

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002610.D
 Acq On : 06 May 2020 13:10
 Operator : SY/MD
 Sample : L2513-01
 Misc : 8.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 07 04:14:01 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

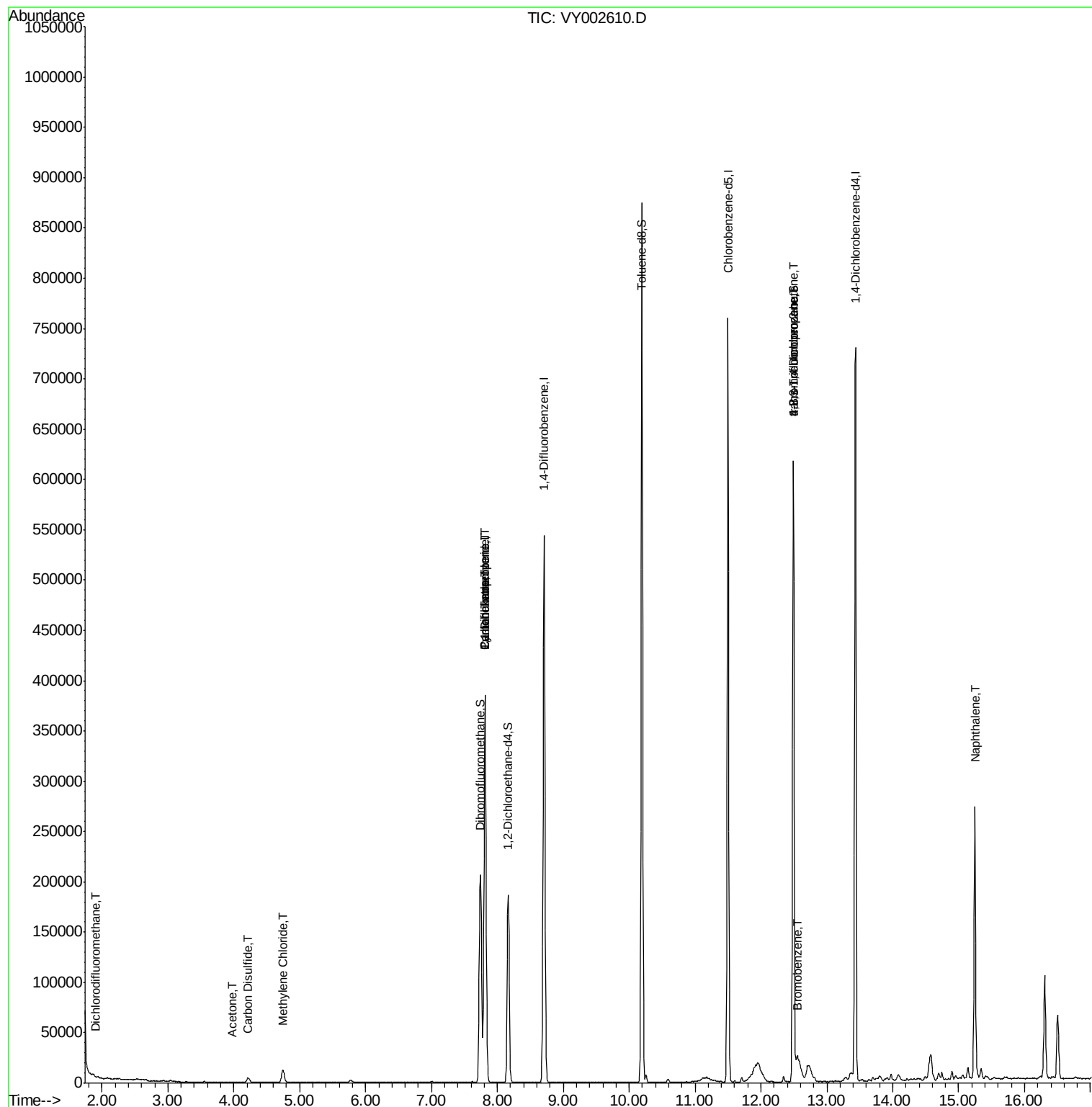
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	327579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	501545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	441147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	201719	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	146221	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
35) Dibromofluoromethane	7.74	113	151238	52.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.46%	
50) Toluene-d8	10.19	98	584520	52.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.49	95	183632	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	60	1.806	ug/l #	43
16) Acetone	3.97	43	853	1.501	ug/l #	85
17) Carbon Disulfide	4.22	76	10407	1.227	ug/l	97
20) Methylene Chloride	4.75	84	10149	3.193	ug/l	91
31) Cyclohexane	7.82	56	5258	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	20643	4.910	ug/l #	48
38) Carbon Tetrachloride	7.81	117	29329	6.389	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	88658	49.457	ug/l #	100
77) Bromobenzene	12.55	156	41390	12.672	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	88658	99.172	ug/l #	15
95) Naphthalene	15.25	128	224301	30.702	ug/l	100

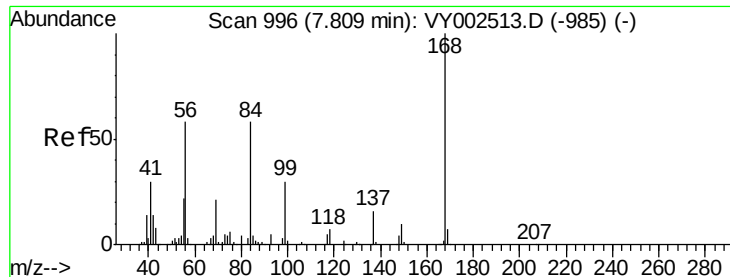
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

Instrument :

MSVOA_Y

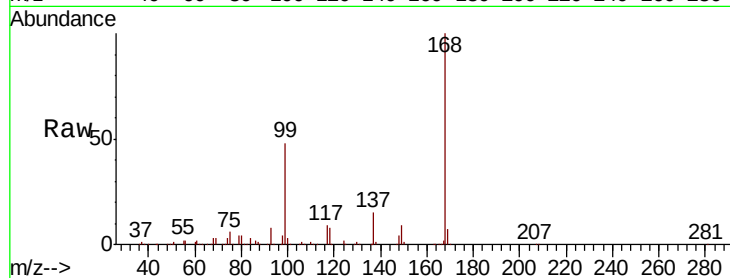
ClientSampleId :

Tot Ion:168 Resp: 327579

Ion Ratio Lower Upper

168 100

99 48.4 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) (-)

