

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002539.D
 Acq On : 04 May 2020 14:33
 Operator : SY/MD
 Sample : L2454-02
 Misc : 6.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-04302020

Quant Time: May 05 07:06:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

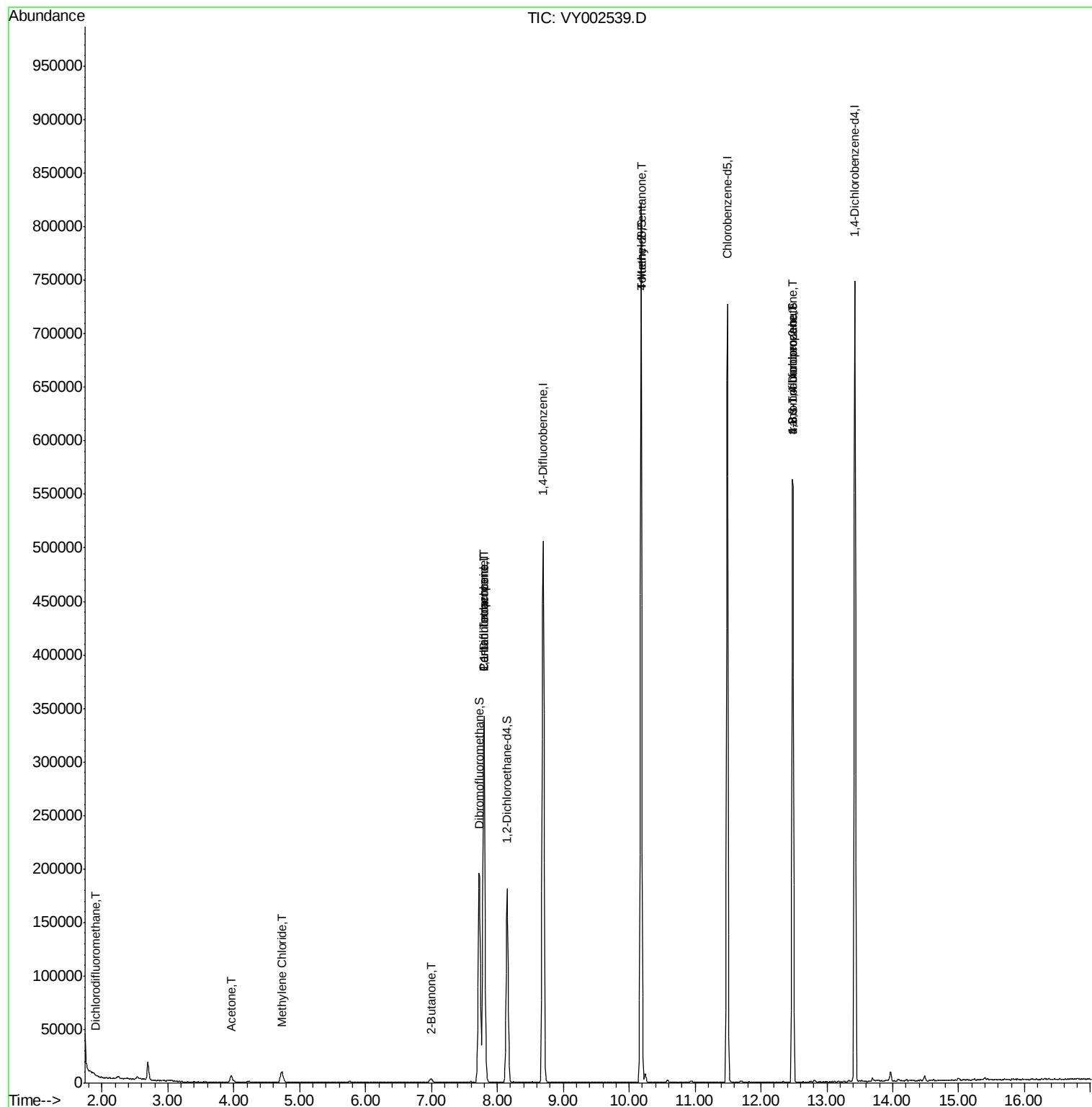
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	286136	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	463279	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	413301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	203500	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	142672	59.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	118.60%	
35) Dibromofluoromethane	7.73	113	141750	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	10.18	98	542080	52.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.48	95	175111	49.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	146	1.844	ug/l #	43
16) Acetone	3.96	43	10605	21.359	ug/l	92
20) Methylene Chloride	4.73	84	7899	2.845	ug/l	96
25) 2-Butanone	6.99	43	831	1.022	ug/l #	45
36) 1,1-Dichloropropene	7.79	75	18141	4.671	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25797	6.084	ug/l #	16
51) 4-Methyl-2-Pentanone	10.17	43	2278	1.181	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	84654	46.811	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84654	93.864	ug/l #	15

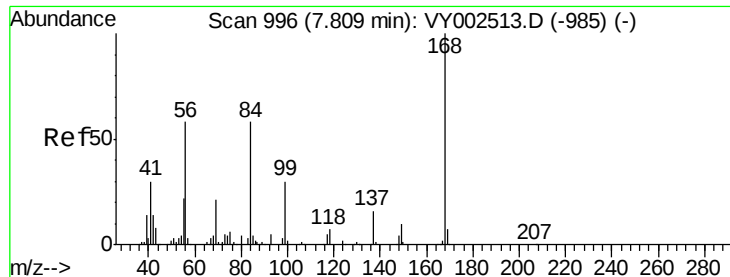
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002539.D

