

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002628.D
 Acq On : 07 May 2020 13:59
 Operator : SY/MD
 Sample : L2529-02
 Misc : 6.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 08 02:36:59 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

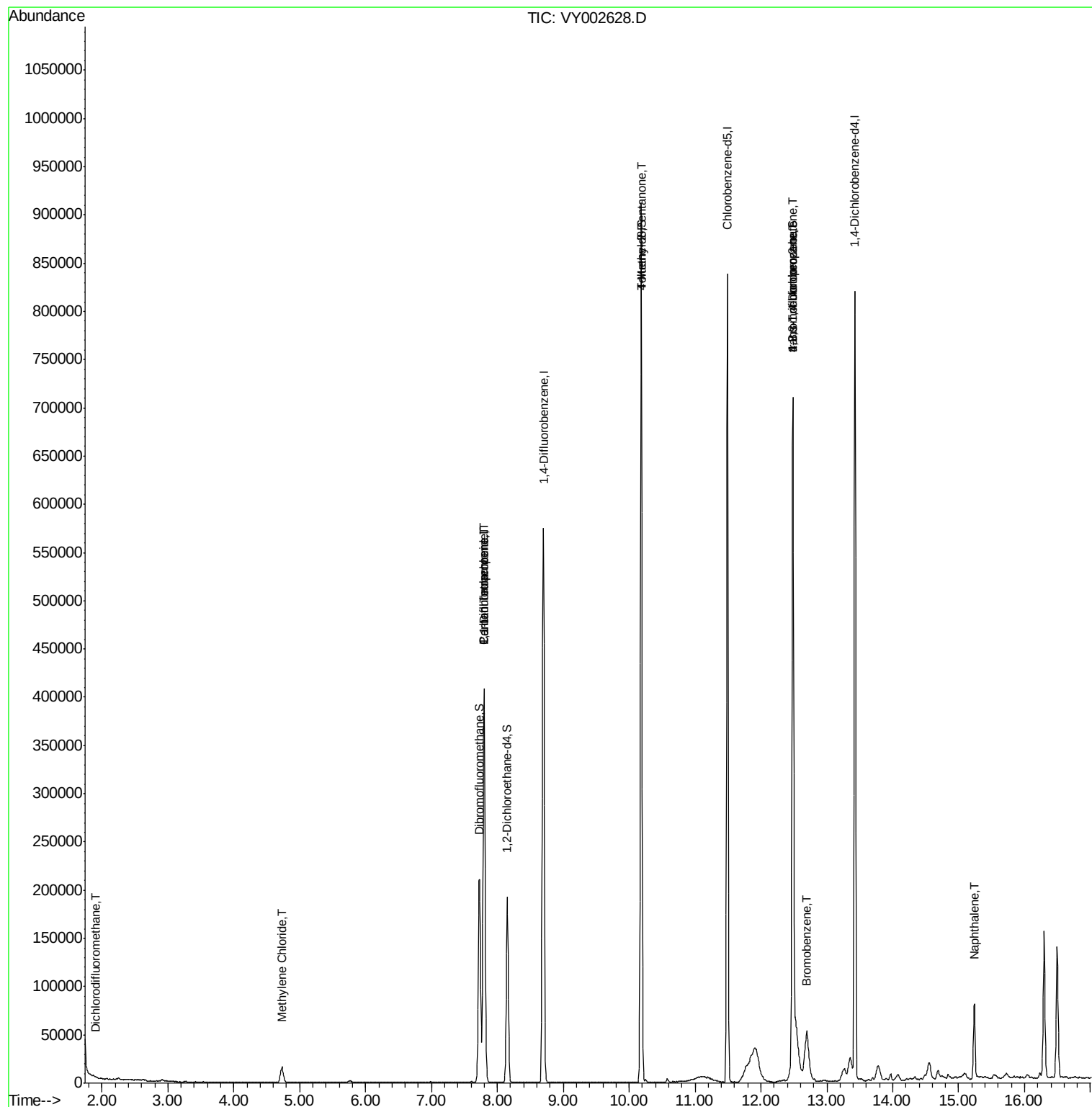
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	343970	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	527525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	470124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	226574	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	145729	50.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.78%	
35) Dibromofluoromethane	7.73	113	155122	51.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.84%	
50) Toluene-d8	10.18	98	620971	52.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.49	95	198800	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	94	1.816	ug/l #	43
20) Methylene Chloride	4.73	84	12641	3.787	ug/l	95
36) 1,1-Dichloropropene	7.80	75	21680	4.902	ug/l #	49
38) Carbon Tetrachloride	7.80	117	30616	6.341	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	2460	1.120	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	98445	48.893	ug/l #	100
77) Bromobenzene	12.70	156	57248	15.604	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	98445	98.039	ug/l #	16
95) Naphthalene	15.24	128	59681	7.273	ug/l	99

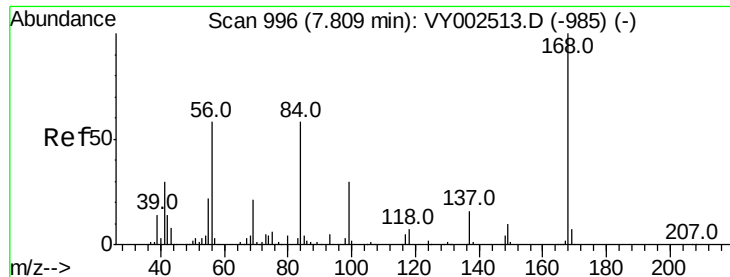
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 994

Delta R.T. -0.01 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

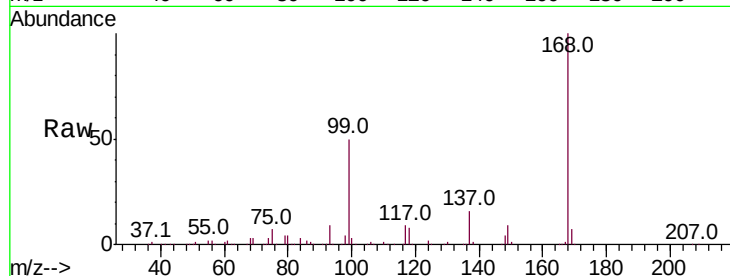
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 343970