7.82

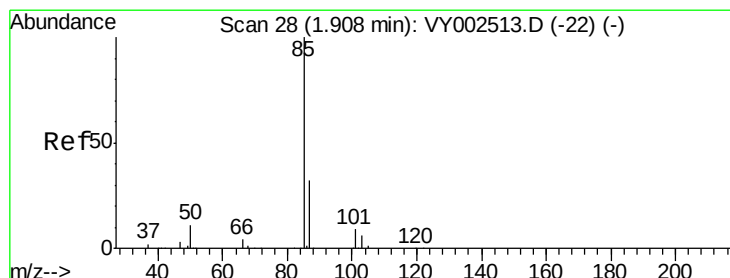
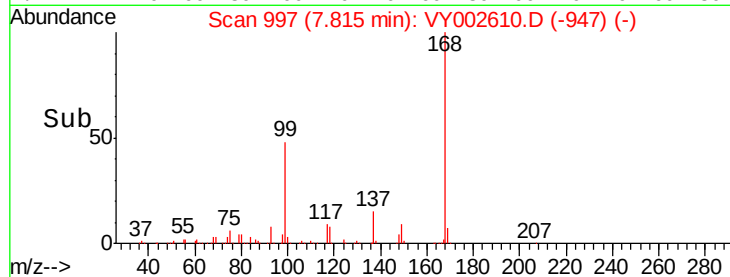
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.806 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002610.D

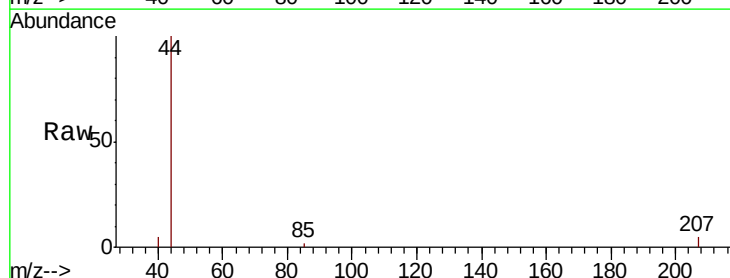
Acq: 06 May 2020 13:10

Tgt Ion: 85 Resp: 60

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

120

100

80

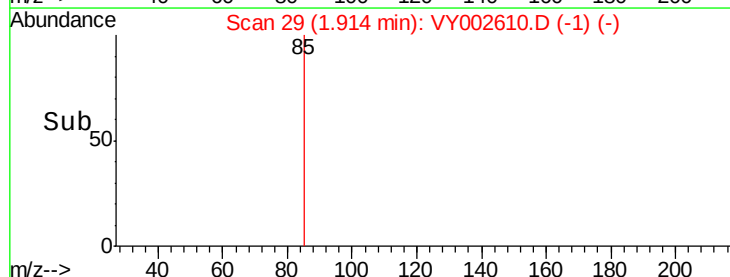
60

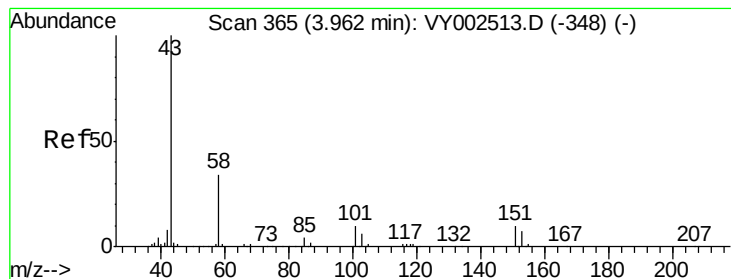
40

20

0

Time-->





#16

Acetone

Concen: 1.501 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

Instrument :

MSVOA_Y

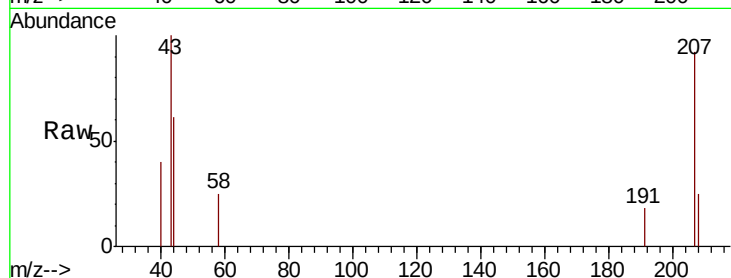
ClientSampleId :

Tot Ion: 43 Resp: 853

Ion Ratio Lower Upper

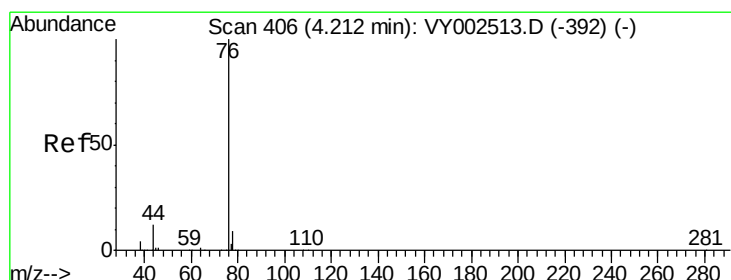
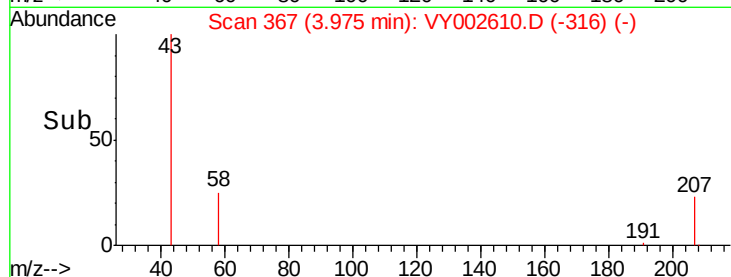
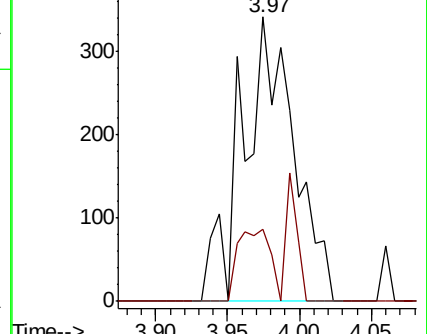
43 100

58 25.2 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 1.227 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002610.D

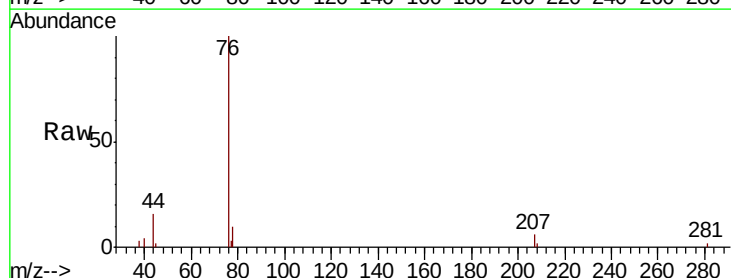
Acq: 06 May 2020 13:10

Tgt Ion: 76 Resp: 10407

Ion Ratio Lower Upper

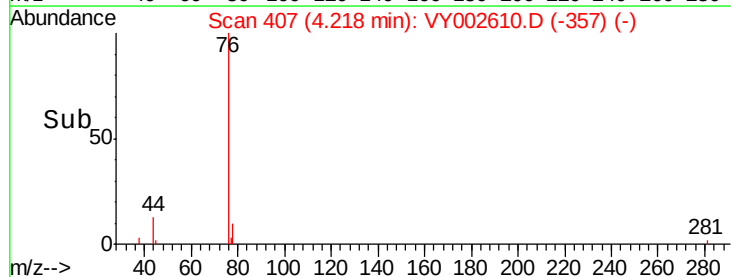
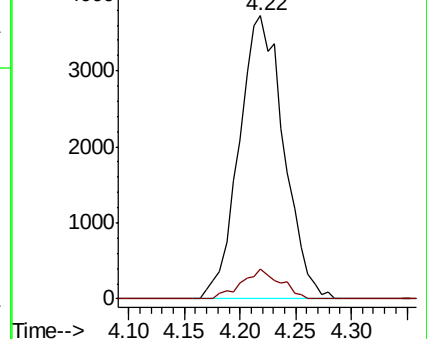
76 100

