

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002581.D
 Acq On : 05 May 2020 13:14
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 06 03:18:38 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	7.81	168	387607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	587403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	528632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	276442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	162214	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
35) Dibromofluoromethane	7.74	113	170641	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.19	98	672971	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.49	95	229568	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

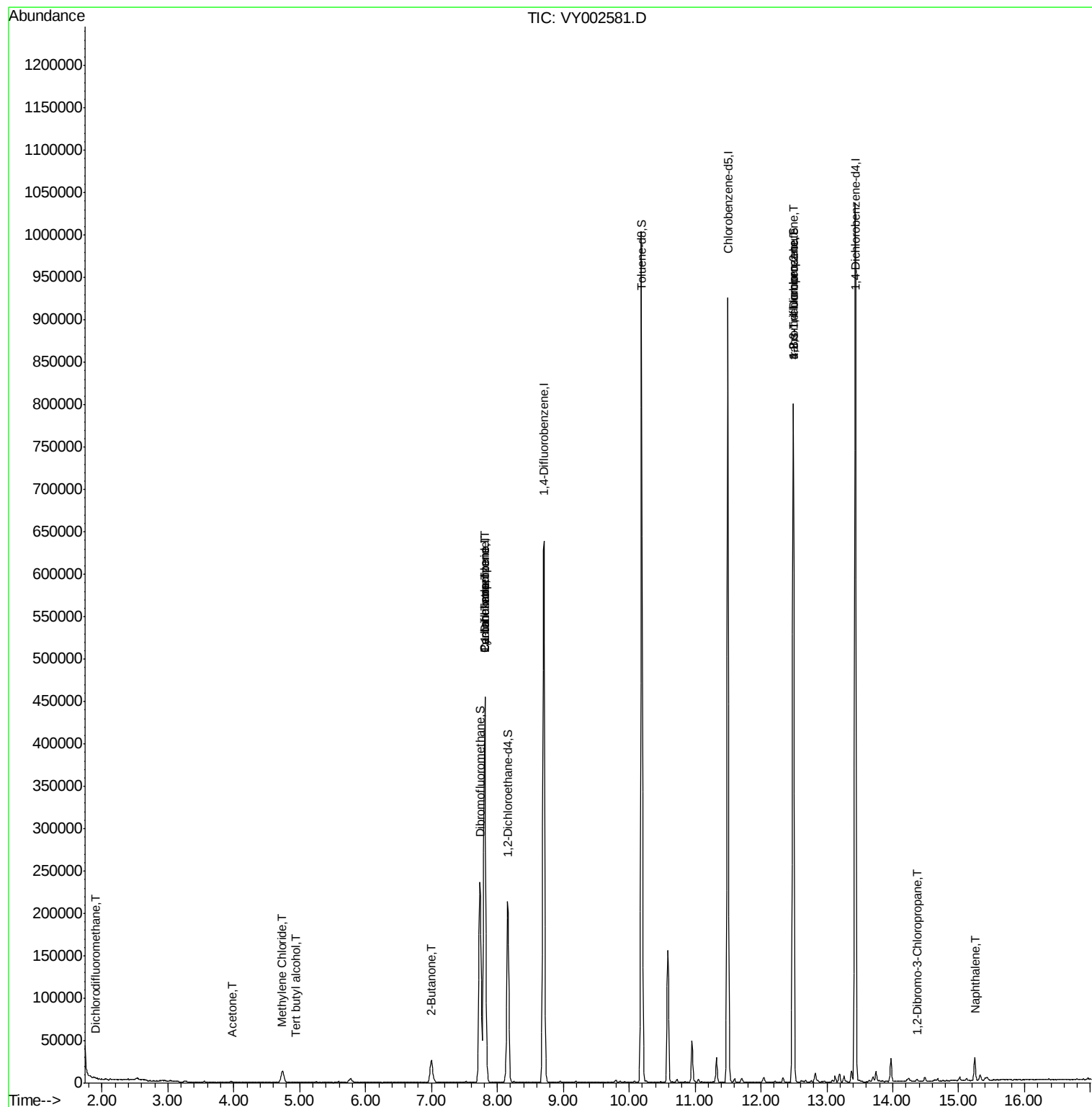
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	241	1.857	ug/l #	43
11) Tert butyl alcohol	4.95	59	531	1.584	ug/l #	74
16) Acetone	3.97	43	1536	2.284	ug/l	96
20) Methylene Chloride	4.74	84	11060	2.941	ug/l	90
25) 2-Butanone	7.00	43	1571	1.427	ug/l #	72
31) Cyclohexane	7.81	56	6241	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	24759	5.028	ug/l #	49
38) Carbon Tetrachloride	7.80	117	36098	6.715	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	111559	45.411	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	111559	91.058	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.36	75	685	1.290	ug/l	77
95) Naphthalene	15.24	128	23614	2.359	ug/l	98

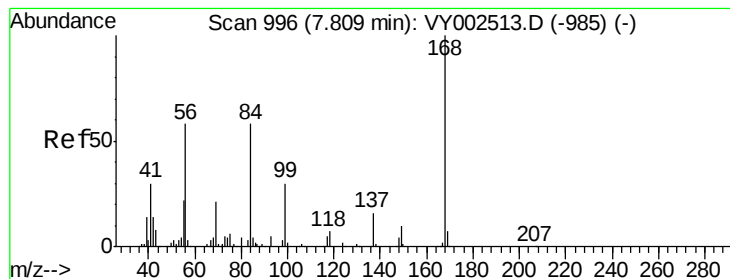
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
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: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

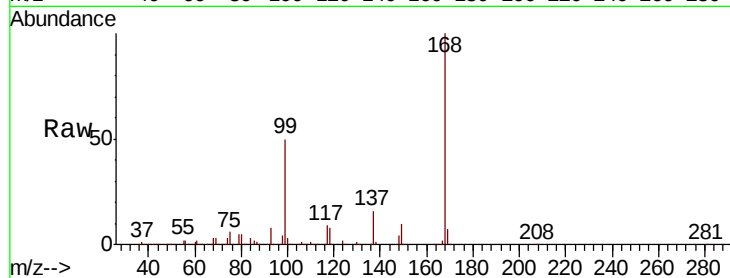
VIBLK

Tot Ion:168 Resp: 387607

Ion Ratio Lower Upper

168 100

99 49.7 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) (-)