Ion Ratio Lower Upper

168 100

99 50.1 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

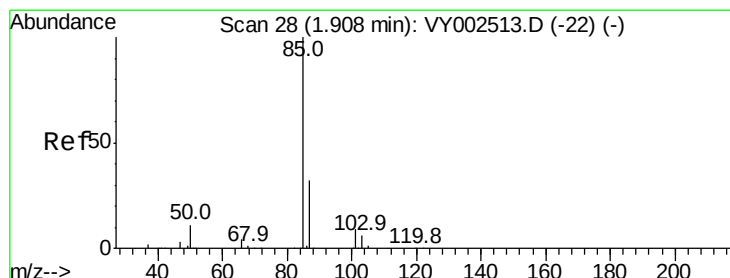
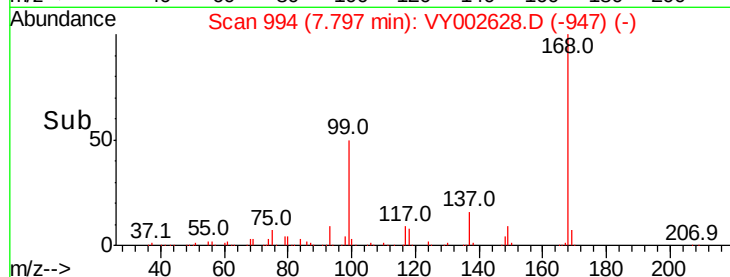
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.816 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002628.D

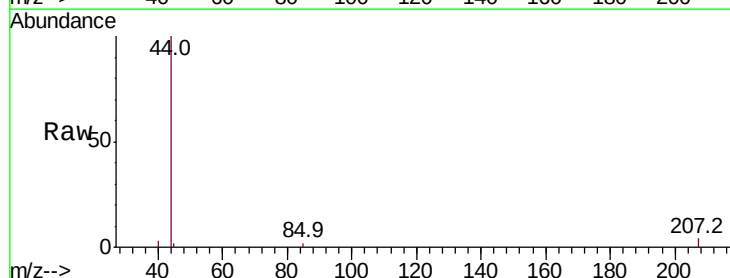
Acq: 07 May 2020 13:59

Tgt Ion: 85 Resp: 94

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

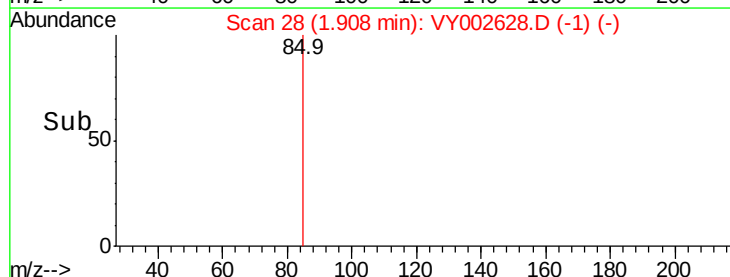
60

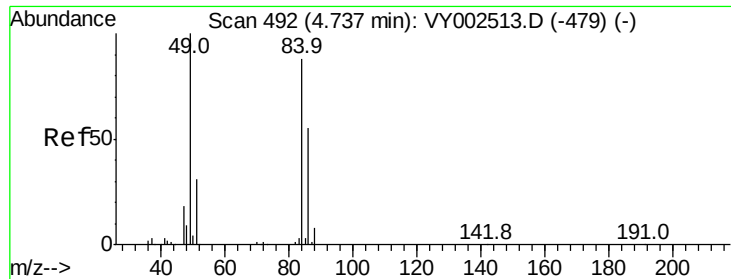
40

20

0

Time-->

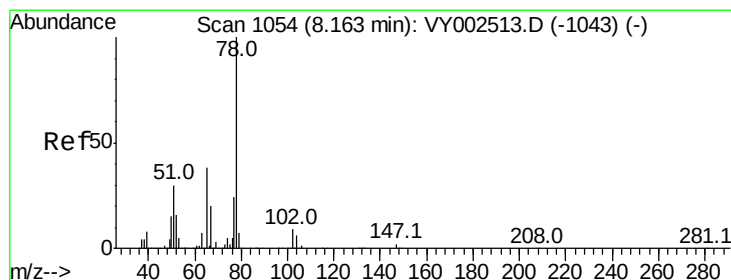
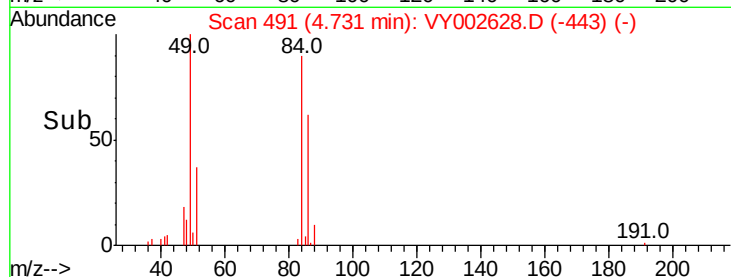
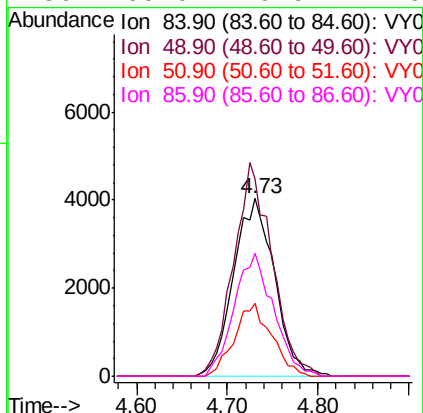
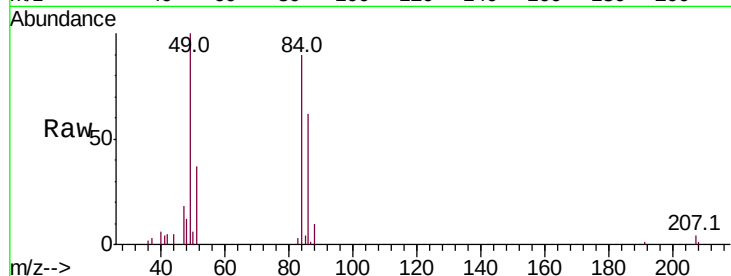




