

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
 Data File : VY001908.D
 Acq On : 09 Mar 2020 13:50
 Operator : SY/MD
 Sample : L1849-01
 Misc : 8.27G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-230-218-211-216-242

Quant Time: Mar 10 11:54:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	148545	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	283125	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	258681	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	114121	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	89838	56.65	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.30%	
35) Dibromofluoromethane	7.72	113	82368	53.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.56%	
50) Toluene-d8	10.18	98	343935	52.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.48	95	116904	51.57	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.14%	

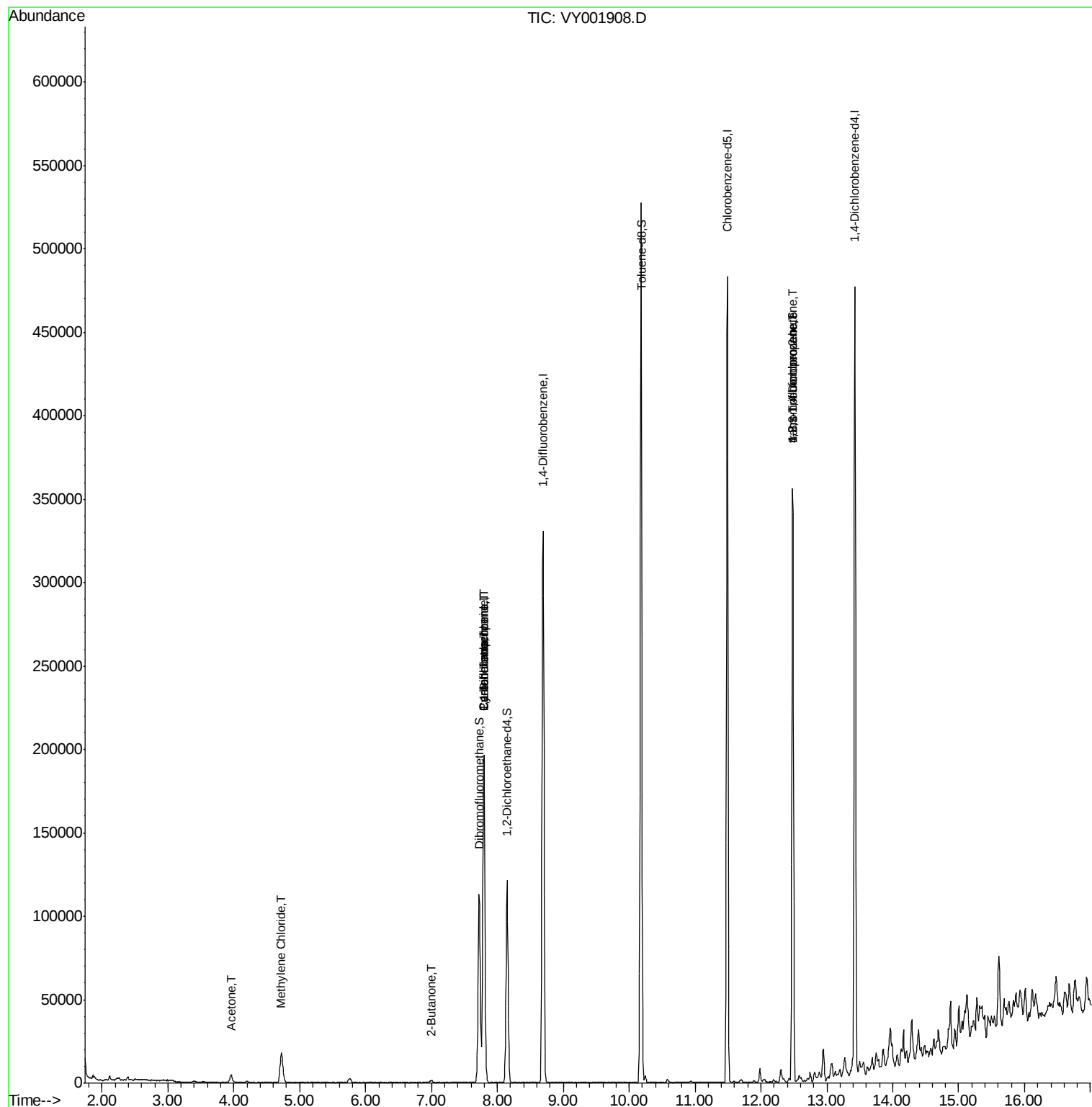
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	59	Below Cal	#	4
16) Acetone	3.96	43	7734	16.74	ug/l	94
20) Methylene Chloride	4.72	84	13383	6.76	ug/l	97
25) 2-Butanone	7.00	43	1008	1.44	ug/l	97
31) Cyclohexane	7.79	56	3521	1.01	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	12792	4.70	ug/l	# 49
38) Carbon Tetrachloride	7.80	117	15101	6.49	ug/l	# 15
76) 1,2,3-Trichloropropane	12.48	75	59173	43.70	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	59173	88.27	ug/l	# 17

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001908.D

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Instrument :

MSVOA_Y

ClientSampleId :

