

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001225.D
 Acq On : 15 Jan 2020 17:52
 Operator : SY/MD
 Sample : L1127-03
 Misc : 6.79G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 QVD-SB-02-2-2.5

Quant Time: Jan 16 04:52:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	168409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	295107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	251566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91519	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	90014	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
35) Dibromofluoromethane	7.73	113	85338	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.18	98	346884	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.48	95	109407	40.20	ug/l	0.00
Spiked Amount			Recovery	=	80.40%	

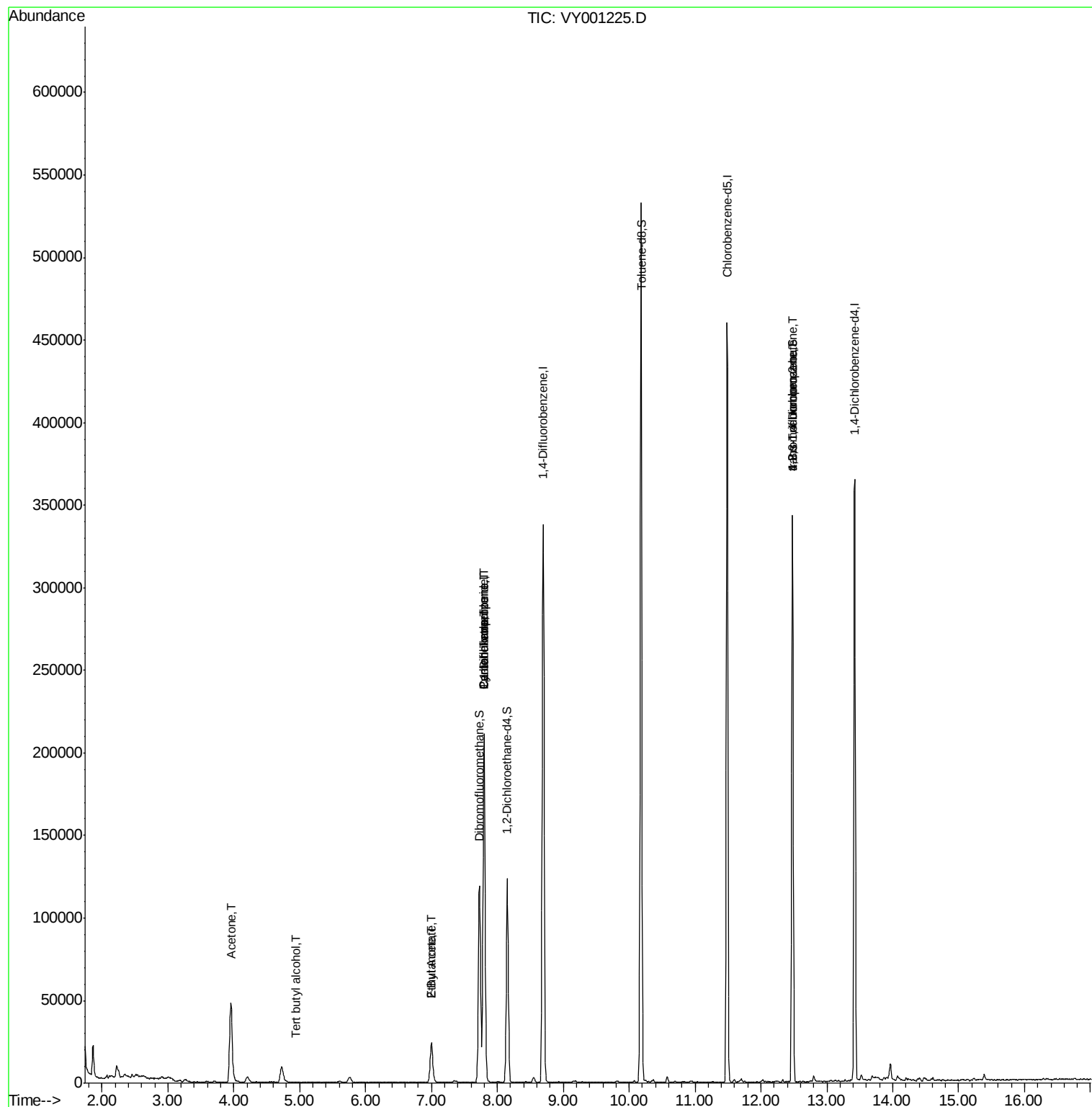
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	372	2.079	ug/l #	73
16) Acetone	3.96	43	83230	201.483	ug/l	94
20) Methylene Chloride	4.72	84	7131	Below Cal		96
25) 2-Butanone	7.00	43	39941	62.125	ug/l	96
31) Cyclohexane	7.80	56	3512	1.021	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12555	4.668	ug/l #	48
37) Ethyl Acetate	7.00	43	39941	25.303	ug/l #	67
38) Carbon Tetrachloride	7.80	117	15712	6.374	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	53359	54.464	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	53359	92.358	ug/l #	6

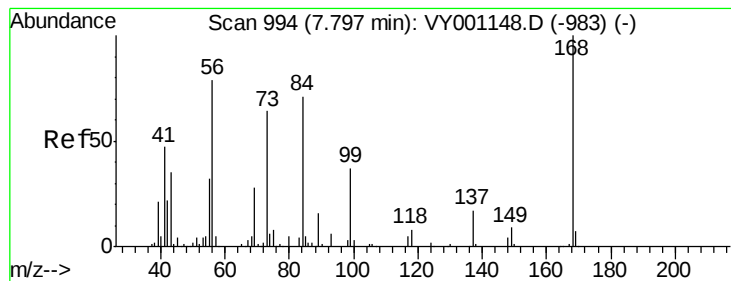
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