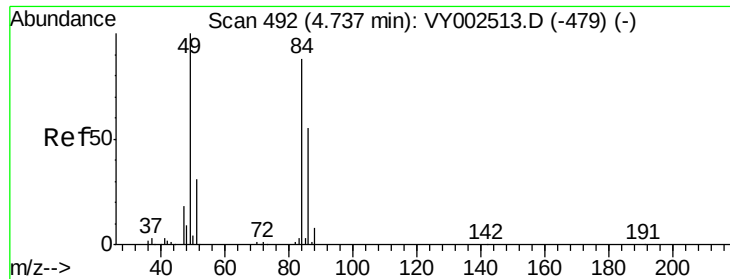
78 10.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

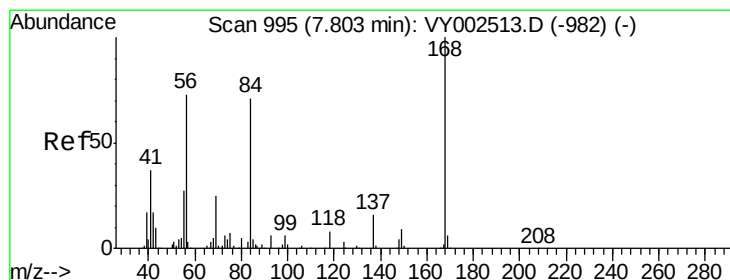
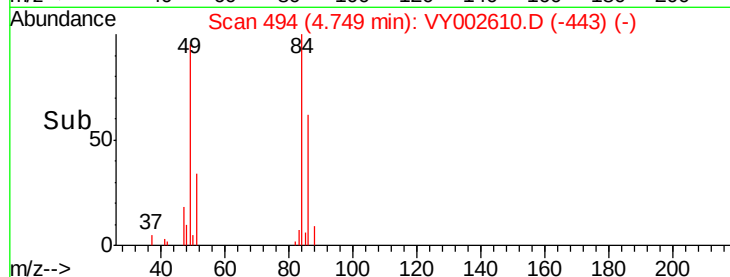
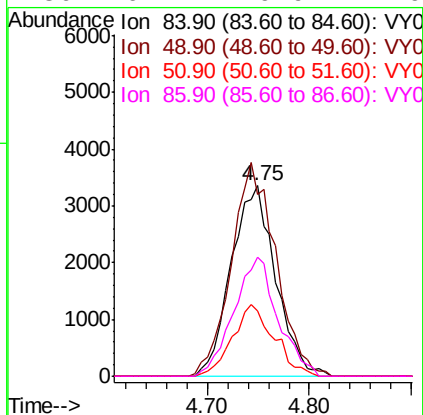
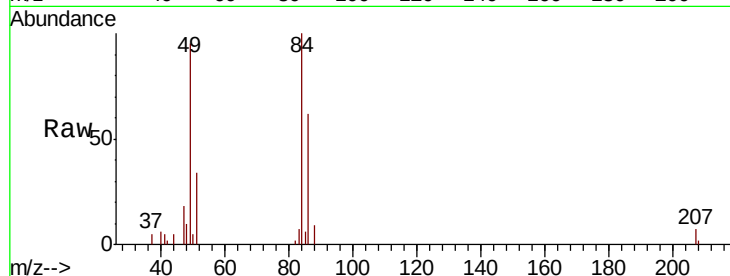




#20
Methvlene Chloride
Concen: 3.193 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002610.D
Acq: 06 May 2020 13:10

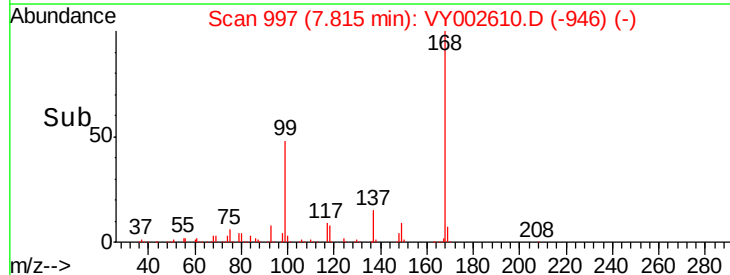
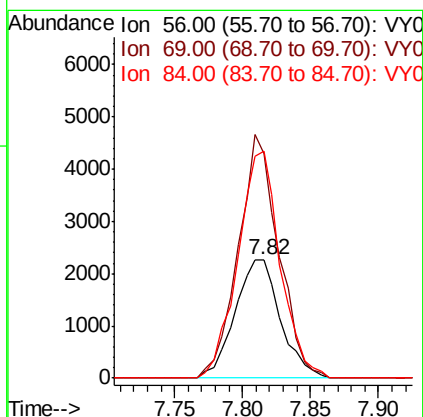
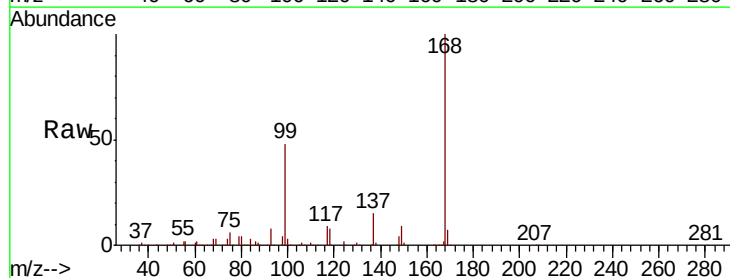
Instrument :
MSVOA_Y
ClientSampleId :

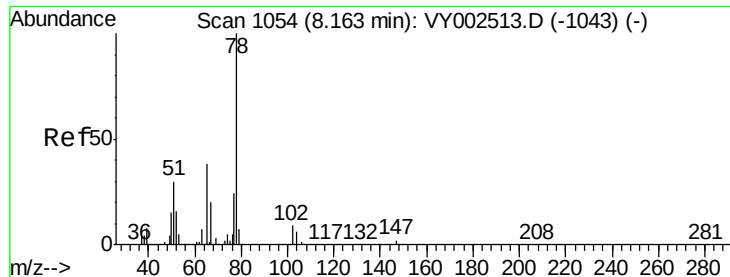
Tot Ion:	84	Resp:	10149
Ion	Ratio	Lower	Upper
84	100		
49	95.3	90.5	135.7
51	34.3	28.3	42.5
86	62.4	49.9	74.9