#20
Methylene Chloride
Concen: 3.787 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002628.D
Acq: 07 May 2020 13:59

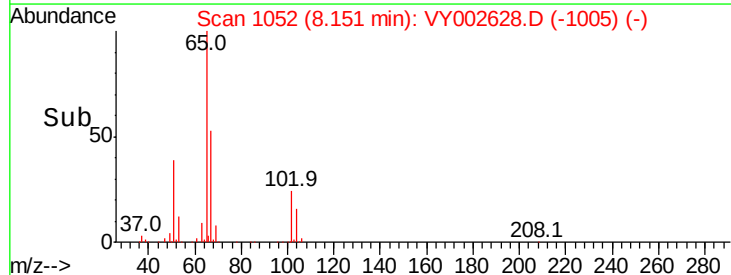
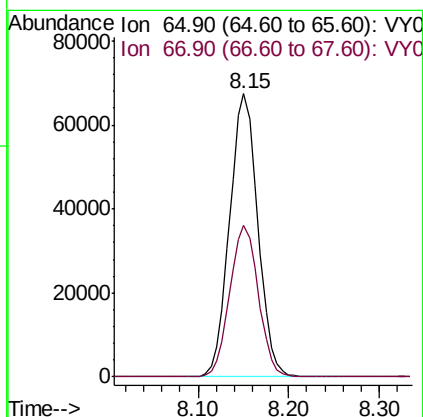
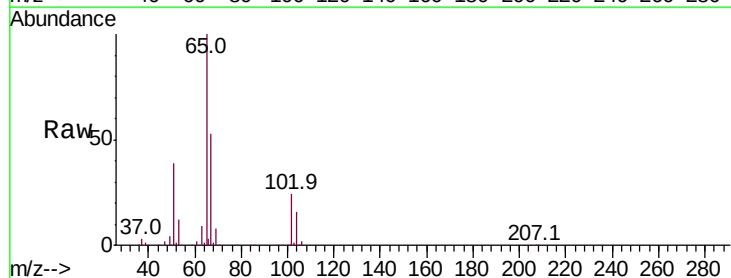
Instrument :
MSVOA_Y
ClientSampleId :

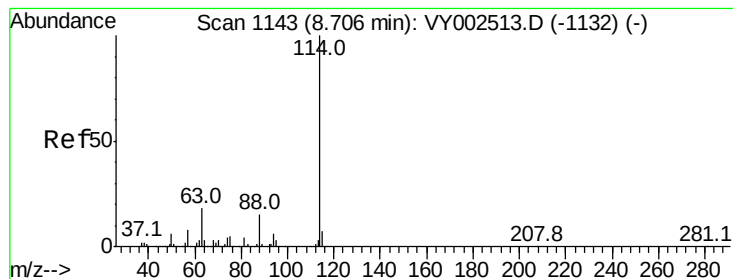
Tot Ion:	84	Resp:	12641
Ion	Ratio	Lower	Upper
84	100		
49	110.9	90.5	135.7
51	41.0	28.3	42.5
86	69.0	49.9	74.9



#33
1,2-Dichloroethane-d4
Concen: 50.388 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY002628.D
Acq: 07 May 2020 13:59

Tgt Ion:	65	Resp:	145729
Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

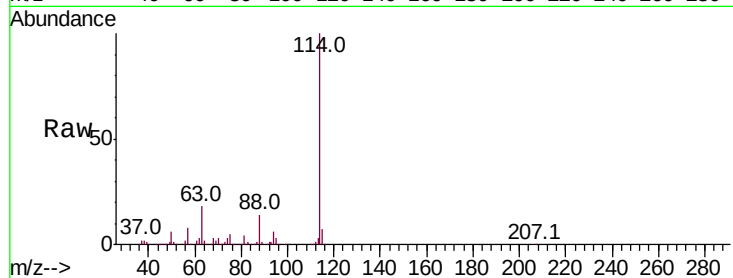
Tot Ion:114 Resp: 527525

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.4

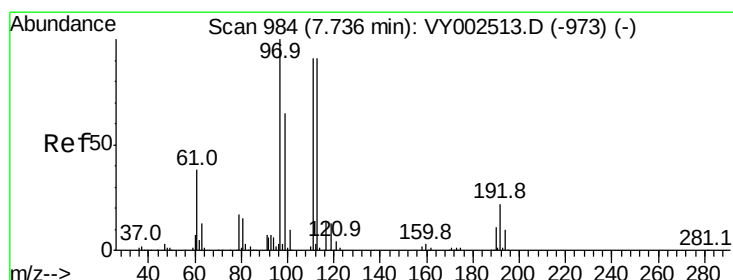
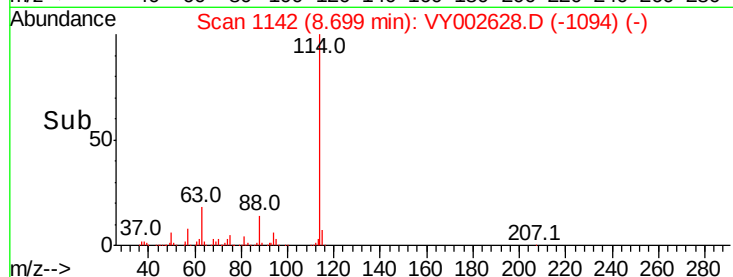
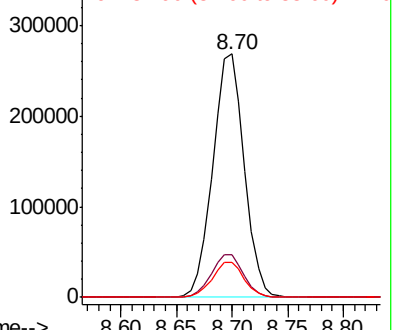
88 14.4 0.0 29.6



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: 51.417 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