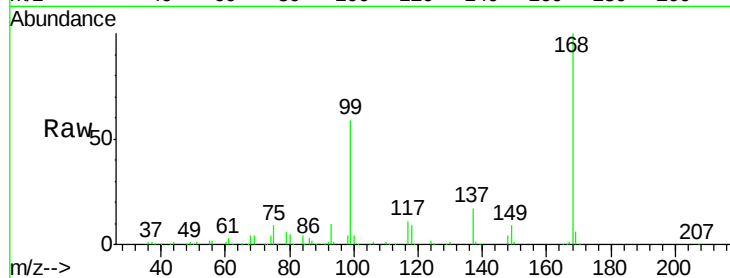
VNJ-230-218-211-216-242

Tgt Ion: 168 Resp: 148545

Ion Ratio Lower Upper

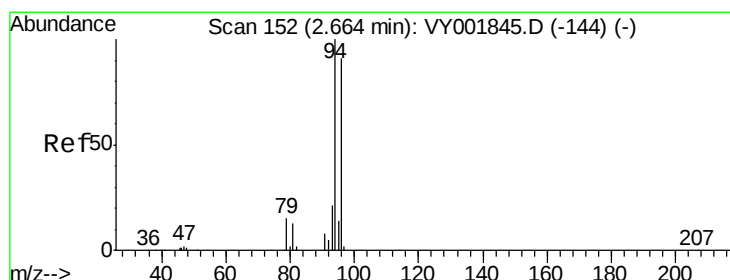
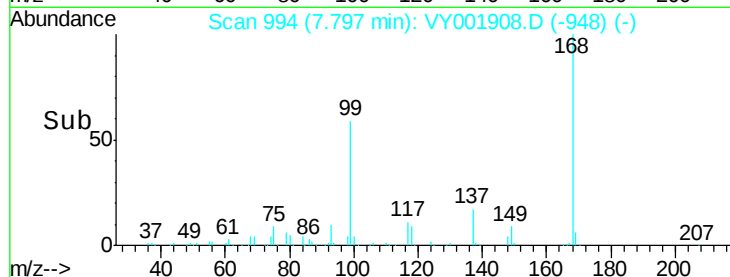
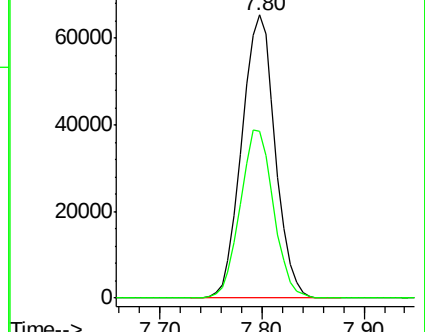
168 100

99 58.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001908.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001908.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001908.D

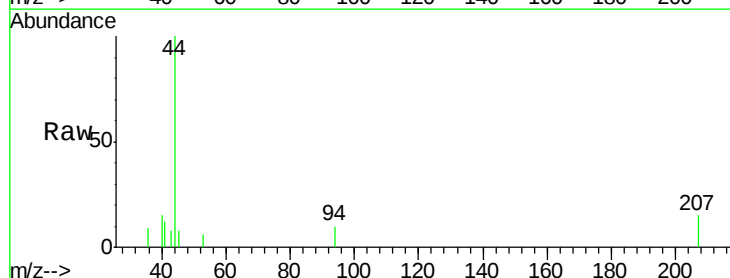
Acq: 09 Mar 2020 13:50

Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

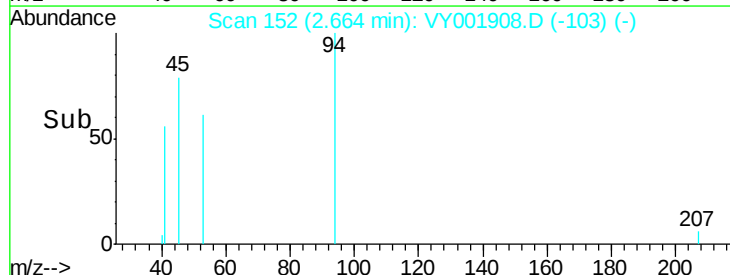
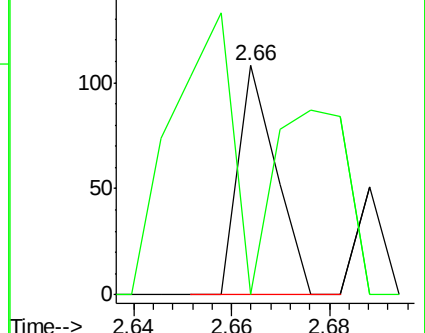
94 100

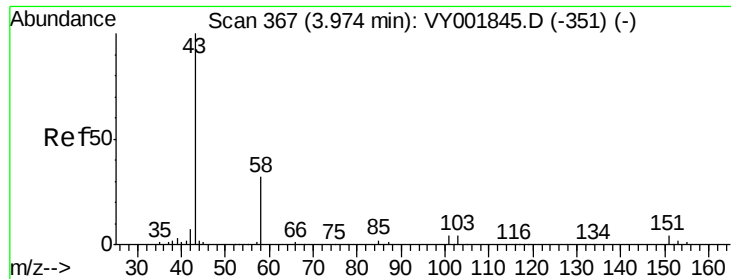
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001908.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY001908.D (-103) (-)





#16

Acetone

Concen: 16.74 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_Y

ClientSampleId :

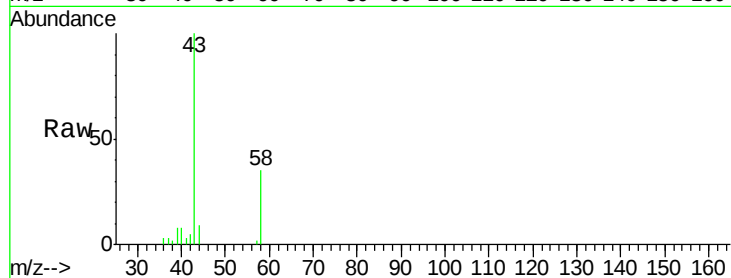
VNJ-230-218-211-216-242

Tgt Ion: 43 Resp: 7734

Ion Ratio Lower Upper

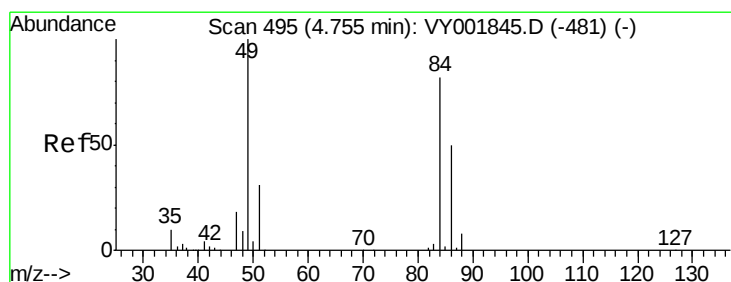
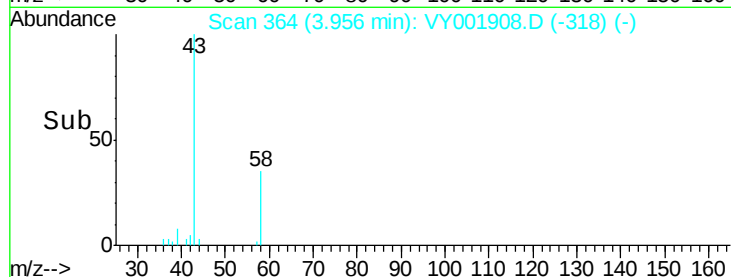
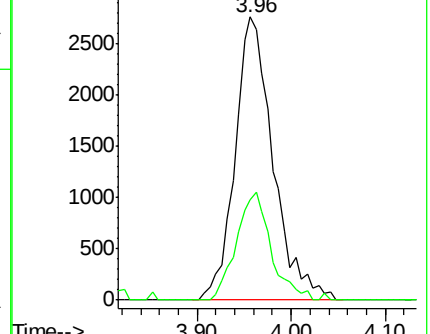
43 100