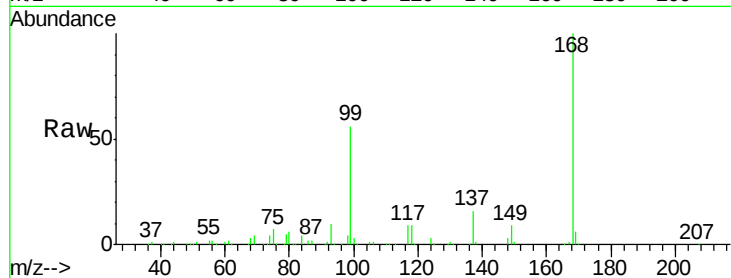
QVD-SB-02-2-2.5

Tgt Ion:168 Resp: 168409

Ion Ratio Lower Upper

168 100

99 55.6 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

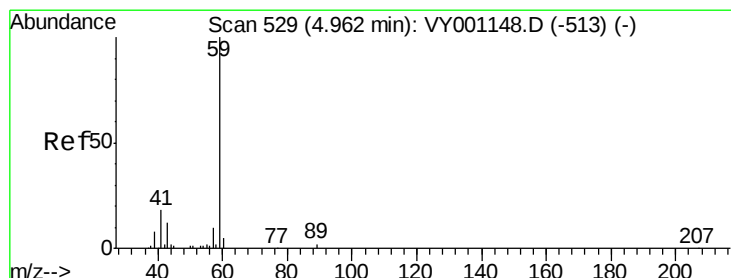
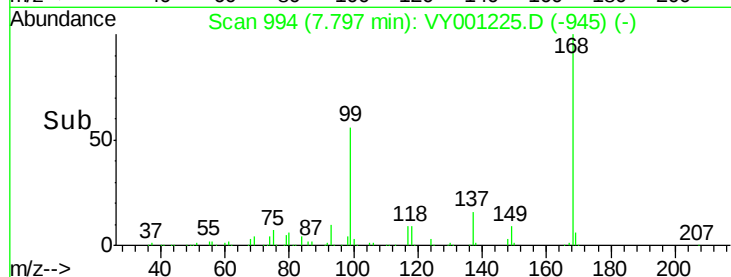
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 2.079 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY001225.D

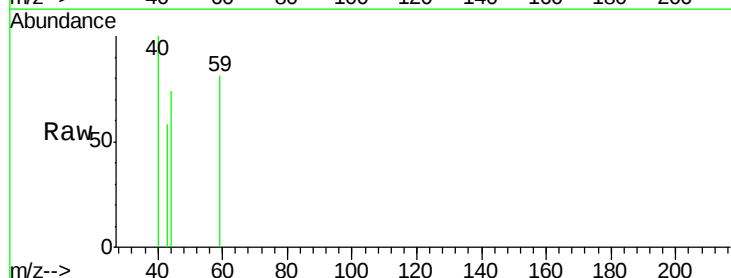
Acq: 15 Jan 2020 17:52

Tgt Ion: 59 Resp: 372

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)

4.94

200

150

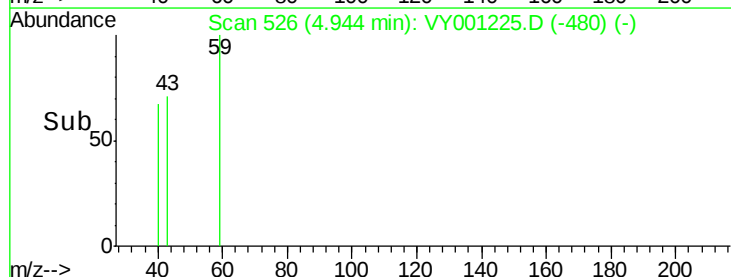
100

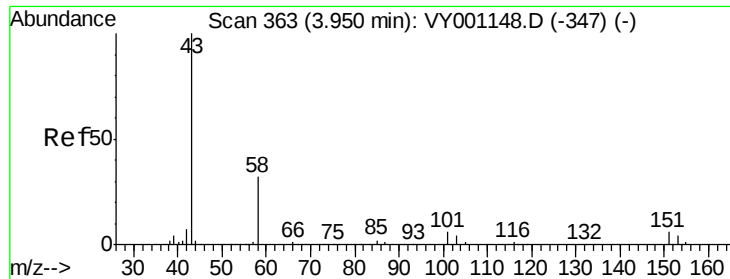
50

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 201.483 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

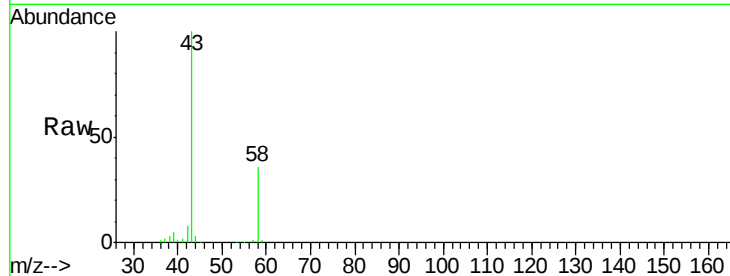
QVD-SB-02-2-2.5

Tgt Ion: 43 Resp: 83230

Ion Ratio Lower Upper

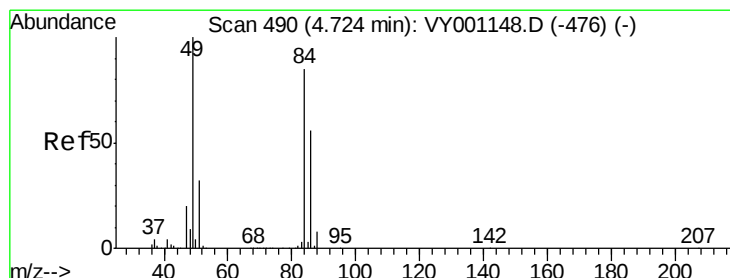
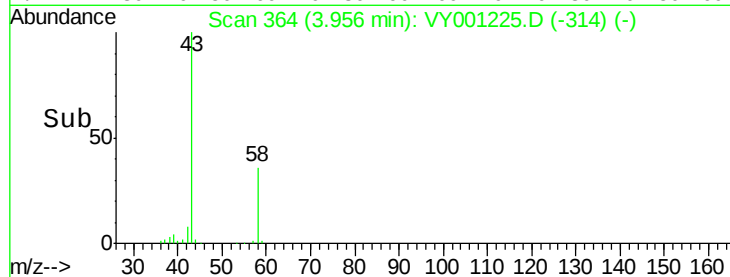
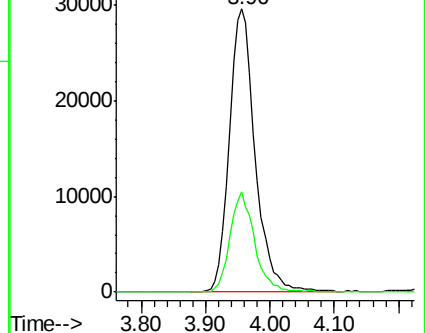
43 100

58 35.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Tgt Ion: 84 Resp: 7131