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002610.D
Acq: 06 May 2020 13:10

Tgt Ion:	56	Resp:	5258
Ion	Ratio	Lower	Upper
56	100		
69	189.4	27.6	41.4#
84	191.7	77.7	116.5#

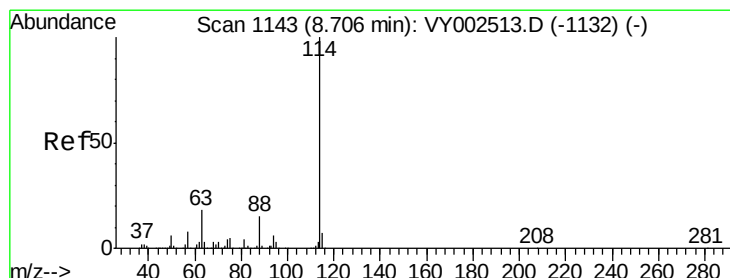
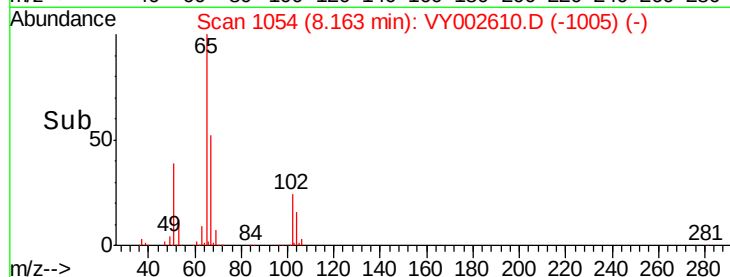
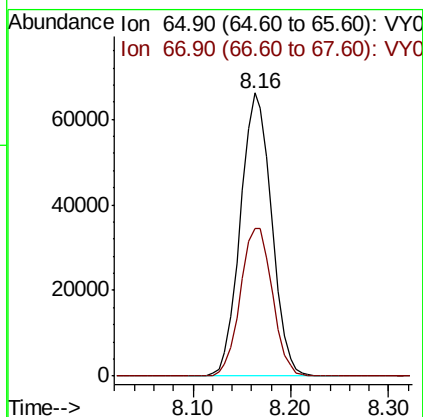
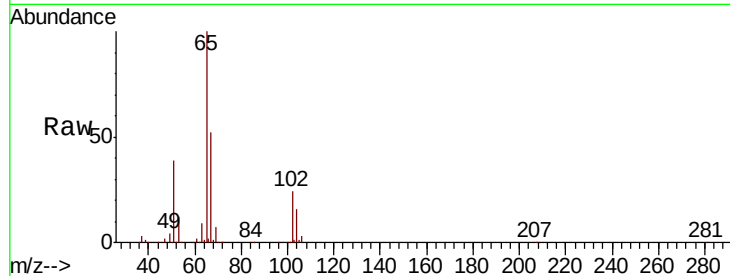




#33
 1,2-Dichloroethane-d4
 Concen: 53.087 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002610.D
 Acq: 06 May 2020 13:10

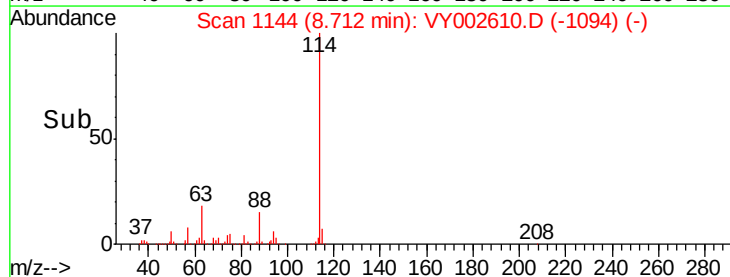
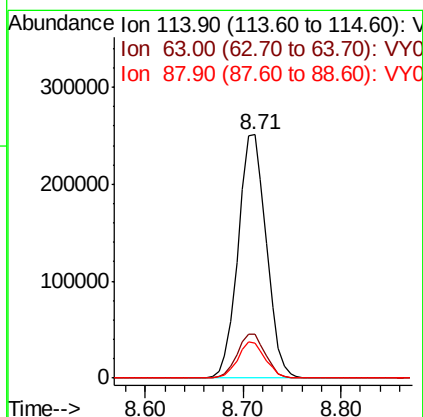
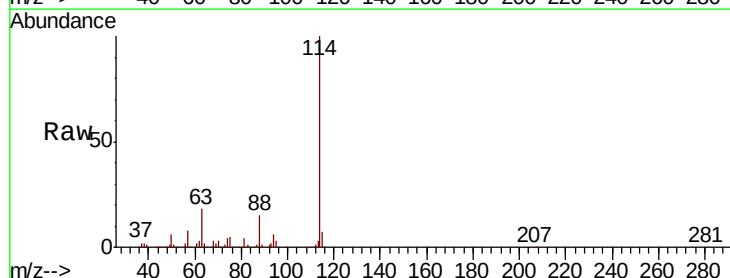
Instrument :
 MSVOA_Y
 ClientSampleId :

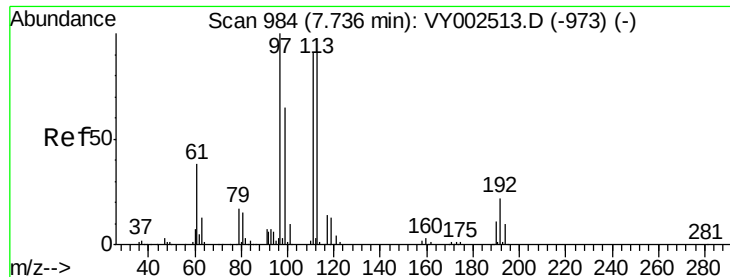
Tot Ion: 65 Resp: 146221
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002610.D
 Acq: 06 May 2020 13:10

Tgt Ion: 114 Resp: 501545
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.4
 88 14.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.726 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

Instrument :
MSVOA_Y
ClientSampleId :