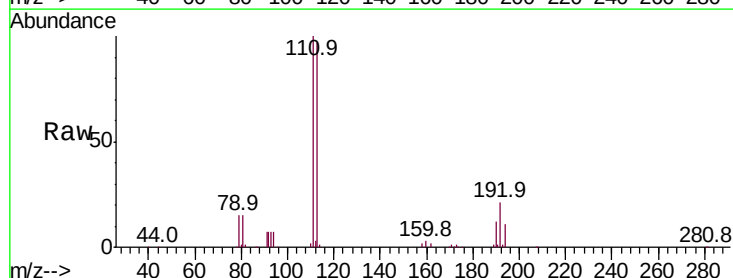
Tgt Ion:113 Resp: 155122

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

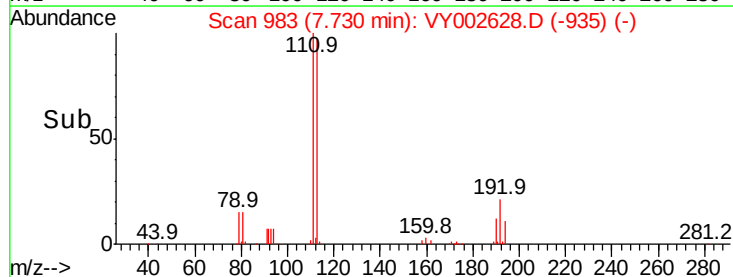
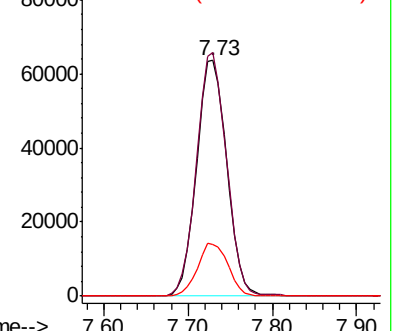
192 22.5 18.2 27.4

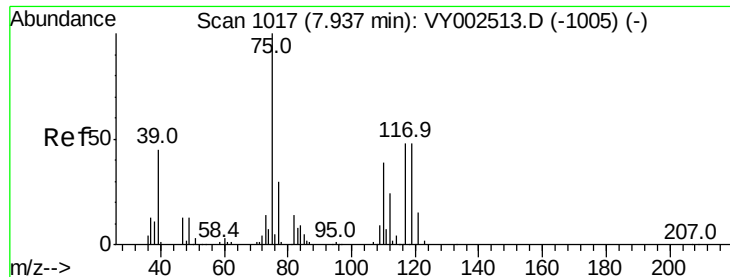


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

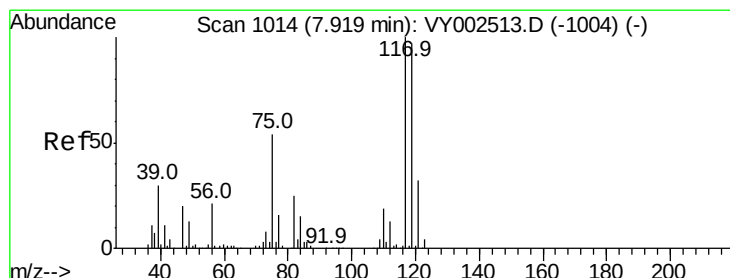
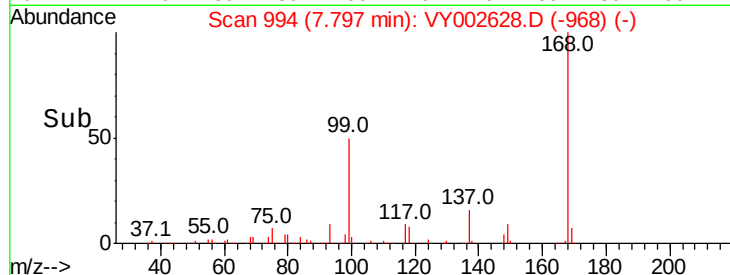
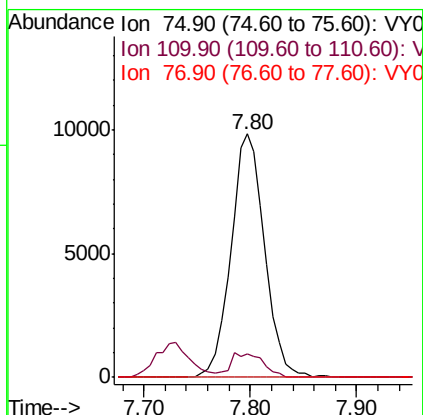
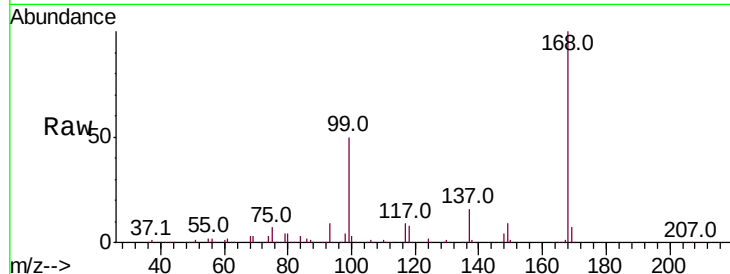




#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002628.D
 Acq: 07 May 2020 13:59