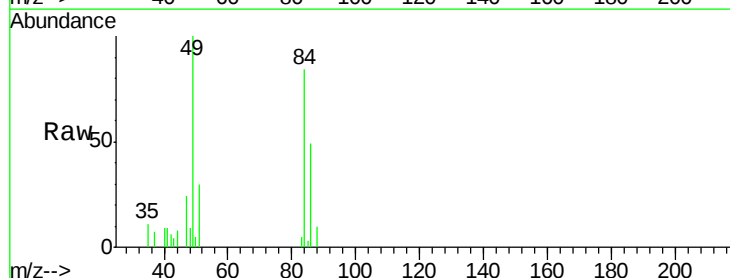
Ion Ratio Lower Upper

84 100

49 119.6 93.8 140.6

51 36.2 29.9 44.9

86 58.9 52.6 78.8

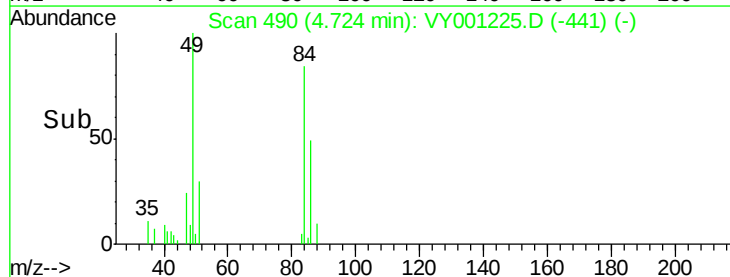
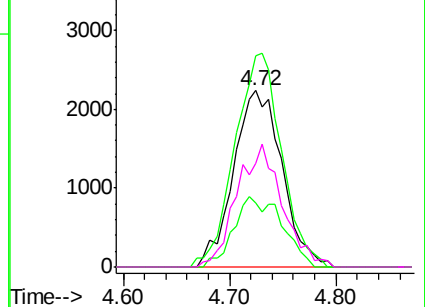


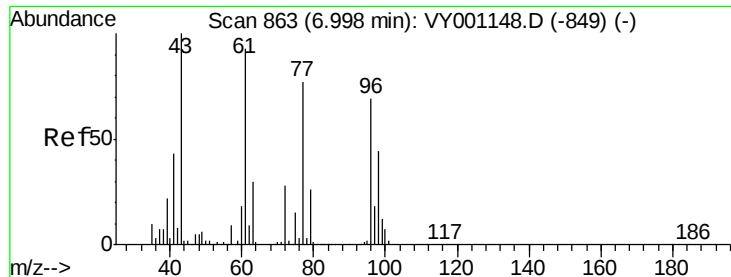
Abundance Ion 83.90 (83.60 to 84.60): VY001148.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001148.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY001148.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY001148.D (-476) (-)





#25

2-Butanone

Concen: 62.125 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

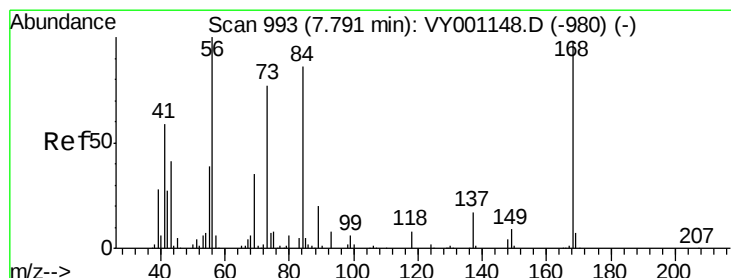
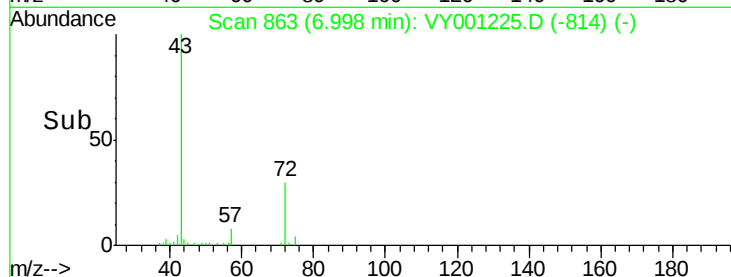
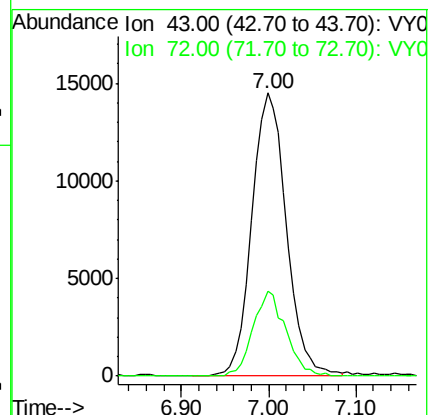
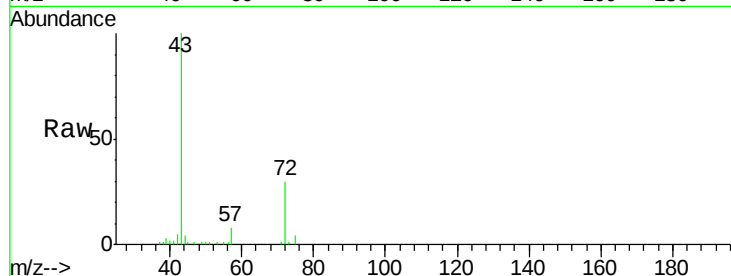
QVD-SB-02-2-2.5

Tgt Ion: 43 Resp: 39941

Ion Ratio Lower Upper

43 100

72 29.9 22.2 33.2



#31

Cyclohexane

Concen: 1.021 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

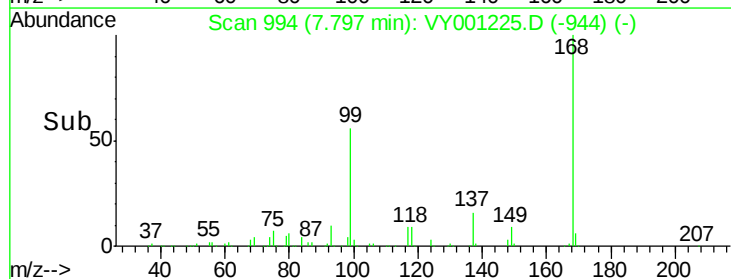
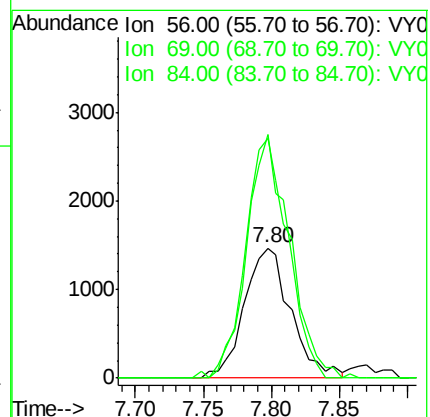
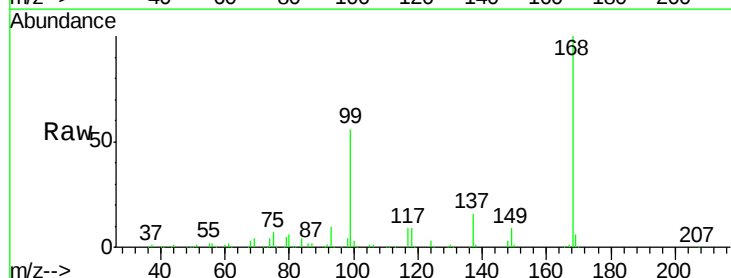
Tgt Ion: 56 Resp: 3512

