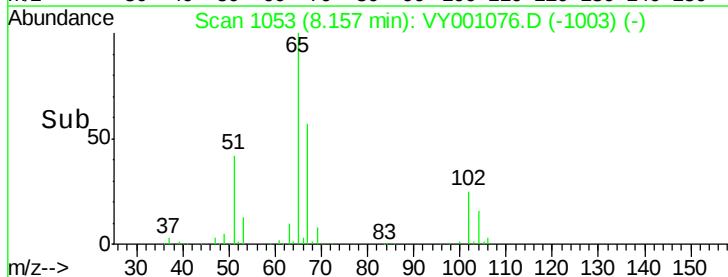
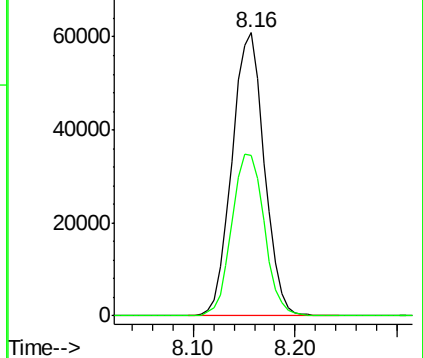
65 100

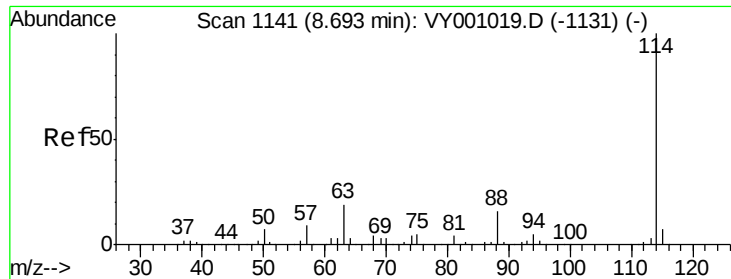
67 57.5 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

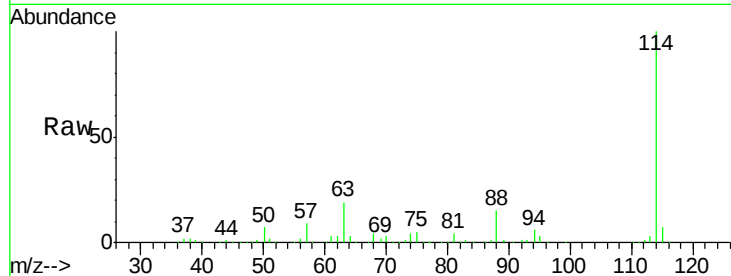




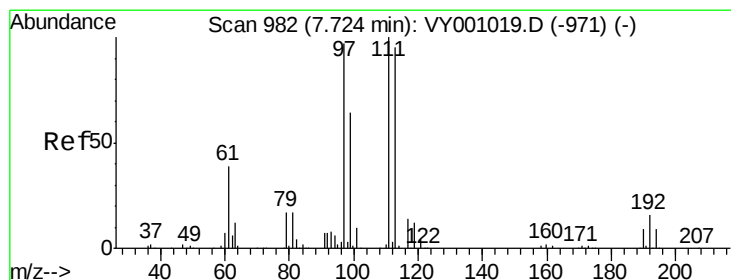
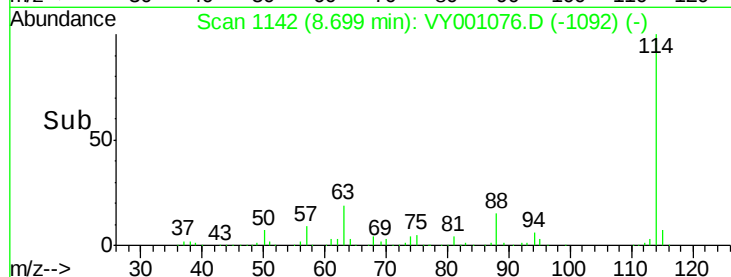
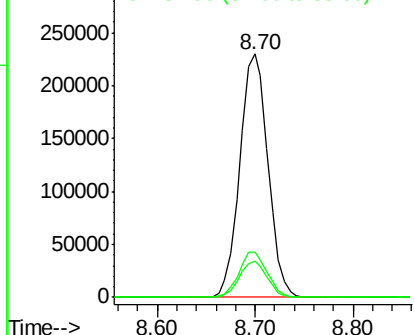
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001076.D
 Acq: 26 Dec 2019 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1-(4-5)

