

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY051220\
 Data File : VY002669.D
 Acq On : 12 May 2020 15:23
 Operator : SY/MD
 Sample : L2575-01RE
 Misc : 7.22G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28

Quant Time: May 13 02:25:08 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	340690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	535656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	487605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	249130	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	158439	55.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.62%	
35) Dibromofluoromethane	7.73	113	161663	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.18	98	619223	51.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.48	95	211596	52.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.26%	

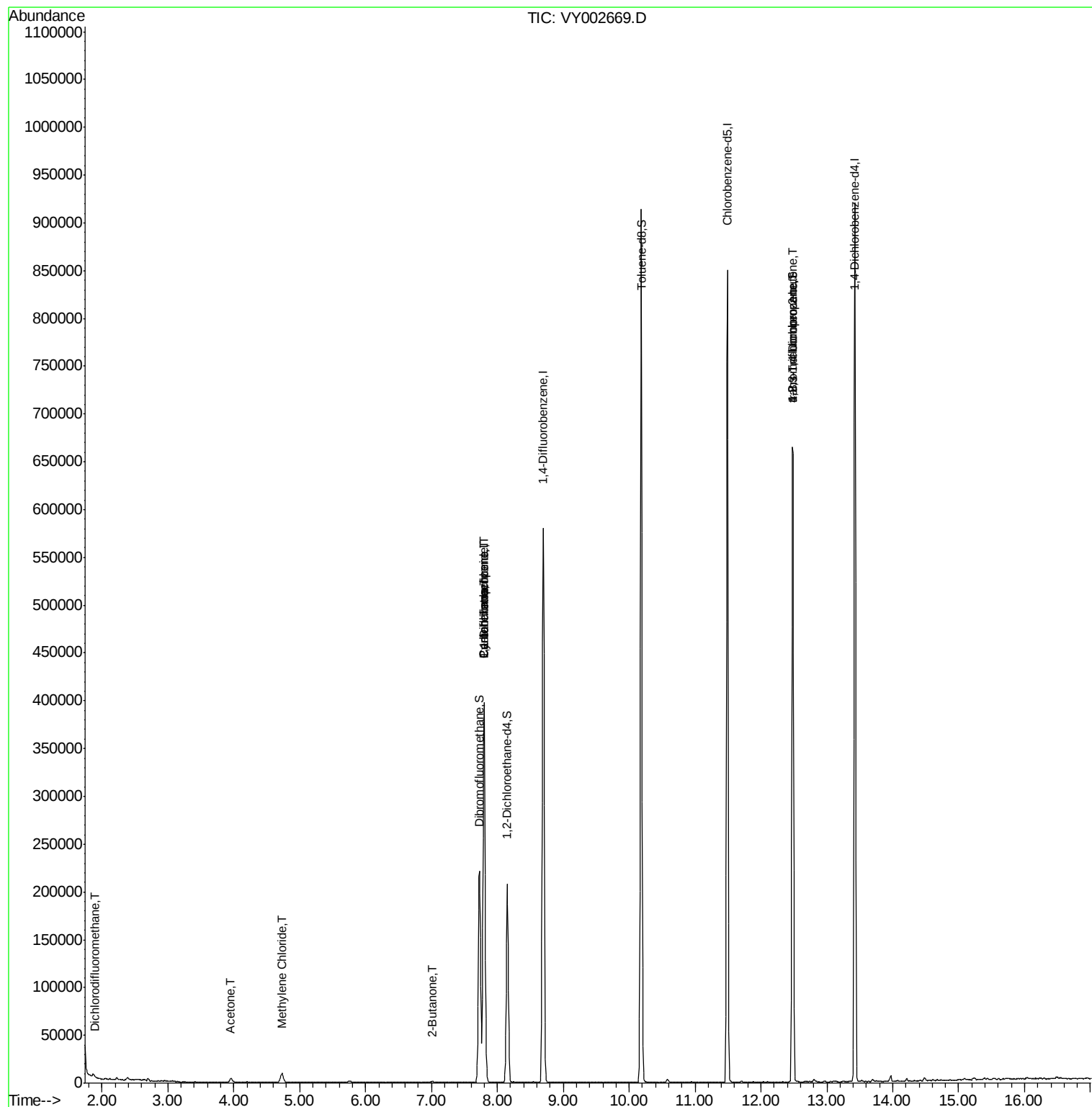
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	122	1.83	ug/l #	43
16) Acetone	3.96	43	7820	13.23	ug/l	96
20) Methylene Chloride	4.73	84	7620	2.30	ug/l	93
25) 2-Butanone	7.01	43	1364	1.41	ug/l #	88
31) Cyclohexane	7.80	56	5178	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20911	4.66	ug/l #	49
38) Carbon Tetrachloride	7.80	117	29957	6.11	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	101676	45.93	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	101676	92.09	ug/l #	15

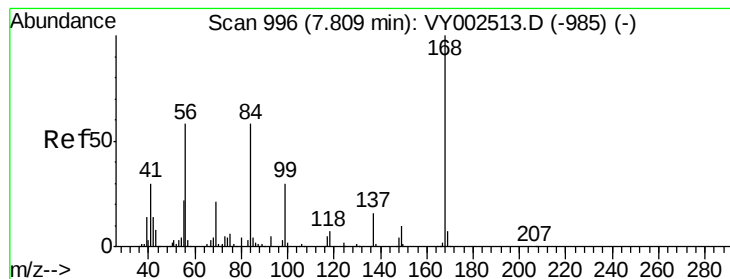
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