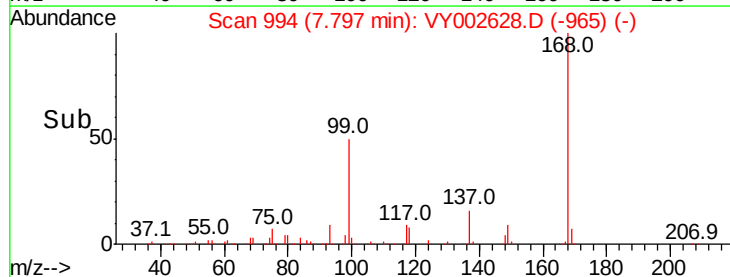
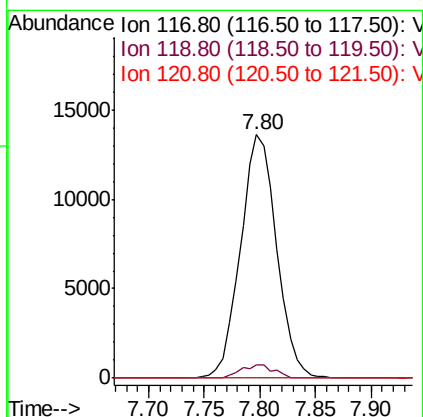
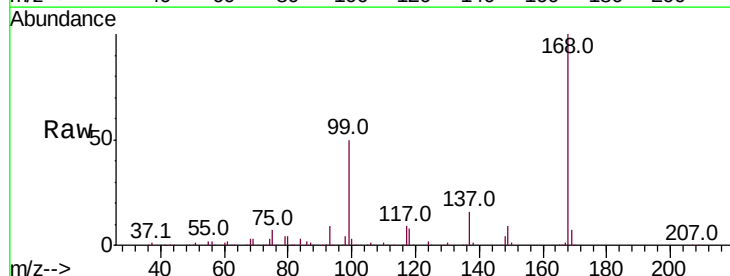
Instrument :
 MSVOA_Y
 ClientSampleId :

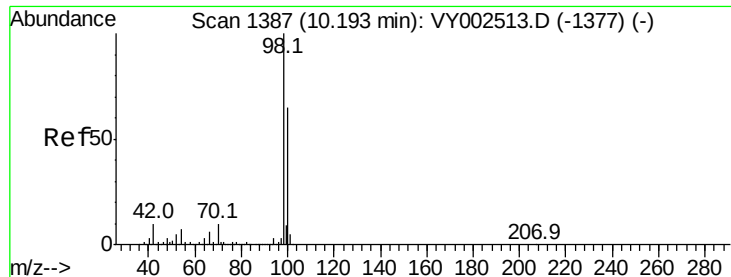
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.341 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002628.D
 Acq: 07 May 2020 13:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.707 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

Instrument :

MSVOA_Y

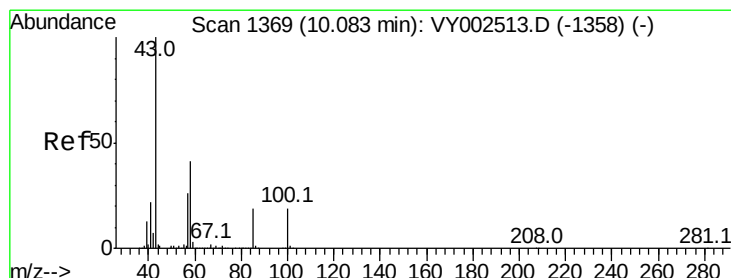
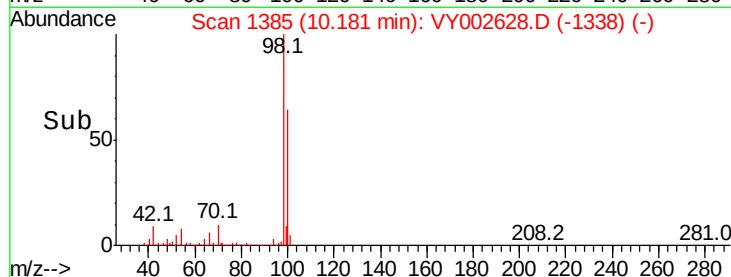
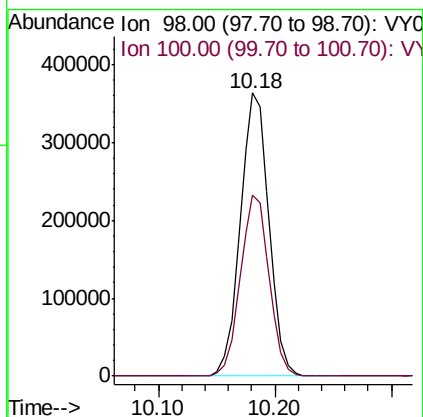
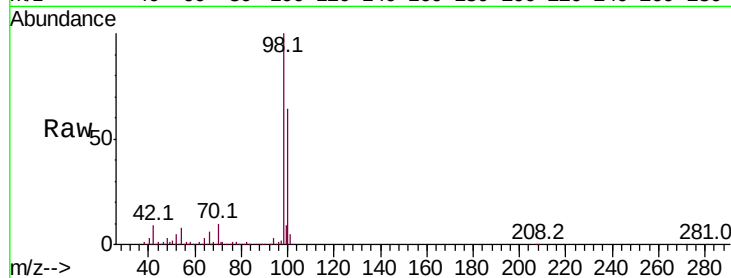
ClientSampleId :

Tot Ion: 98 Resp: 620971

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.120 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY002628.D

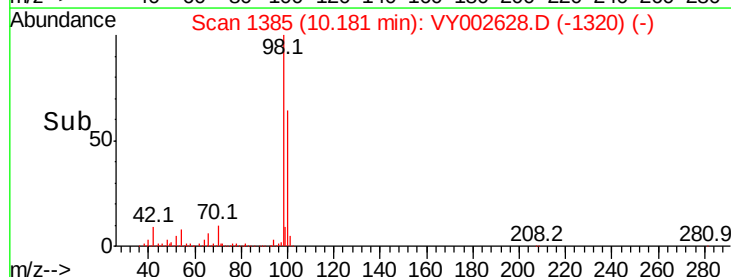
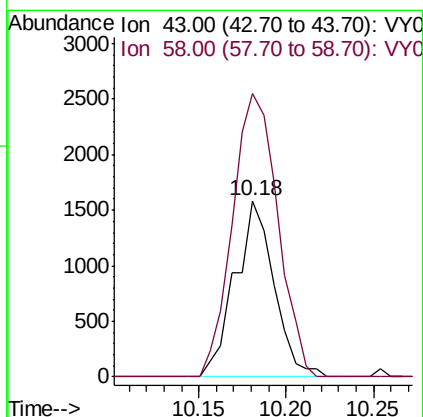
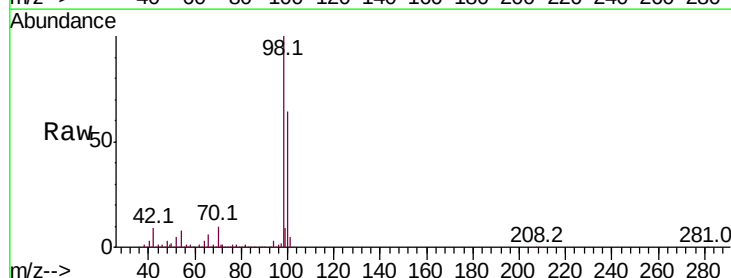
Acq: 07 May 2020 13:59