7.81

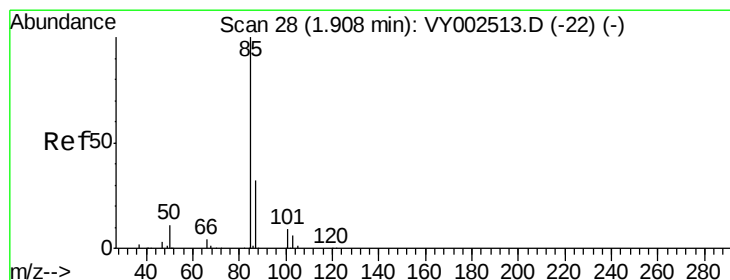
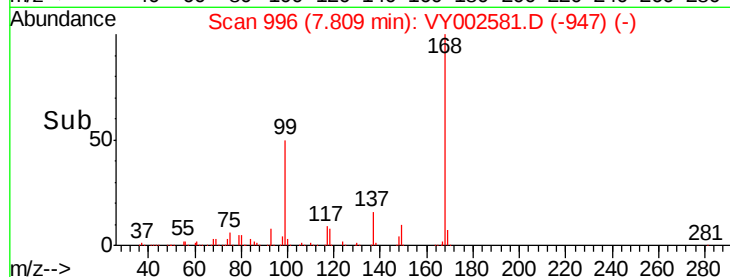
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.857 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002581.D

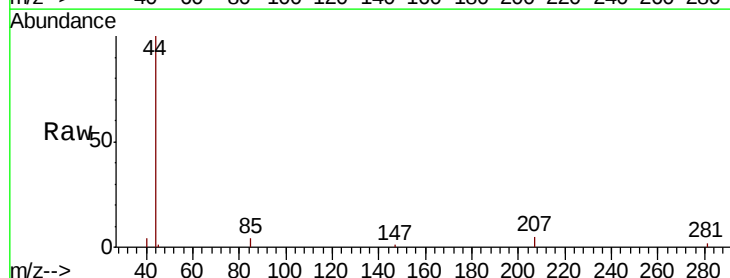
Acq: 05 May 2020 13:14

Tgt Ion: 85 Resp: 241

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) (-)

1.91

200

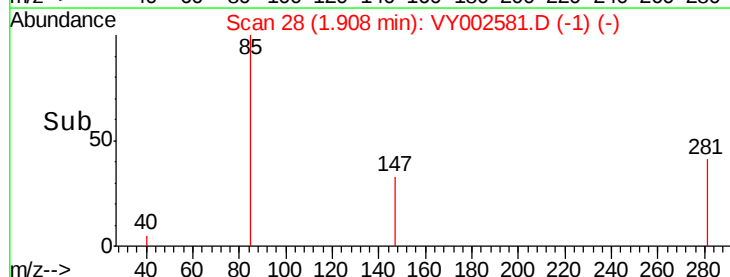
150

100

50

0

Time-->

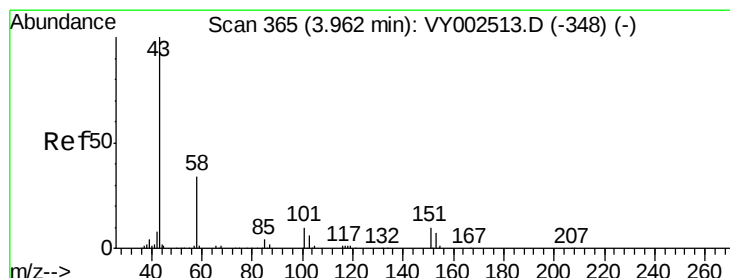
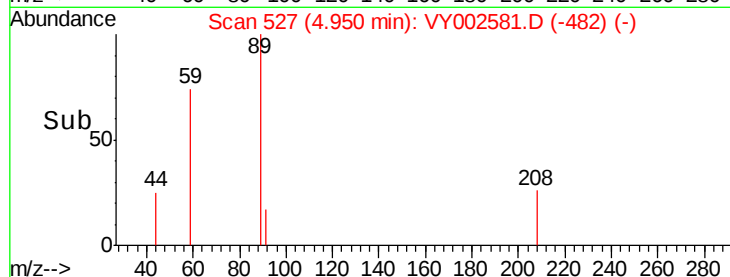
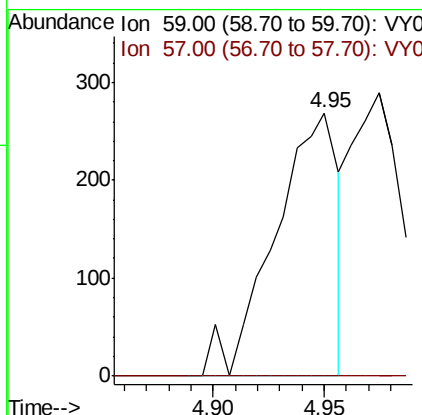
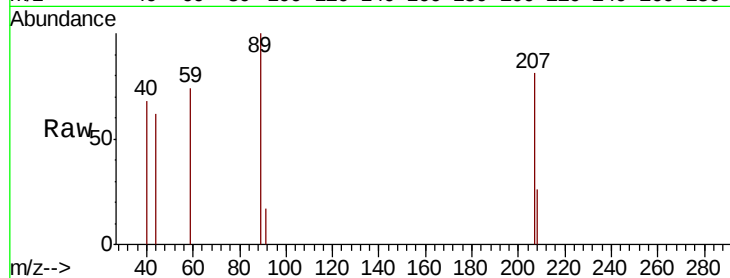




#11
Tert butyl alcohol
Concen: 1.584 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY002581.D
Acq: 05 May 2020 13:14

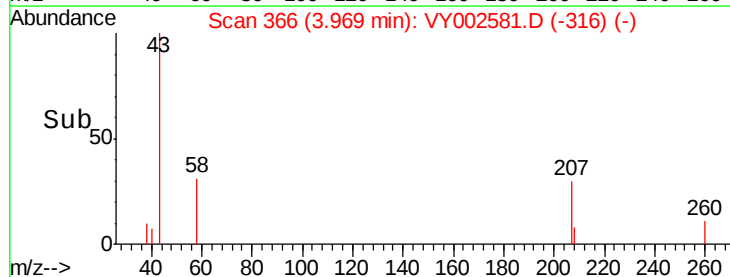
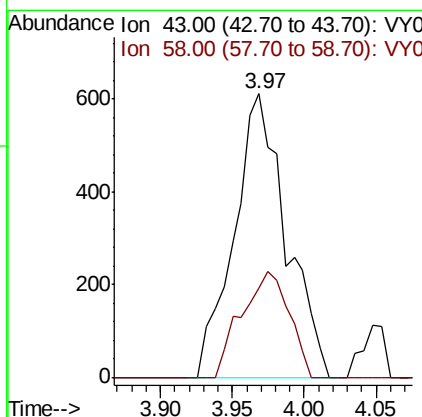
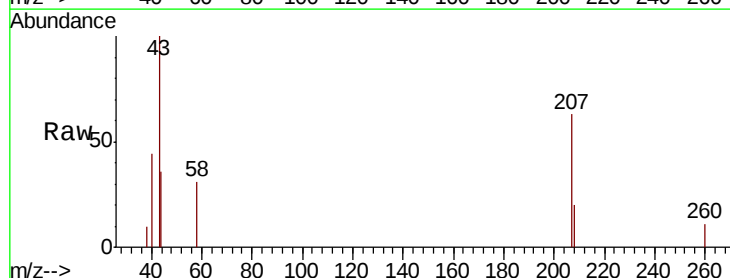
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

