

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002686.D
 Acq On : 13 May 2020 15:47
 Operator : SY/MD
 Sample : L2638-02
 Misc : 8.41G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:57:12 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	316943	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	497749	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	437371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201220	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	131335	49.28	ug/l	-0.01
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	7.73	113	145427	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.18	98	574703	51.70	ug/l	-0.01
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.48	95	178558	47.34	ug/l	-0.01
Spiked Amount			Recovery	=	94.68%	

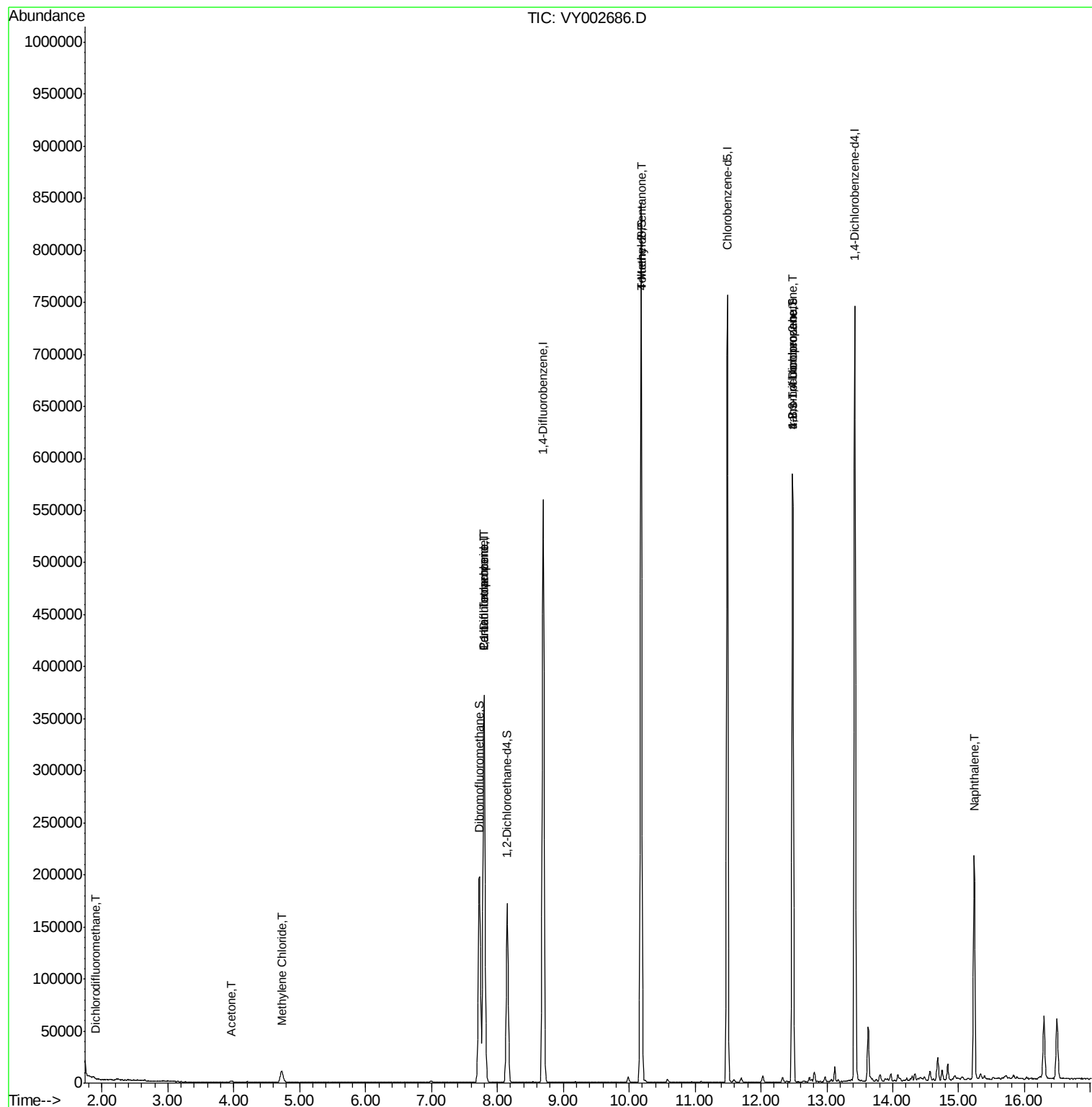
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	85	1.816	ug/l #	43
16) Acetone	3.96	43	1008	1.833	ug/l	98
20) Methylene Chloride	4.73	84	8986	2.922	ug/l	93
36) 1,1-Dichloropropene	7.80	75	18881	4.525	ug/l #	50
38) Carbon Tetrachloride	7.80	117	28553	6.268	ug/l #	15
51) 4-Methyl-2-Pentanone	10.18	43	2103	1.015	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	85253	47.676	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85253	95.600	ug/l #	15
95) Naphthalene	15.23	128	179720	24.661	ug/l	100