Tgt Ion:114 Resp: 456621
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 15.0 0.0 32.0

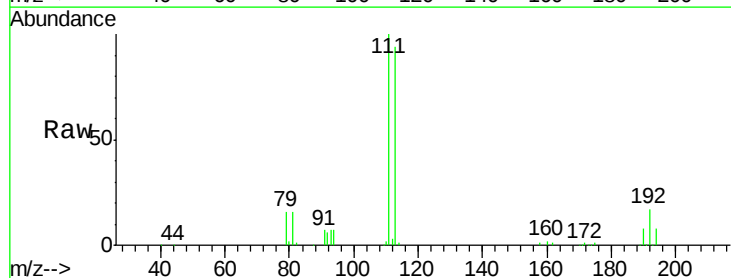


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

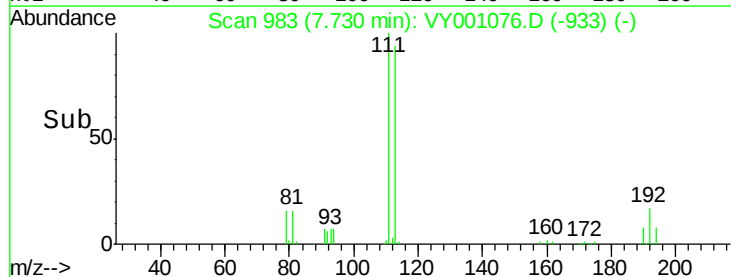
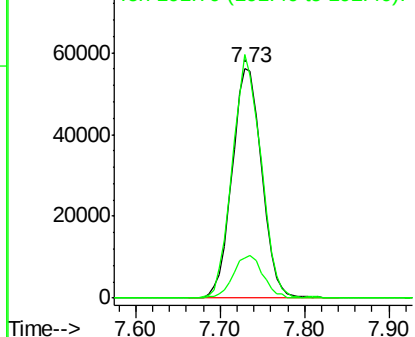


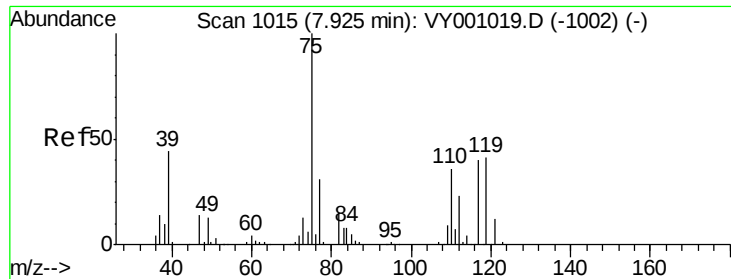
#35
 Dibromofluoromethane
 Concen: 49.573 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001076.D
 Acq: 26 Dec 2019 16:42

Tgt Ion:113 Resp: 133295
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.4
 192 18.6 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