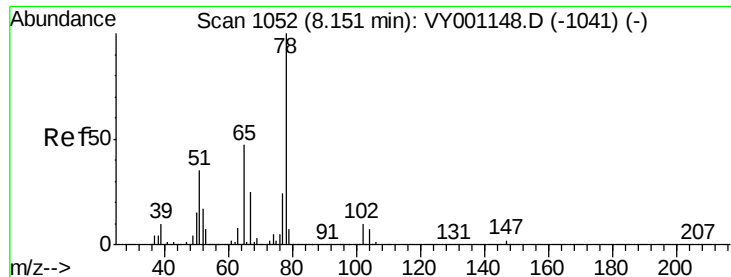
Ion Ratio Lower Upper

56 100

69 184.4 27.8 41.8#

84 186.9 68.9 103.3#

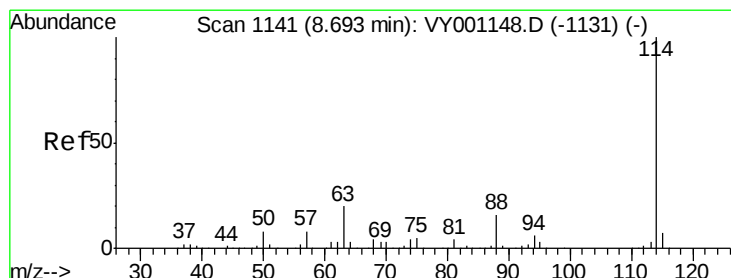
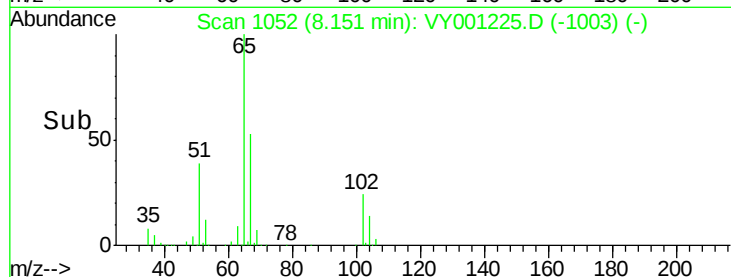
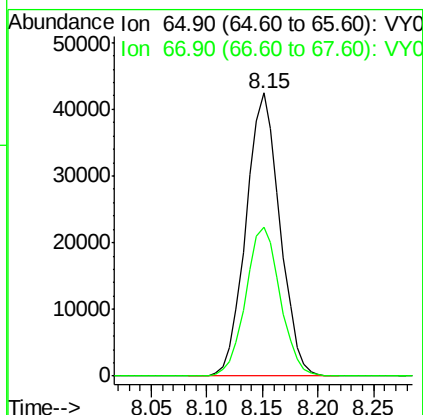
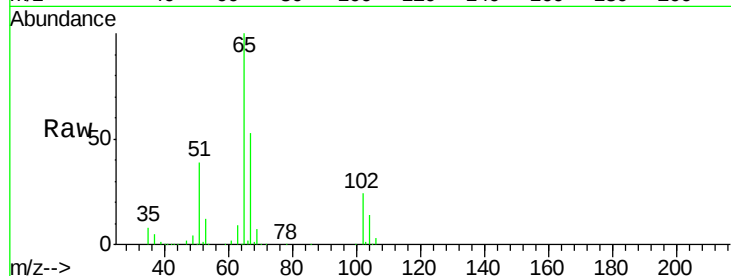




#33
 1,2-Dichloroethane-d4
 Concen: 50.607 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001225.D
 Acq: 15 Jan 2020 17:52

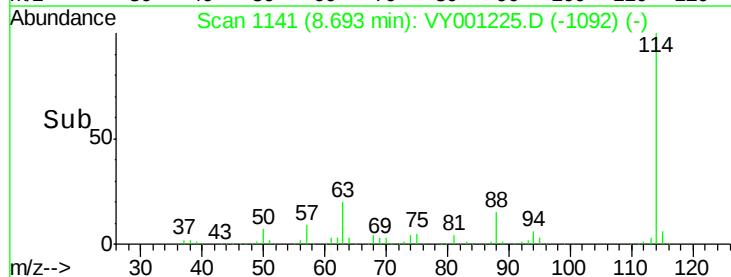
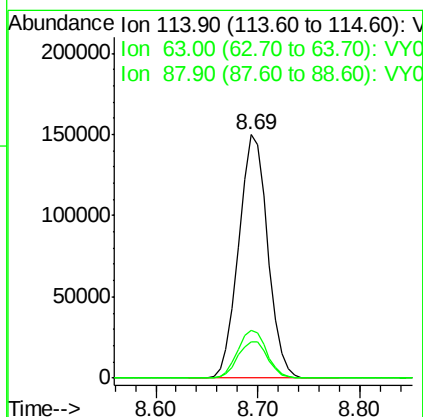
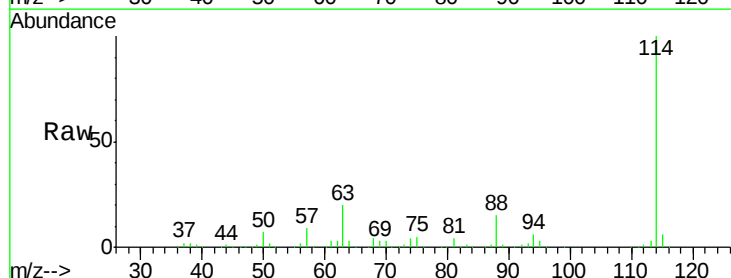
Instrument :
 MSVOA_Y
 ClientSampleId :
 QVD-SB-02-2-2.5

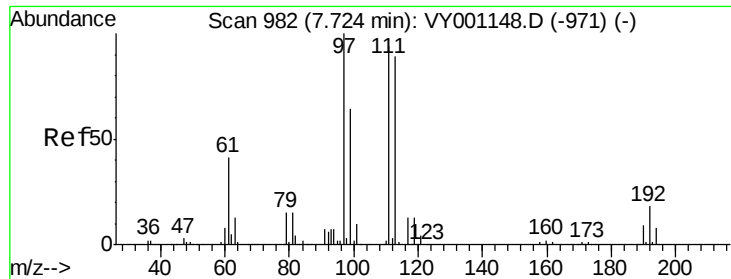
Tgt Ion: 65 Resp: 90014
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001225.D
 Acq: 15 Jan 2020 17:52