Acq: 04 May 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

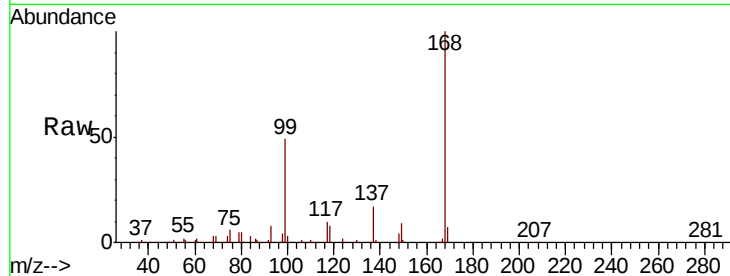
NB-04302020

Tot Ion:168 Resp: 286136

Ion Ratio Lower Upper

168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

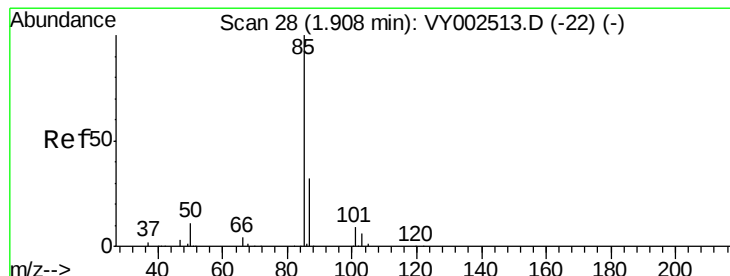
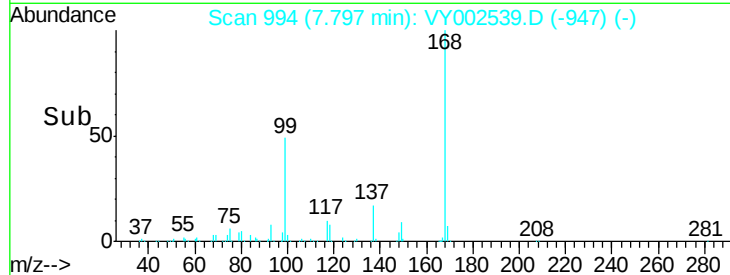
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.844 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002539.D

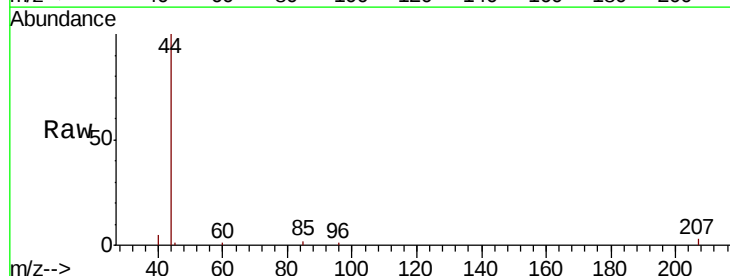
Acq: 04 May 2020 14:33

Tgt Ion: 85 Resp: 146

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

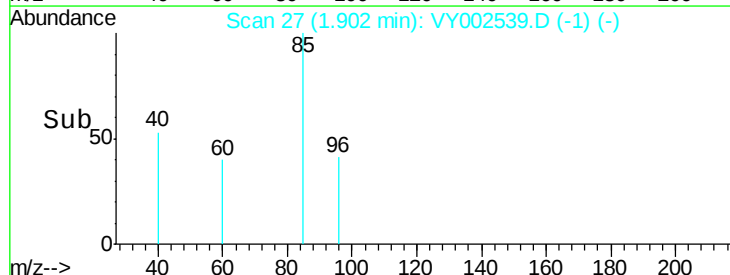
150

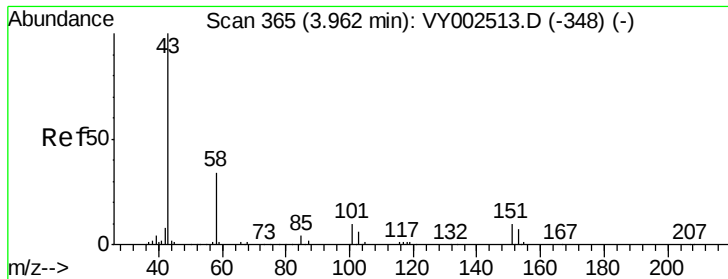
100

50

0

Time-->

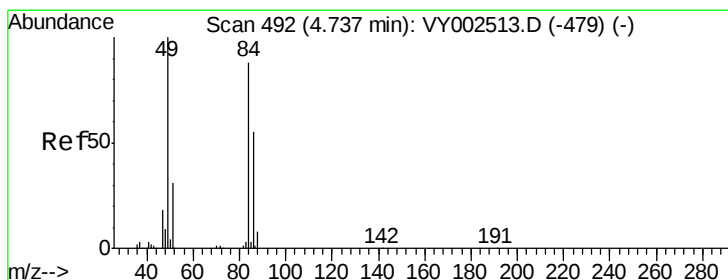
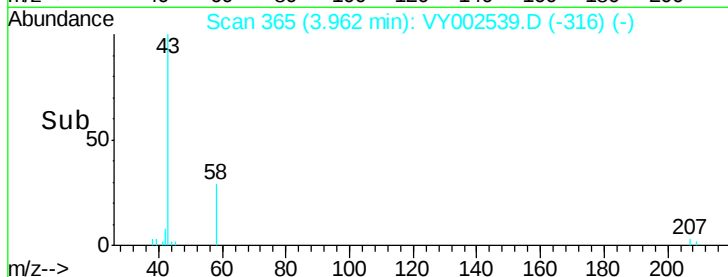
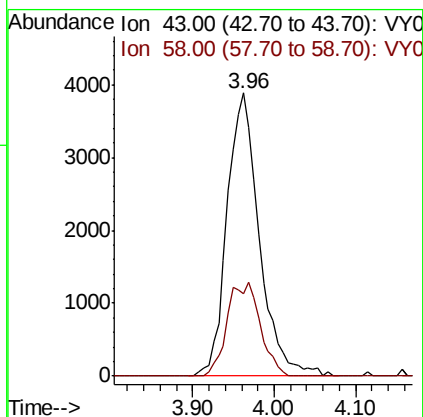
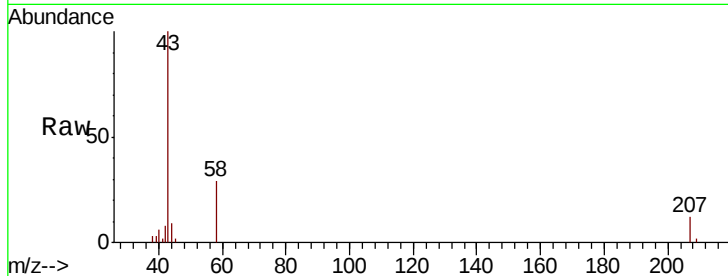