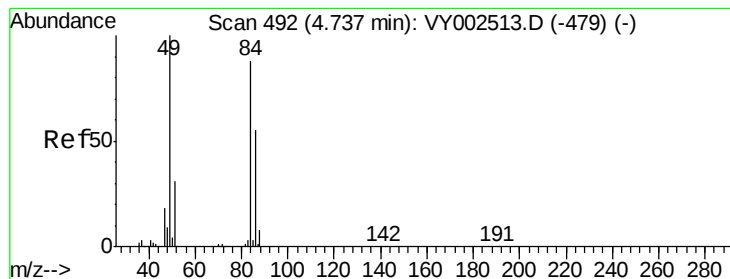
Tot Ion: 59 Resp: 531
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.284 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY002581.D
Acq: 05 May 2020 13:14

Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
58 31.3 26.9 40.3





#20

Methylene Chloride

Concen: 2.941 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tot Ion: 84 Resp: 11060

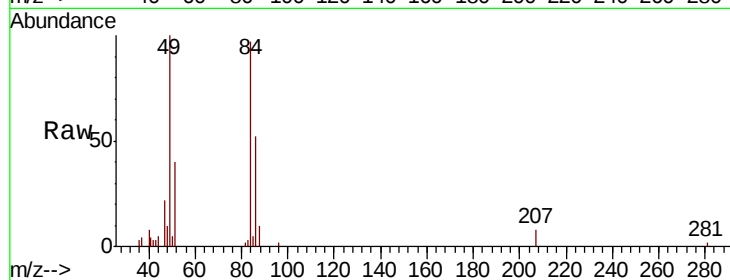
Ion Ratio Lower Upper

84 100

49 103.4 90.5 135.7

51 41.7 28.3 42.5

86 53.9 49.9 74.9

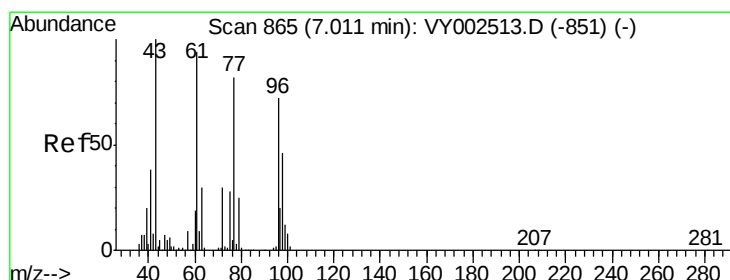
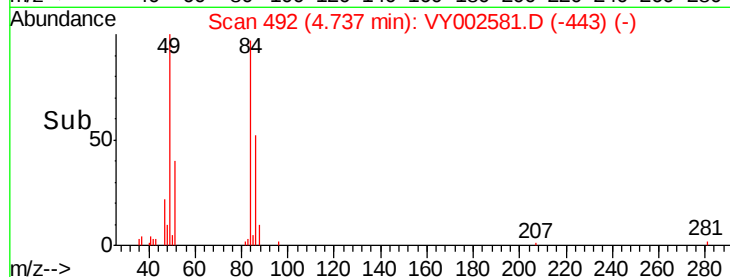
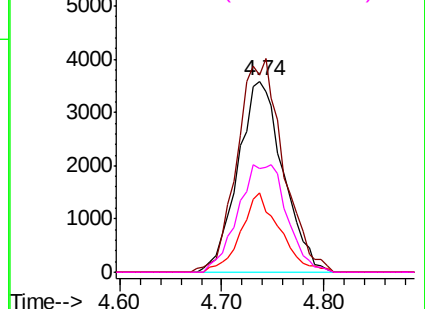


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#25

2-Butanone

Concen: 1.427 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002581.D

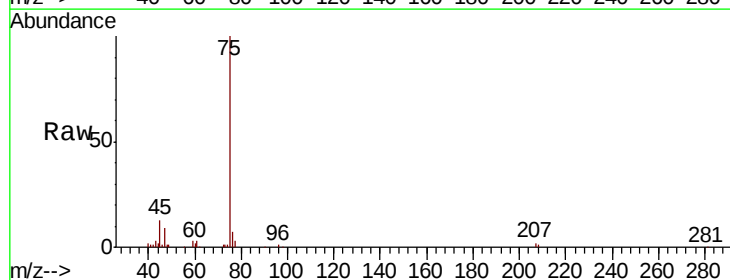
Acq: 05 May 2020 13:14

Tgt Ion: 43 Resp: 1571

Ion Ratio Lower Upper

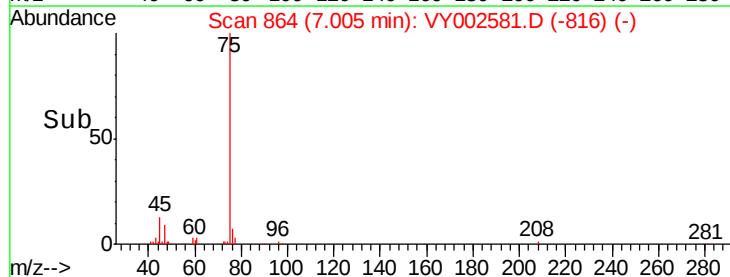
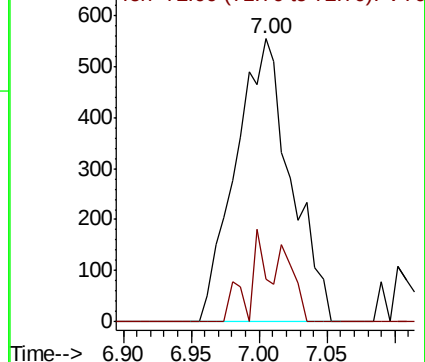
43 100

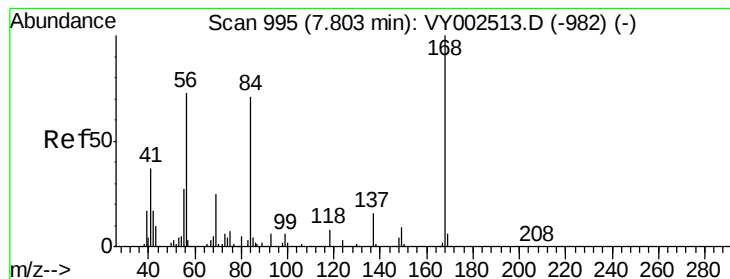
72 15.2 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

