

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002591.D
 Acq On : 05 May 2020 16:58
 Operator : SY/MD
 Sample : L2483-06
 Misc : 5.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:21:11 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	348298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	550770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	481556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	217523	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	159447	54.45	ug/l	-0.01
Spiked Amount			Recovery	=	108.90%	
35) Dibromofluoromethane	7.73	113	165532	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.19	98	640768	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.49	95	199207	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

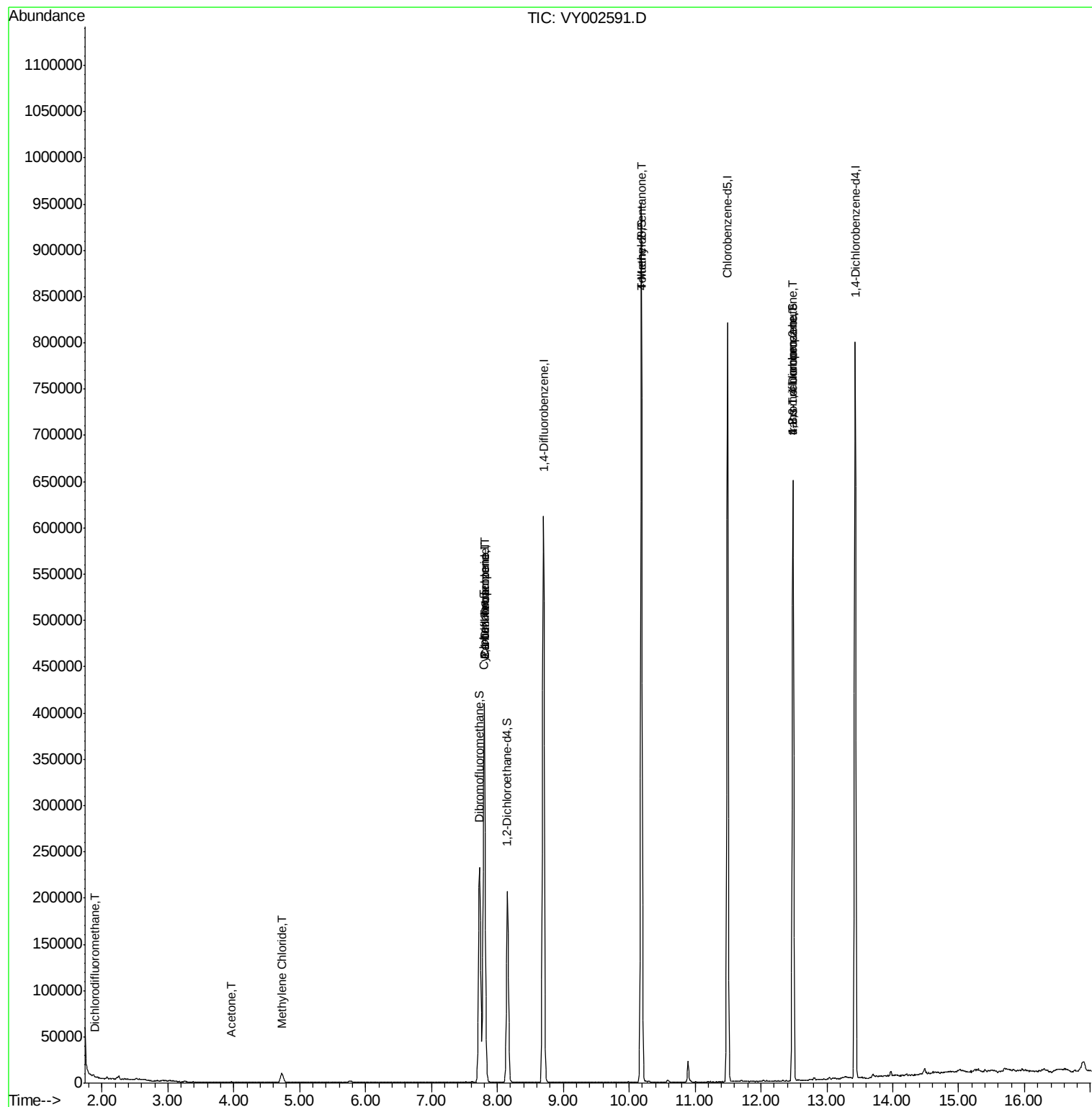
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	44	1.799	ug/l #	43
16) Acetone	3.96	43	855	1.415	ug/l #	70
20) Methylene Chloride	4.72	84	7963	2.356	ug/l	95
31) Cyclohexane	7.79	56	5511	1.047	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	22427	4.857	ug/l #	49
38) Carbon Tetrachloride	7.80	117	30766	6.103	ug/l #	15
51) 4-Methyl-2-Pentanone	10.19	43	2347	1.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	96027	49.676	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	96027	99.611	ug/l #	15

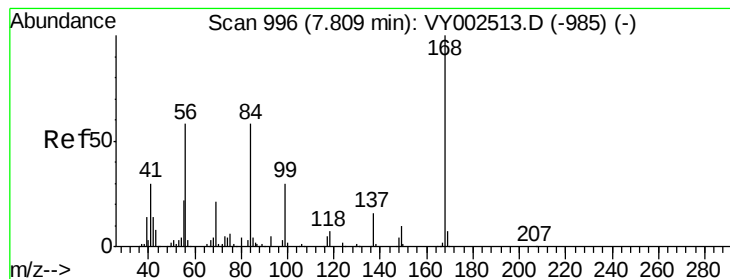
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
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: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA_Y