#16
Acetone
Concen: 21.359 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VY002539.D
Acq: 04 May 2020 14:33

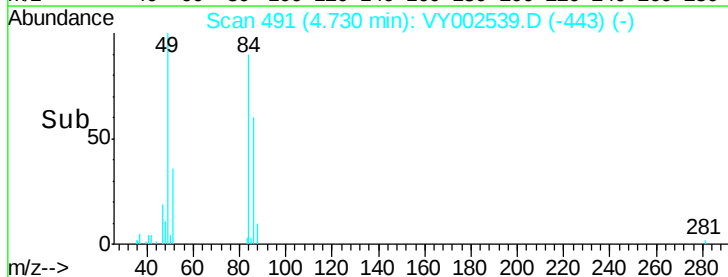
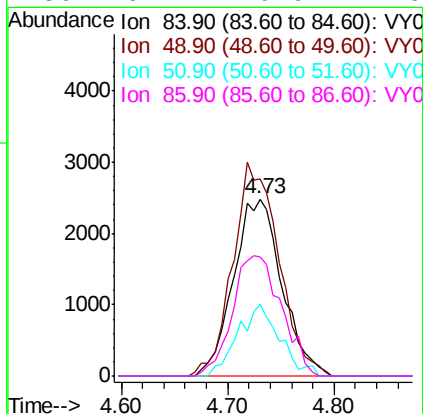
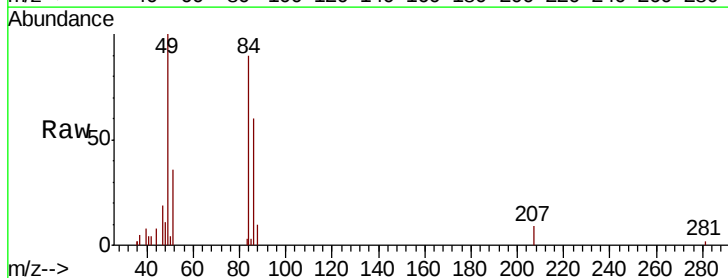
Instrument :
MSVOA_Y
ClientSampleId :
NB-04302020

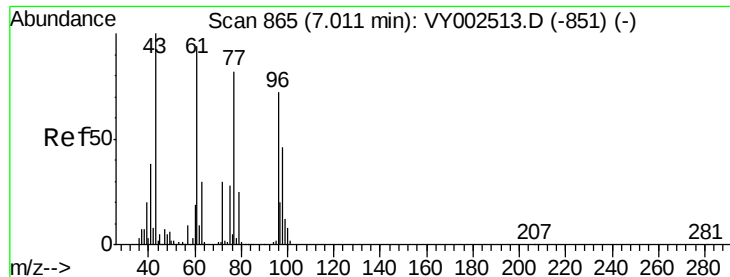
Tot Ion: 43 Resp: 10605
Ion Ratio Lower Upper
43 100
58 29.2 26.9 40.3



#20
Methylene Chloride
Concen: 2.845 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002539.D
Acq: 04 May 2020 14:33

Tgt Ion: 84 Resp: 7899
Ion Ratio Lower Upper
84 100
49 111.5 90.5 135.7
51 40.4 28.3 42.5
86 67.1 49.9 74.9





#25

2-Butanone

Concen: 1.022 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY002539.D

Acq: 04 May 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

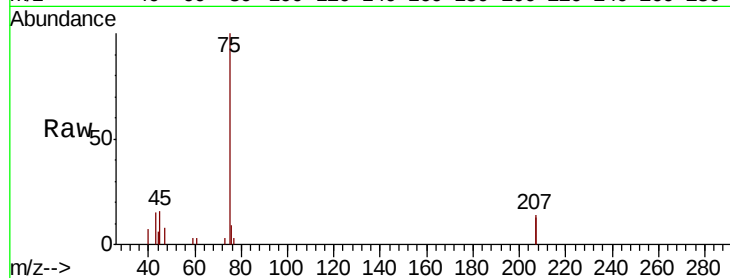
NB-04302020

Tot Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

300

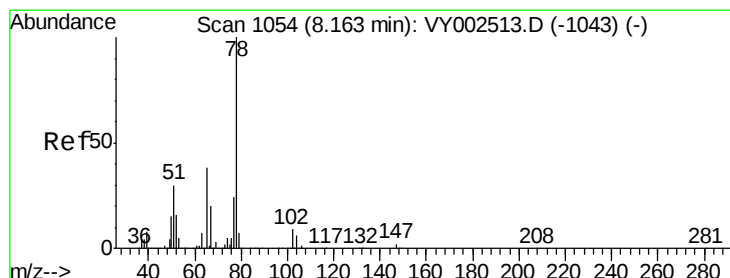
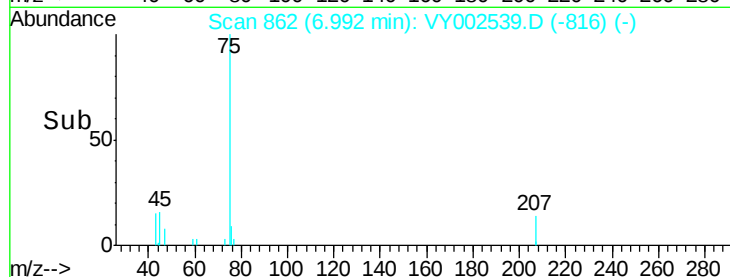
200

100

0

6.95 7.00 7.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.301 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.02 min