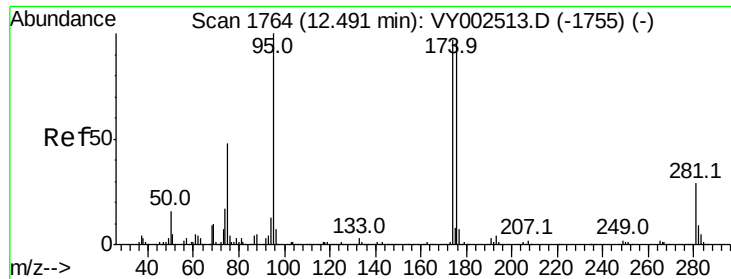
Tgt Ion: 43 Resp: 2460

Ion Ratio Lower Upper

43 100

58 186.7 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 49.728 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

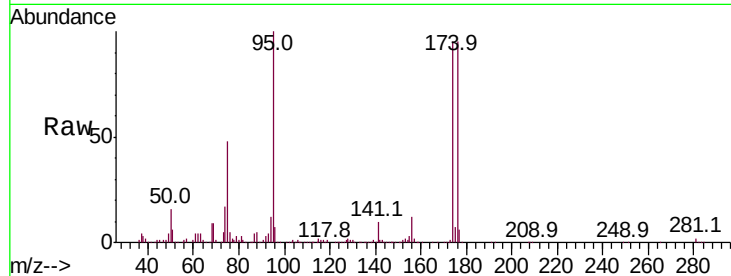
Tot Ion: 95 Resp: 198800

Ion Ratio Lower Upper

95 100

174 93.9 0.0 188.8

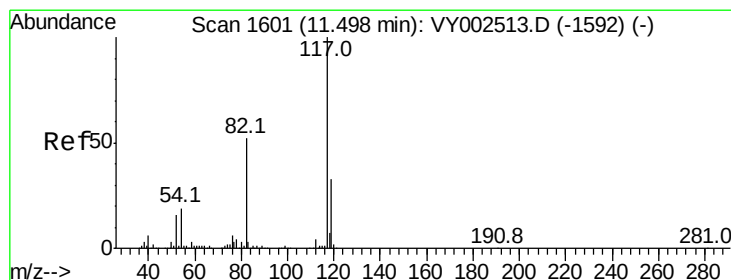
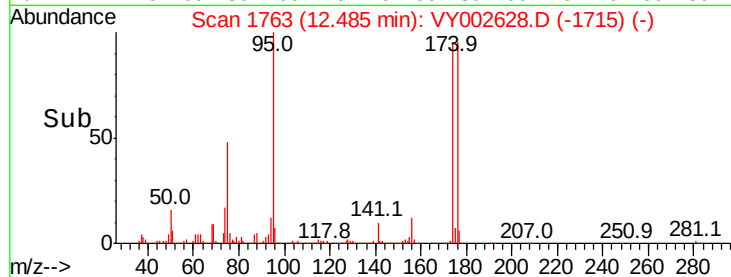
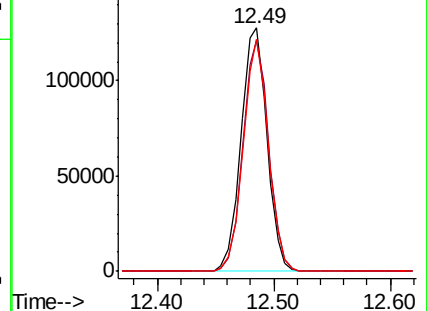
176 91.7 0.0 183.2



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: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

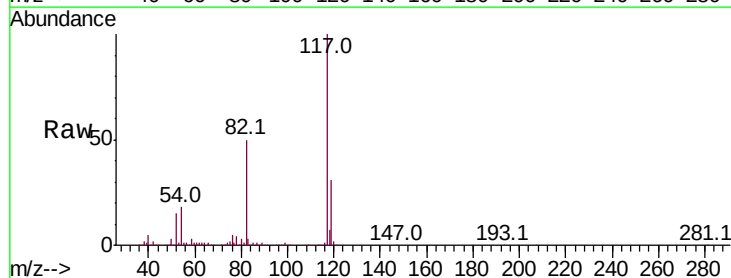
Tgt Ion: 117 Resp: 470124

Ion Ratio Lower Upper

117 100

82 50.3 41.3 61.9

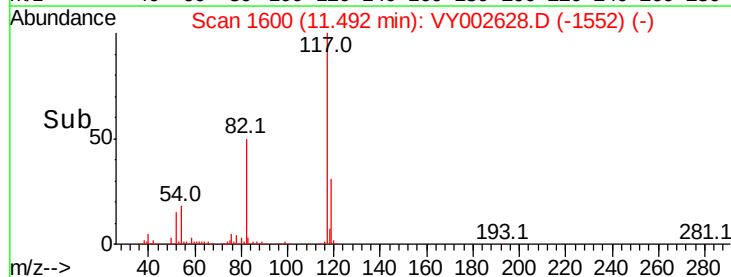
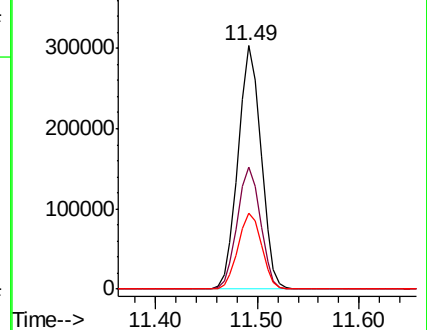
119 31.0 26.0 39.0