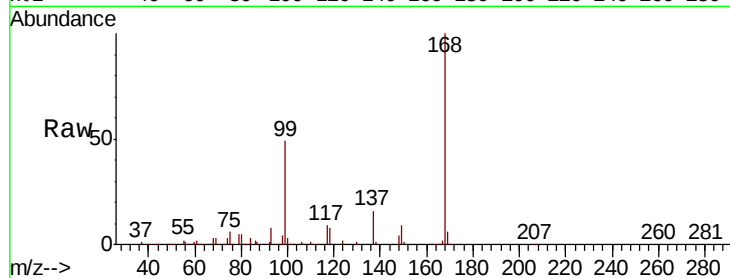
ClientSampleId :

Tot Ion:168 Resp: 348298

Ion Ratio Lower Upper

168 100

99 49.1 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

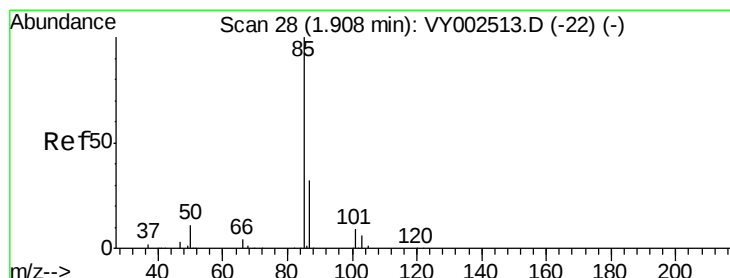
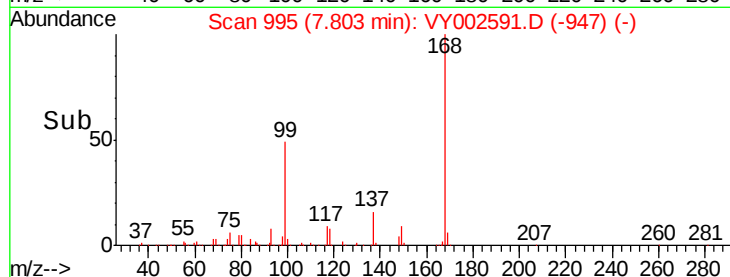
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.799 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002591.D

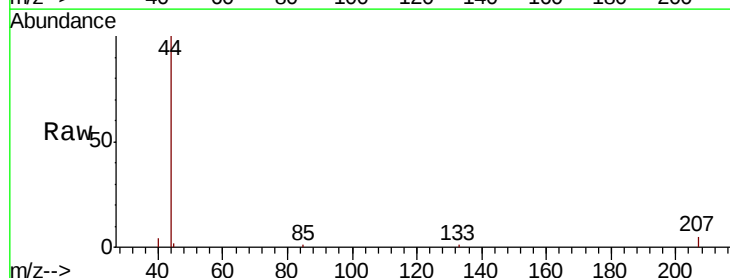
Acq: 05 May 2020 16:58

Tgt Ion: 85 Resp: 44

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) (-)

1.90

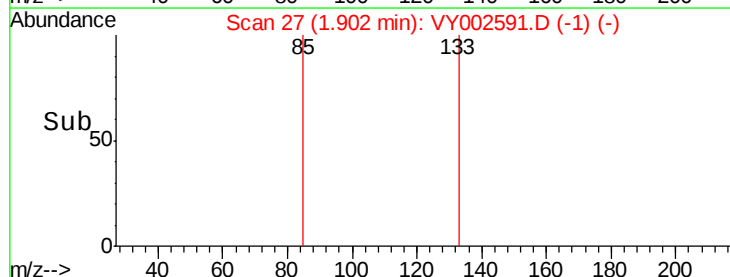
60

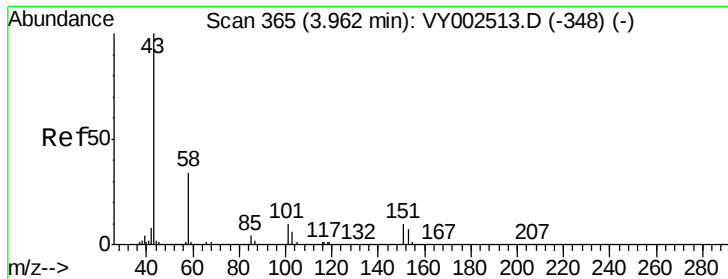
40

20

0

Time-->





#16

Acetone

Concen: 1.415 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA_Y

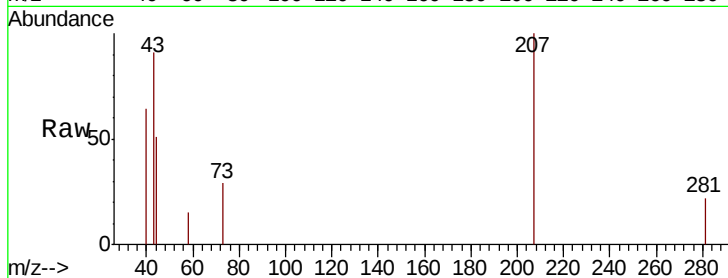
ClientSampleId :

Tot Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

58 16.7 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

400

300

200

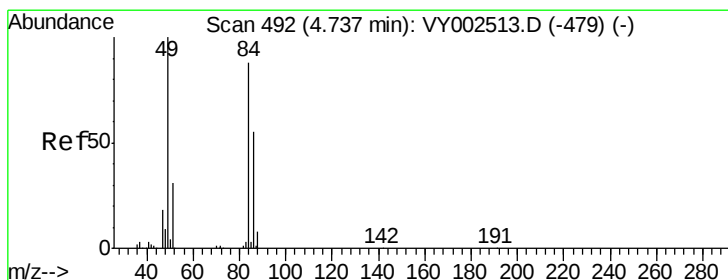
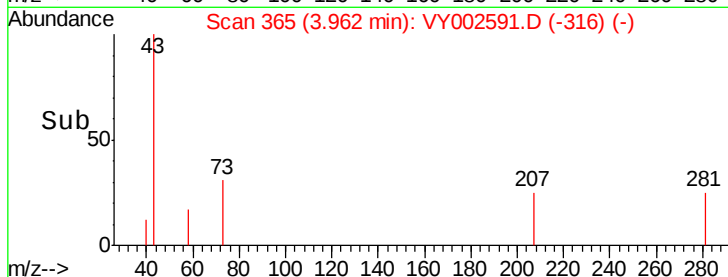
100