58 35.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 6.76 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.03 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

Tgt Ion: 84 Resp: 13383

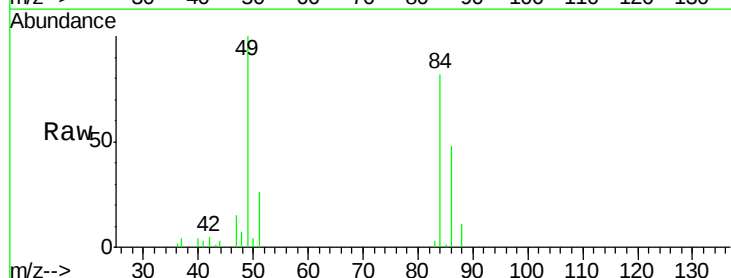
Ion Ratio Lower Upper

84 100

49 122.4 98.2 147.2

51 32.2 30.2 45.2

86 58.6 48.9 73.3

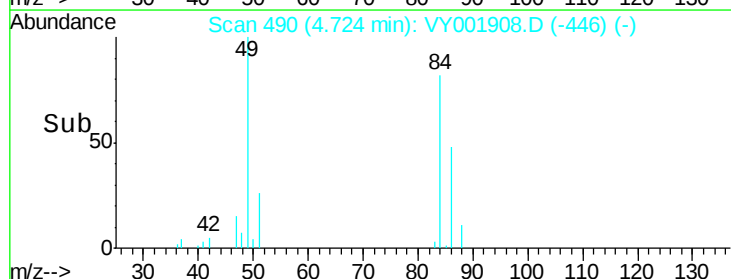
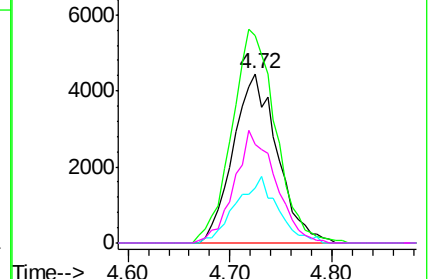


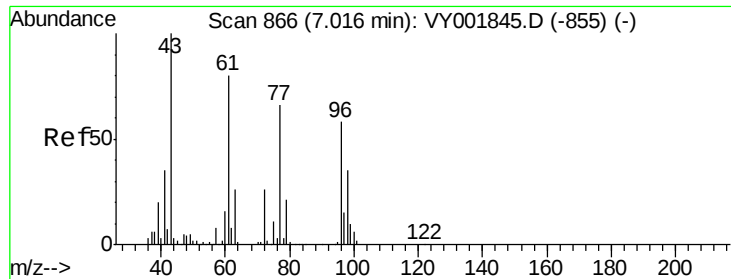
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#25

2-Butanone

Concen: 1.44 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_Y

ClientSampleId :

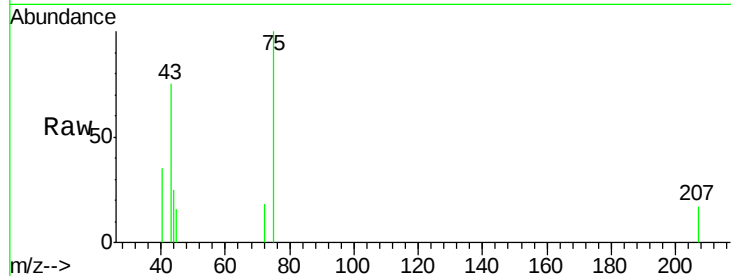
VNJ-230-218-211-216-242

Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

72 24.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

400

300

200

100

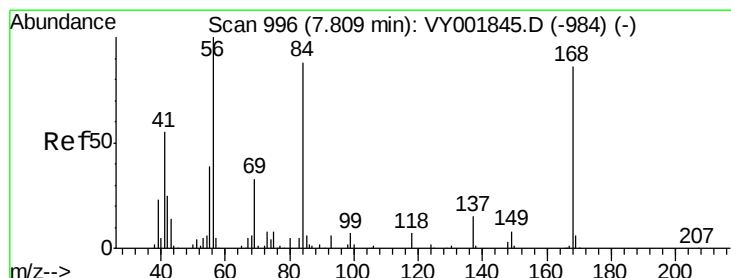
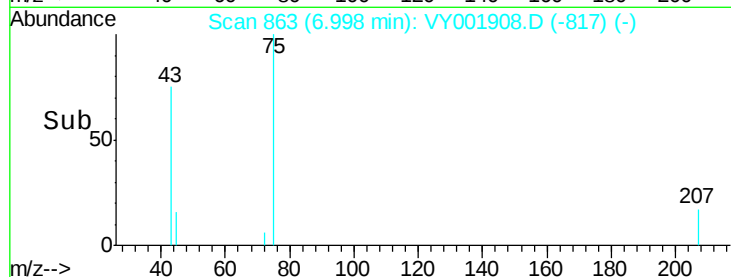
0