Tgt Ion: 114 Resp: 295107
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 15.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.390 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

QVD-SB-02-2-2.5

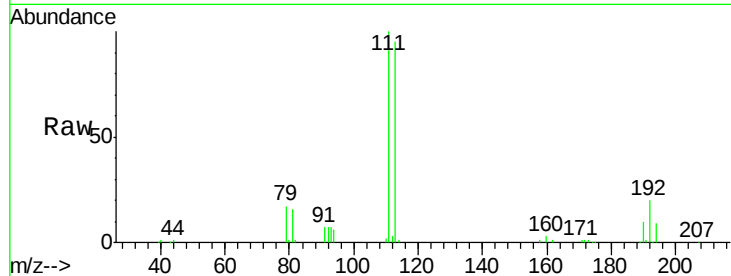
Tgt Ion:113 Resp: 85338

Ion Ratio Lower Upper

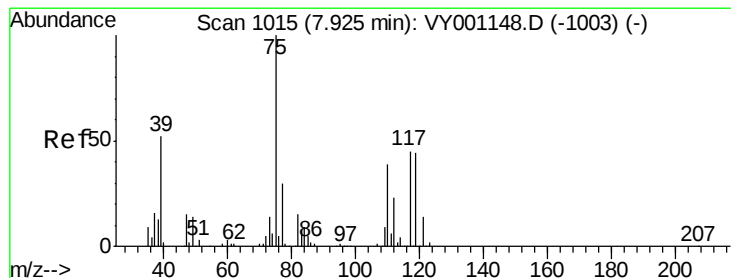
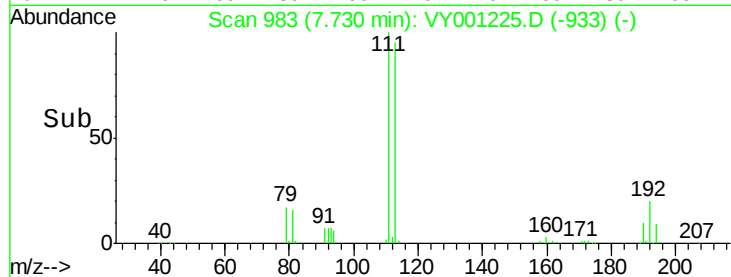
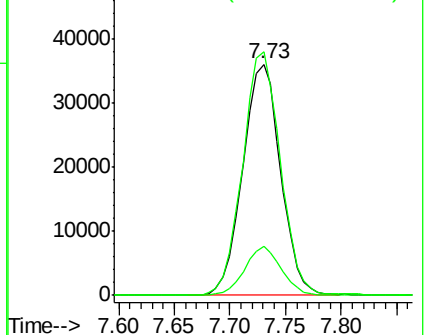
113 100

111 105.2 82.9 124.3

192 20.2 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.668 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

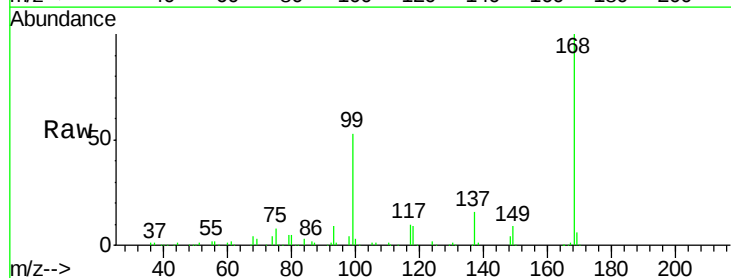
Tgt Ion: 75 Resp: 12555

Ion Ratio Lower Upper

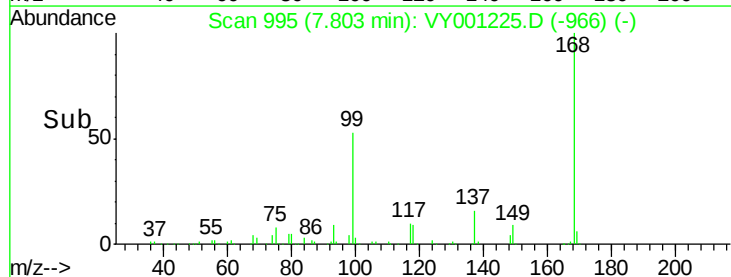
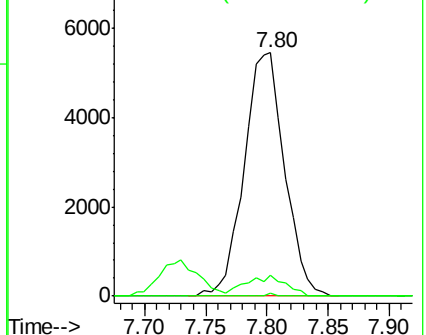
75 100

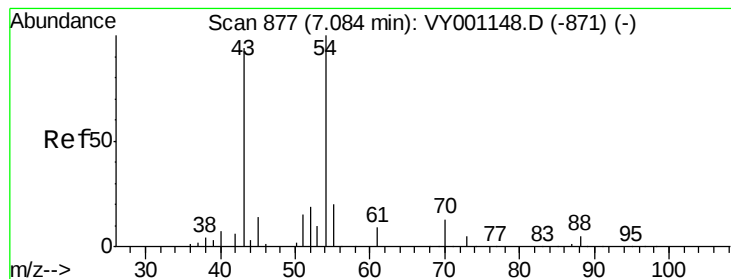
110 8.4 18.3 54.8#

77 0.2 25.1 37.7#



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





#37

Ethyl Acetate

Concen: 25.303 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.09 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Instrument :