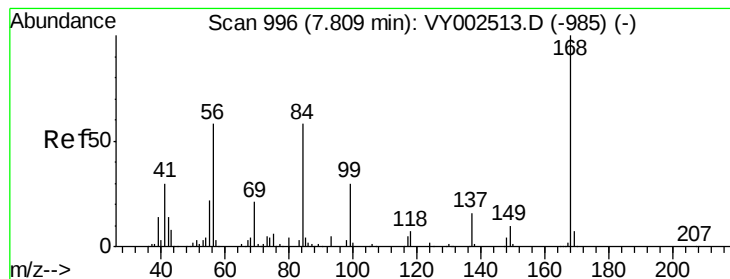
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002686.D

Acq: 13 May 2020 15:47

Instrument :

MSVOA_Y

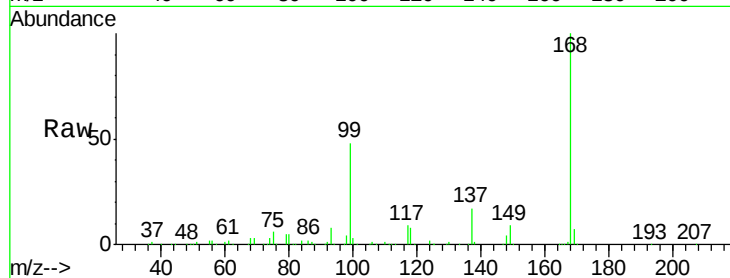
ClientSampleId :

Tot Ion:168 Resp: 316943

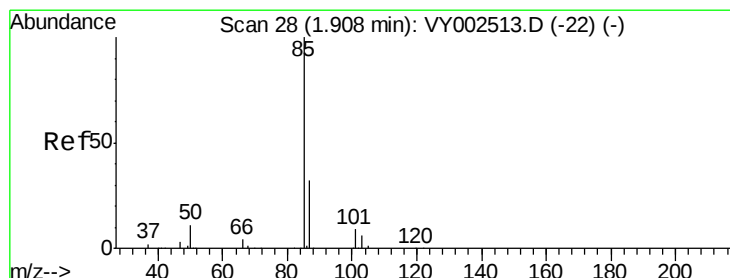
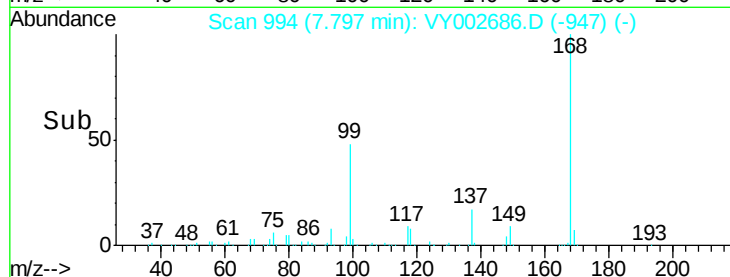
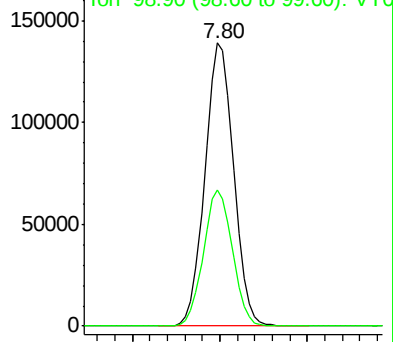
Ion Ratio Lower Upper

168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)