6.95

7.00

7.05

Time-->



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

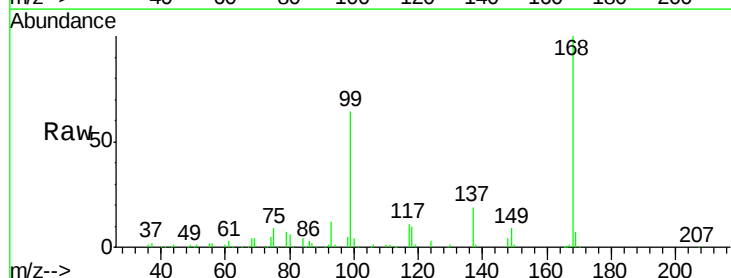
Tgt Ion: 56 Resp: 3521

Ion Ratio Lower Upper

56 100

69 170.4 26.7 40.1#

84 166.5 70.4 105.6#



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

3000

2000

1000

0

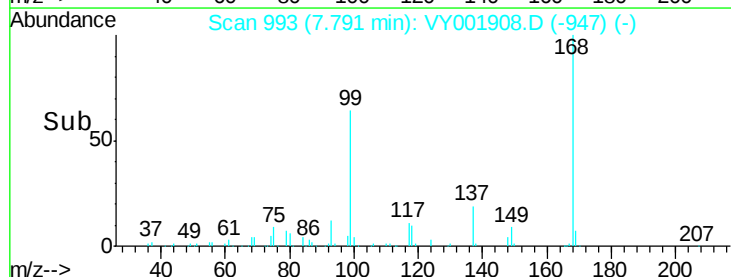
7.70

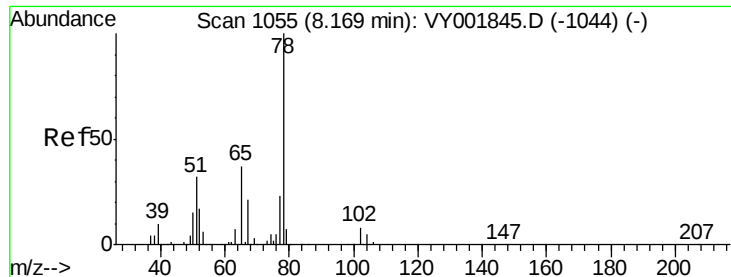
7.75

7.80

7.85

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.65 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.02 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_Y

ClientSampleId :

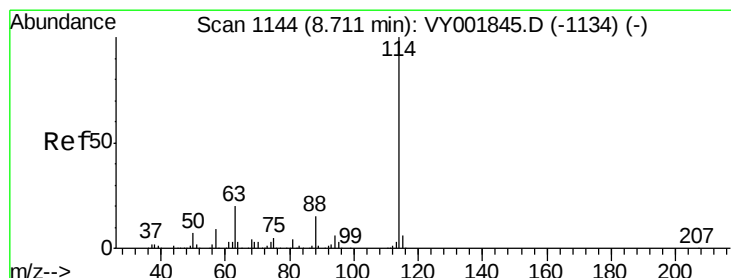
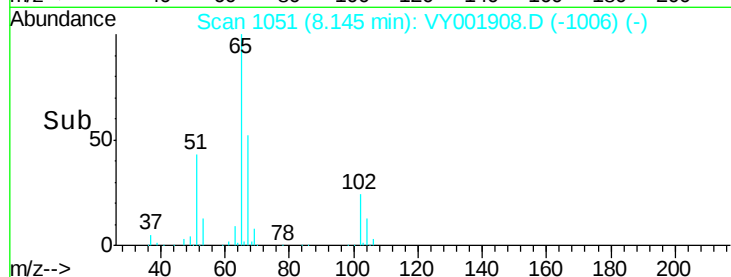
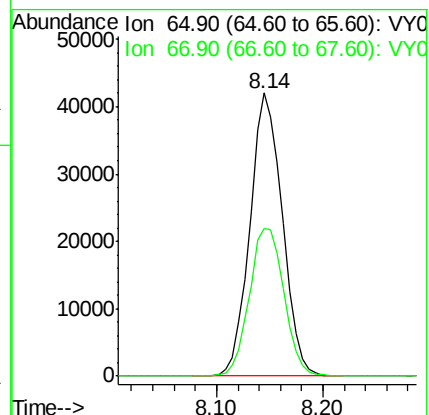
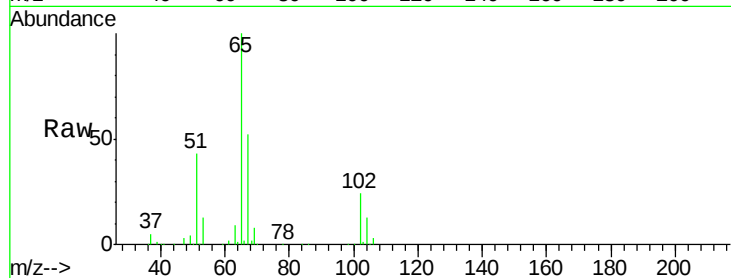
VNJ-230-218-211-216-242

Tgt Ion: 65 Resp: 89838

Ion Ratio Lower Upper

65 100

67 55.9 0.0 110.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

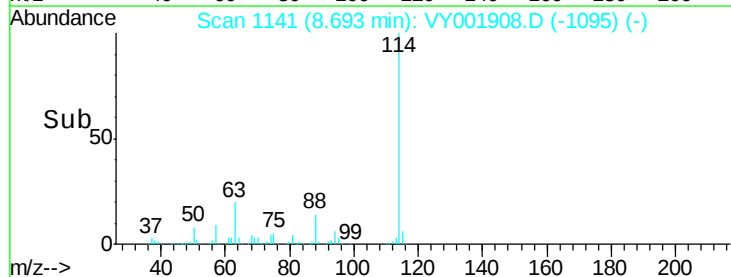
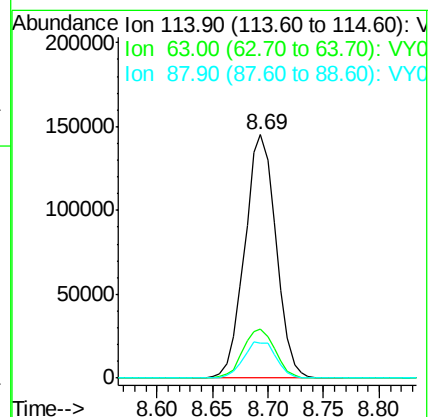
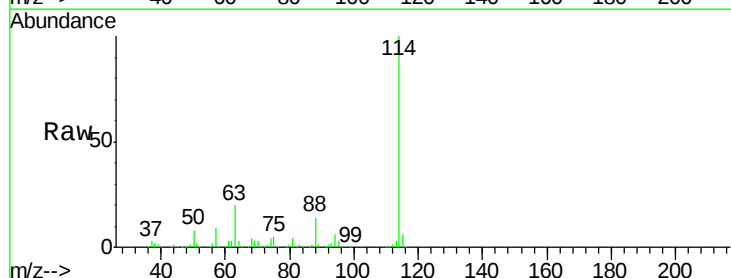
Tgt Ion: 114 Resp: 283125