0

Time--> 3.90

3.95

4.00



#20

Methylene Chloride

Concen: 2.356 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Tgt Ion: 84 Resp: 7963

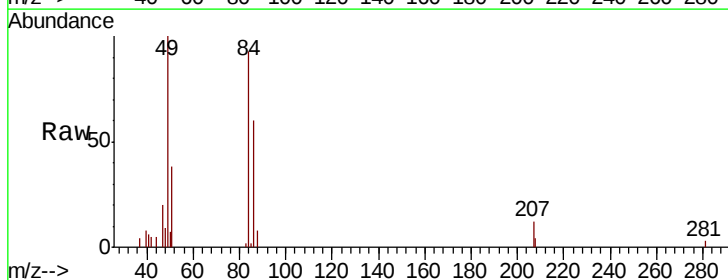
Ion Ratio Lower Upper

84 100

49 107.8 90.5 135.7

51 40.6 28.3 42.5

86 64.7 49.9 74.9



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

4000

3000

2000

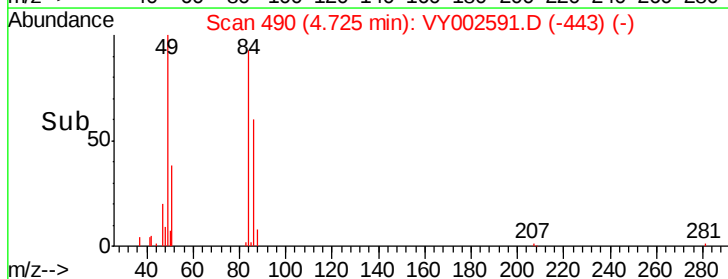
1000

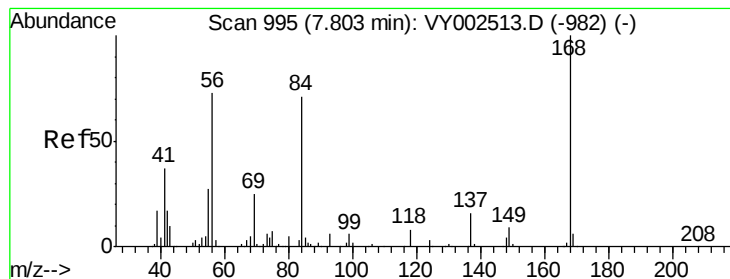
0

Time--> 4.60

4.70

4.80





#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA_Y

ClientSampleId :

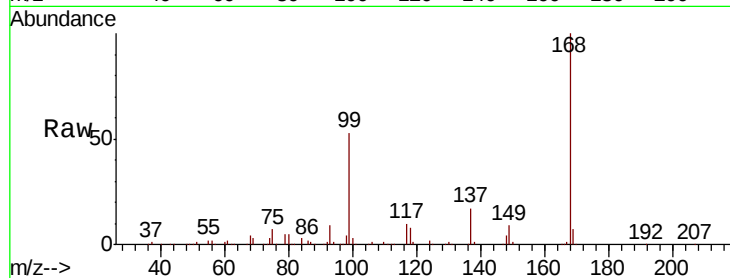
Tot Ion: 56 Resp: 5511

Ion Ratio Lower Upper

56 100

69 145.0 27.6 41.4#

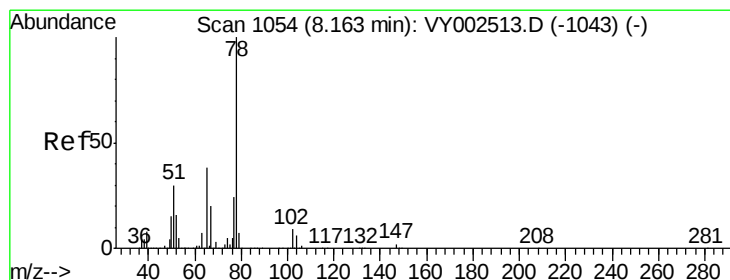
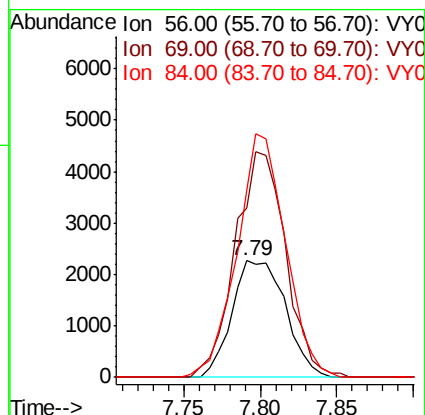
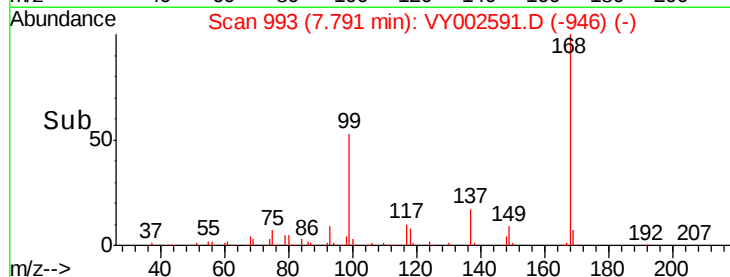
84 160.7 77.7 116.5#



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: 54.446 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002591.D