#2

Dichlorodifluoromethane

Concen: 1.816 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002686.D

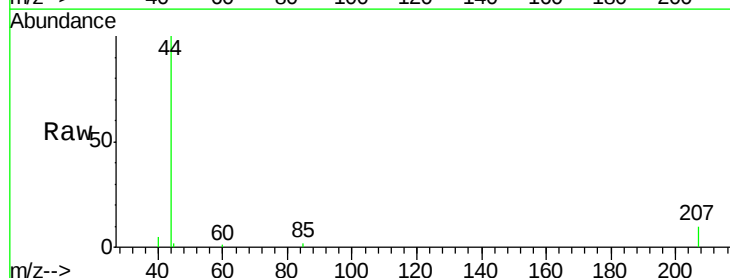
Acq: 13 May 2020 15:47

Tgt Ion: 85 Resp: 85

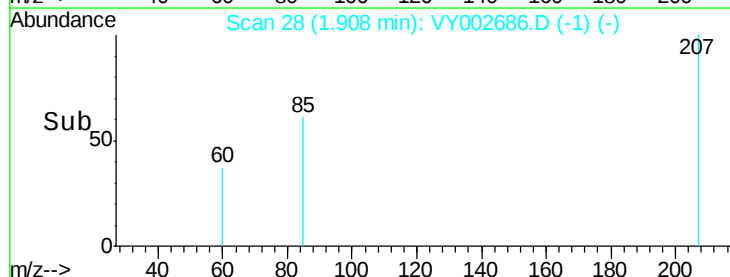
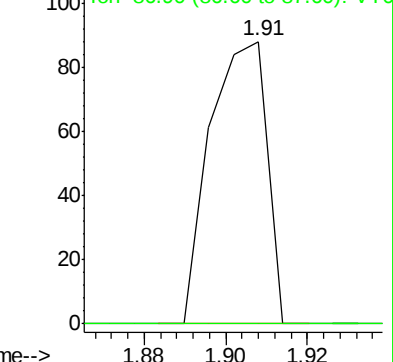
Ion Ratio Lower Upper

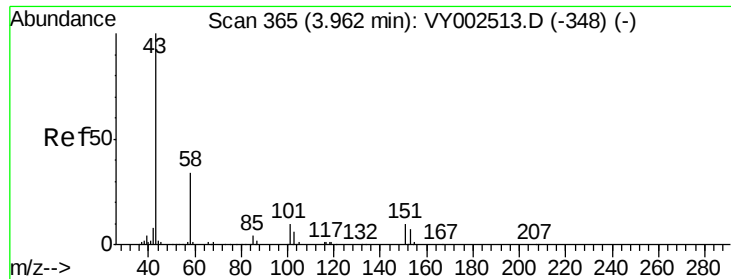
85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)





#16

Acetone

Concen: 1.833 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002686.D

Acq: 13 May 2020 15:47

Instrument :

MSVOA_Y

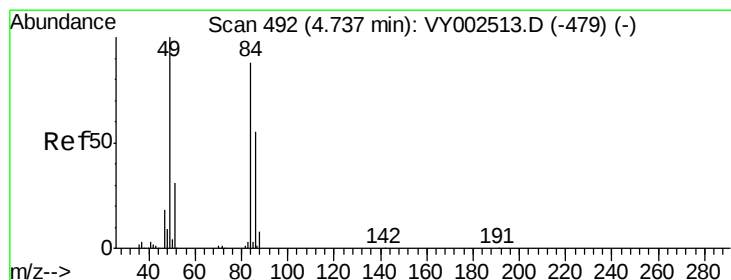
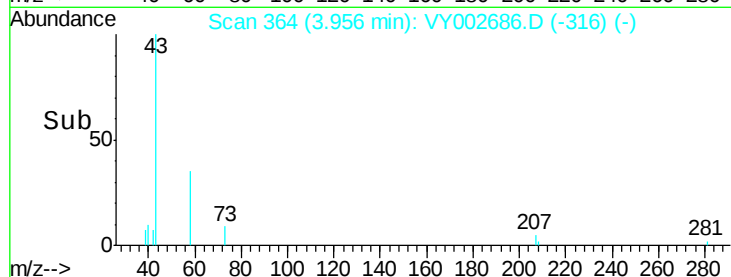
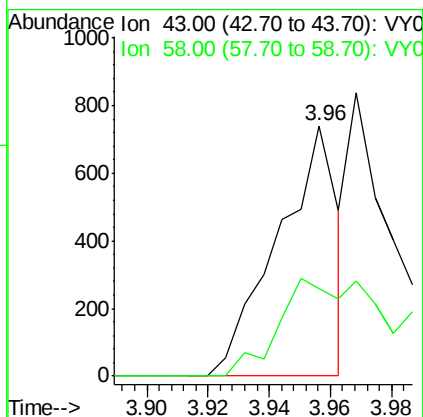
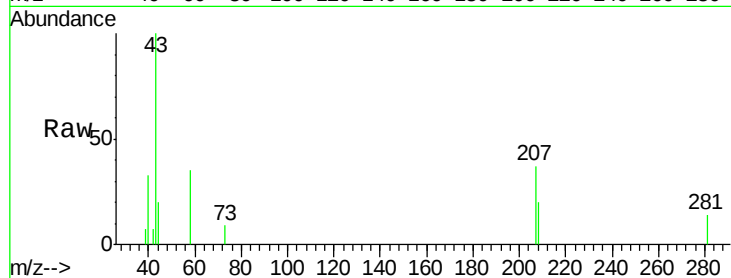
ClientSampleId :