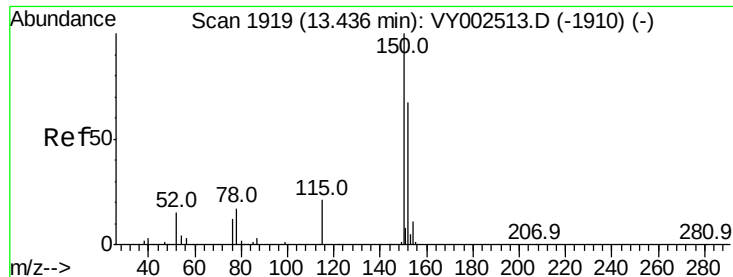


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

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

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



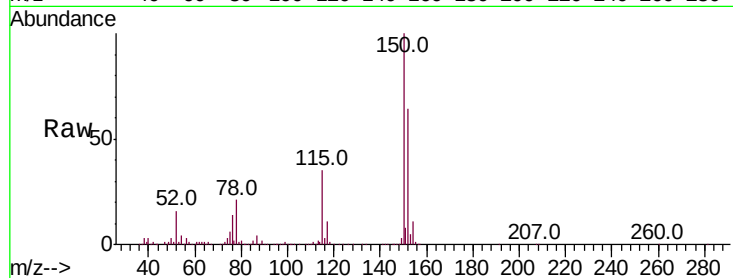


#72

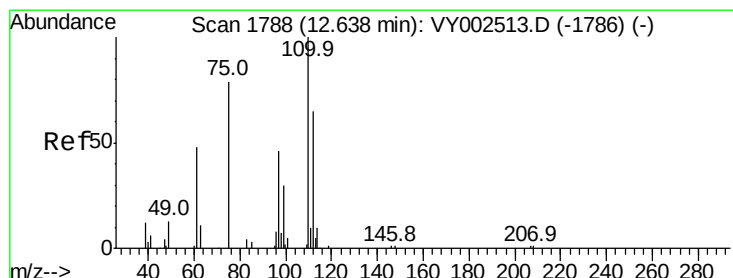
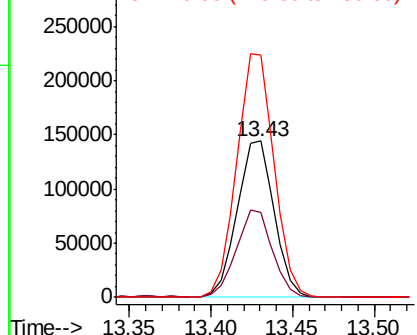
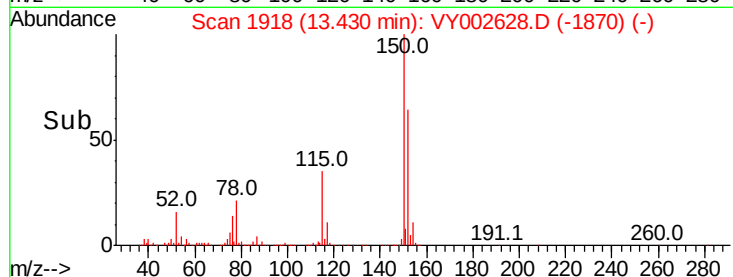
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002628.D
Acq: 07 May 2020 13:59

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 226574
Ion Ratio Lower Upper
152 100
115 54.8 27.5 82.4
150 157.8 0.0 346.4



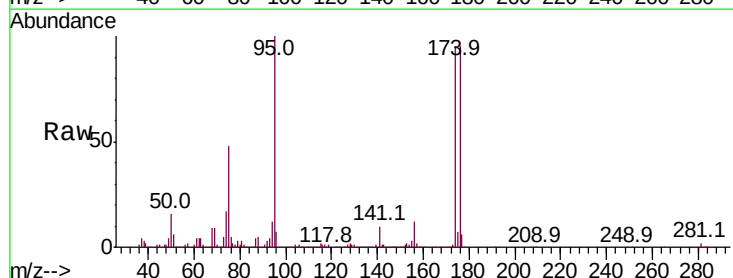
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



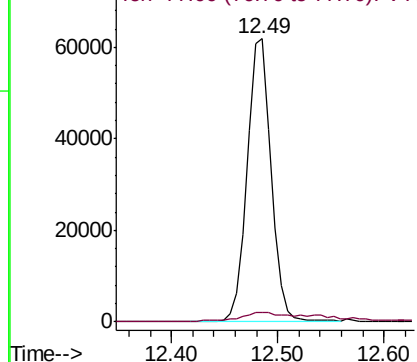
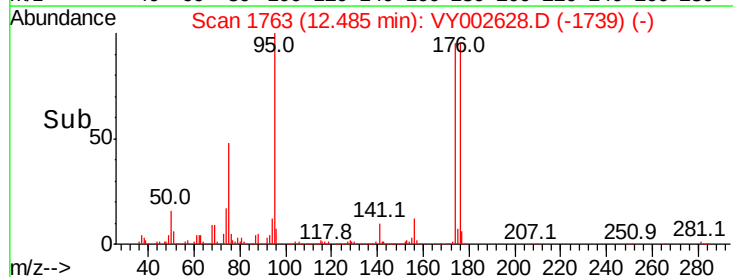
#76

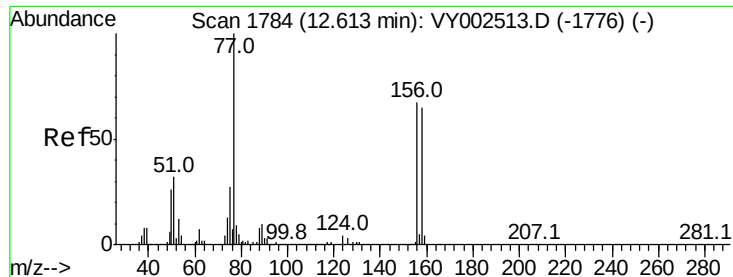
1,2,3-Trichloropropane
Concen: 48.893 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002628.D
Acq: 07 May 2020 13:59

Tgt Ion: 75 Resp: 98445
Ion Ratio Lower Upper
75 100
77 7.8 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: 15.604 ug/l