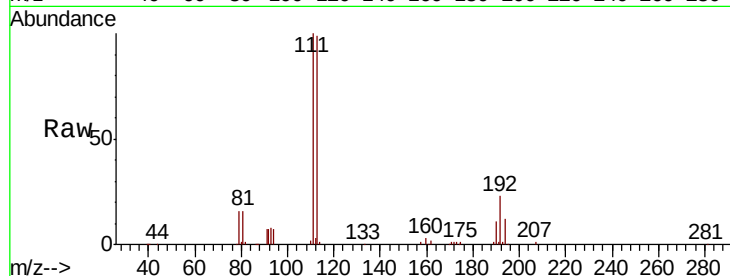
Tot Ion:113 Resp: 151238

Ion Ratio Lower Upper

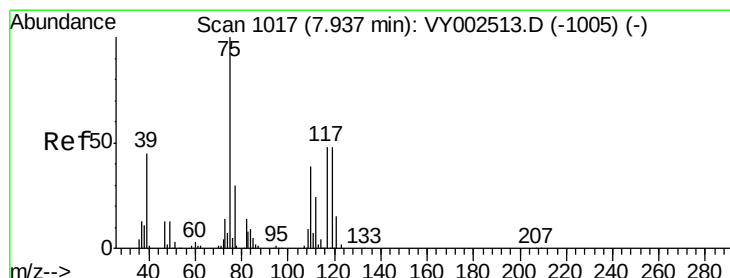
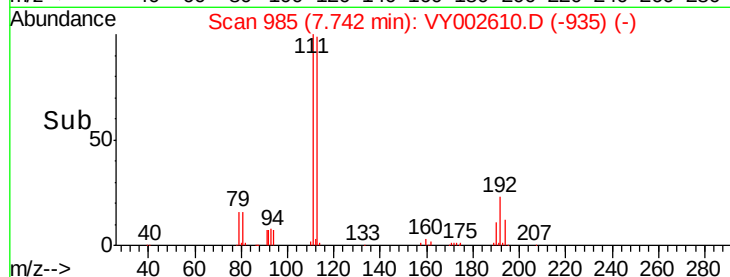
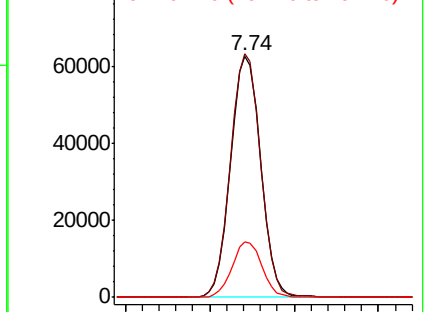
113 100

111 100.9 81.8 122.6

192 22.7 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: 4.910 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

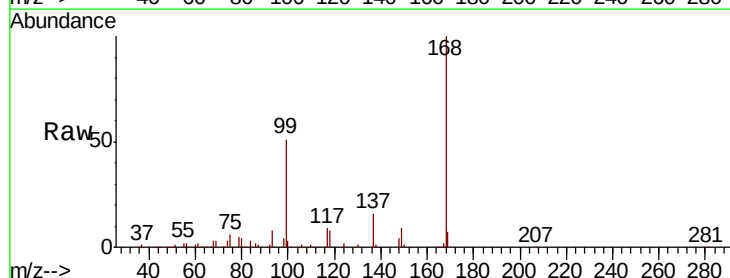
Tgt Ion: 75 Resp: 20643

Ion Ratio Lower Upper

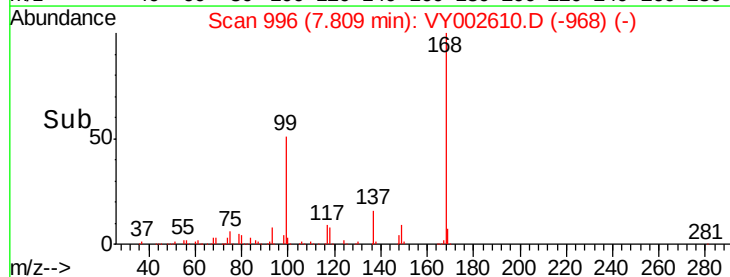
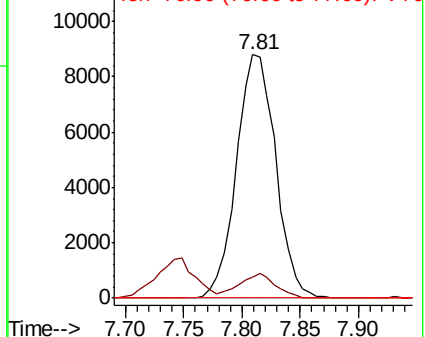
75 100

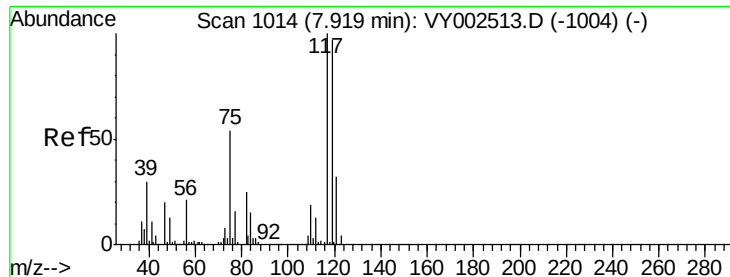
110 9.2 19.1 57.3#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

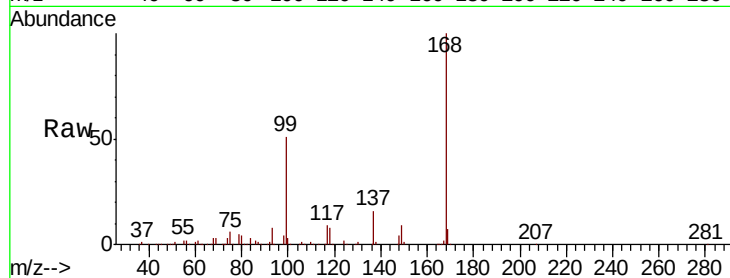




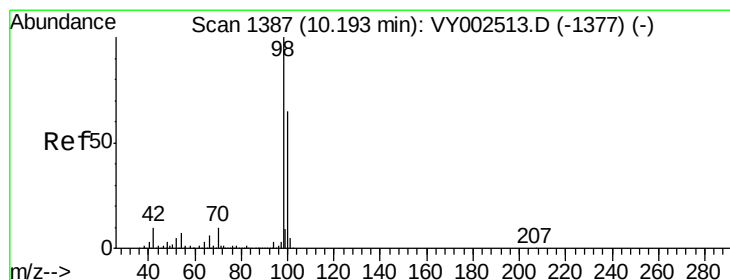
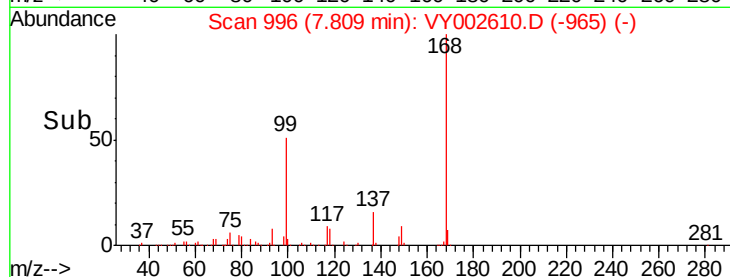
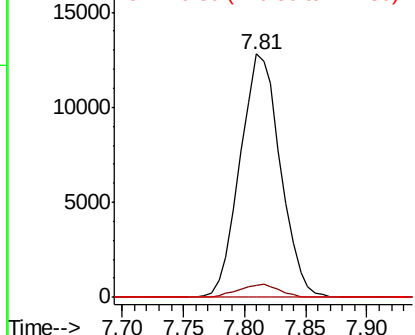
#38
 Carbon Tetrachloride
 Concen: 6.389 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY002610.D
 Acq: 06 May 2020 13:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:117 Resp: 29329
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.1 115.7#
 121 0.0 25.2 37.8#