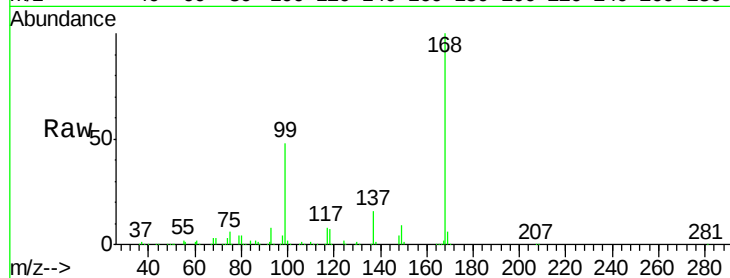
TP-28

Tgt Ion:168 Resp: 340690

Ion Ratio Lower Upper

168 100

99 47.6 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

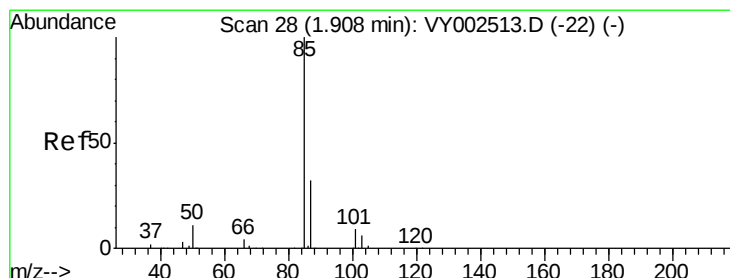
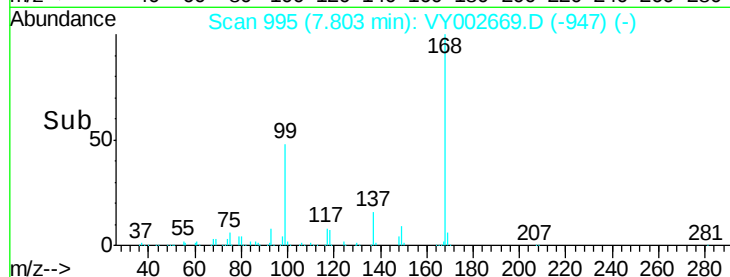
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.83 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002669.D

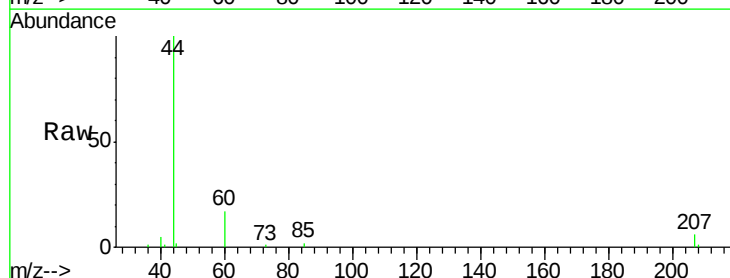
Acq: 12 May 2020 15:23

Tgt Ion: 85 Resp: 122

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

120

100

80

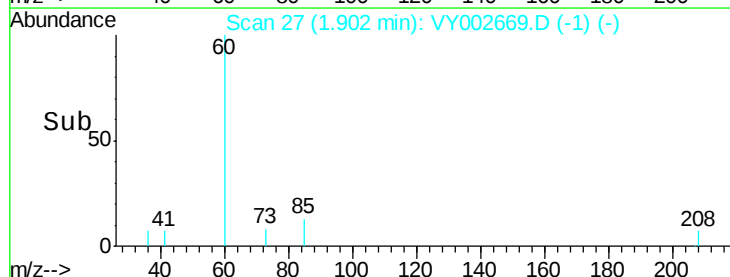
60

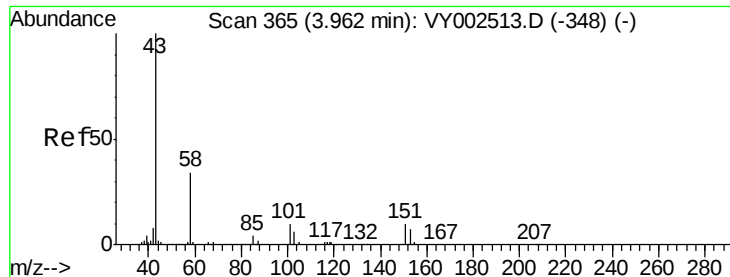
40

20

0

Time-->





#16

Acetone

Concen: 13.23 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampled :

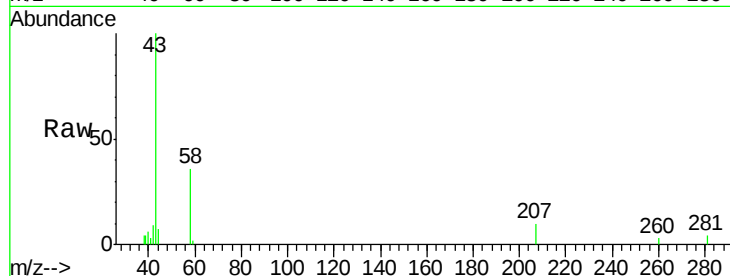
TP-28

Tgt Ion: 43 Resp: 7820

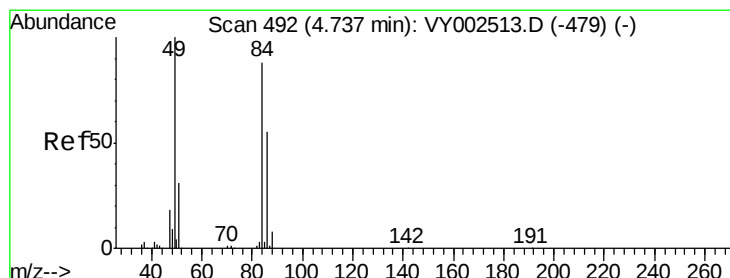
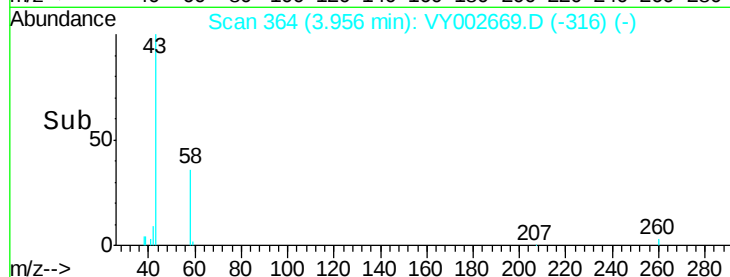
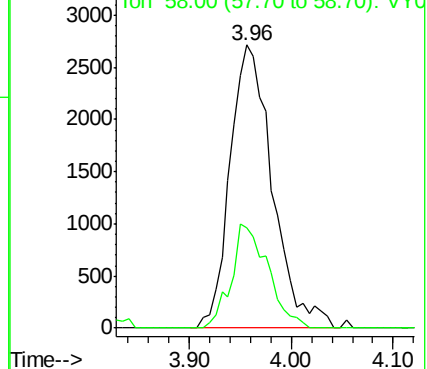
Ion Ratio Lower Upper