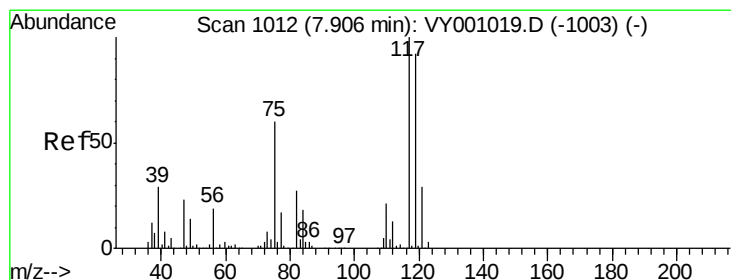
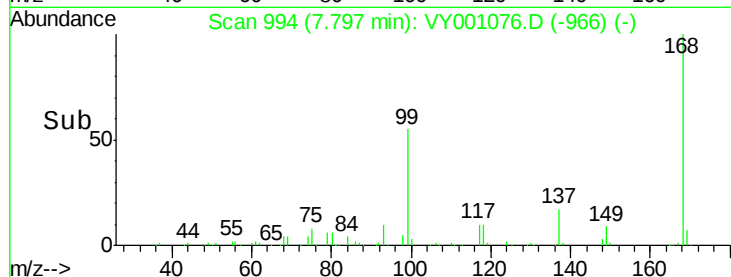
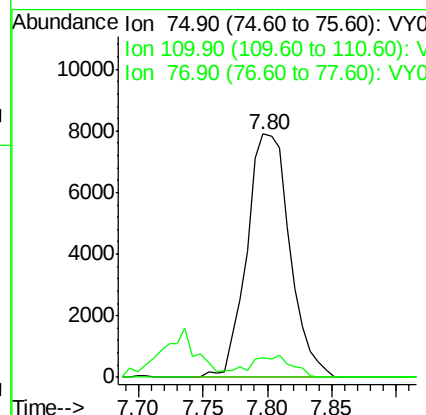
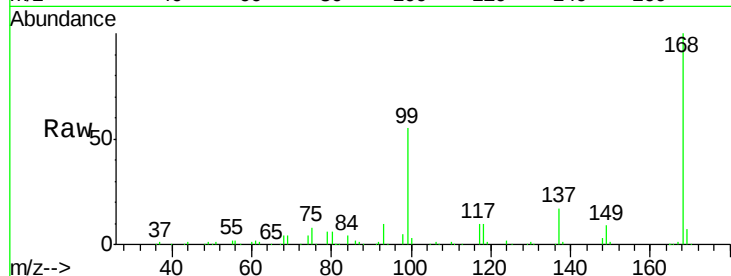




#36
 1,1-Dichloropropene
 Concen: 4.177 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001076.D
 Acq: 26 Dec 2019 16:42

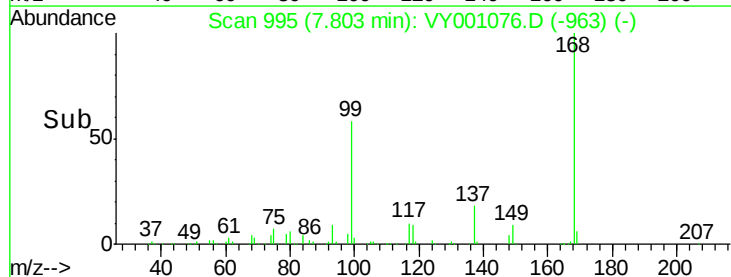
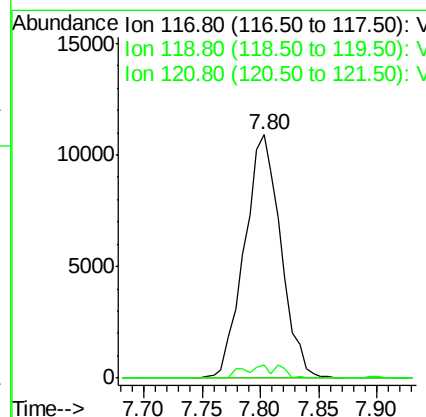
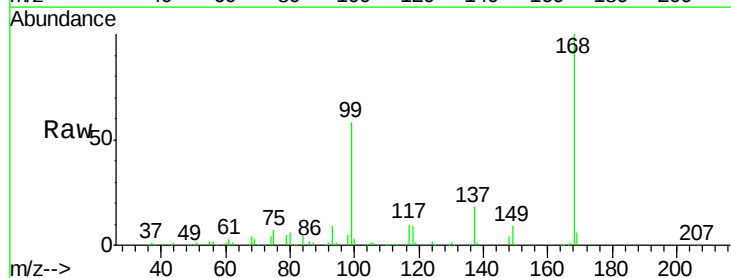
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1-(4-5)