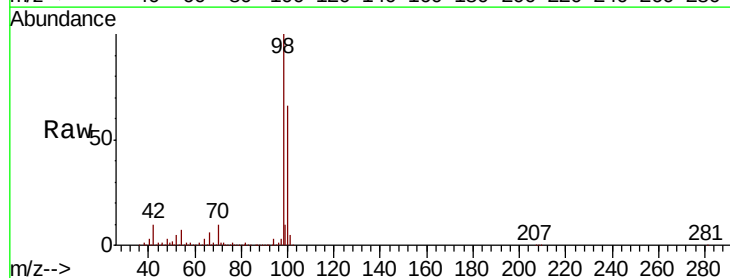


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

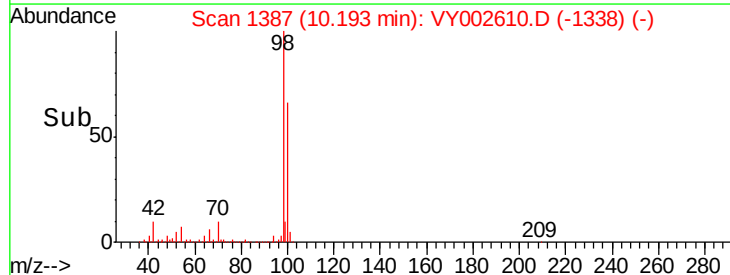
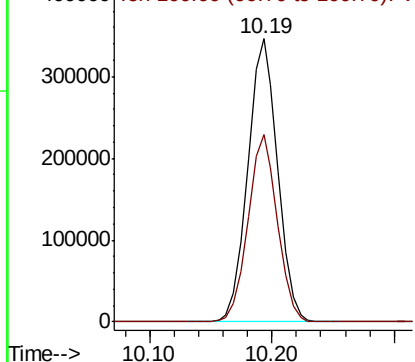


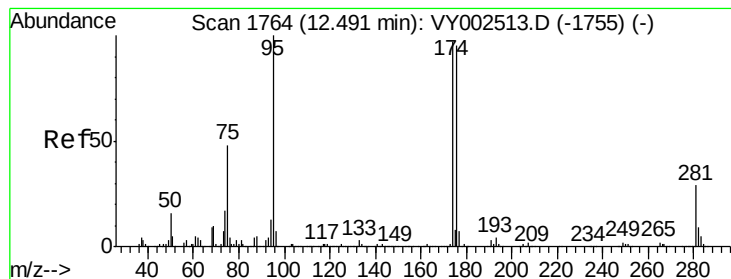
#50
 Toluene-d8
 Concen: 52.183 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VY002610.D
 Acq: 06 May 2020 13:10

Tgt Ion: 98 Resp: 584520
 Ion Ratio Lower Upper
 98 100
 100 65.2 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: 48.313 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

Instrument :

MSVOA_Y

ClientSampleId :

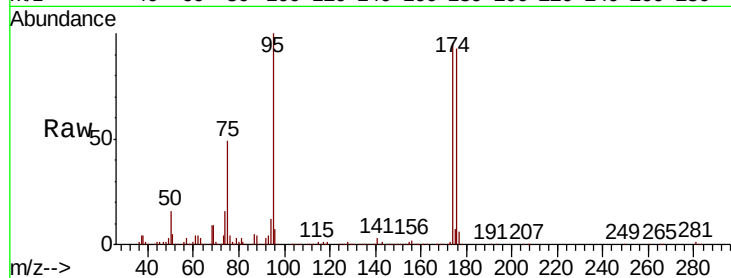
Tot Ion: 95 Resp: 183632

Ion Ratio Lower Upper

95 100

174 92.9 0.0 188.8

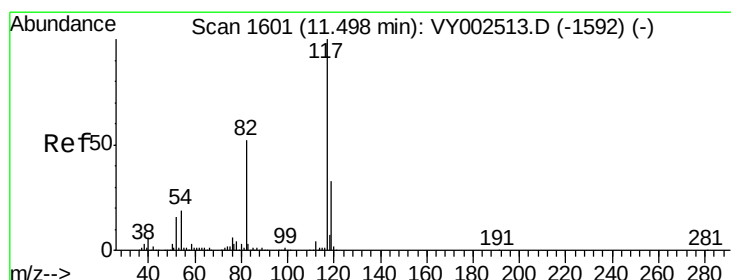
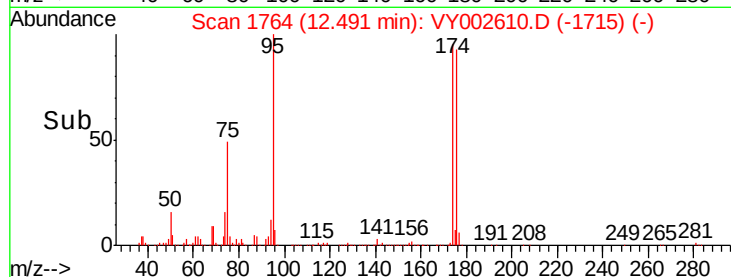
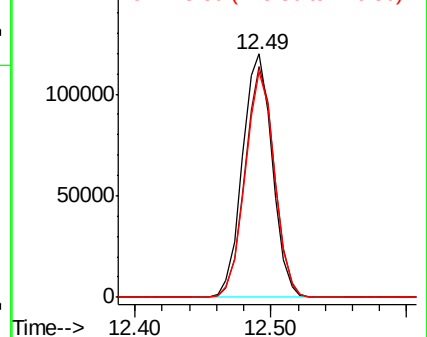
176 90.7 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