Lab File: VY002539.D

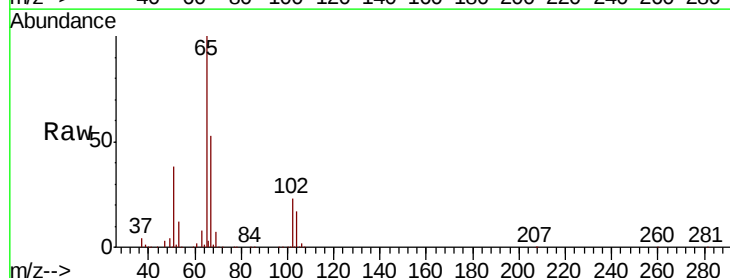
Acq: 04 May 2020 14:33

Tgt Ion: 65 Resp: 142672

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.14

60000

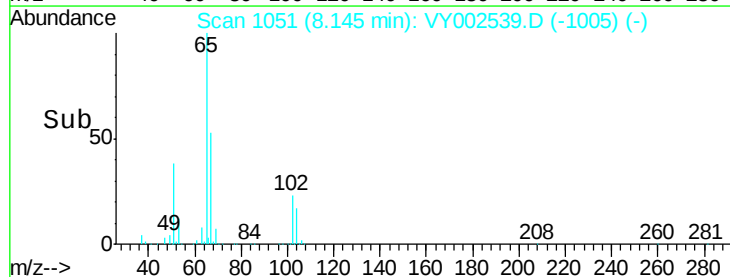
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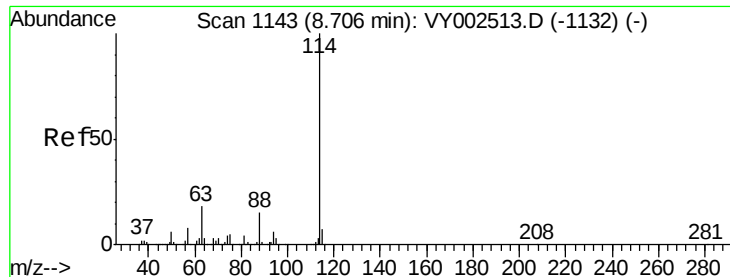
20000

0

8.05 8.10 8.15 8.20 8.25

Time-->

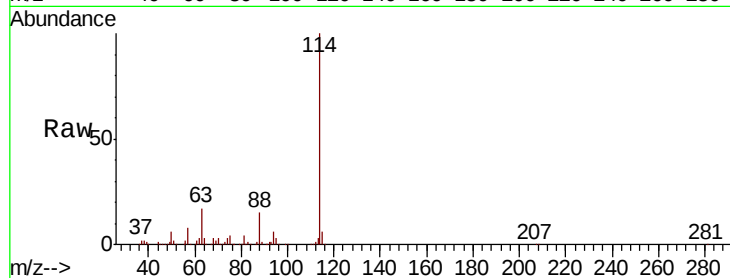




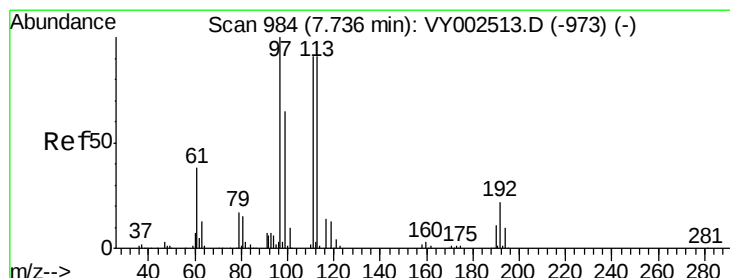
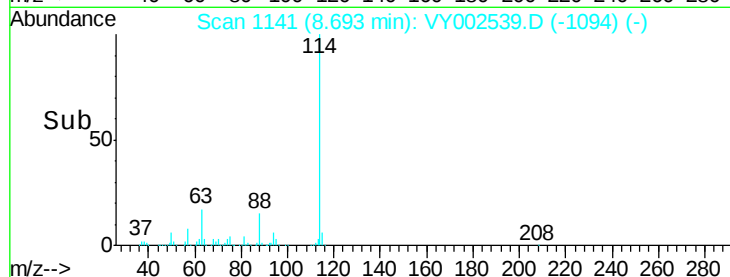
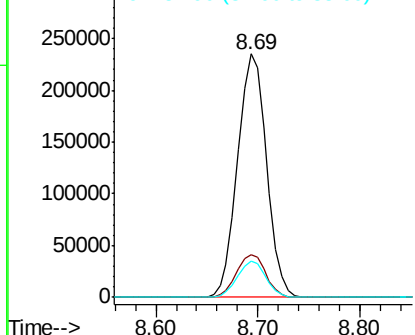
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VY002539.D
Acq: 04 May 2020 14:33

Instrument :
MSVOA_Y
ClientSampleId :
NB-04302020

Tot Ion:114 Resp: 463279
Ion Ratio Lower Upper
114 100
63 17.3 0.0 36.4
88 14.9 0.0 29.6

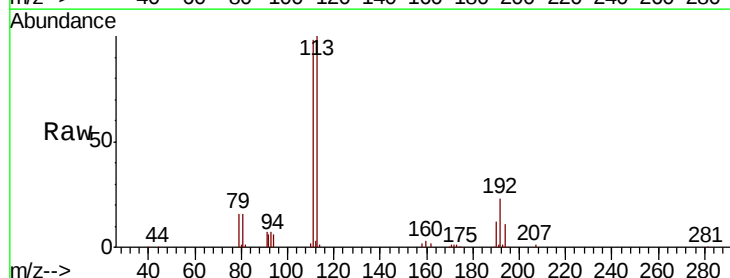


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

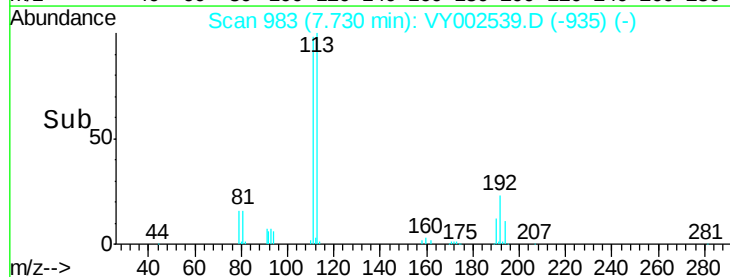
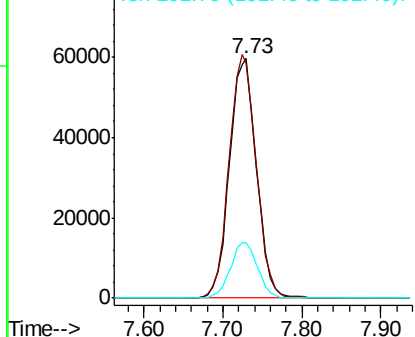