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QVD-SB-02-2-2.5

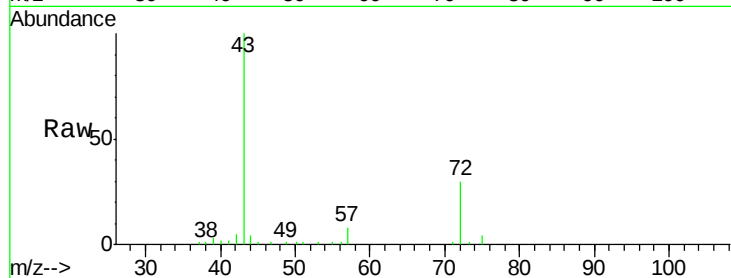
Tgt Ion: 43 Resp: 39941

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

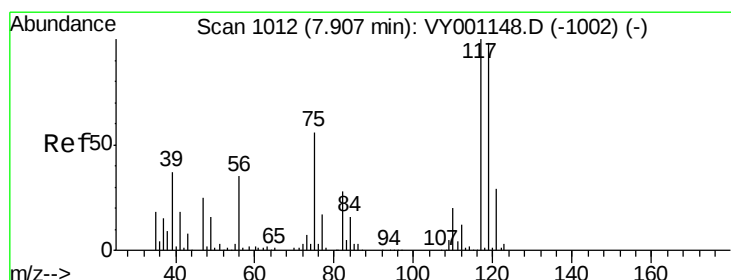
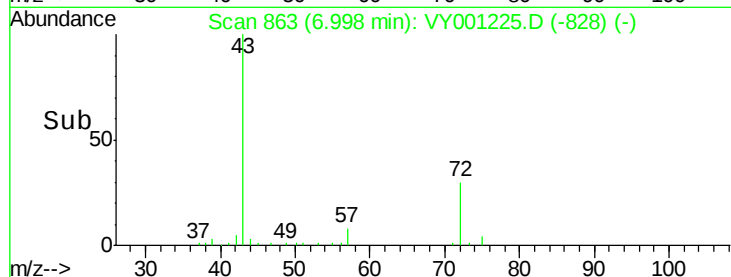
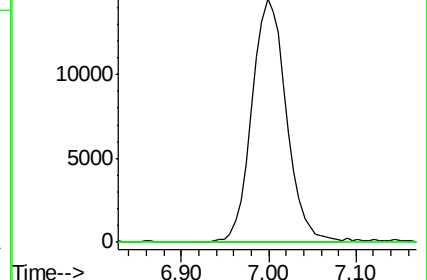
70 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-871) (-)

Ion 60.90 (60.60 to 61.60): VY001148.D (-871) (-)

Ion 70.00 (69.70 to 70.70): VY001148.D (-871) (-)



#38

Carbon Tetrachloride

Concen: 6.374 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

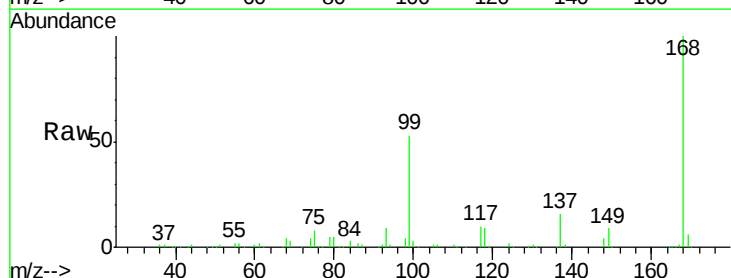
Tgt Ion: 117 Resp: 15712

Ion Ratio Lower Upper

117 100

119 5.1 78.3 117.5#

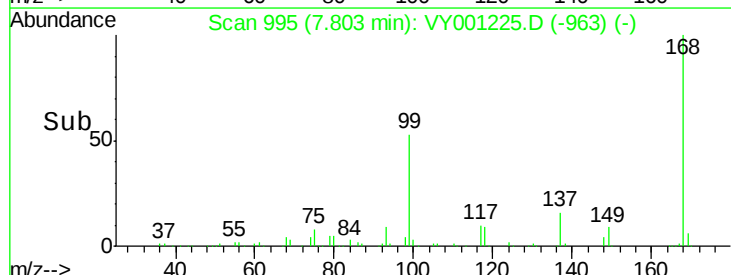
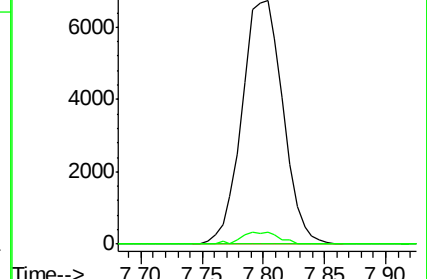
121 0.0 23.5 35.3#

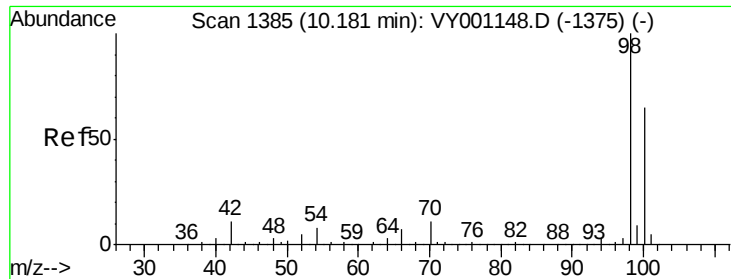


Abundance Ion 116.80 (116.50 to 117.50): VY001148.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY001148.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY001148.D (-1002) (-)





#50

Toluene-d8

Concen: 52.103 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

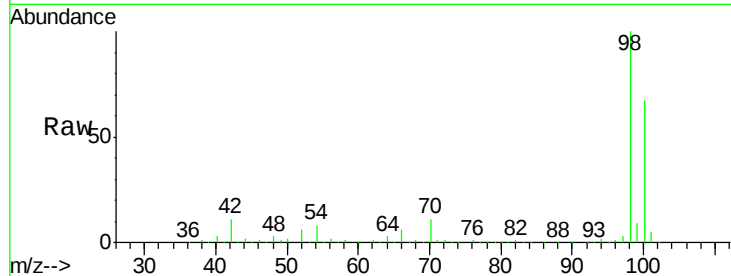
QVD-SB-02-2-2.5

Tgt Ion: 98 Resp: 346884

Ion Ratio Lower Upper

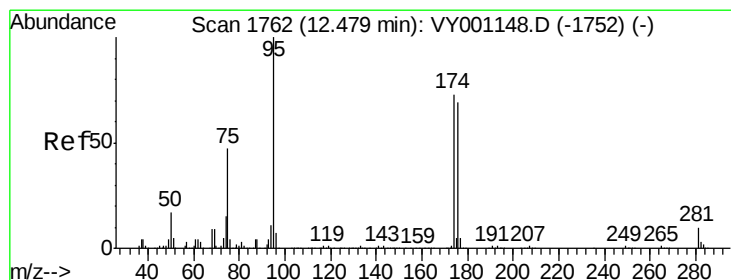
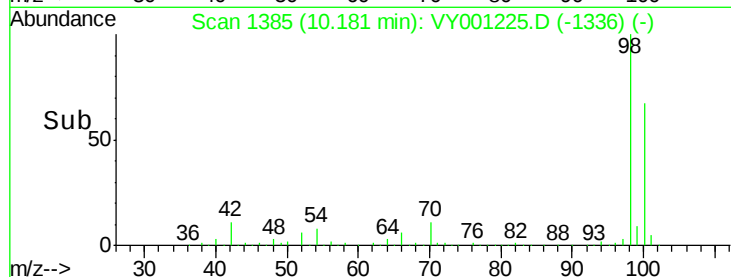
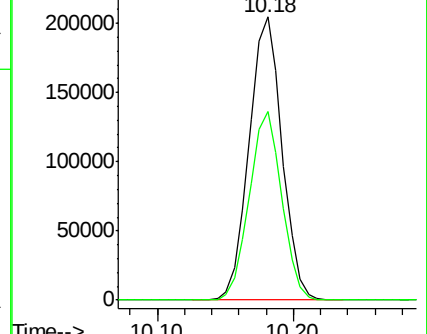
98 100