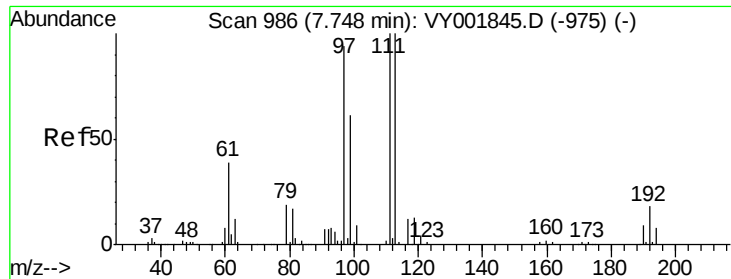
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

88 14.5 0.0 30.4

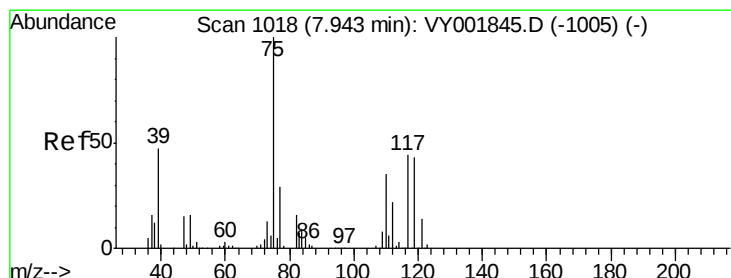
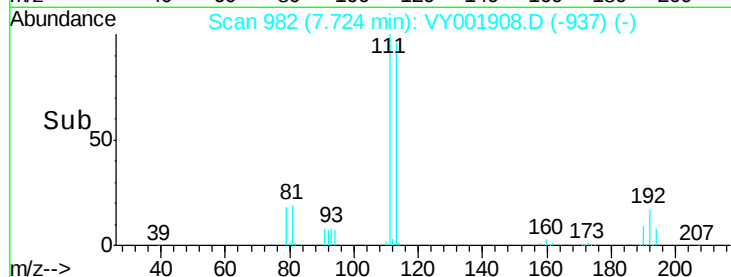
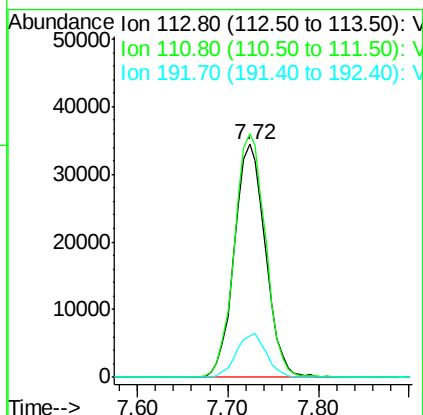
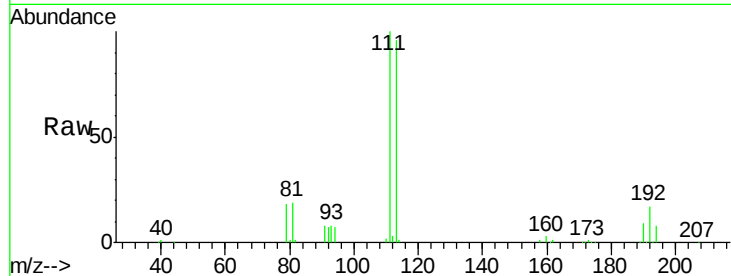




#35
Dibromofluoromethane
Concen: 53.28 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.02 min
Lab File: VY001908.D
Acq: 09 Mar 2020 13:50

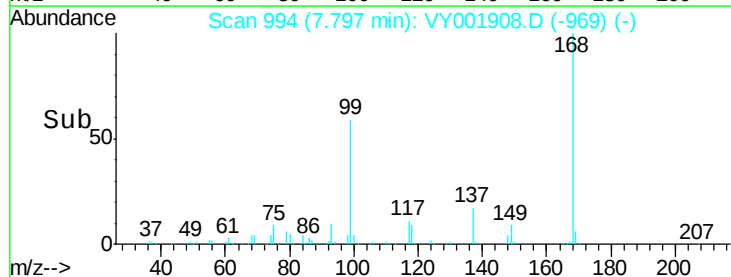
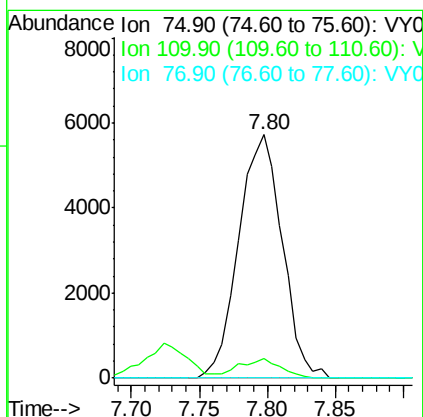
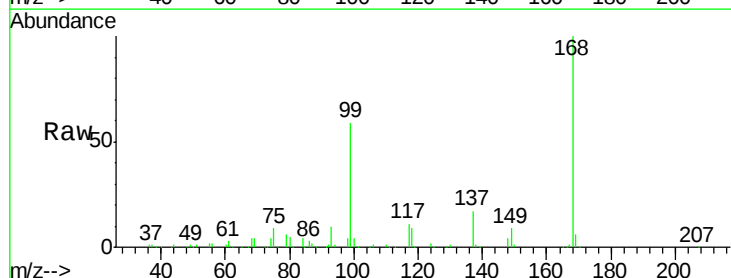
Instrument :
MSVOA_Y
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VNJ-230-218-211-216-242