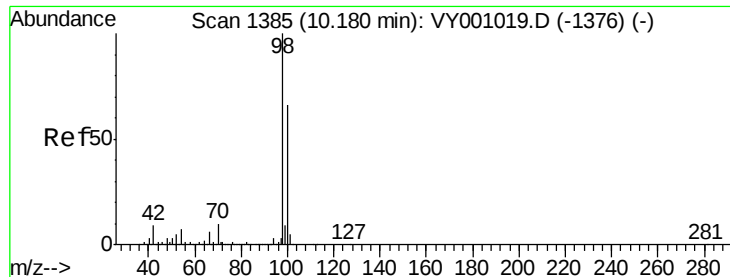
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.208 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY001076.D
 Acq: 26 Dec 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	74.2	111.2#
121	0.0	22.9	34.3#





#50

Toluene-d8

Concen: 50.876 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

Instrument :

MSVOA_Y

ClientSampleId :

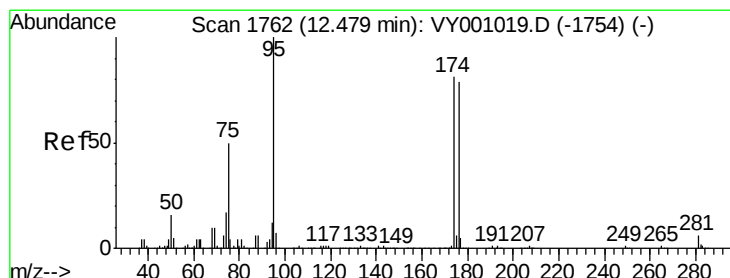
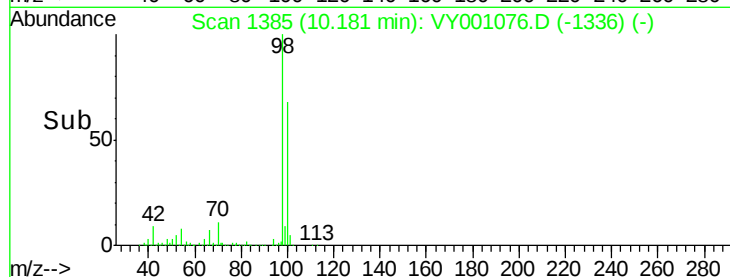
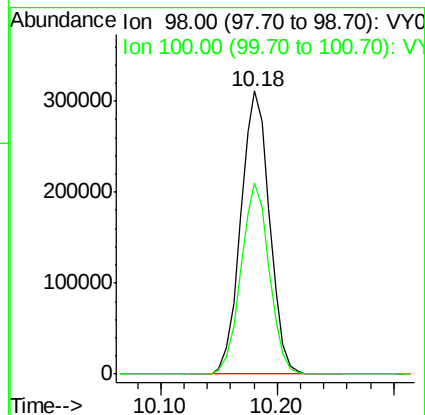
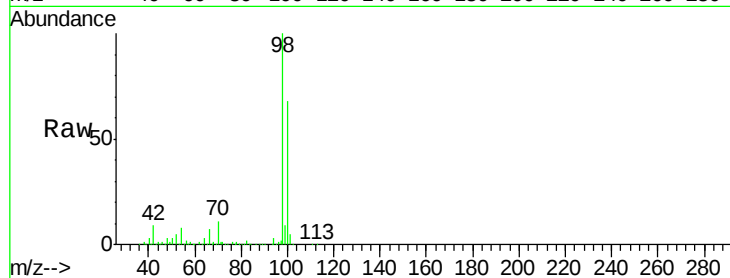
SB-1-(4-5)

Tgt Ion: 98 Resp: 534600

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 45.842 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