43 100

58 35.7 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)



#20

Methylene Chloride

Concen: 2.30 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Tgt Ion: 84 Resp: 7620

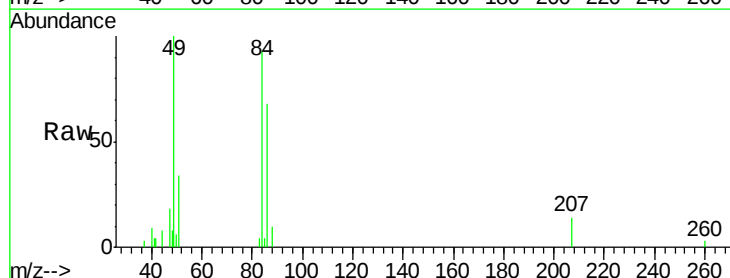
Ion Ratio Lower Upper

84 100

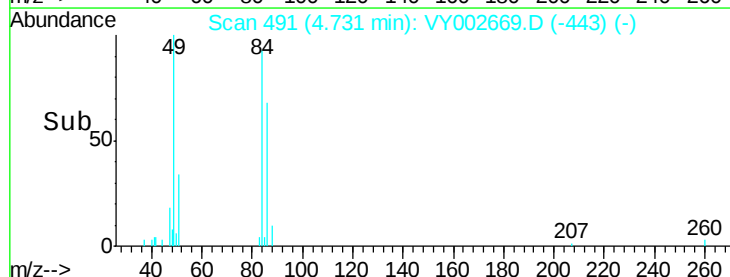
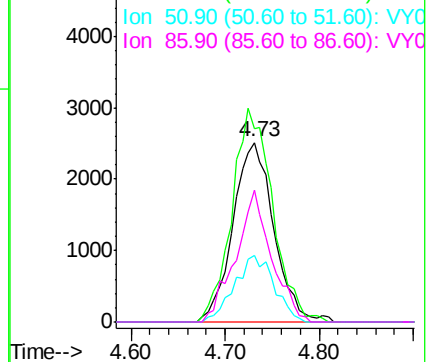
49 107.6 90.5 135.7

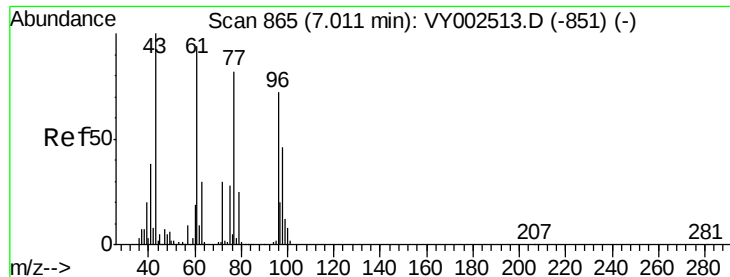
51 36.8 28.3 42.5

86 73.4 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VY002513.D (-479) (-)





#25

2-Butanone

Concen: 1.41 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampled :

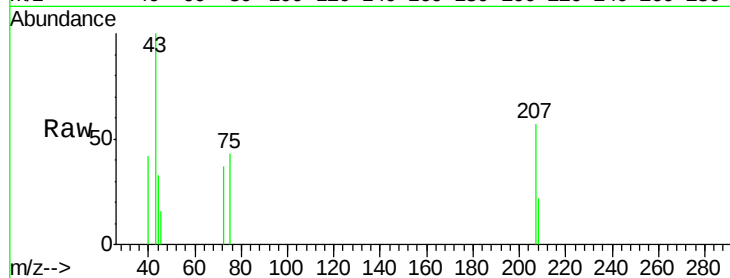
TP-28

Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

43 100

72 36.7 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.01

400

300

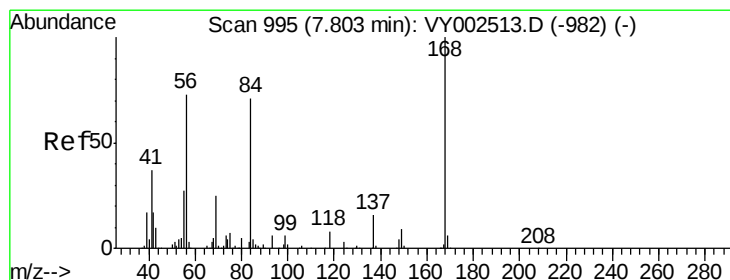
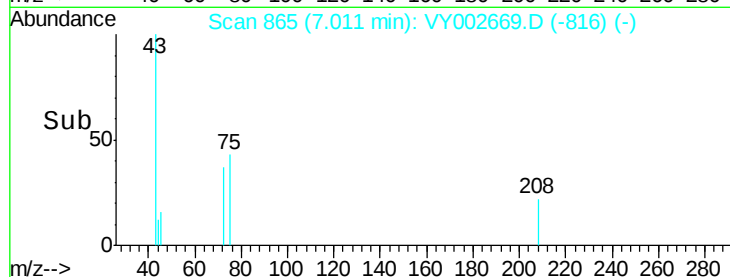
200