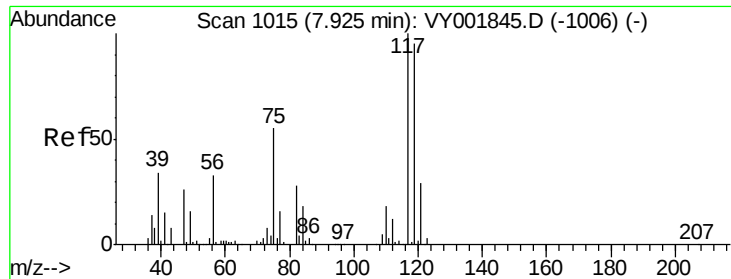
Tgt Ion:113 Resp: 82368
Ion Ratio Lower Upper
113 100
111 104.7 81.8 122.8
192 18.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.15 min
Lab File: VY001908.D
Acq: 09 Mar 2020 13:50

Tgt Ion: 75 Resp: 12792
Ion Ratio Lower Upper
75 100
110 7.4 17.4 52.2#
77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.49 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-230-218-211-216-242

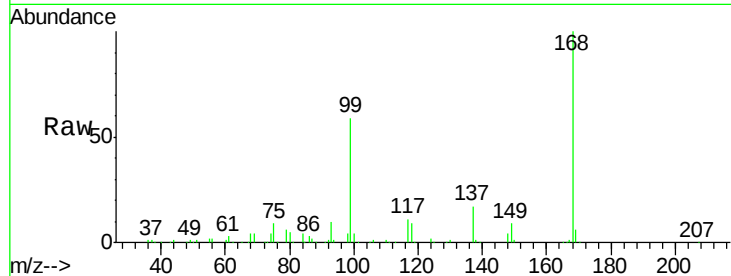
Tgt Ion:117 Resp: 15101

Ion Ratio Lower Upper

117 100

119 4.1 76.3 114.5#

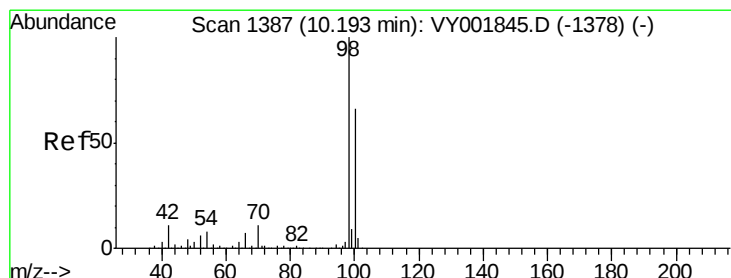
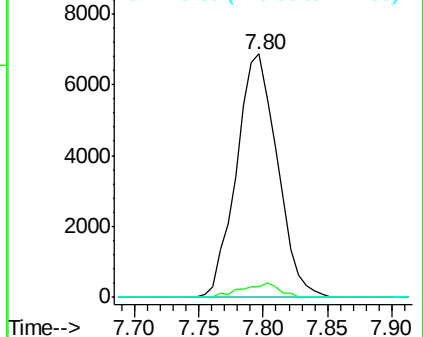
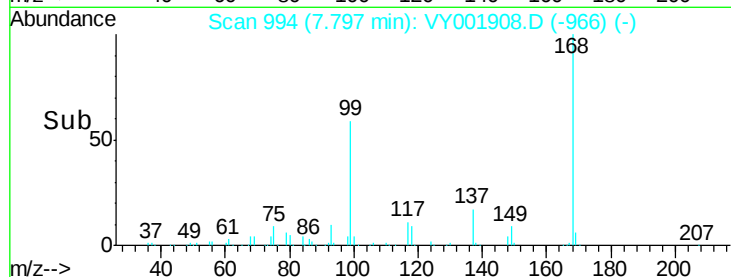
121 0.0 23.5 35.3#



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: 52.76 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001908.D

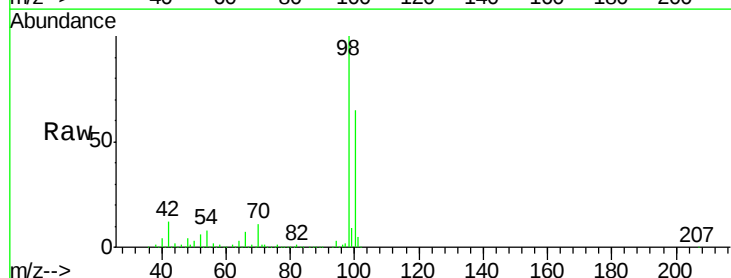
Acq: 09 Mar 2020 13:50

Tgt Ion: 98 Resp: 343935

Ion Ratio Lower Upper

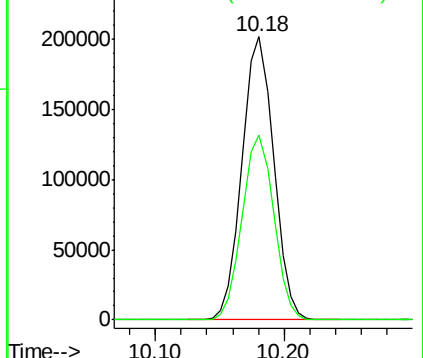
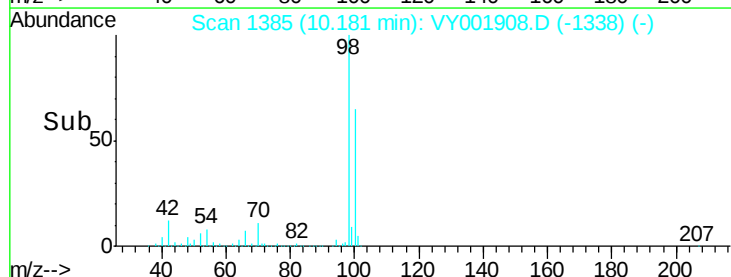
98 100