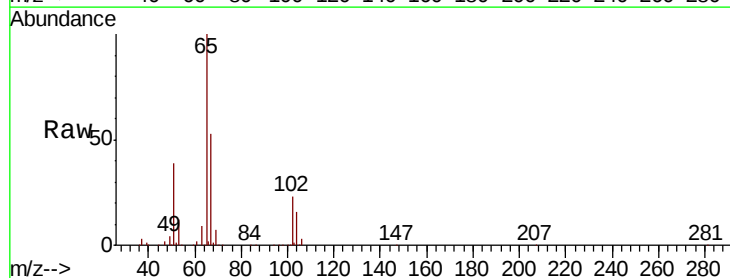
Acq: 05 May 2020 16:58

Tgt Ion: 65 Resp: 159447

Ion Ratio Lower Upper

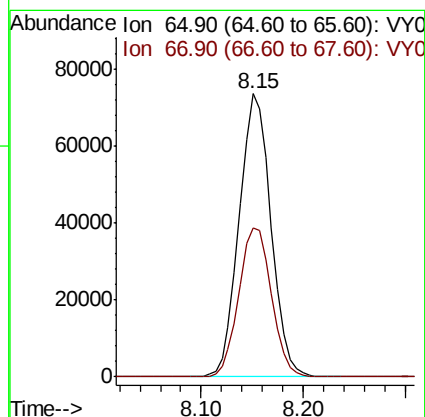
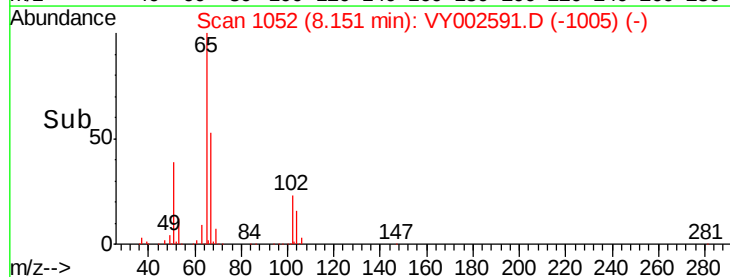
65 100

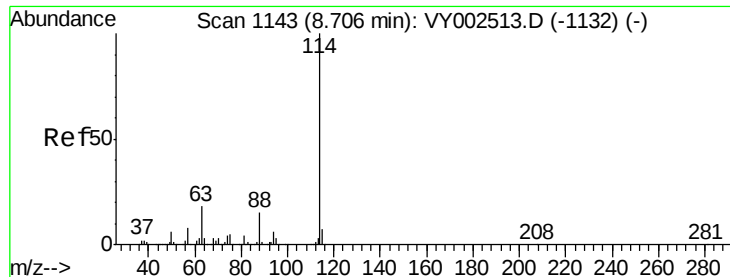
67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

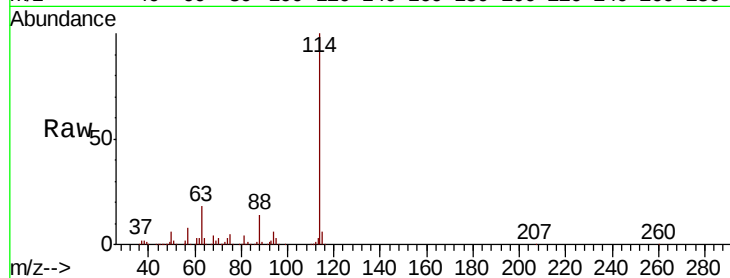




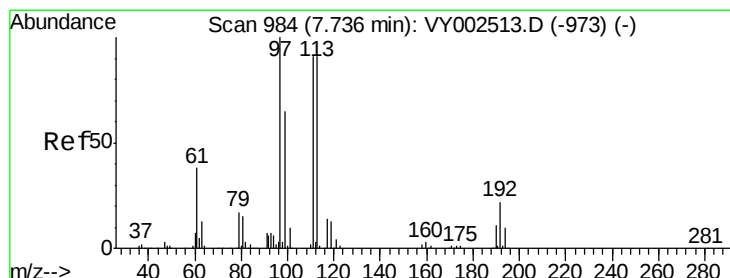
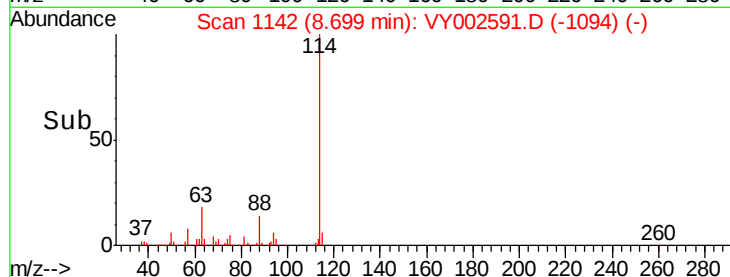
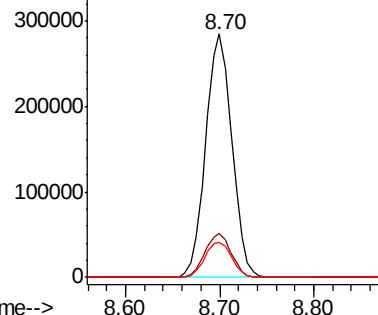
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002591.D
 Acq: 05 May 2020 16:58