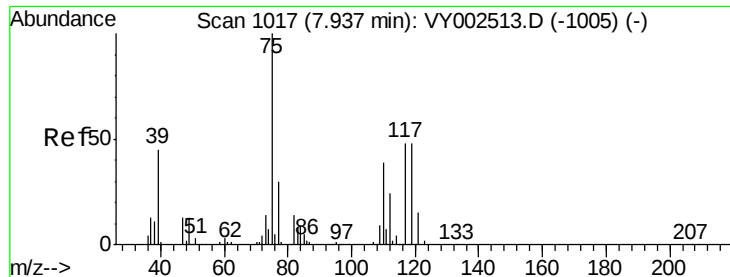
#35
Dibromofluoromethane
Concen: 53.501 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002539.D
Acq: 04 May 2020 14:33

Tgt Ion:113 Resp: 141750
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 23.2 18.2 27.4



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

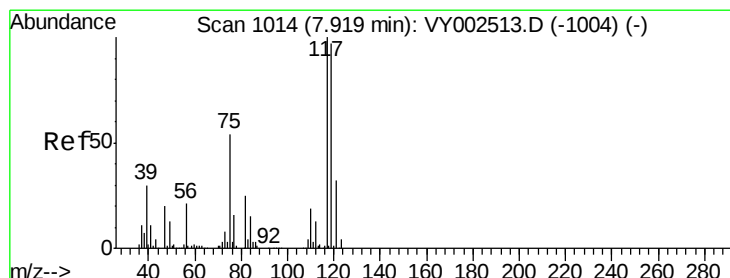
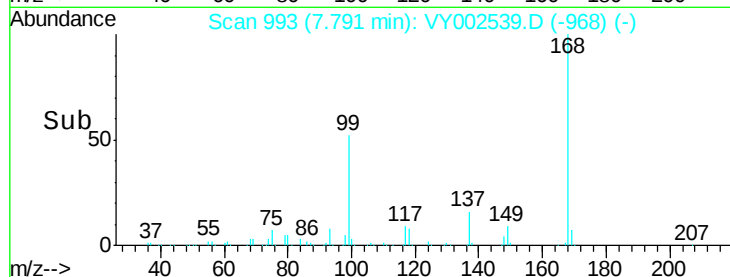
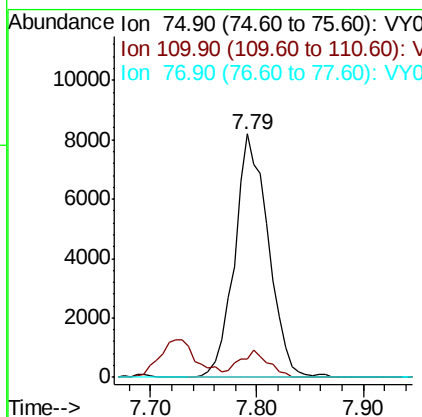
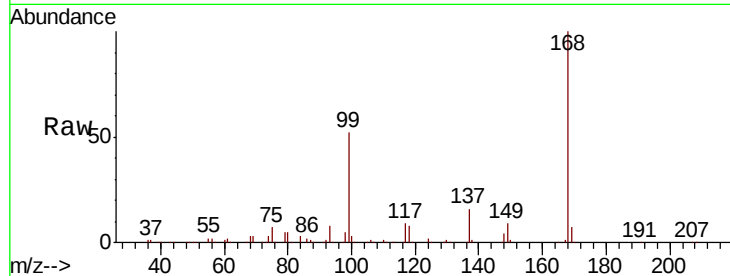




#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.15 min
 Lab File: VY002539.D
 Acq: 04 May 2020 14:33

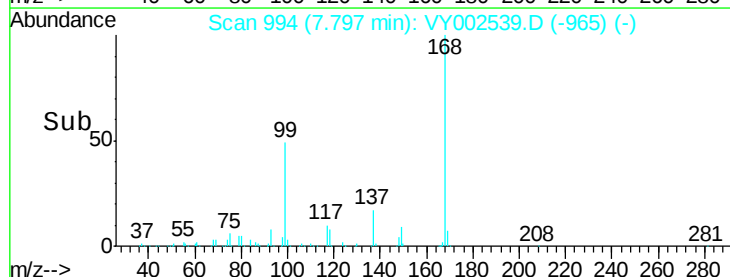
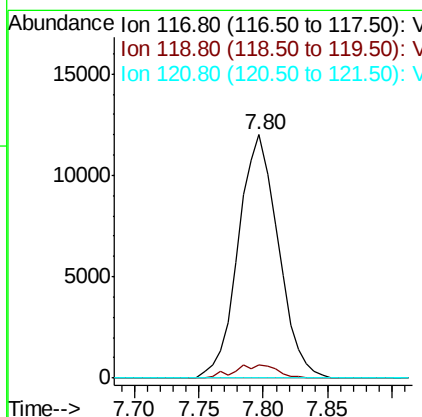
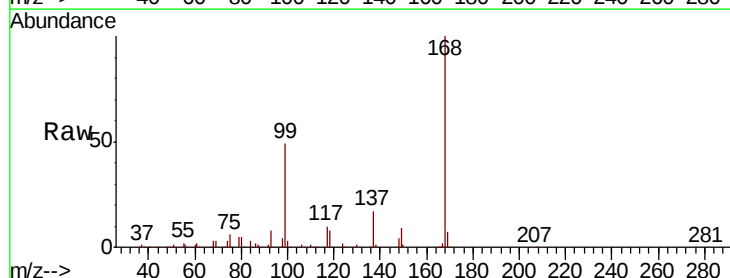
Instrument :
 MSVOA_Y
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 NB-04302020