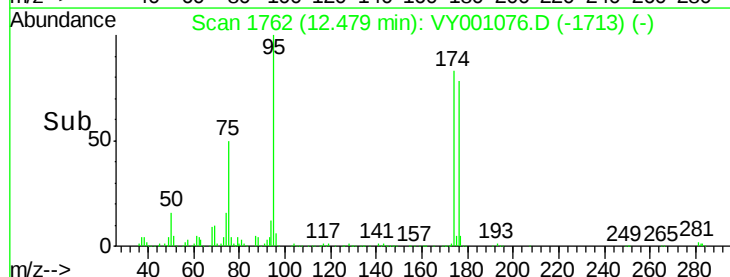
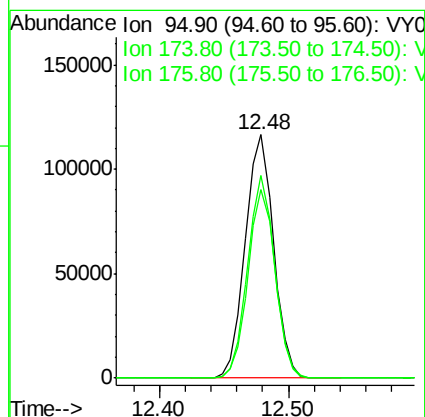
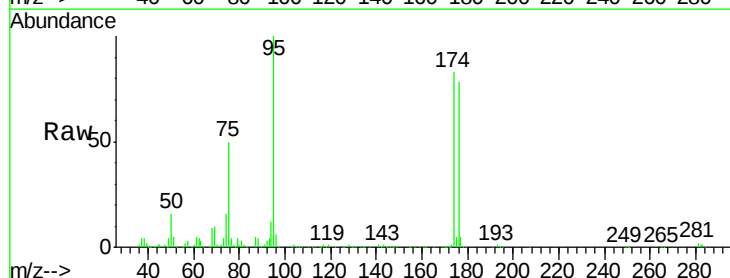
Tgt Ion: 95 Resp: 176118