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.4
88	14.4	0.0	29.6

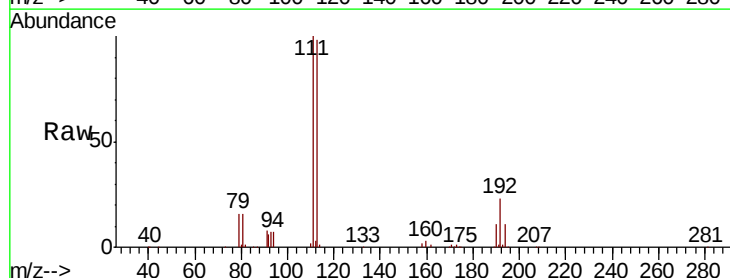


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

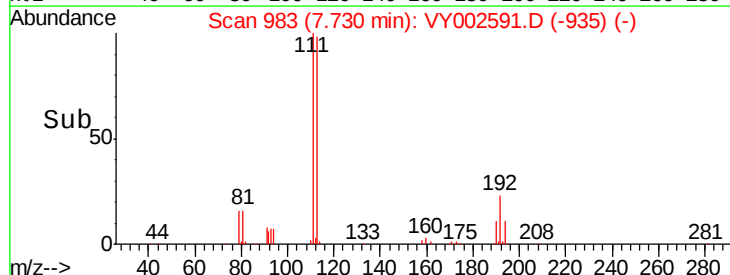
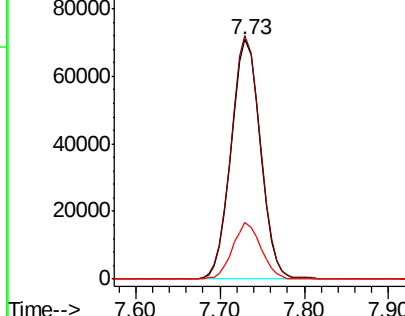


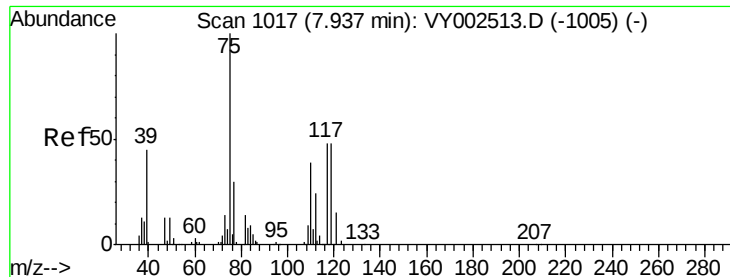
#35
 Dibromofluoromethane
 Concen: 52.552 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002591.D
 Acq: 05 May 2020 16:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	22.9	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

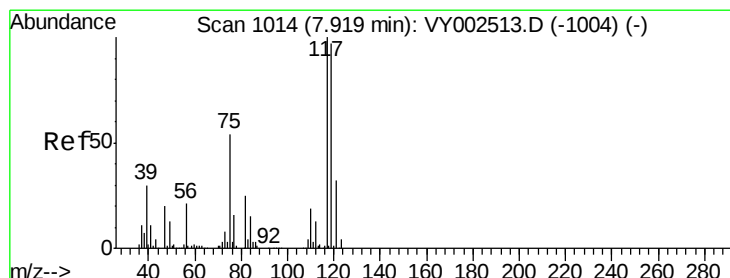
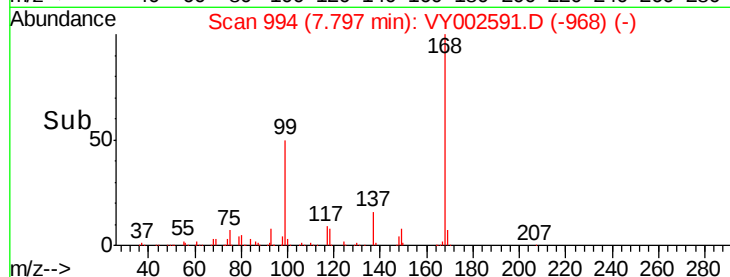
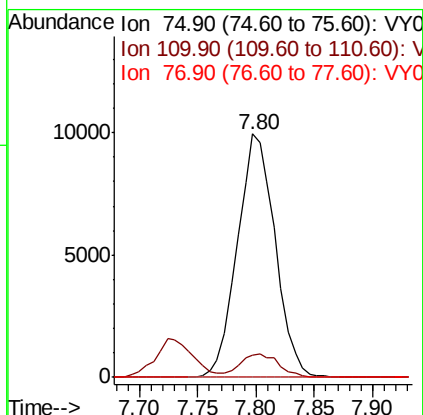
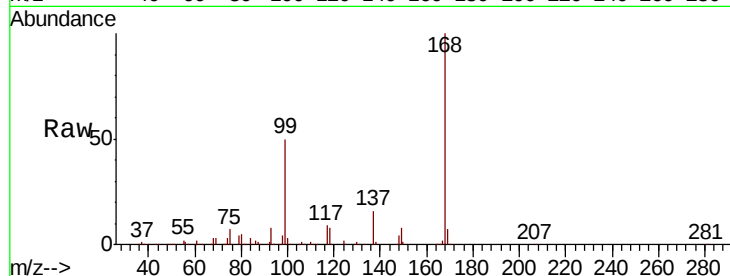




#36
 1,1-Dichloropropene
 Concen: 4.857 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002591.D
 Acq: 05 May 2020 16:58

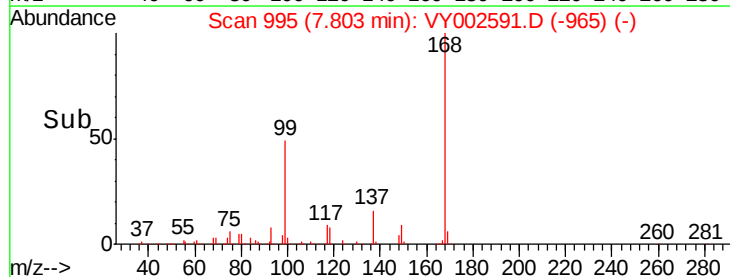
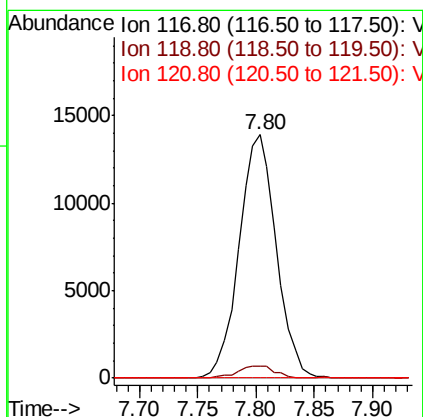
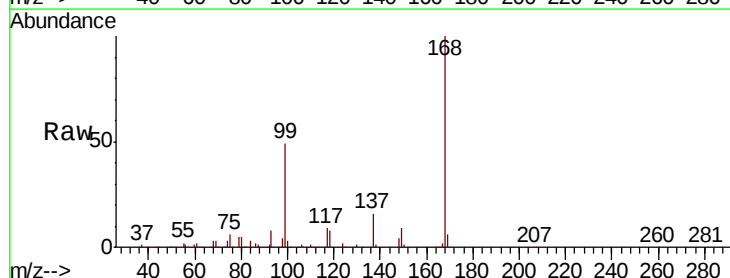
Instrument :
 MSVOA_Y
 ClientSampled :