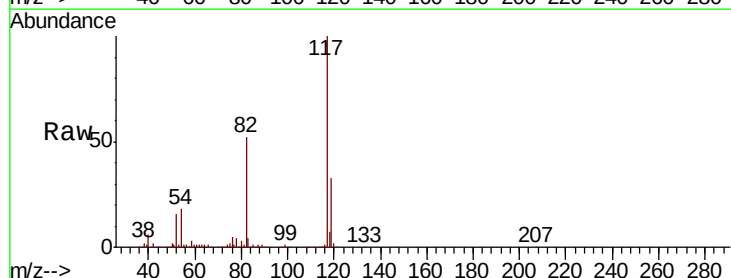
Tgt Ion: 117 Resp: 441147

Ion Ratio Lower Upper

117 100

82 52.3 41.3 61.9

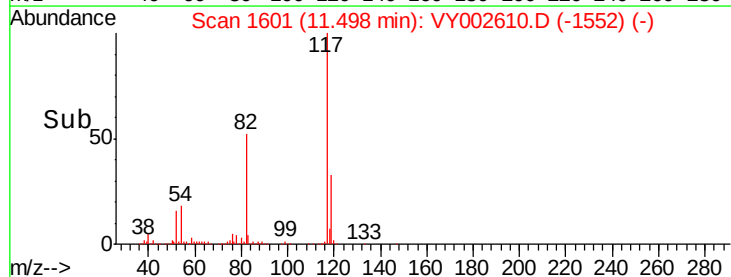
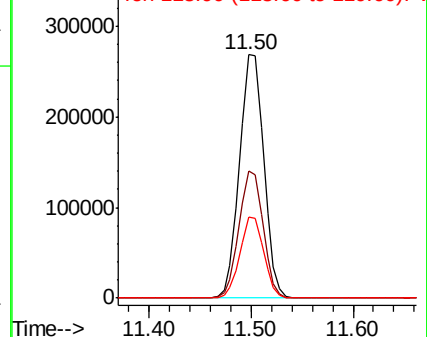
119 33.1 26.0 39.0

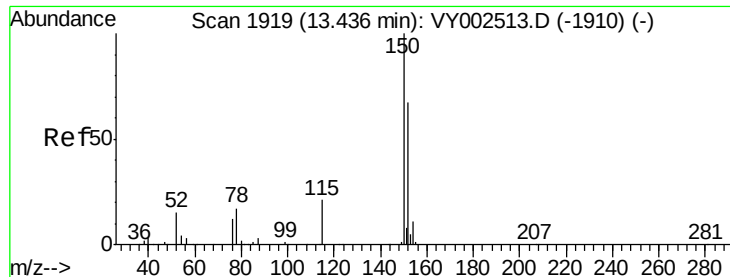


Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

Instrument :

MSVOA_Y

ClientSampleId :

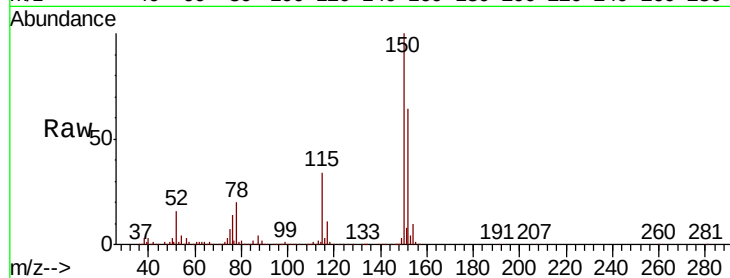
Tot Ion:152 Resp: 201719

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.4

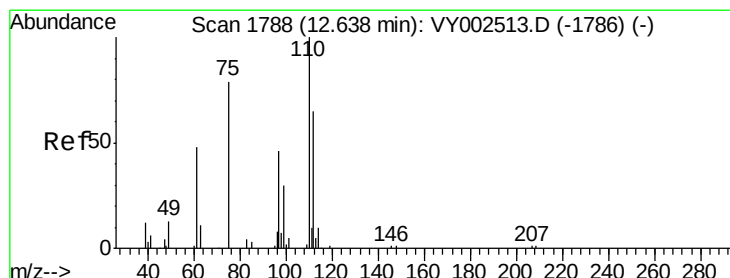
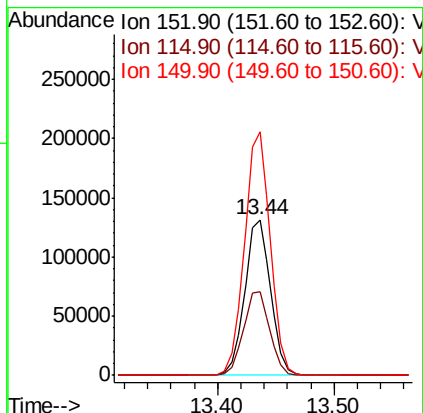
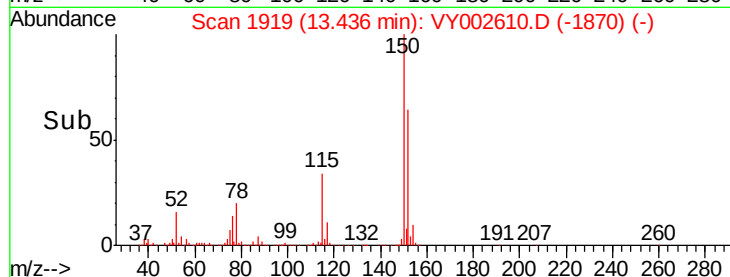
150 156.5 0.0 346.4



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: 49.457 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002610.D

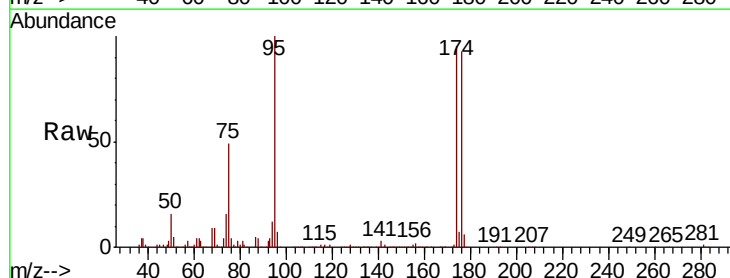
Acq: 06 May 2020 13:10

Tgt Ion: 75 Resp: 88658

Ion Ratio Lower Upper

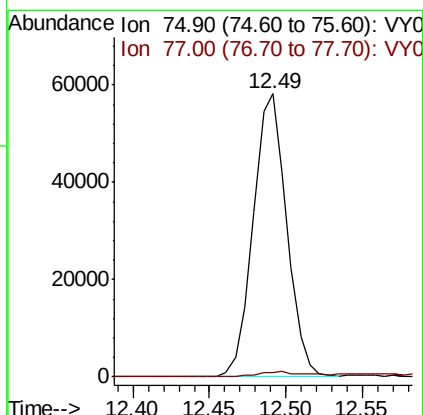
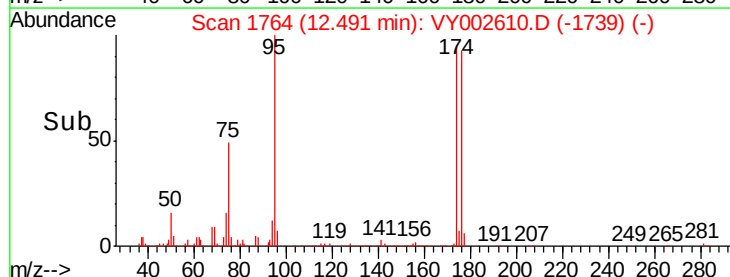
75 100