100

0

6.95 7.00 7.05

Time-->



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

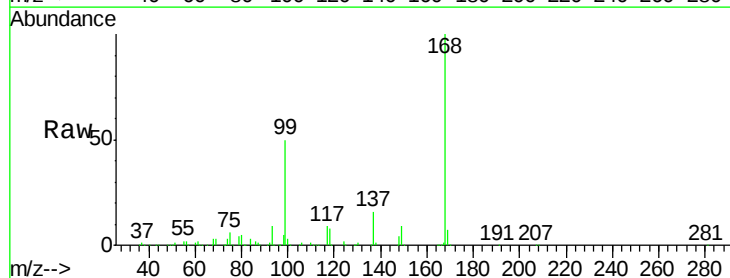
Tgt Ion: 56 Resp: 5178

Ion Ratio Lower Upper

56 100

69 185.1 27.6 41.4#

84 200.5 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

6000

5000

4000

3000

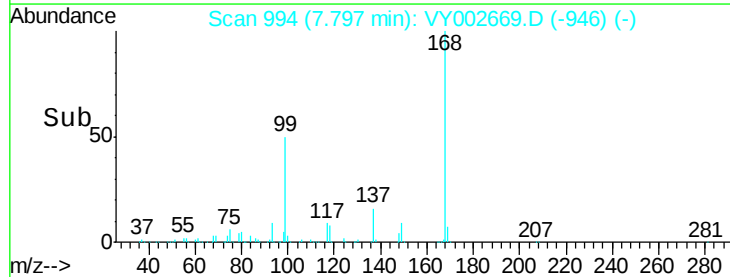
2000

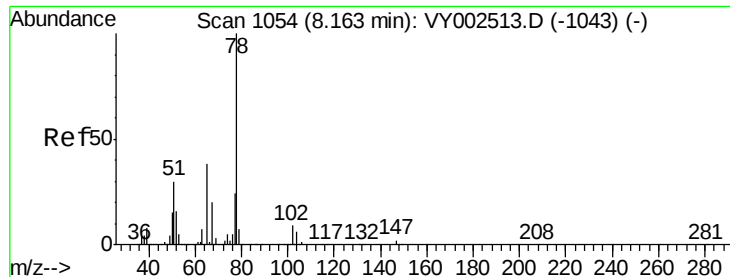
1000

0

7.70 7.75 7.80 7.85

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.31 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

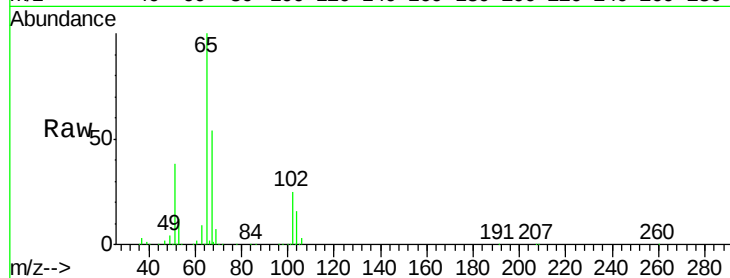
TP-28

Tgt Ion: 65 Resp: 158439

Ion Ratio Lower Upper

65 100

67 54.4 0.0 107.2



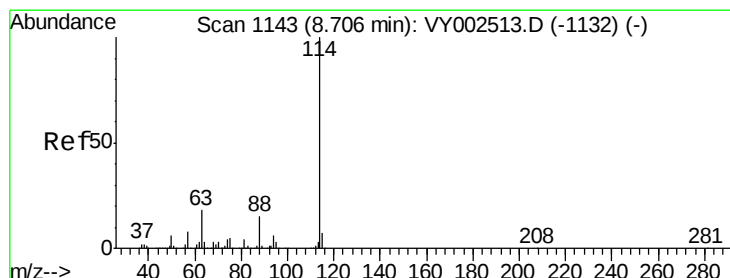
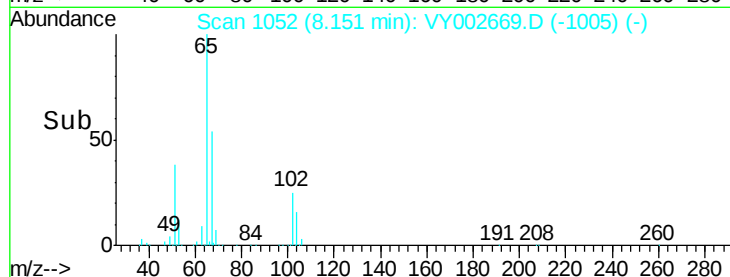
Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