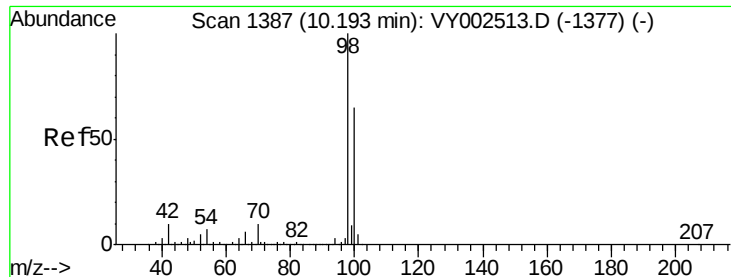
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.084 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002539.D
 Acq: 04 May 2020 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.392 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002539.D

Acq: 04 May 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

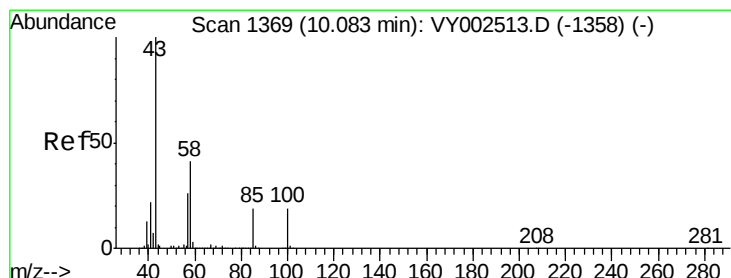
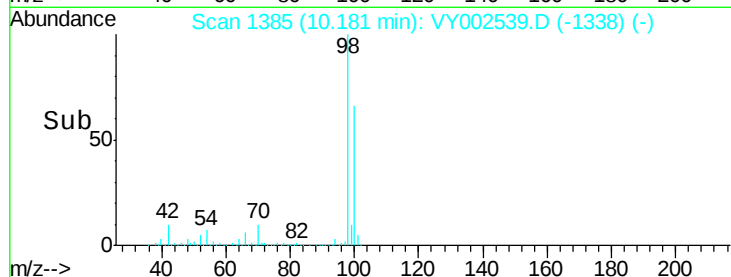
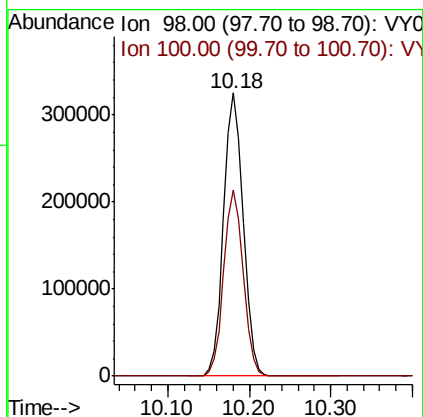
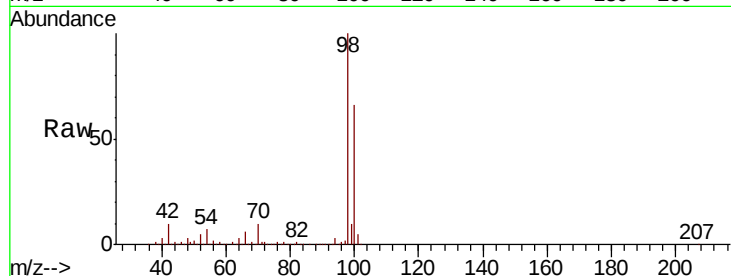
NB-04302020

Tot Ion: 98 Resp: 542080

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.181 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.09 min

Lab File: VY002539.D

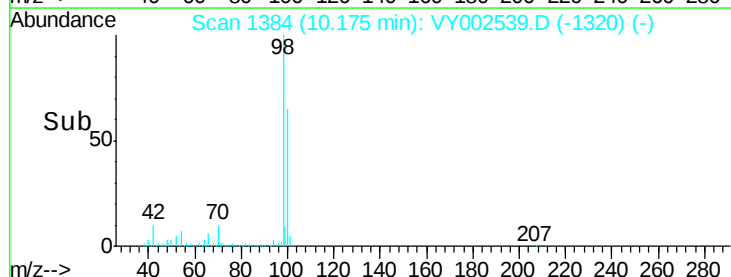
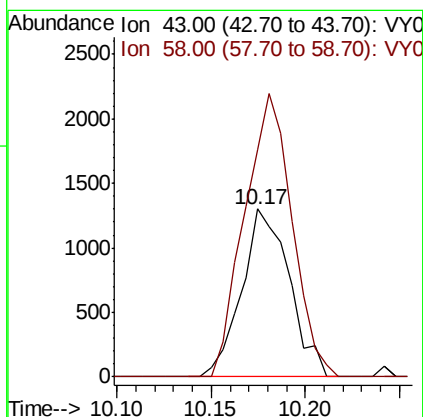
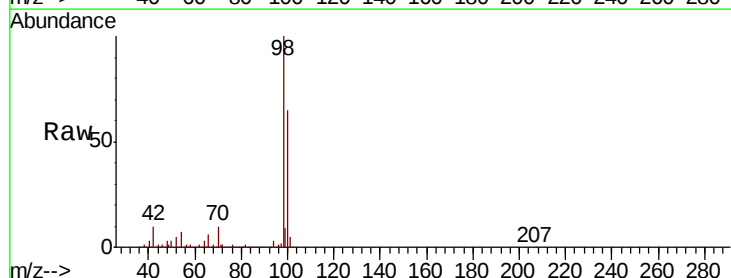
Acq: 04 May 2020 14:33