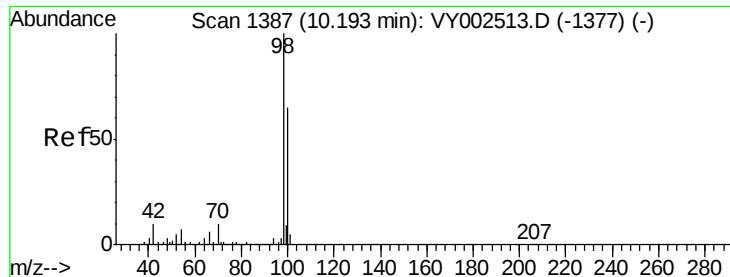
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.103 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002591.D
 Acq: 05 May 2020 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.092 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA_Y

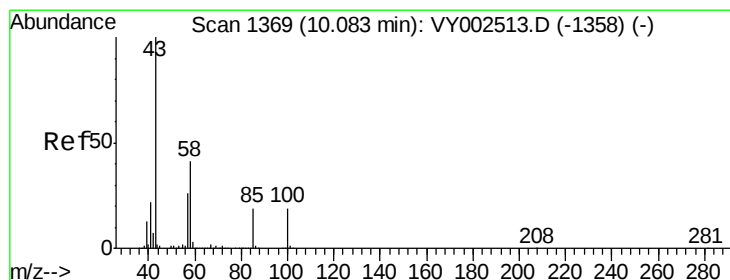
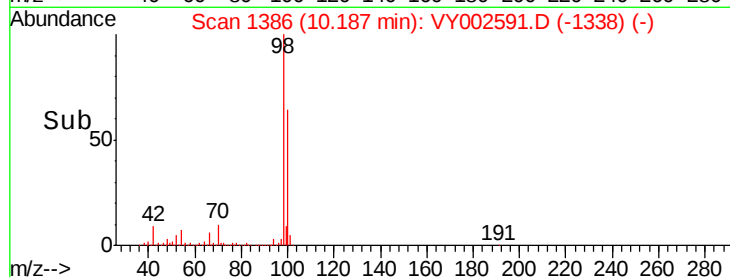
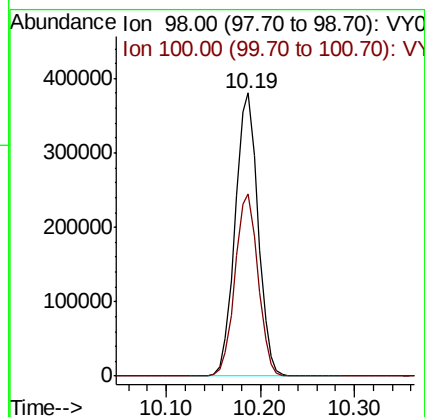
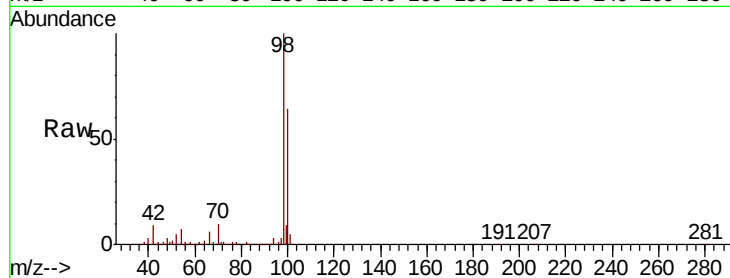
ClientSampleId :

Tot Ion: 98 Resp: 640768

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.024 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002591.D

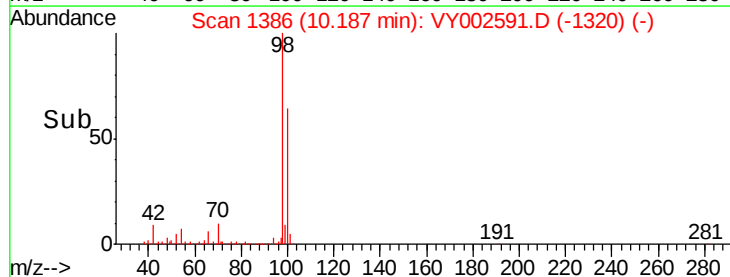
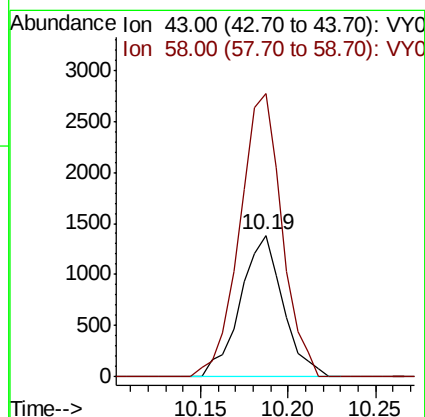
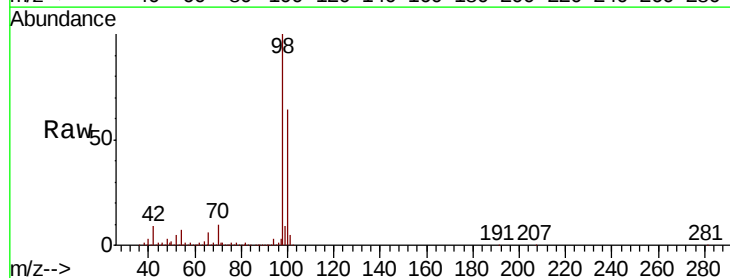
Acq: 05 May 2020 16:58