Tot Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

58 34.9 26.9 40.3



#20

Methylene Chloride

Concen: 2.922 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002686.D

Acq: 13 May 2020 15:47

Tgt Ion: 84 Resp: 8986

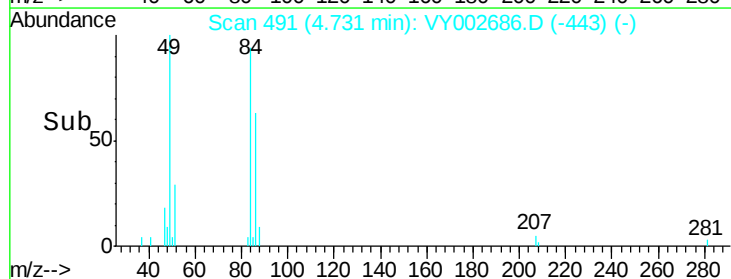
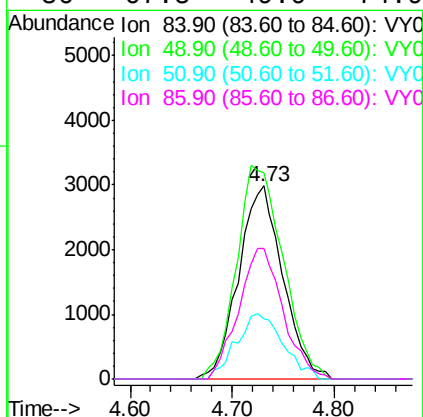
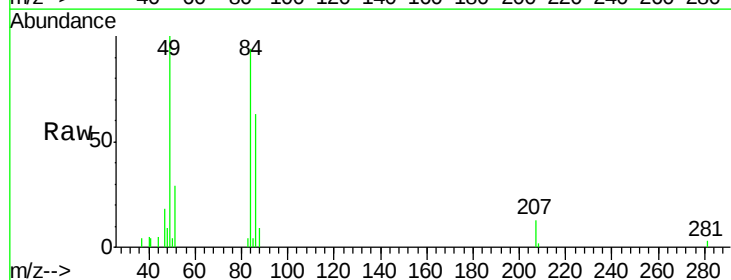
Ion Ratio Lower Upper

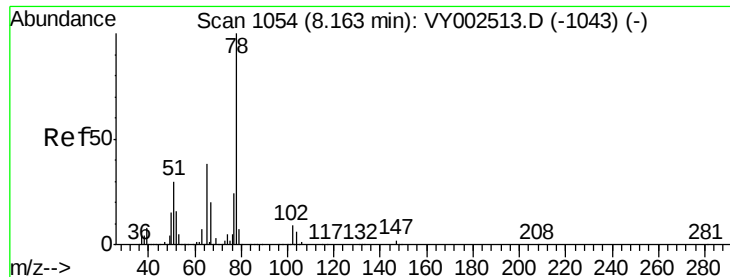
84 100

49 106.4 90.5 135.7

51 31.1 28.3 42.5

86 67.5 49.9 74.9





#33

1,2-Dichloroethane-d4

Concen: 49.283 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002686.D

Acq: 13 May 2020 15:47

Instrument :