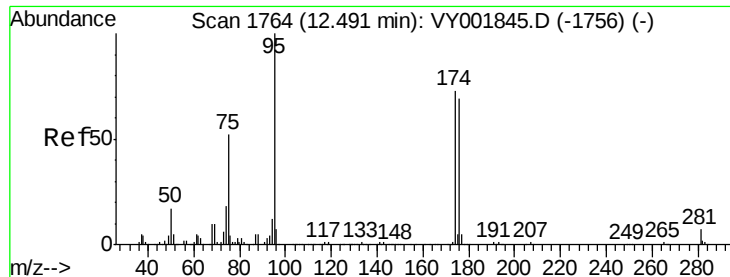
100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 51.57 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

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VNJ-230-218-211-216-242

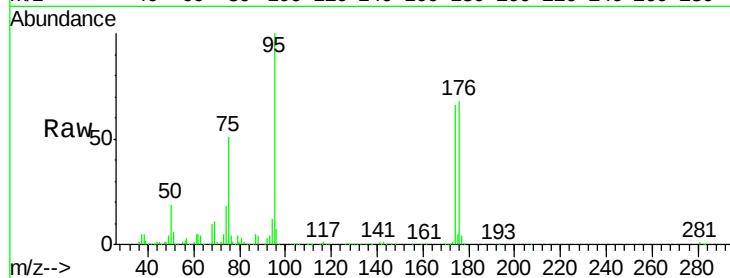
Tgt Ion: 95 Resp: 116904

Ion Ratio Lower Upper

95 100

174 70.4 0.0 145.0

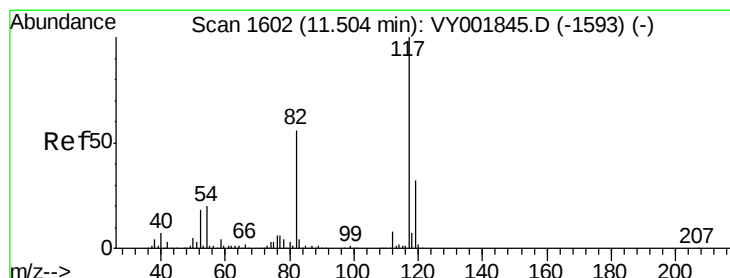
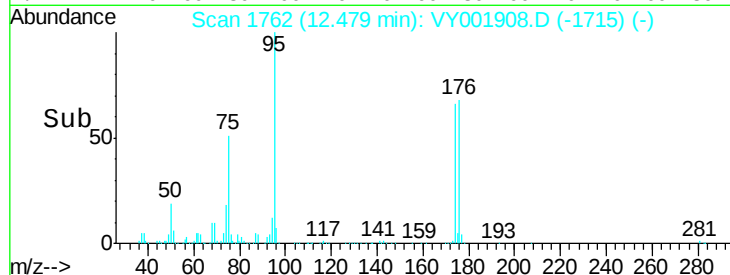
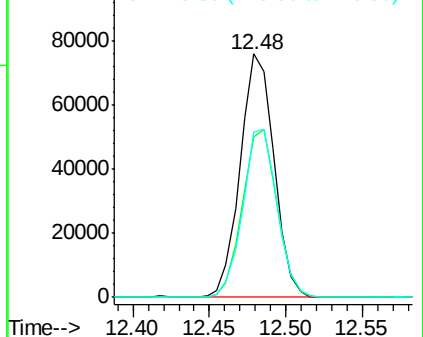
176 70.2 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001908.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001908.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001908.D (-1715) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

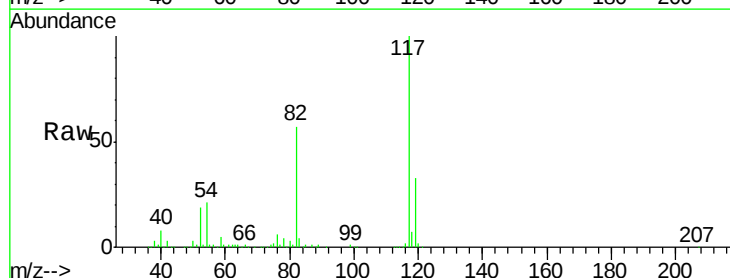
Tgt Ion: 117 Resp: 258681

Ion Ratio Lower Upper

117 100

82 57.1 44.5 66.7

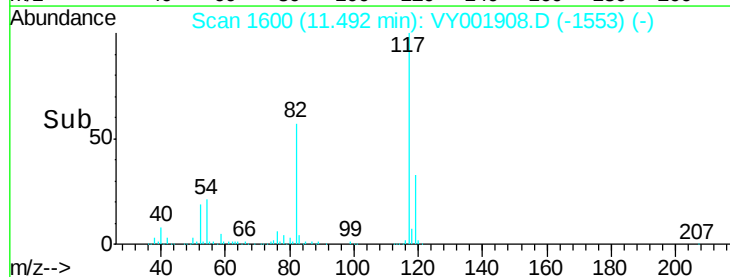
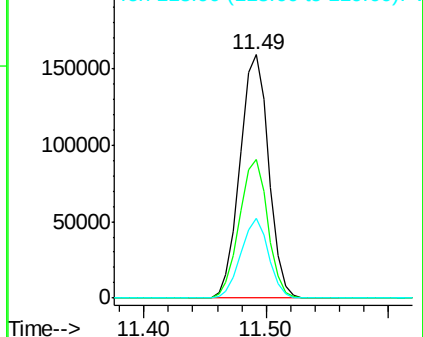
119 33.0 25.7 38.5

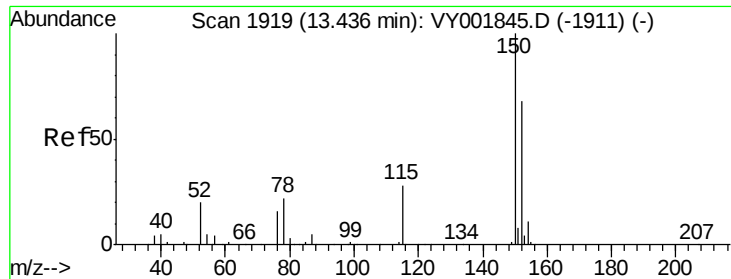


Abundance Ion 116.90 (116.60 to 117.60): VY001908.D (-1553) (-)

Ion 82.00 (81.70 to 82.70): VY001908.D (-1553) (-)