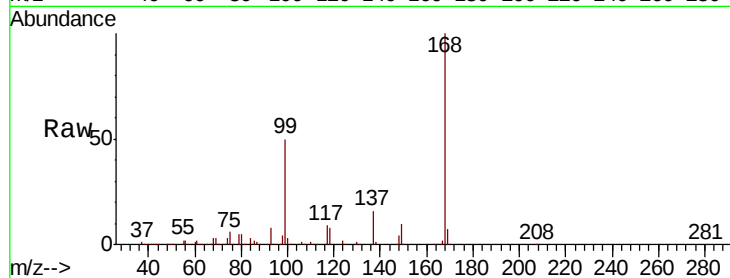
Tot Ion: 56 Resp: 6241

Ion Ratio Lower Upper

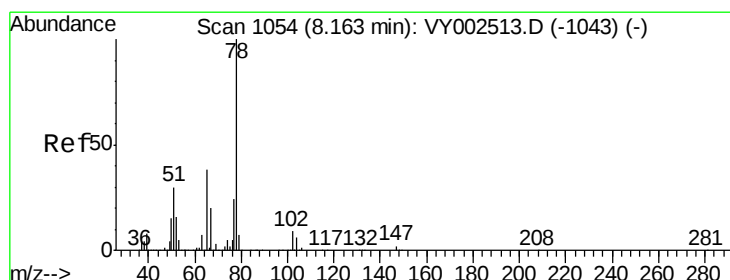
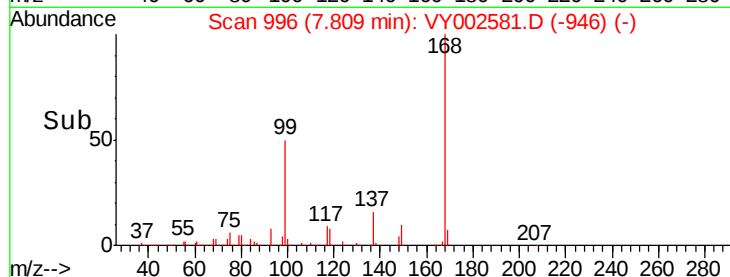
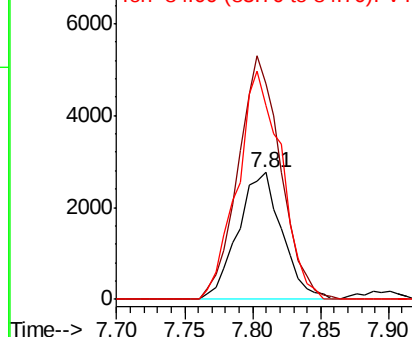
56 100

69 170.6 27.6 41.4#

84 153.0 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: 49.773 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002581.D

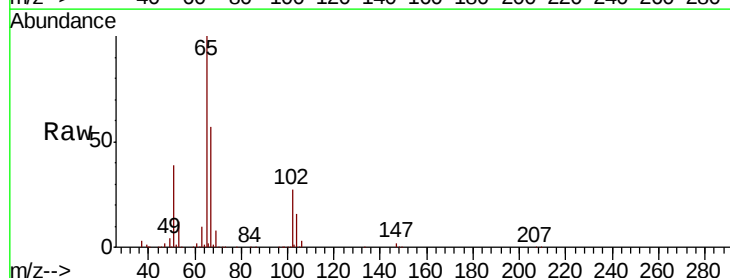
Acq: 05 May 2020 13:14

Tgt Ion: 65 Resp: 162214

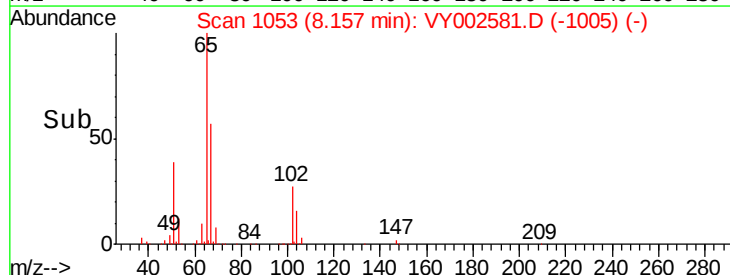
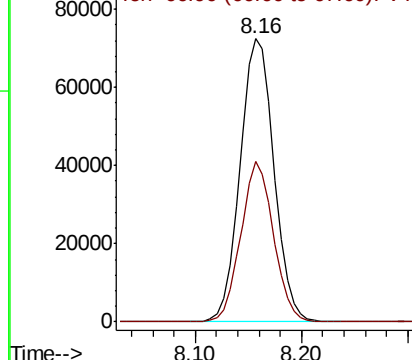
Ion Ratio Lower Upper

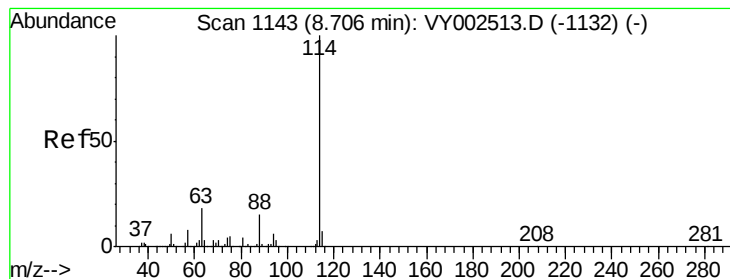
65 100

67 54.6 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: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

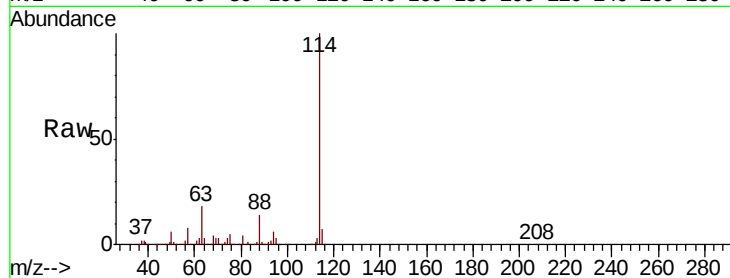
Tot Ion:114 Resp: 587403

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.4

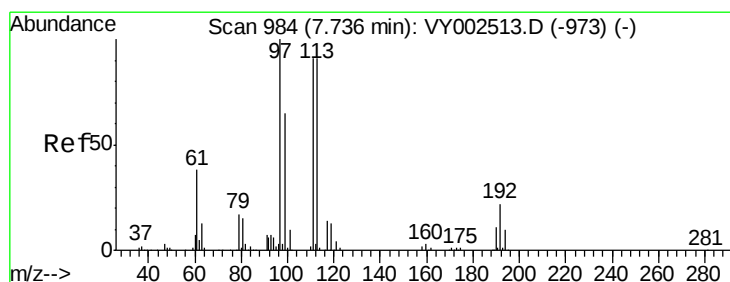
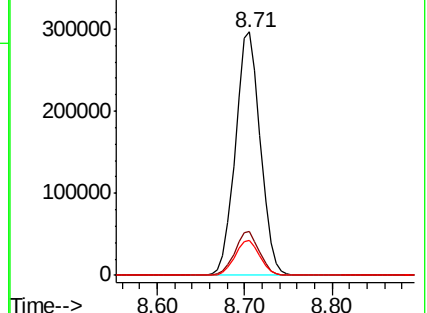
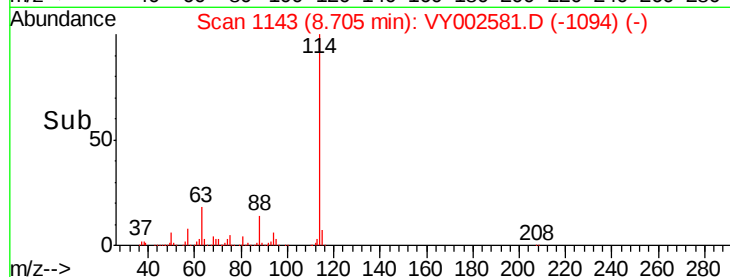
88 14.5 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 50.795 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