100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 40.196 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

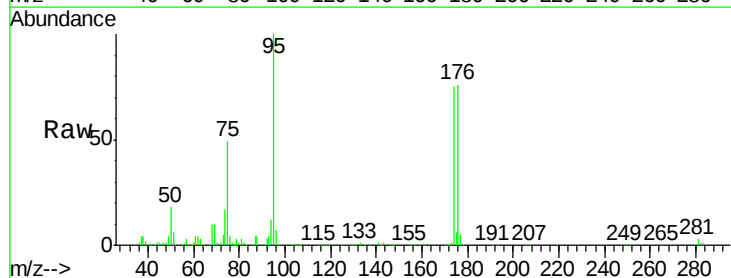
Tgt Ion: 95 Resp: 109407

Ion Ratio Lower Upper

95 100

174 76.2 0.0 143.2

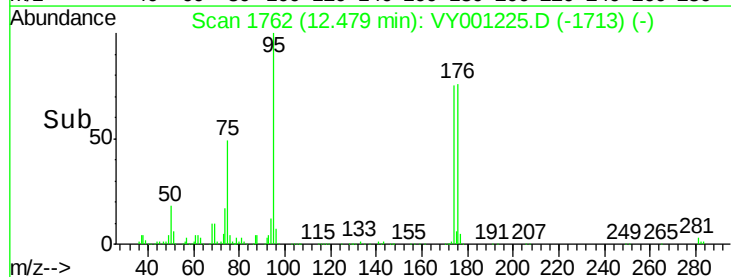
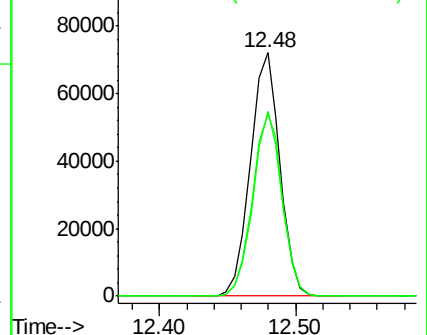
176 73.6 0.0 136.0

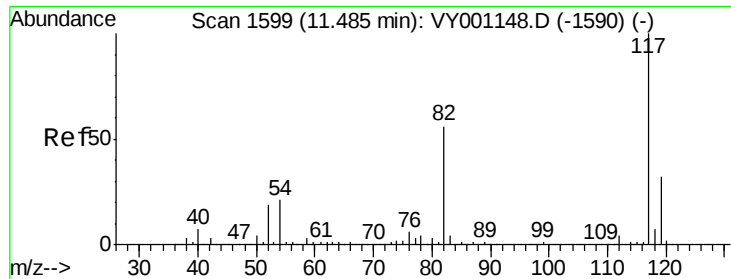


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

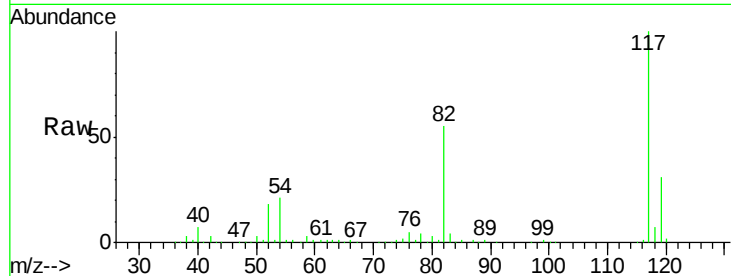




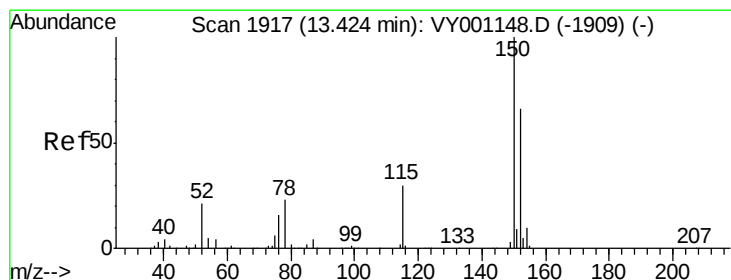
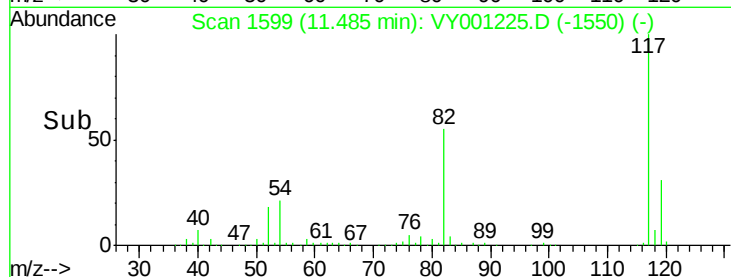
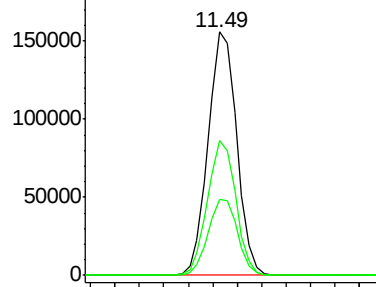
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001225.D
Acq: 15 Jan 2020 17:52

Instrument :
MSVOA_Y
ClientSampleId :
QVD-SB-02-2-2.5

Tgt Ion:117 Resp: 251566
Ion Ratio Lower Upper
117 100
82 55.3 44.9 67.3
119 31.4 25.7 38.5