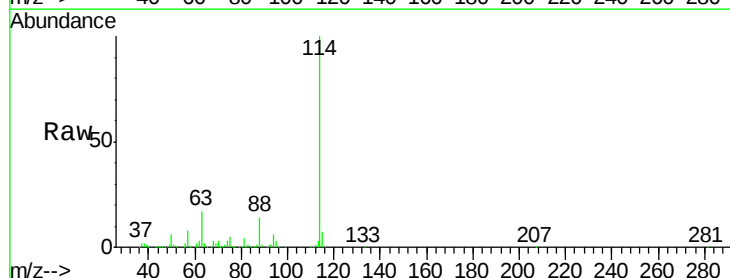
Tgt Ion: 114 Resp: 535656

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.4

88 14.5 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

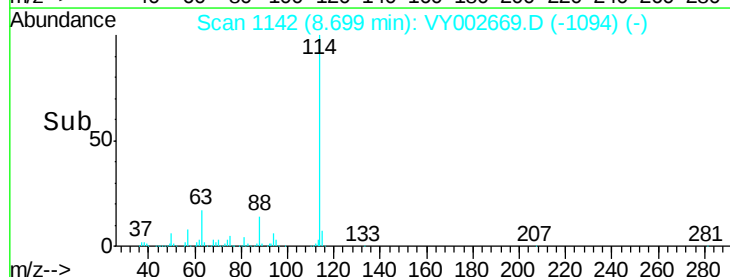
Ion 63.00 (62.70 to 63.70): VY0

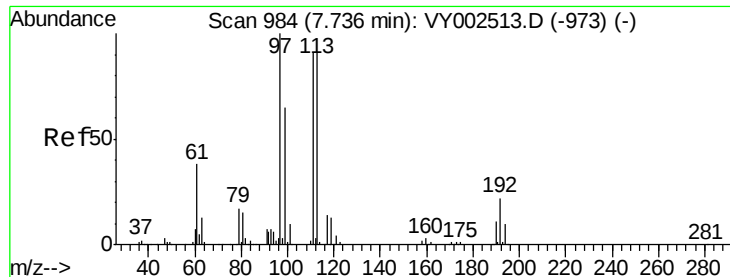
Ion 87.90 (87.60 to 88.60): VY0

8.70

8.80

Time-->

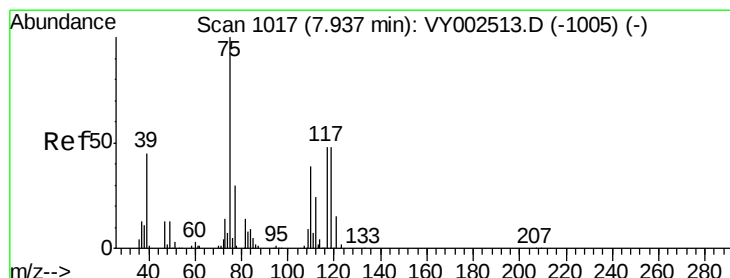
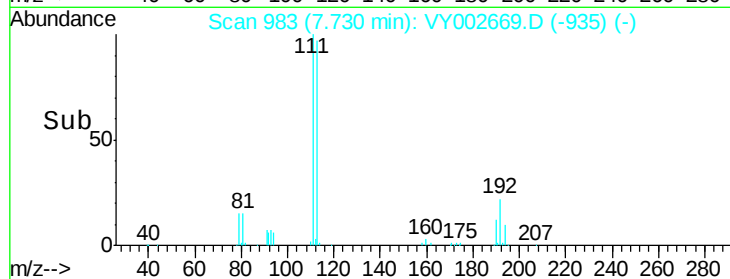
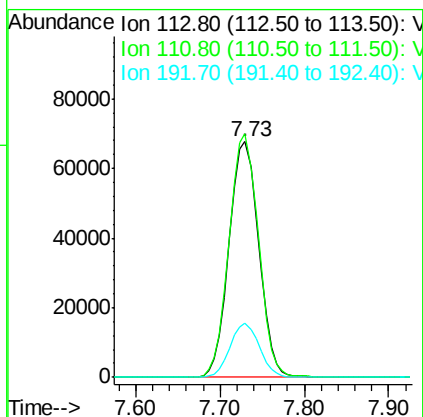
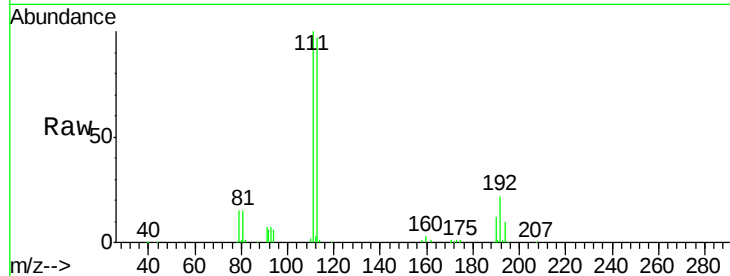




#35
 Dibromofluoromethane
 Concen: 52.77 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002669.D
 Acq: 12 May 2020 15:23

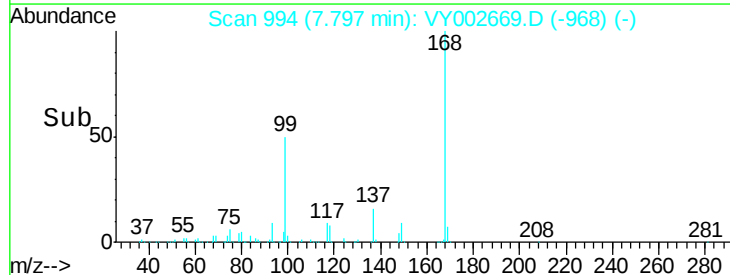
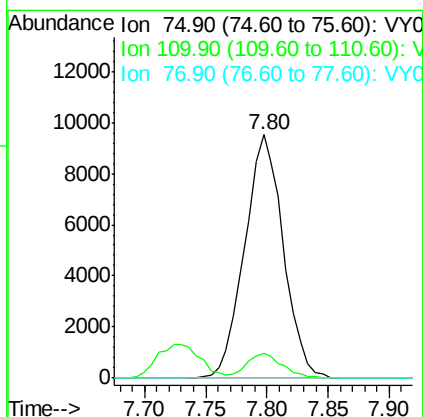
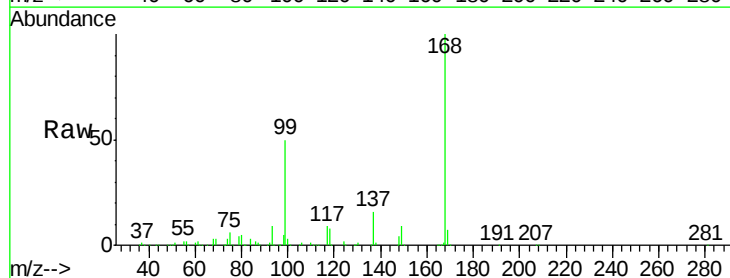
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28