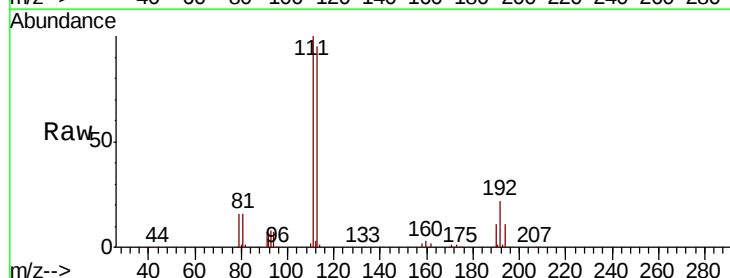
Tgt Ion:113 Resp: 170641

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

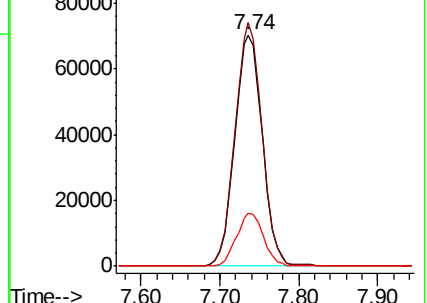
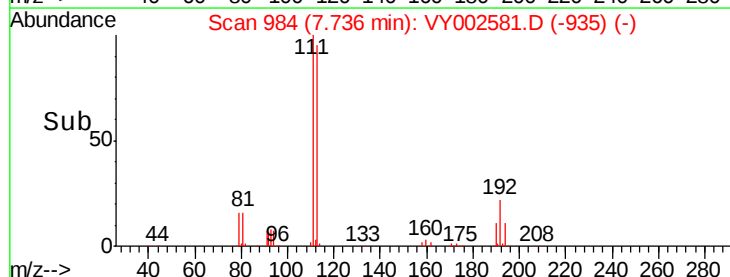
192 22.5 18.2 27.4

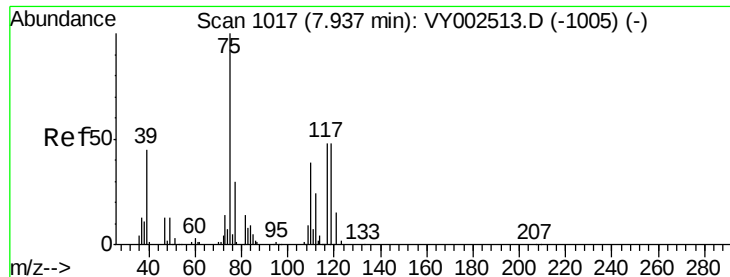


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

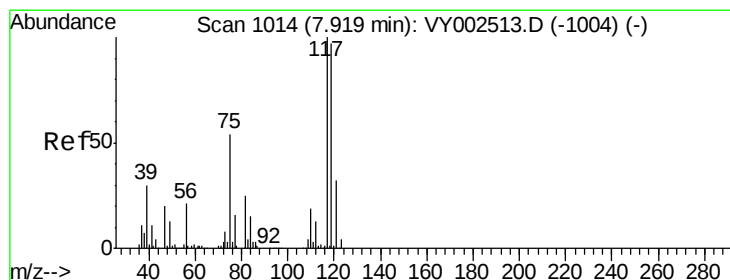
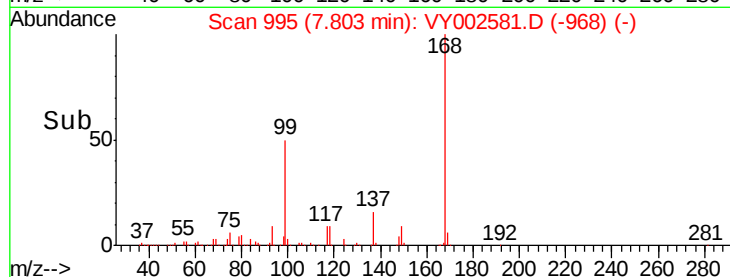
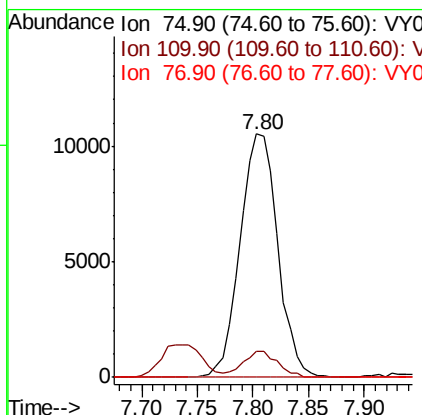
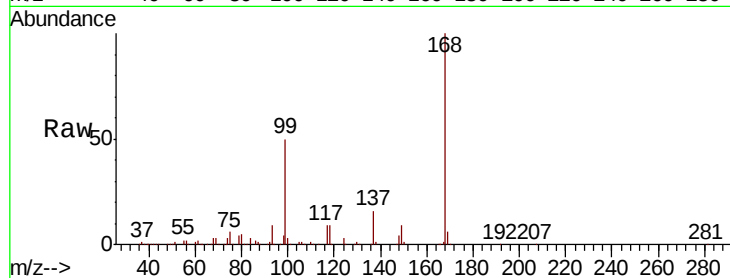




#36
 1,1-Dichloropropene
 Concen: 5.028 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002581.D
 Acq: 05 May 2020 13:14

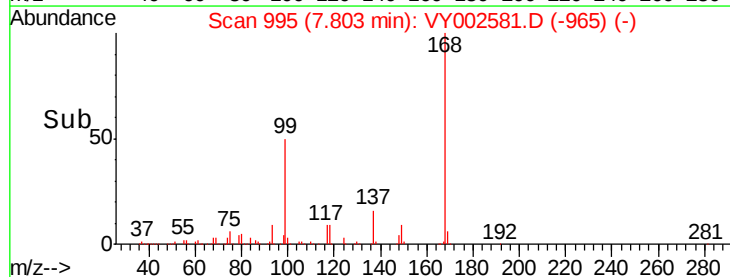
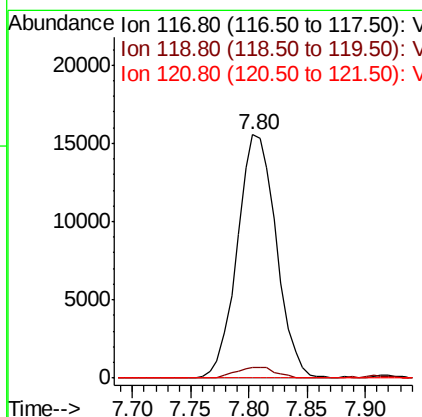
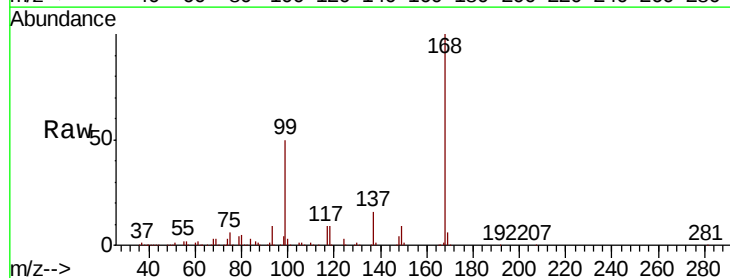
Instrument :
 MSVOA_Y
 ClientSampled :
 VIBLK