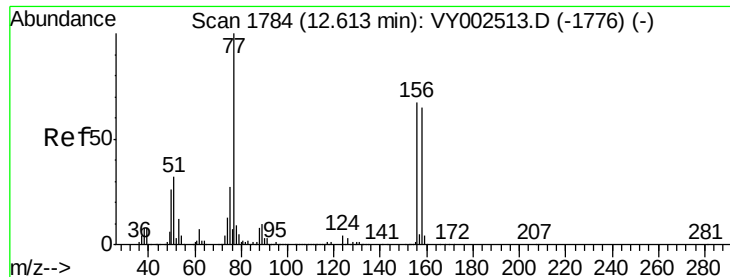
77 2.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 12.672 ug/l

RT: 12.55 min Scan# 1773

Delta R.T. -0.07 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

Instrument :

MSVOA_Y

ClientSampleId :

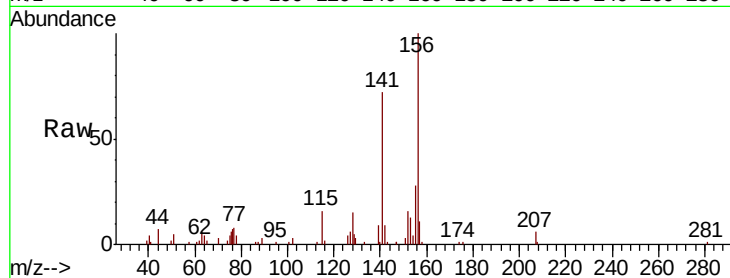
Tot Ion:156 Resp: 41390

Ion Ratio Lower Upper

156 100

77 0.0 82.0 245.8#

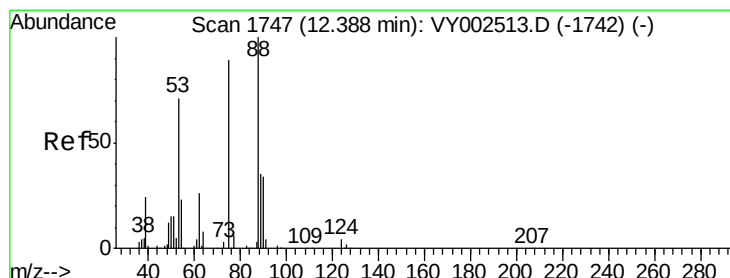
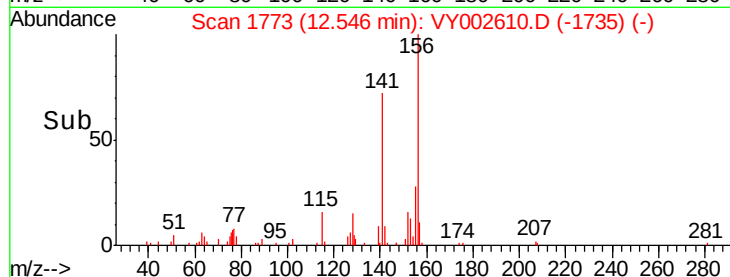
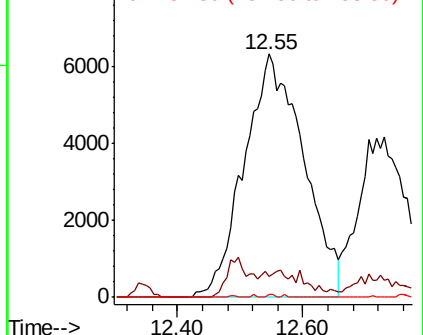
158 0.1 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 99.172 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002610.D

Acq: 06 May 2020 13:10

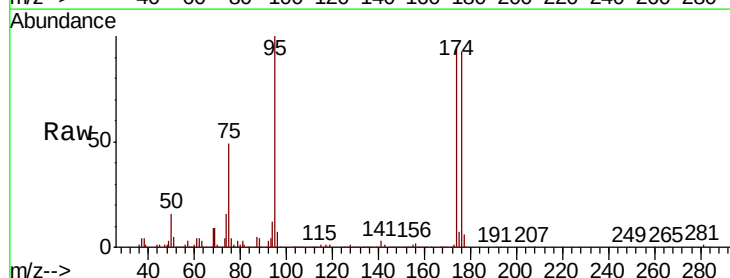
Tgt Ion: 75 Resp: 88658

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.0#

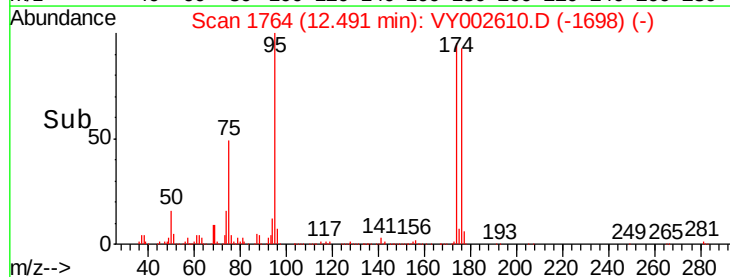
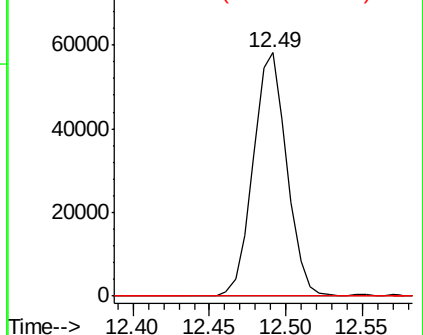
89 0.3 37.4 56.0#

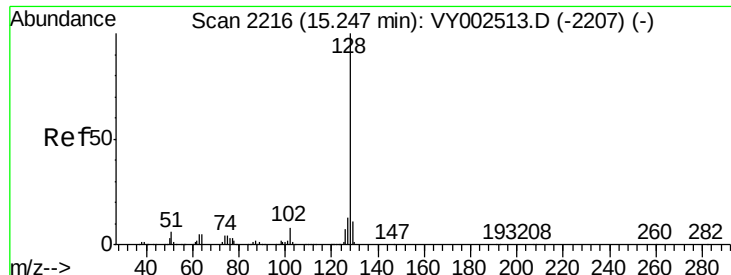


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

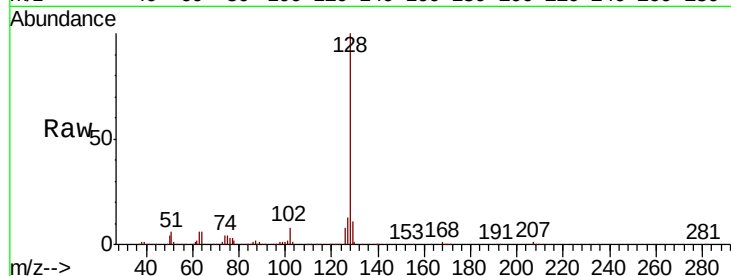




#95
Naphthalene
Concen: 30.702 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002610.D
Acq: 06 May 2020 13:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.2	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