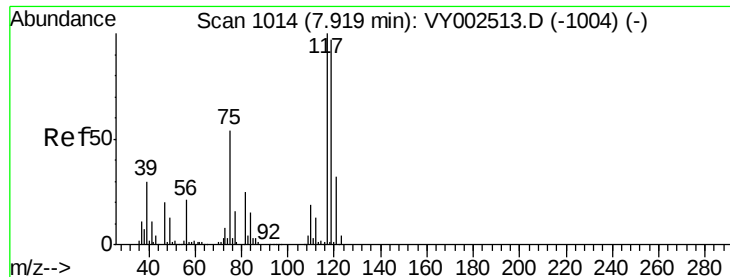
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.6	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.66 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002669.D
 Acq: 12 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.1	57.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.11 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-28

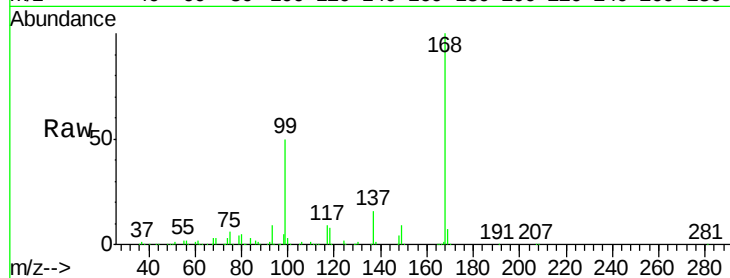
Tgt Ion:117 Resp: 29957

Ion Ratio Lower Upper

117 100

119 4.4 77.1 115.7#

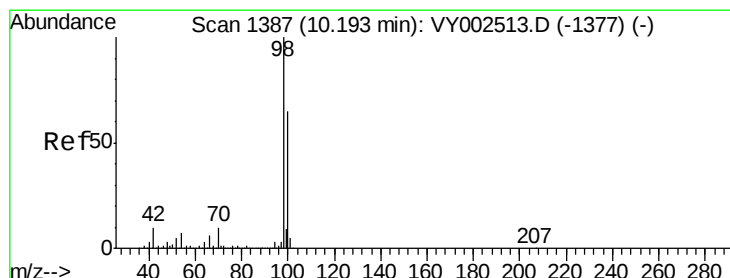
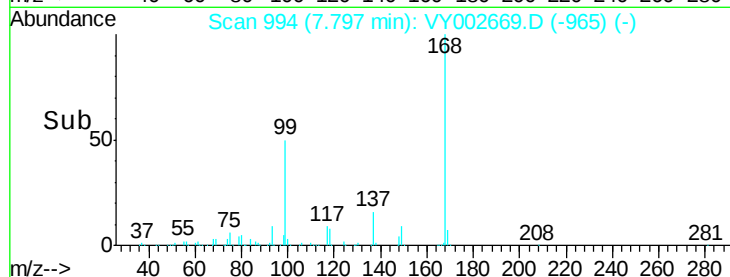
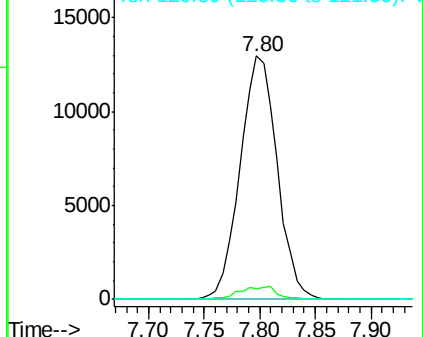
121 0.0 25.2 37.8#



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: 51.76 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002669.D

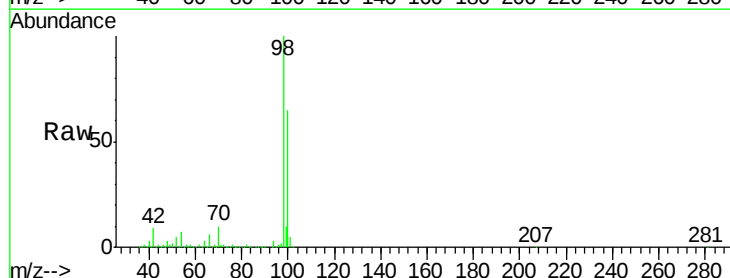
Acq: 12 May 2020 15:23

Tgt Ion: 98 Resp: 619223

Ion Ratio Lower Upper

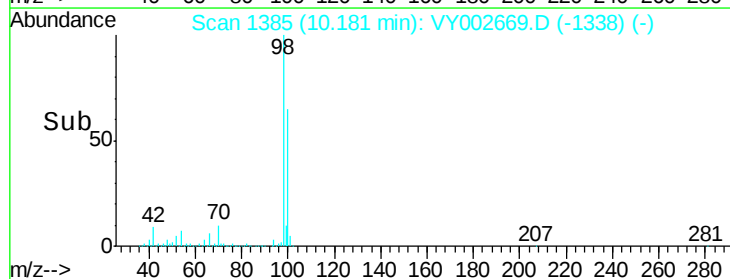
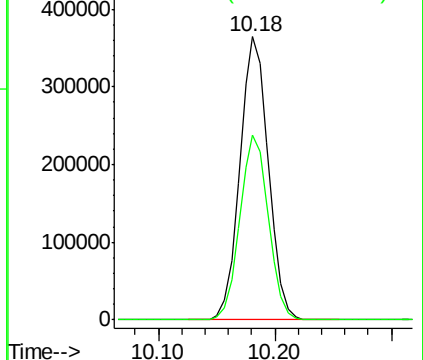
98 100