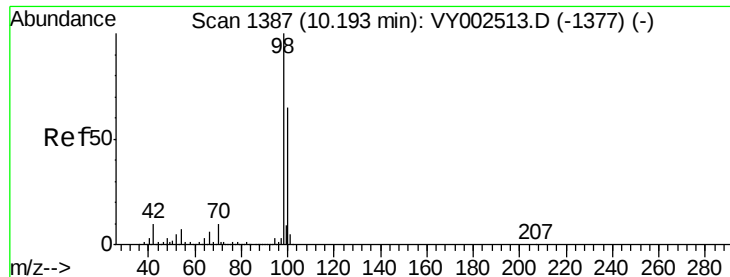
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.715 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002581.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 51.298 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

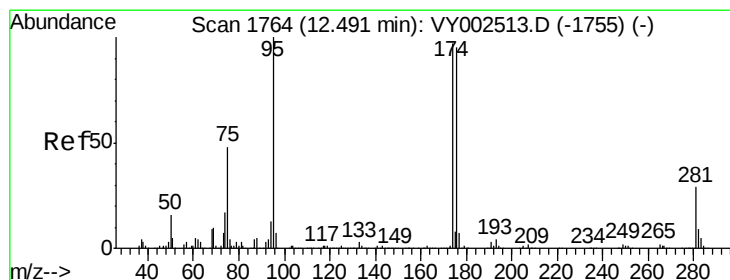
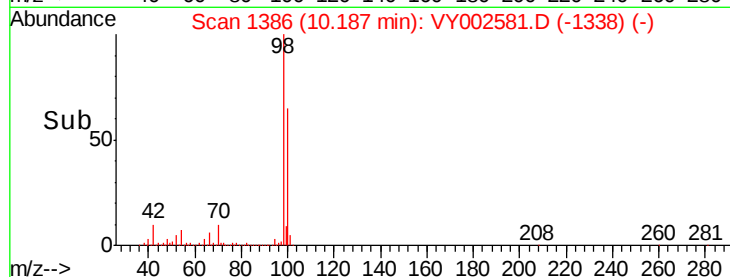
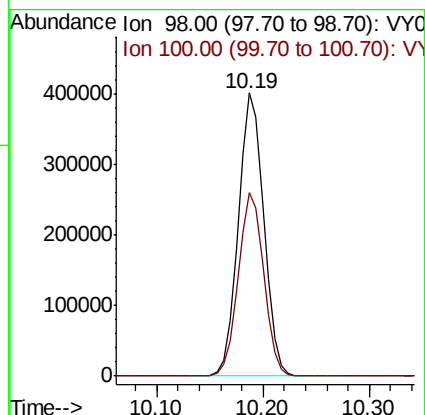
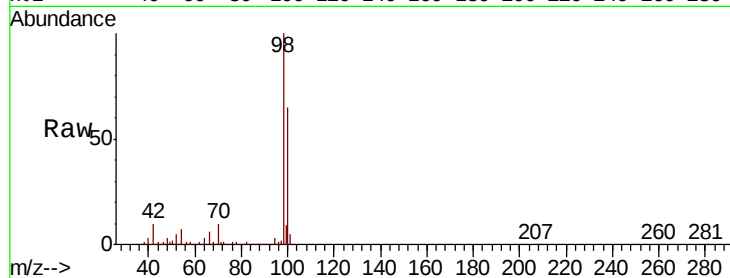
VIBLK

Tot Ion: 98 Resp: 672971

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 51.570 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

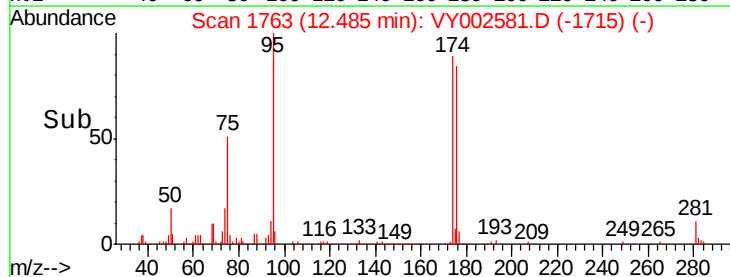
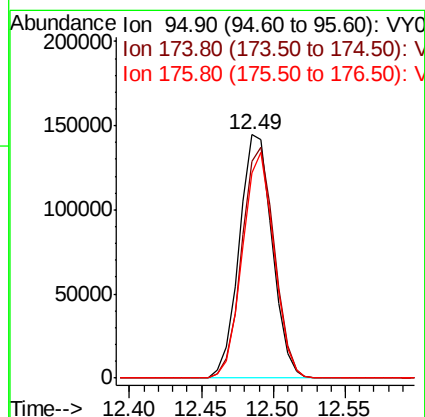
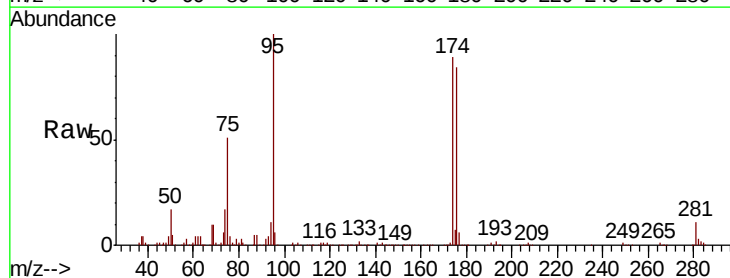
Tgt Ion: 95 Resp: 229568