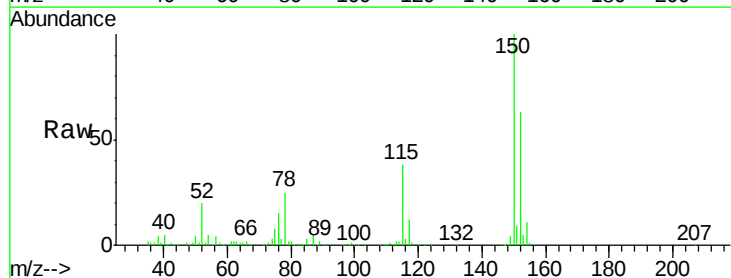


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

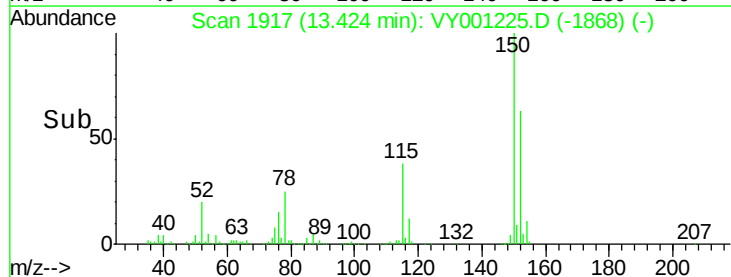
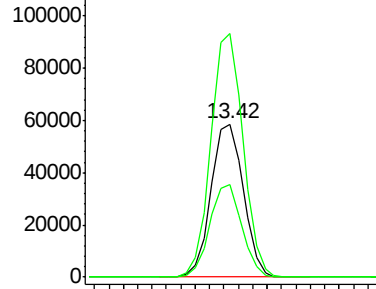


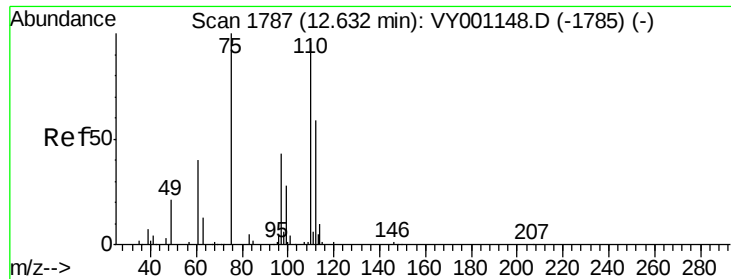
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001225.D
Acq: 15 Jan 2020 17:52

Tgt Ion:152 Resp: 91519
Ion Ratio Lower Upper
152 100
115 59.6 30.9 92.5
150 157.3 0.0 346.8



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: 54.464 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

Instrument :

MSVOA_Y

ClientSampleId :

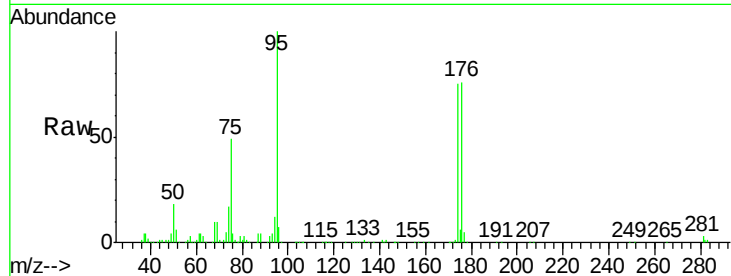
QVD-SB-02-2-2.5

Tgt Ion: 75 Resp: 53359

Ion Ratio Lower Upper

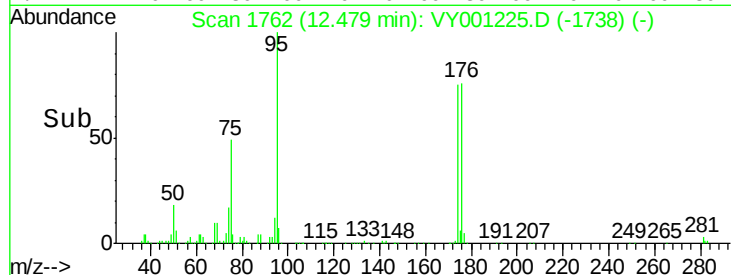
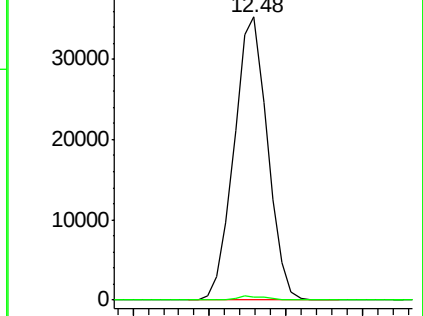
75 100

77 1.3 0.0 0.0#

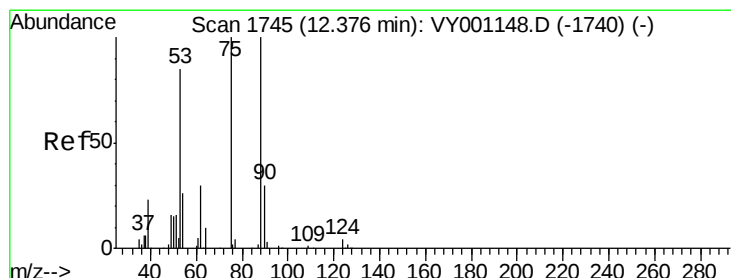


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 92.358 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001225.D

Acq: 15 Jan 2020 17:52

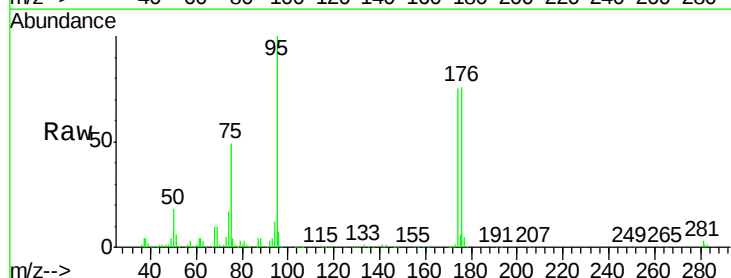
Tgt Ion: 75 Resp: 53359

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

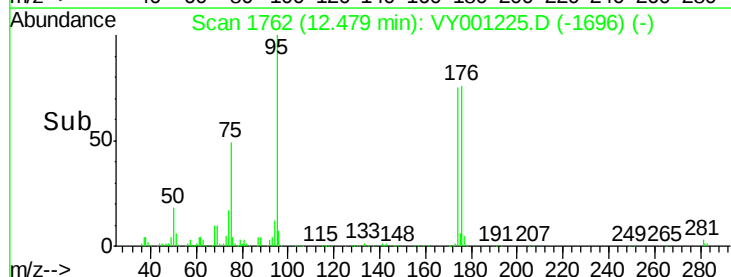
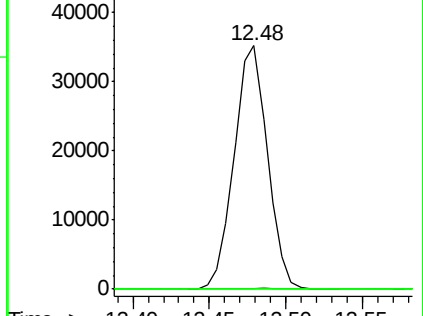
89 0.2 0.0 0.0#



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



Time--> 12.40 12.45 12.50 12.55