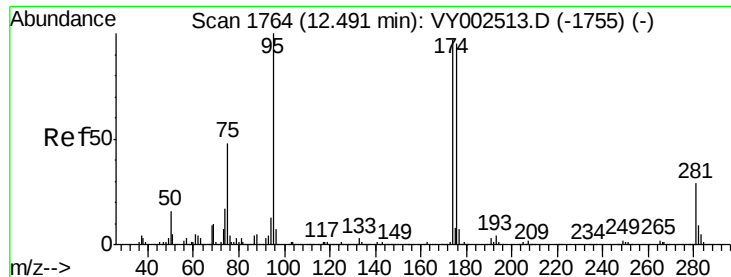
Tgt Ion: 43 Resp: 2347

Ion Ratio Lower Upper

43 100

58 198.1 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 47.726 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA_Y

ClientSampleId :

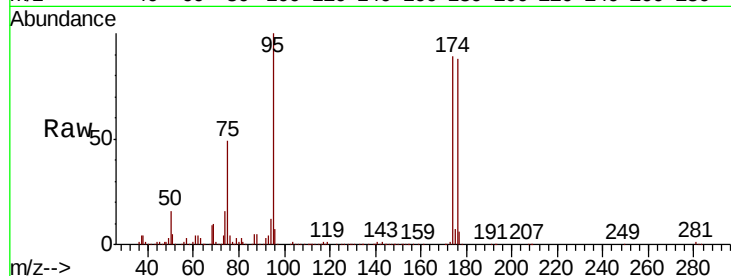
Tot Ion: 95 Resp: 199207

Ion Ratio Lower Upper

95 100

174 92.4 0.0 188.8

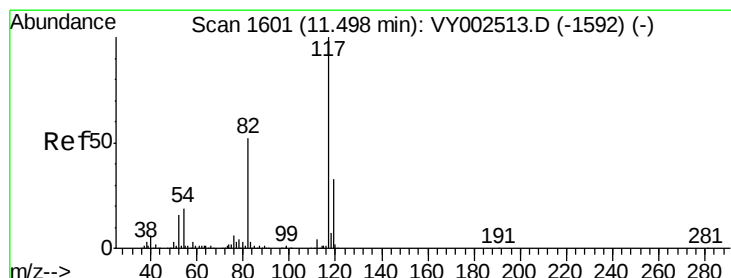
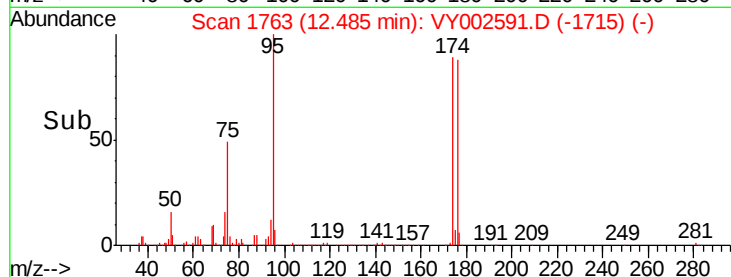
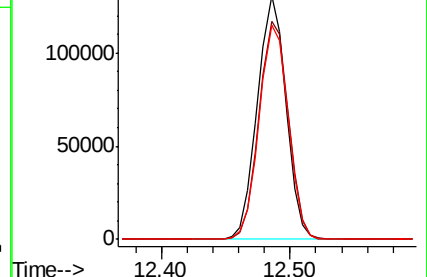
176 90.0 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

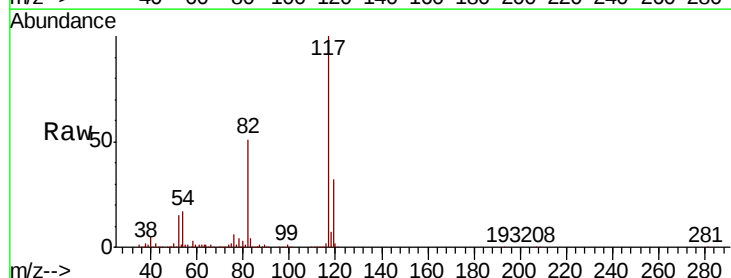
Tgt Ion: 117 Resp: 481556

Ion Ratio Lower Upper

117 100

82 51.1 41.3 61.9

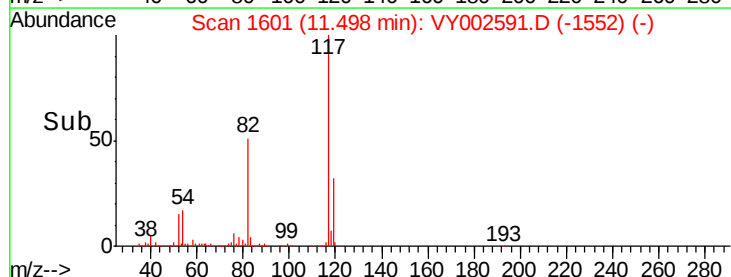
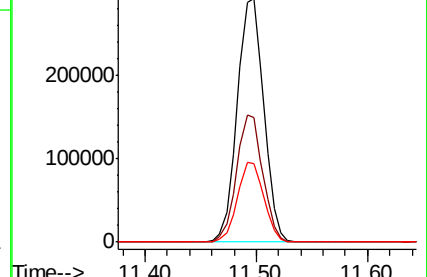
119 32.2 26.0 39.0