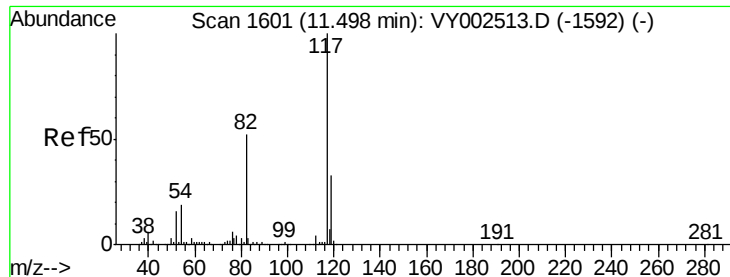
Ion Ratio Lower Upper

95 100

174 93.4 0.0 188.8

176 89.2 0.0 183.2

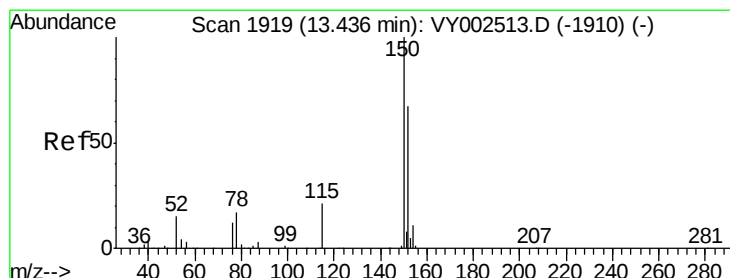
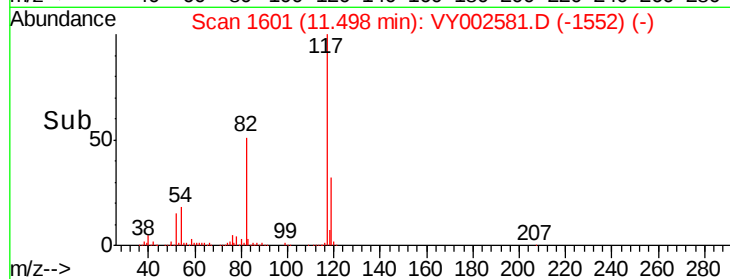
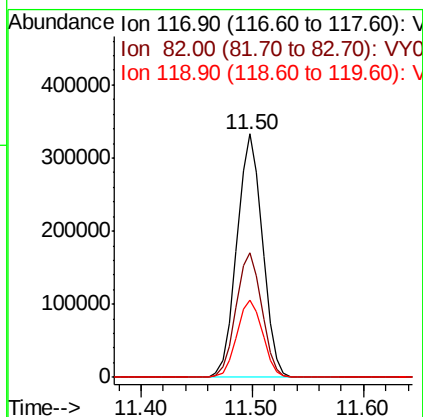
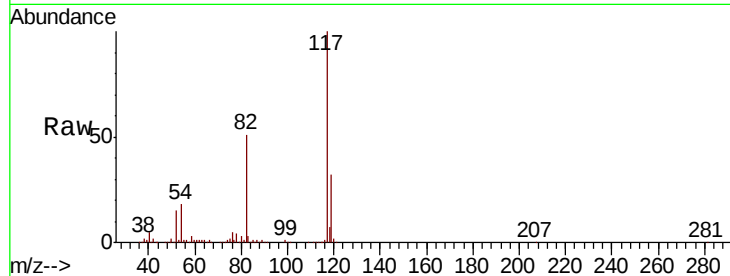




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002581.D
Acq: 05 May 2020 13:14

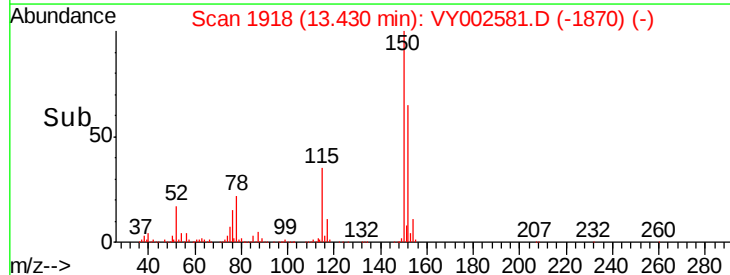
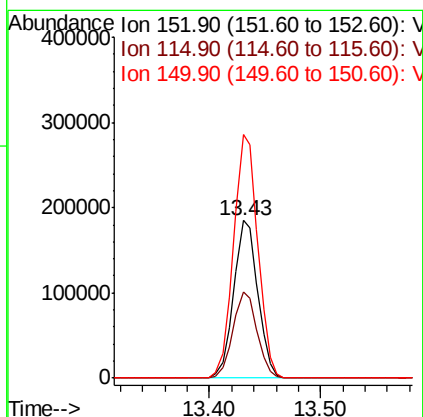
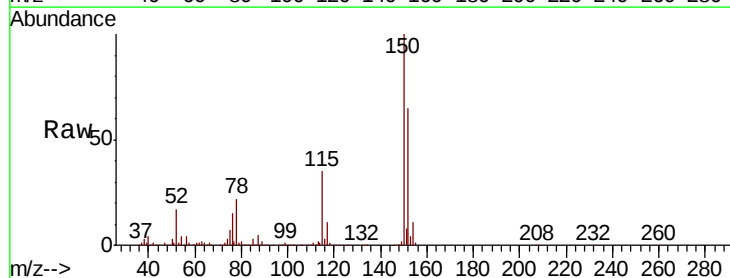
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

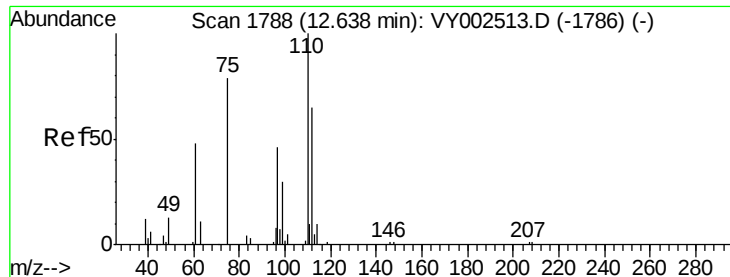
Tot Ion:117 Resp: 528632
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 31.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002581.D
Acq: 05 May 2020 13:14

Tgt Ion:152 Resp: 276442
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.4
150 155.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 45.411 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_Y

ClientSampled :