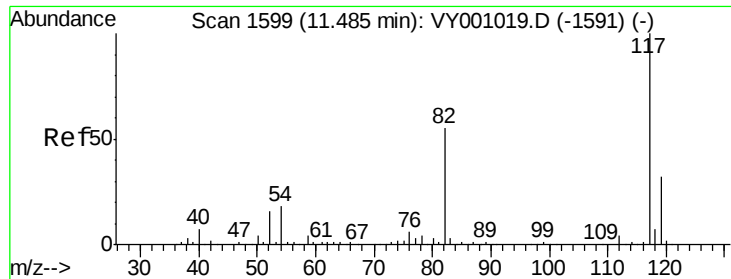
Ion Ratio Lower Upper

95 100

174 79.2 0.0 156.4

176 75.0 0.0 155.0

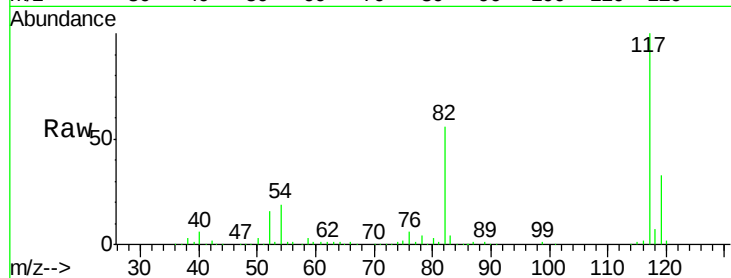




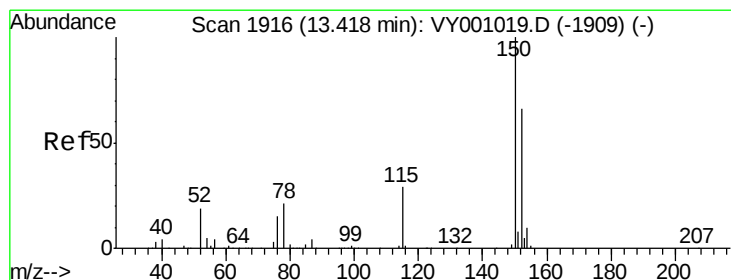
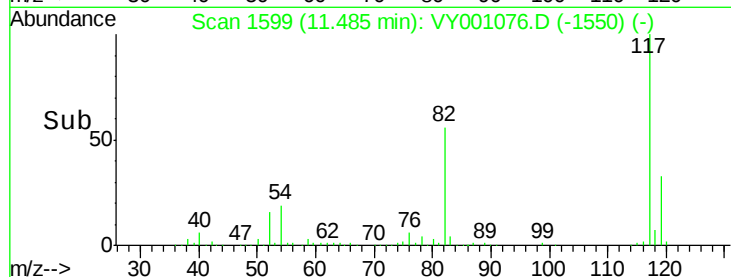
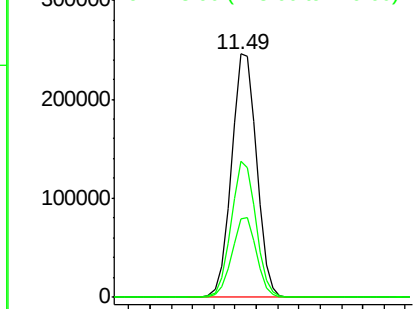
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001076.D
Acq: 26 Dec 2019 16:42

Instrument :
MSVOA_Y
ClientSampleId :
SB-1-(4-5)

Tgt Ion:117 Resp: 407743
Ion Ratio Lower Upper
117 100
82 56.0 43.8 65.8
119 32.5 25.8 38.6

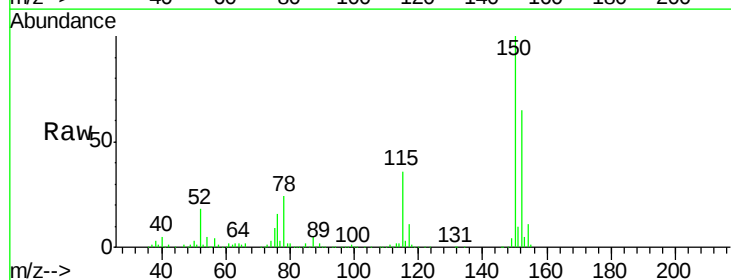


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

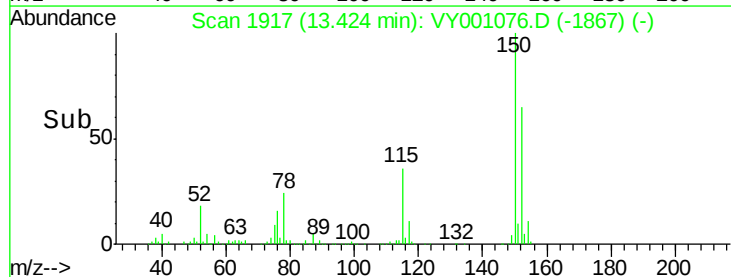
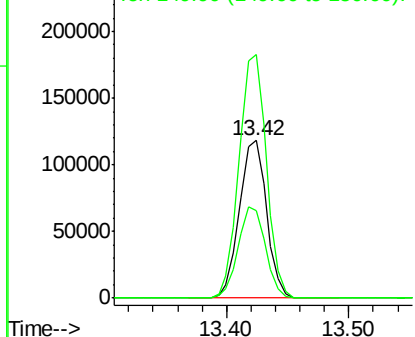


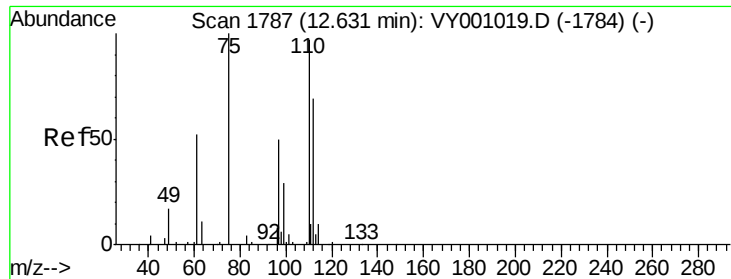
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001076.D
Acq: 26 Dec 2019 16:42