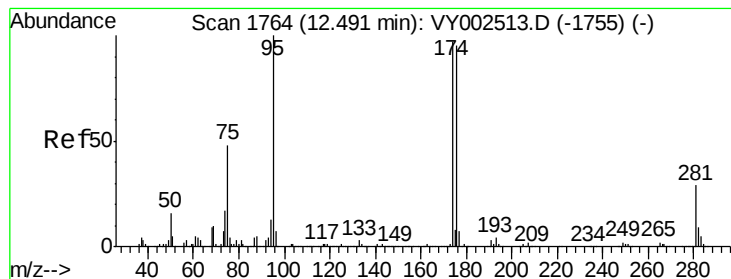
100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 52.13 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-28

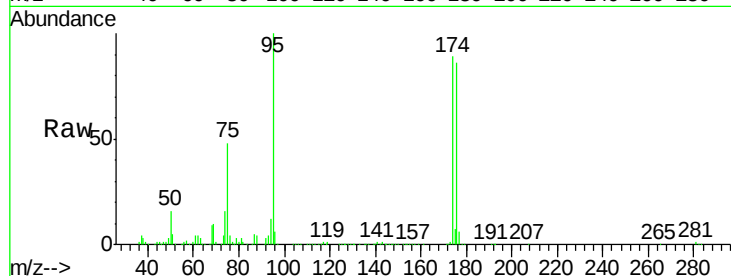
Tgt Ion: 95 Resp: 211596

Ion Ratio Lower Upper

95 100

174 93.9 0.0 188.8

176 91.4 0.0 183.2

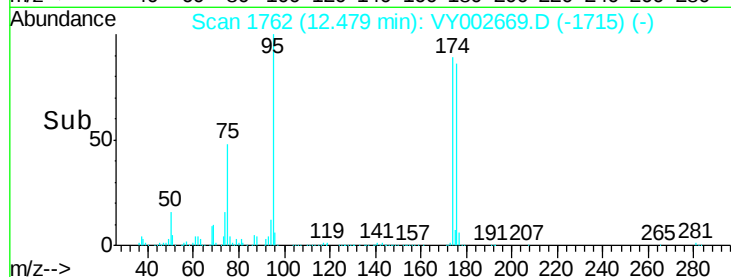


Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

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

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

Time-->

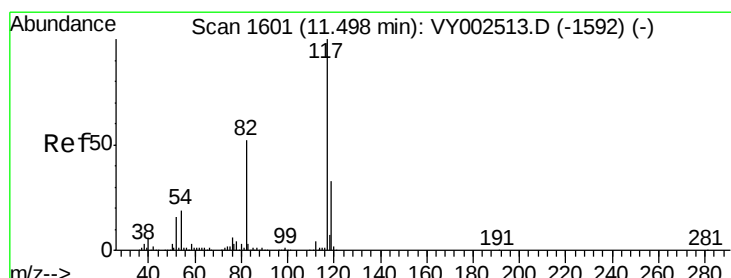


Abundance Ion 94.90 (94.60 to 95.60): VY002669.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY002669.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY002669.D (-1715) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

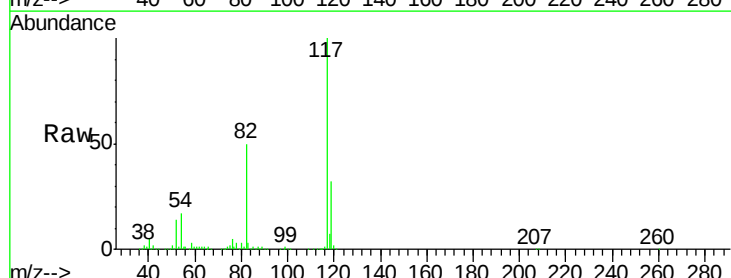
Tgt Ion: 117 Resp: 487605

Ion Ratio Lower Upper

117 100

82 50.1 41.3 61.9

119 32.3 26.0 39.0

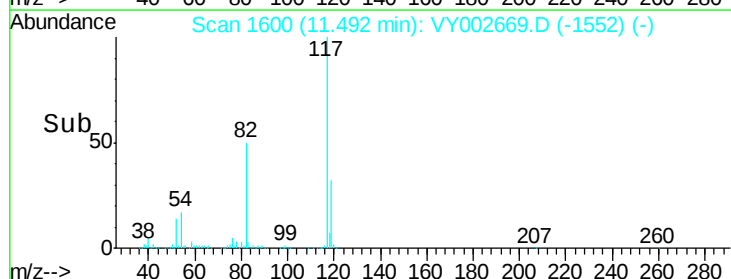


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

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

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

Time-->

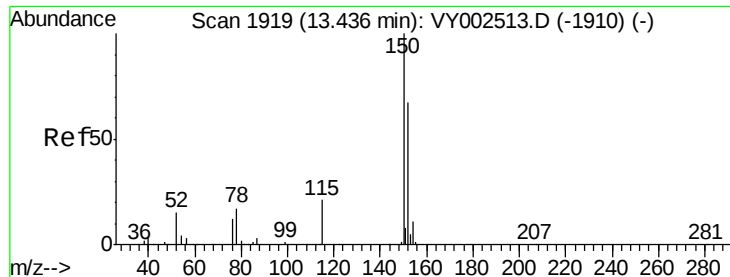


Abundance Ion 116.90 (116.60 to 117.60): VY002669.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002669.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002669.D (-1552) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampled :