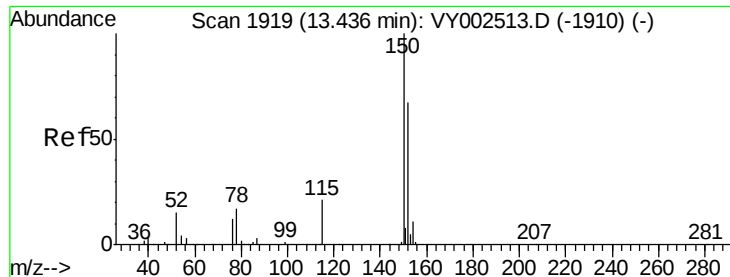


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA_Y

ClientSampled :

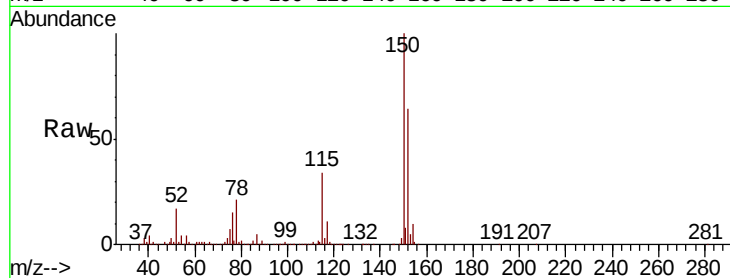
Tot Ion:152 Resp: 217523

Ion Ratio Lower Upper

152 100

115 54.3 27.5 82.4

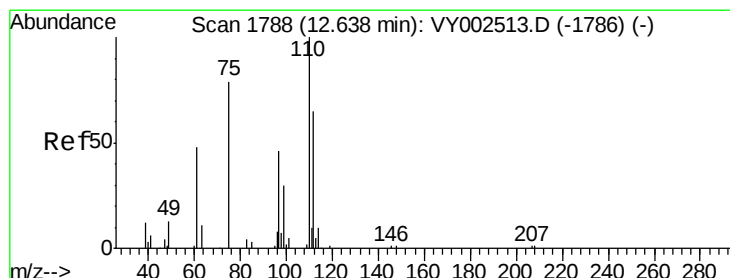
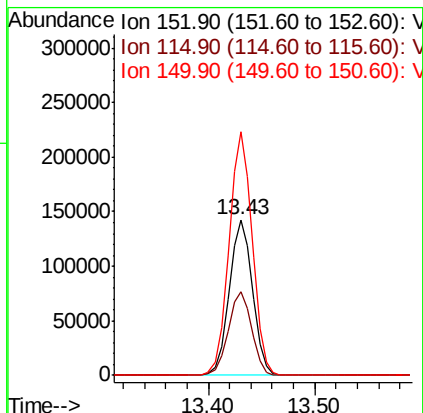
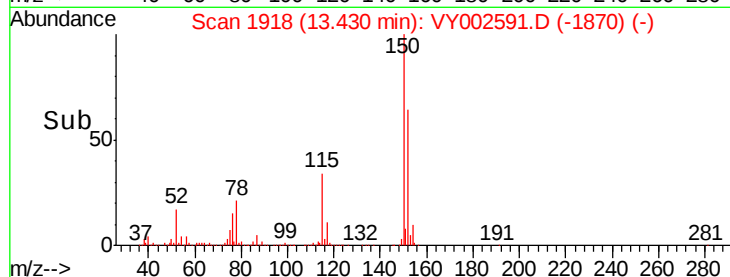
150 156.1 0.0 346.4



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: 49.676 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002591.D

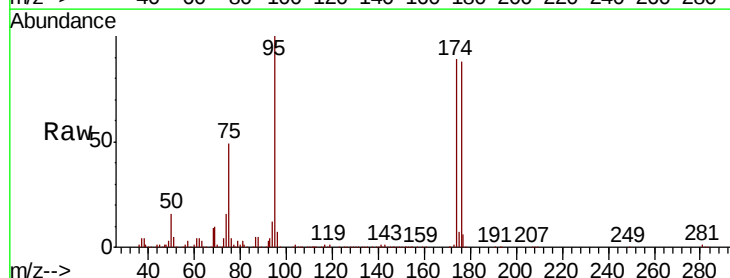
Acq: 05 May 2020 16:58

Tgt Ion: 75 Resp: 96027

Ion Ratio Lower Upper

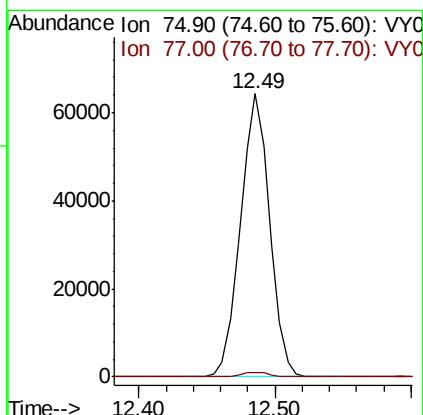
75 100

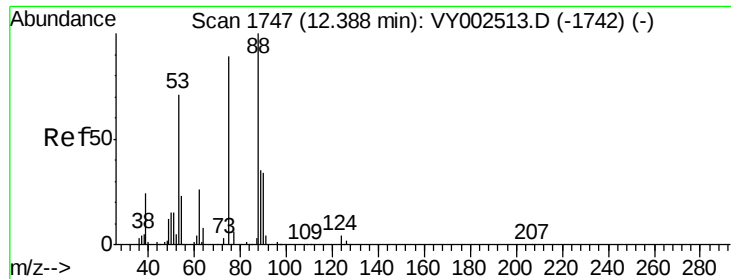
77 1.5 0.0 0.0#



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: 99.611 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 96027

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 37.4 56.0#