Ion 118.90 (118.60 to 119.60): VY001908.D (-1553) (-)



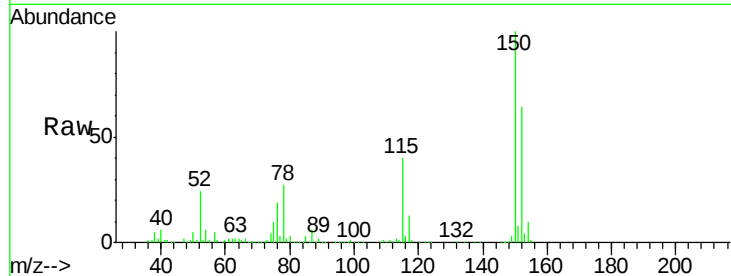


#72

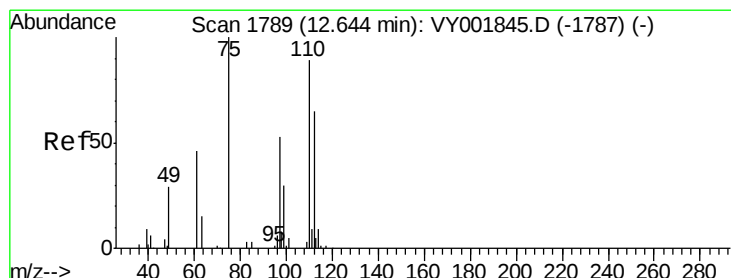
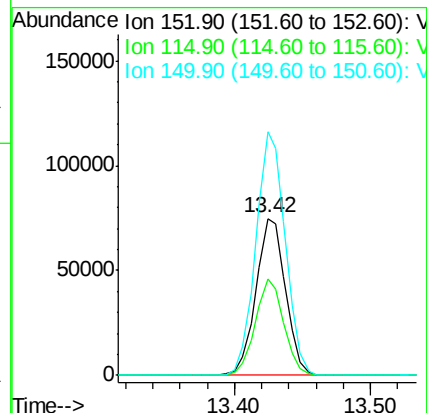
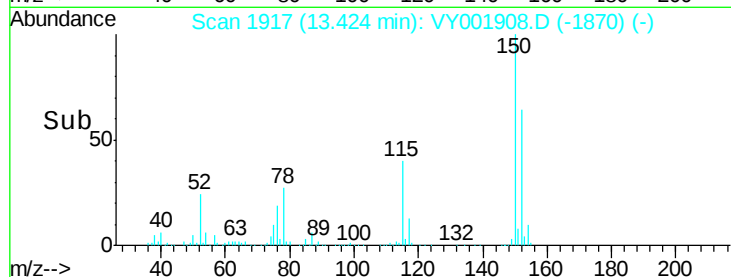
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY001908.D
Acq: 09 Mar 2020 13:50

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-230-218-211-216-242

Tgt Ion: 152 Resp: 114121
Ion Ratio Lower Upper
152 100
115 59.3 29.9 89.7
150 155.0 0.0 340.6



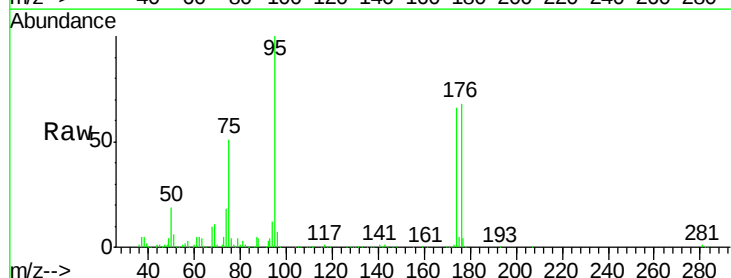
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



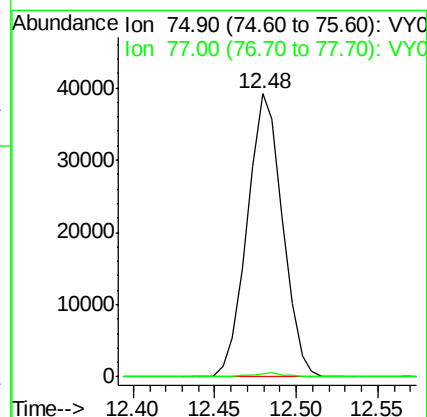
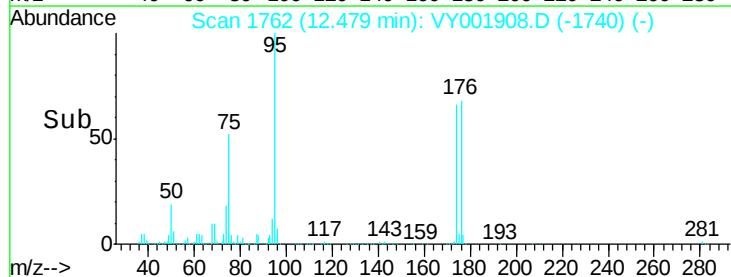
#76

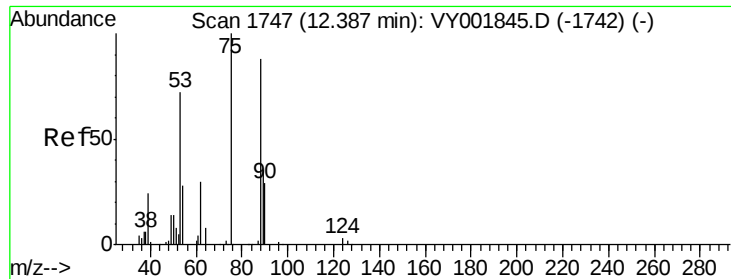
1,2,3-Trichloropropane
Concen: 43.70 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY001908.D
Acq: 09 Mar 2020 13:50

Tgt Ion: 75 Resp: 59173
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





#81

trans-1,4-Dichloro-2-butene

Concen: 88.27 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001908.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-230-218-211-216-242

Tgt Ion: 75 Resp: 59173

Ion Ratio Lower Upper

75 100

53 0.1 65.4 98.0#

89 0.0 36.0 54.0#