TP-28

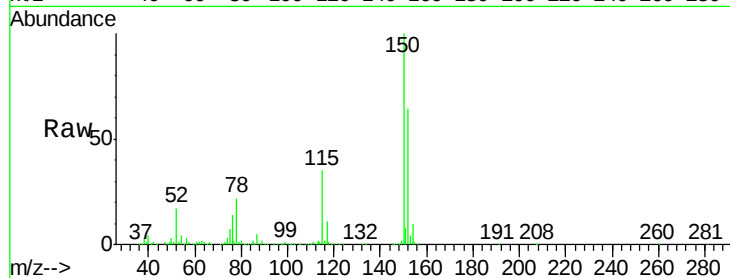
Tgt Ion:152 Resp: 249130

Ion Ratio Lower Upper

152 100

115 54.2 27.5 82.4

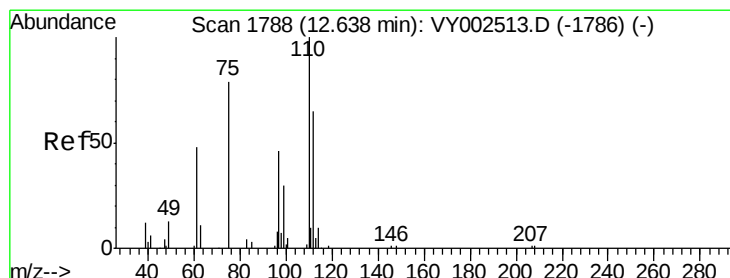
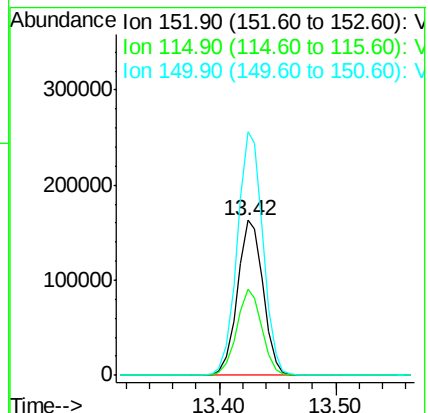
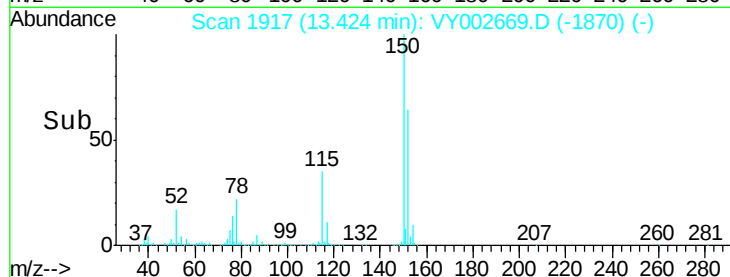
150 157.4 0.0 346.4



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: 45.93 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002669.D

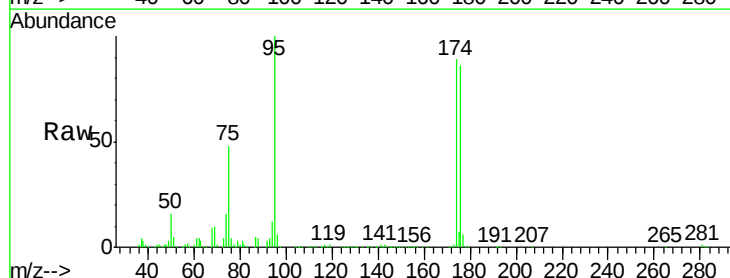
Acq: 12 May 2020 15:23

Tgt Ion: 75 Resp: 101676

Ion Ratio Lower Upper

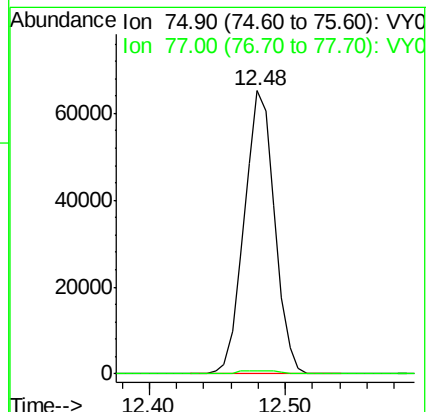
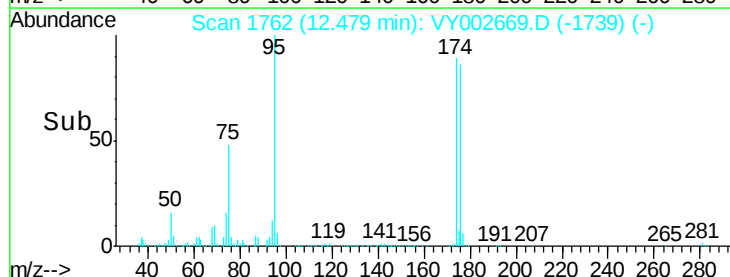
75 100

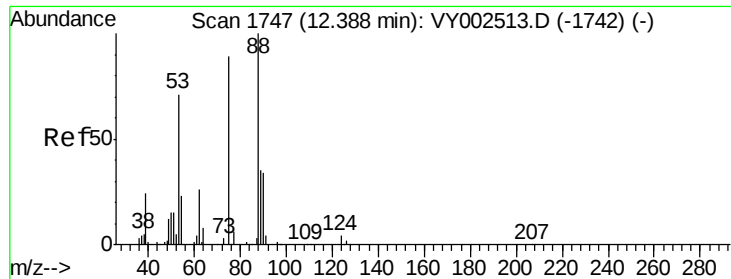
77 1.5 0.0 0.0#



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: 92.09 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002669.D

Acq: 12 May 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-28

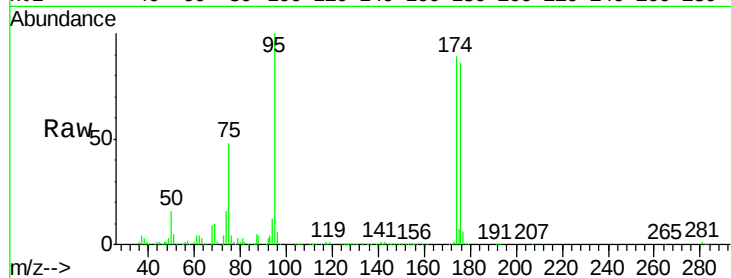
Tgt Ion: 75 Resp: 101676

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