MSVOA_Y

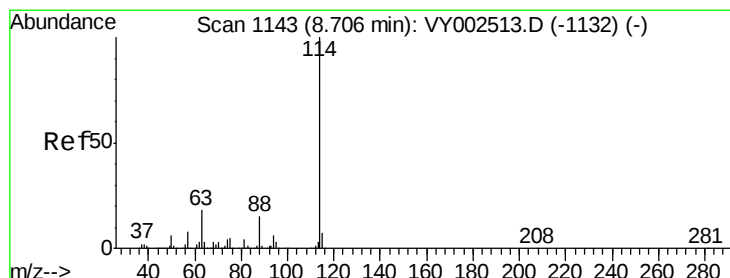
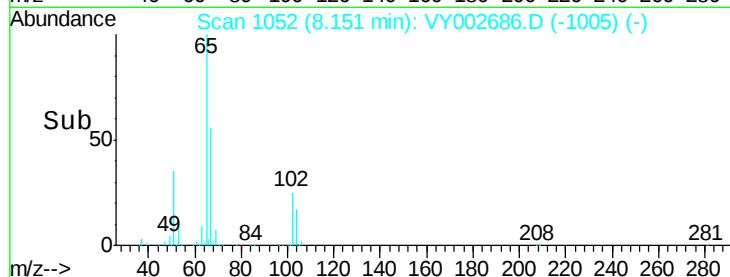
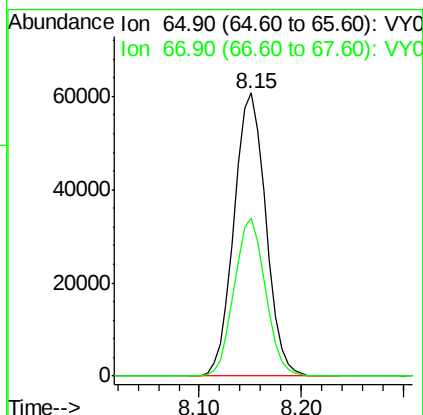
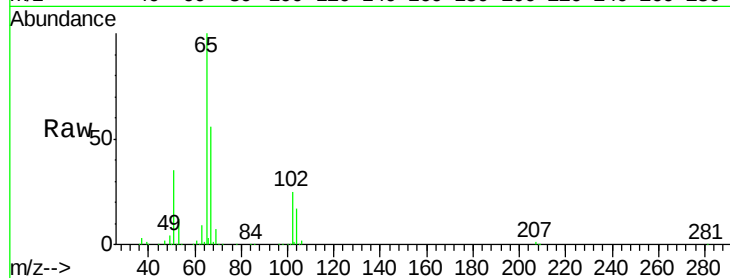
ClientSampleId :

Tot Ion: 65 Resp: 131335

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002686.D

Acq: 13 May 2020 15:47

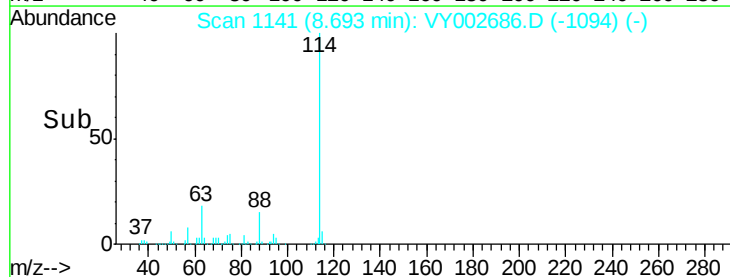
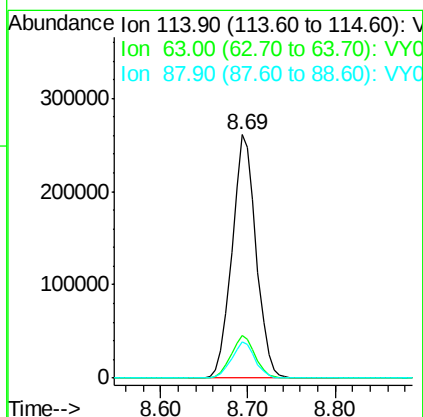
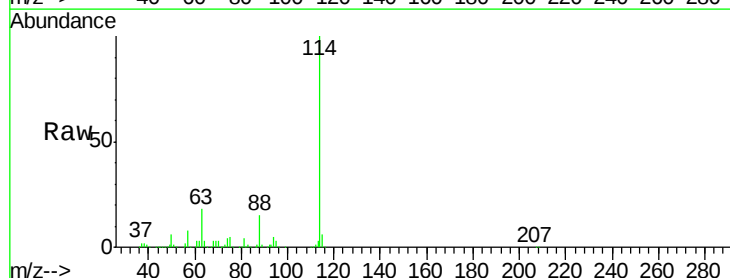
Tgt Ion: 114 Resp: 497749