Tgt Ion:152 Resp: 181685
Ion Ratio Lower Upper
152 100
115 57.8 29.8 89.3
150 155.8 0.0 352.6



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





#76

1,2,3-Trichloropropane

Concen: 39.707 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

Instrument :

MSVOA_Y

ClientSampleId :

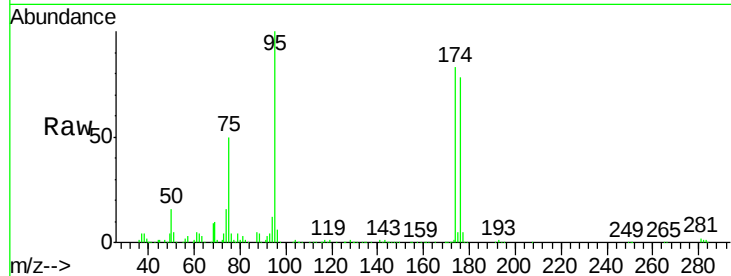
SB-1-(4-5)

Tgt Ion: 75 Resp: 88935

Ion Ratio Lower Upper

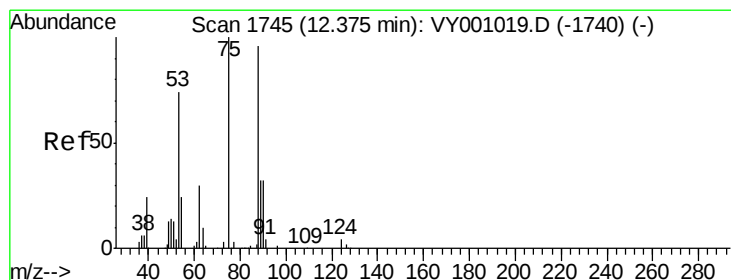
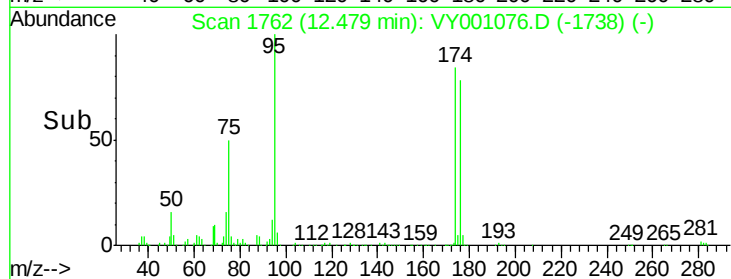
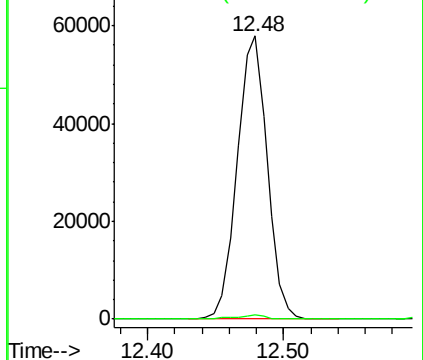
75 100

77 1.4 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: 84.685 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001076.D

Acq: 26 Dec 2019 16:42

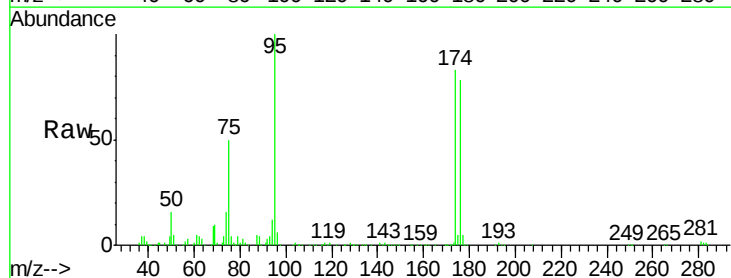
Tgt Ion: 75 Resp: 88935

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.1 35.4 53.0#



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