RT: 12.70 min Scan# 1798

Delta R.T. 0.09 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

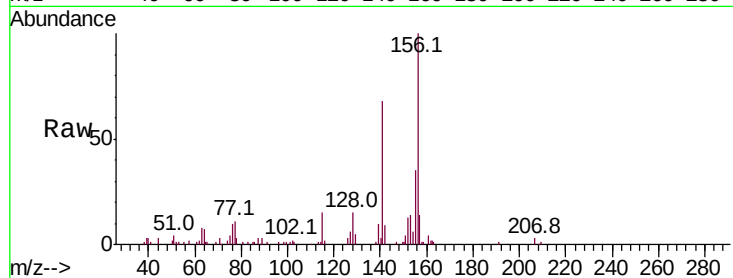
Tot Ion:156 Resp: 57248

Ion Ratio Lower Upper

156 100

77 7.3 82.0 245.8#

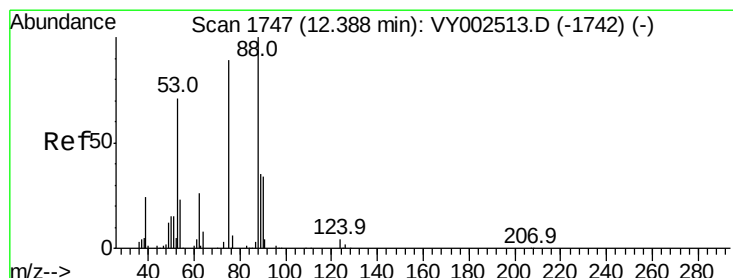
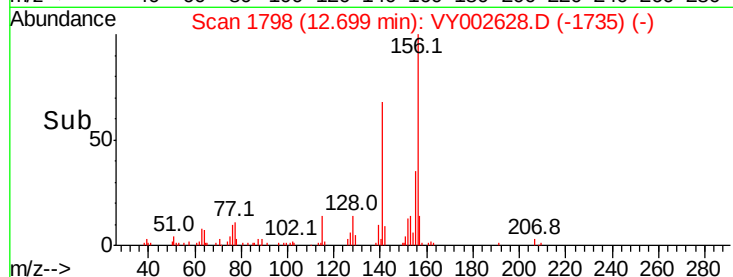
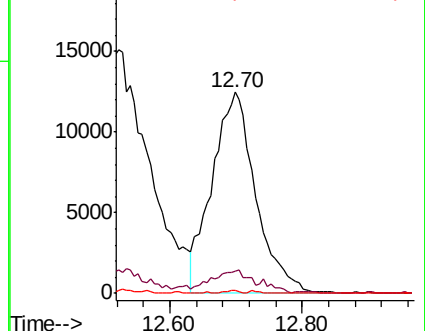
158 0.4 48.5 145.6#



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: 98.039 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

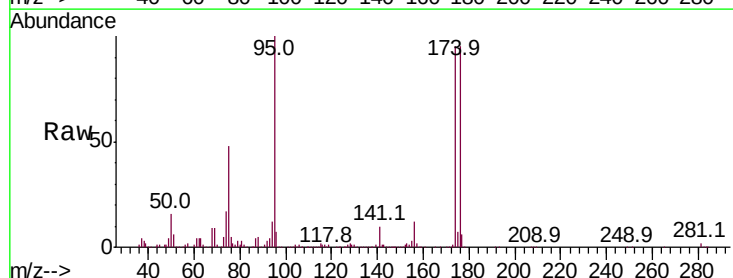
Tgt Ion: 75 Resp: 98445

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

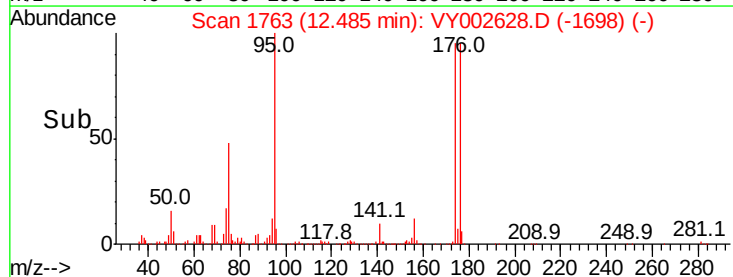
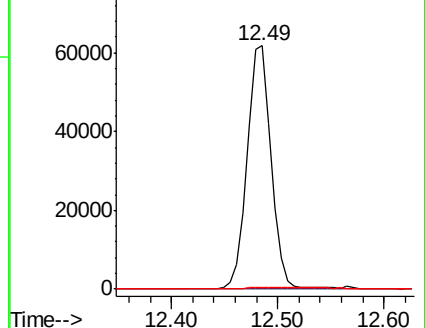
89 1.7 37.4 56.0#

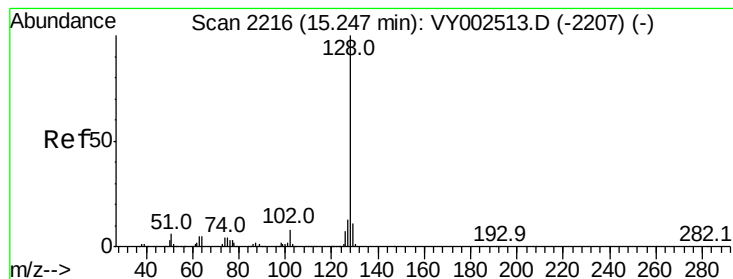


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 7.273 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002628.D

Acq: 07 May 2020 13:59

Instrument :

MSVOA_Y

ClientSampleId :

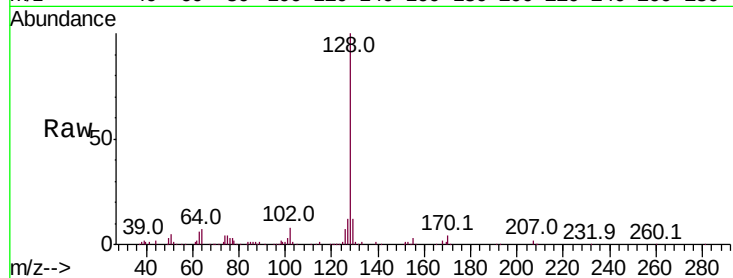
Tot Ion:128 Resp: 59681

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.8 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