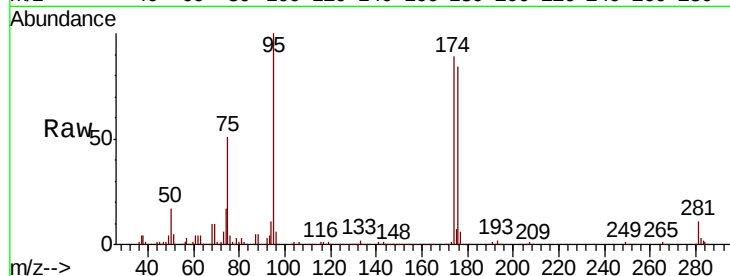
VIBLK

Tot Ion: 75 Resp: 111559

Ion Ratio Lower Upper

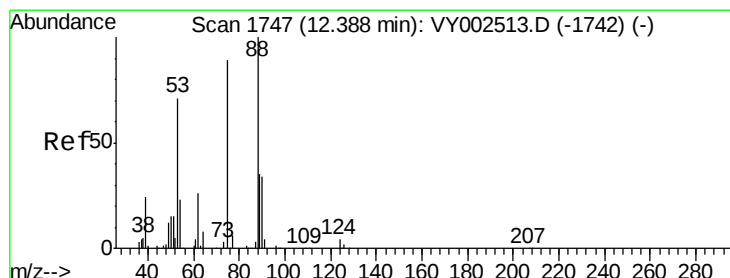
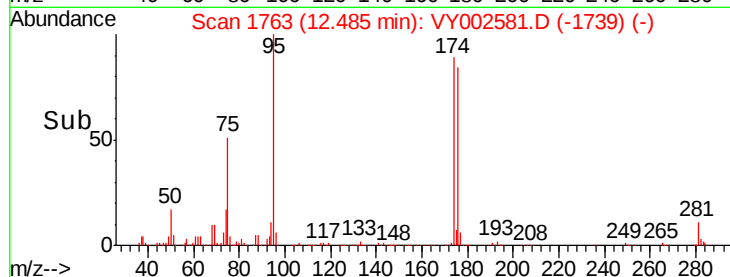
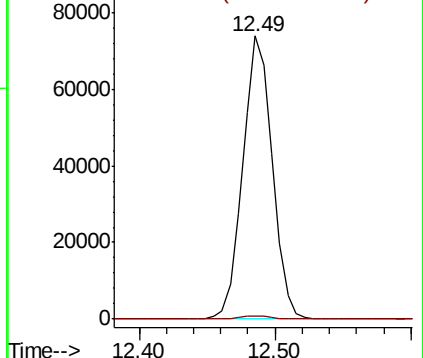
75 100

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: 91.058 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

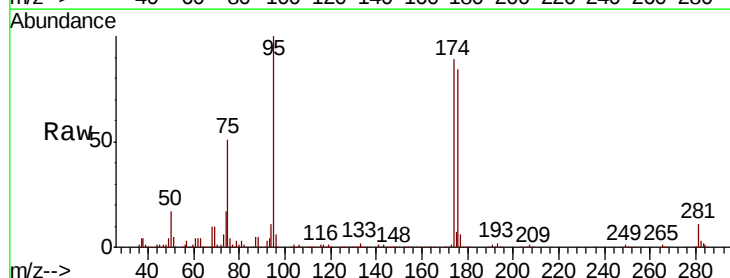
Tgt Ion: 75 Resp: 111559

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

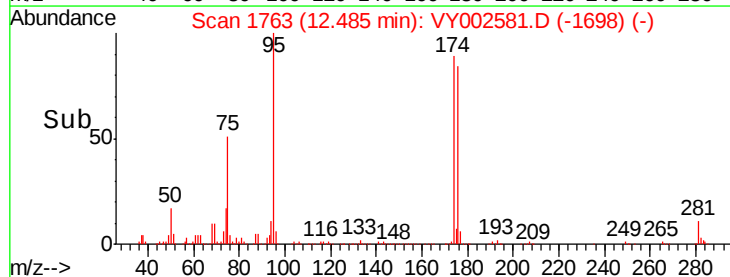
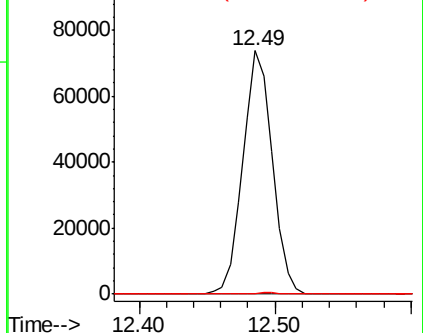
89 0.3 37.4 56.0#

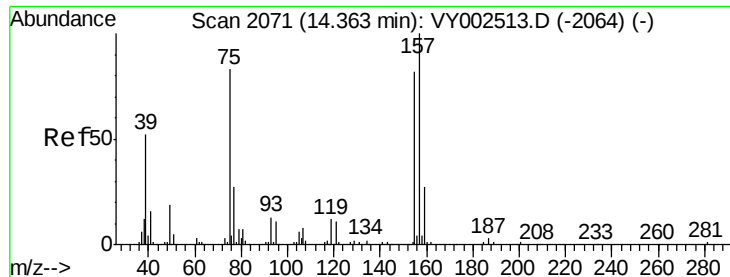


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.290 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

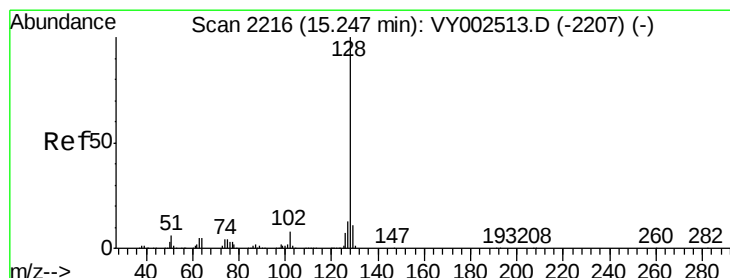
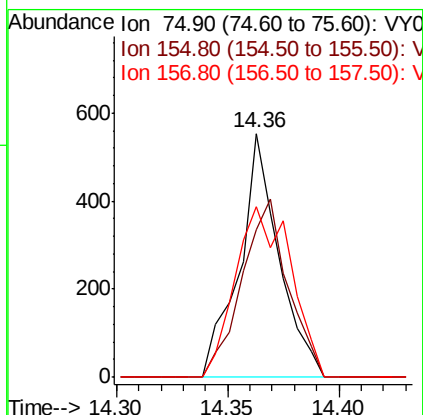
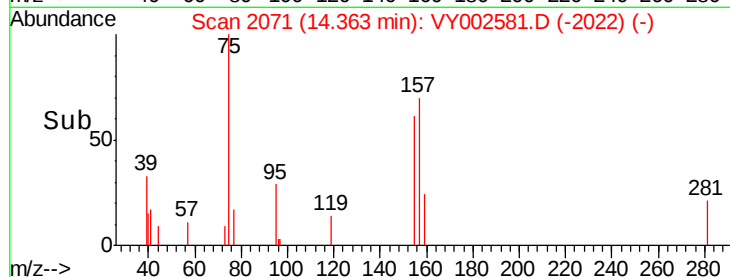
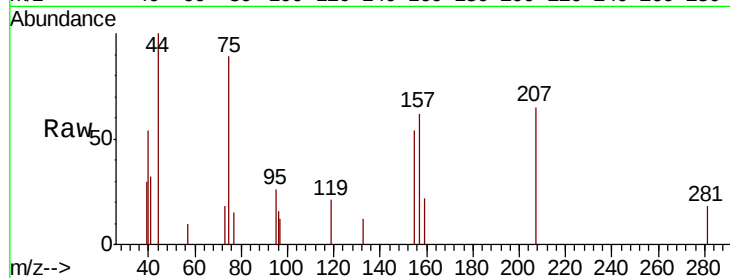
Tot Ion: 75 Resp: 685

Ion Ratio Lower Upper

75 100

155 85.0 51.3 153.9

157 98.2 65.0 195.0



#95

Naphthalene

Concen: 2.359 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002581.D

Acq: 05 May 2020 13:14

Tgt Ion: 128 Resp: 23614

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 10.9 8.8 13.2