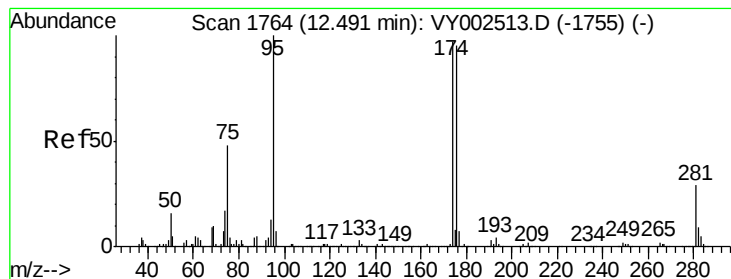
Tgt Ion: 43 Resp: 2278

Ion Ratio Lower Upper

43 100

58 168.3 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 49.876 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002539.D

Acq: 04 May 2020 14:33

Instrument :

MSVOA_Y

ClientSampled :

NB-04302020

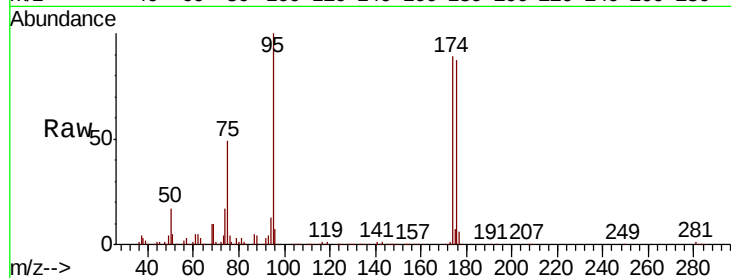
Tot Ion: 95 Resp: 175111

Ion Ratio Lower Upper

95 100

174 93.5 0.0 188.8

176 91.5 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002539.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002539.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002539.D (-1755) (-)

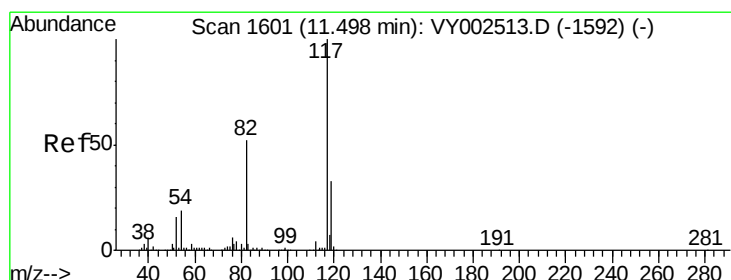
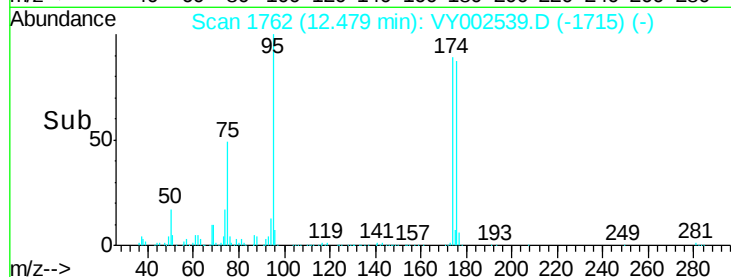
12.48

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002539.D

Acq: 04 May 2020 14:33

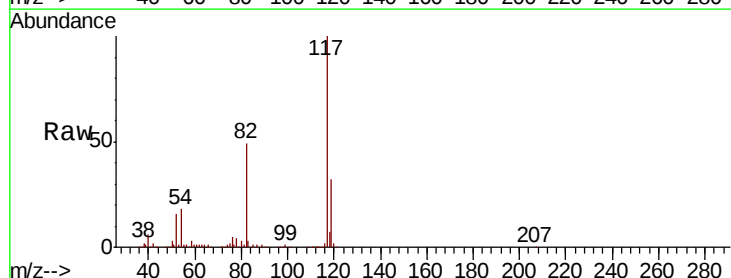
Tgt Ion: 117 Resp: 413301

Ion Ratio Lower Upper

117 100

82 49.3 41.3 61.9

119 31.8 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VY002539.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002539.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002539.D (-1592) (-)

11.49

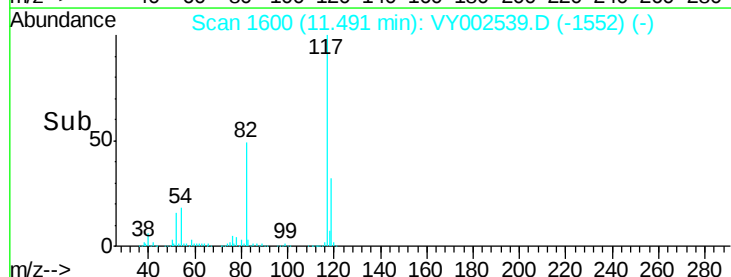
300000

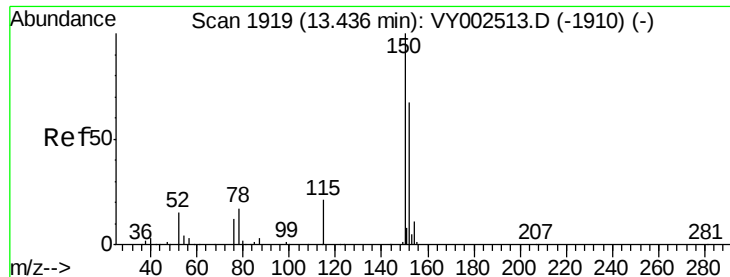
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002539.D

Acq: 04 May 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

NB-04302020

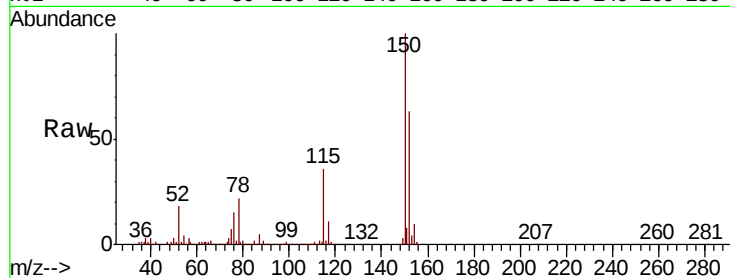
Tot Ion:152 Resp: 203500

Ion Ratio Lower Upper

152 100

115 54.2 27.5 82.4

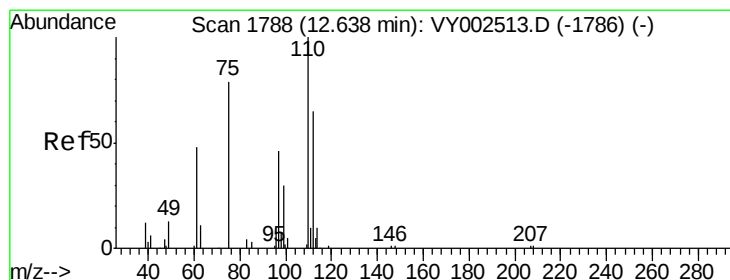
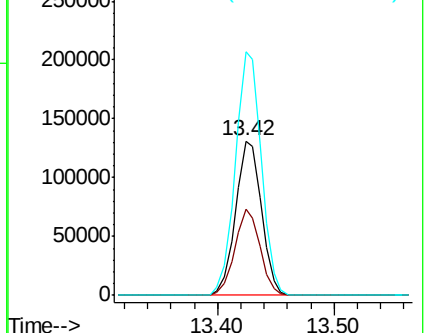
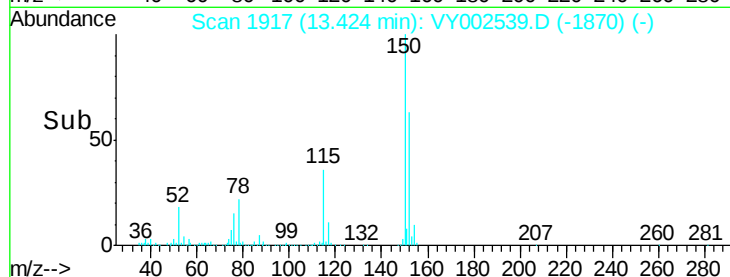
150 157.8 0.0 346.4



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: 46.811 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002539.D

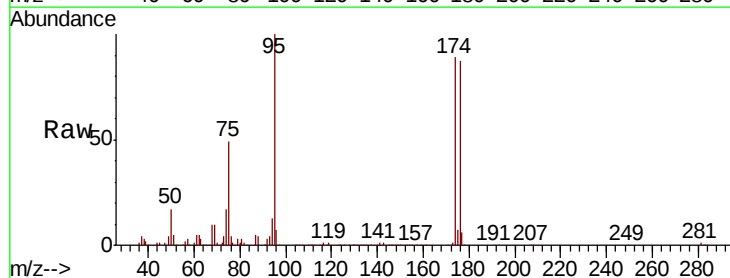
Acq: 04 May 2020 14:33

Tgt Ion: 75 Resp: 84654

Ion Ratio Lower Upper

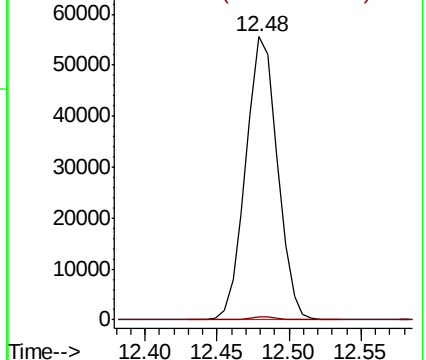
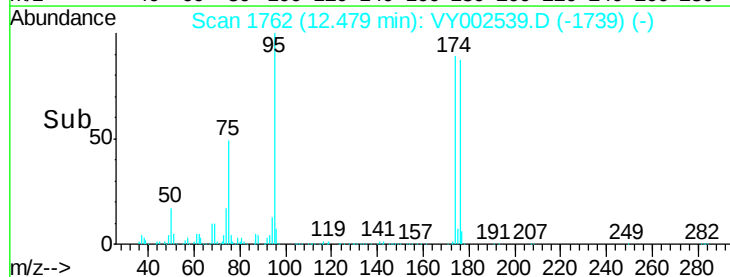
75 100

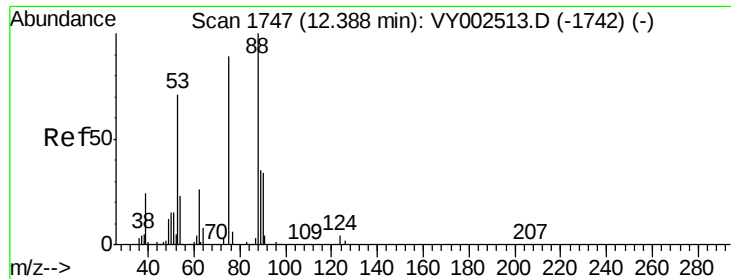
77 1.2 0.0 0.0#



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: 93.864 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002539.D

Acq: 04 May 2020 14:33

Instrument :

MSVOA_Y

ClientSampleId :

NB-04302020

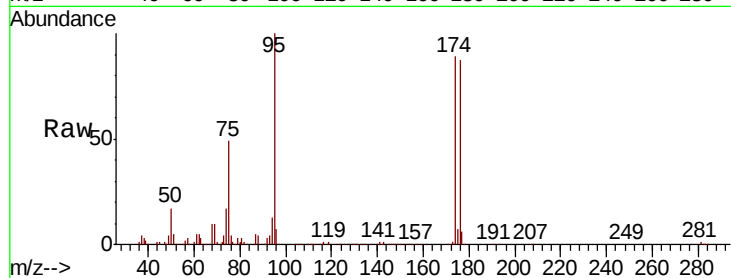
Tot Ion: 75 Resp: 84654

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#



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