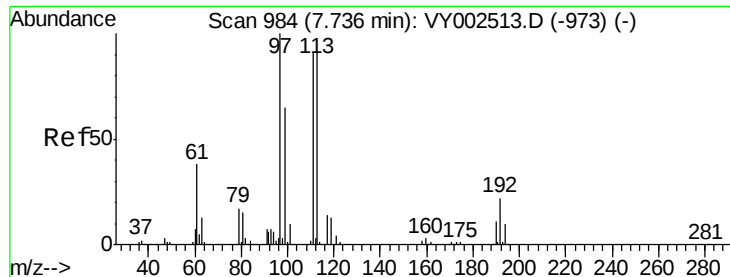
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.4

88 14.9 0.0 29.6

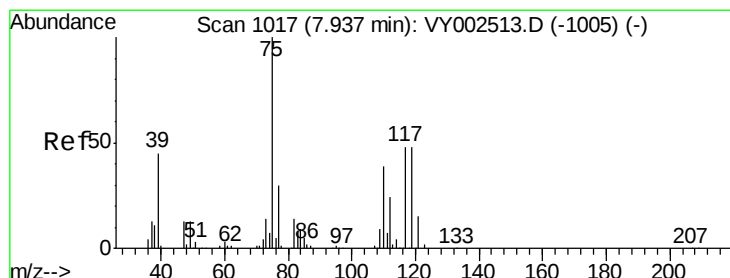
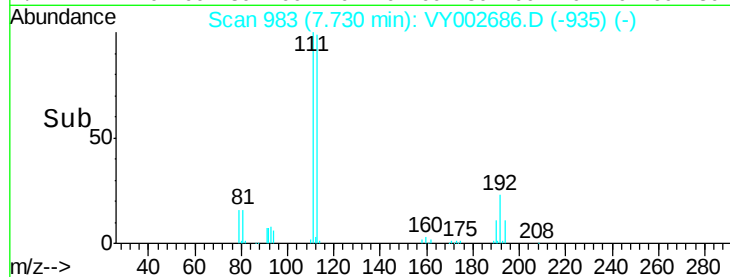
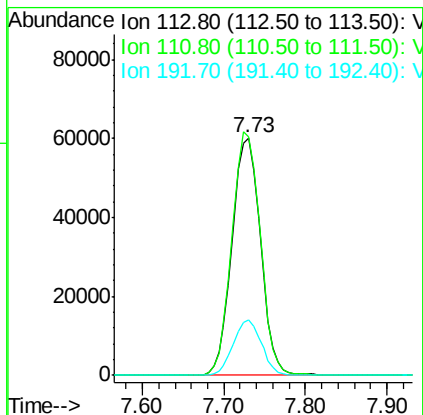
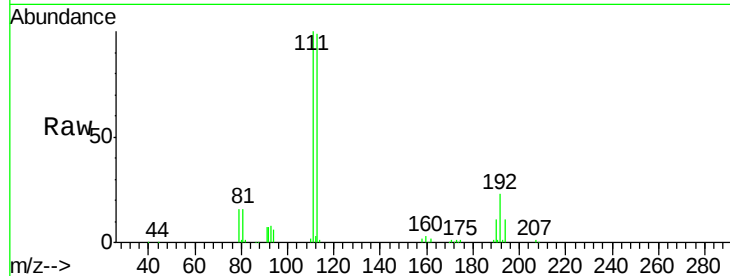




#35
 Dibromofluoromethane
 Concen: 51.087 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002686.D
 Acq: 13 May 2020 15:47

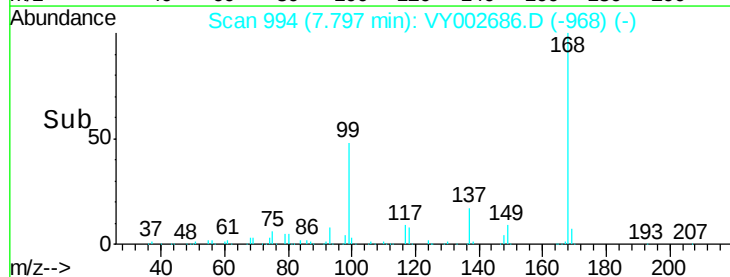
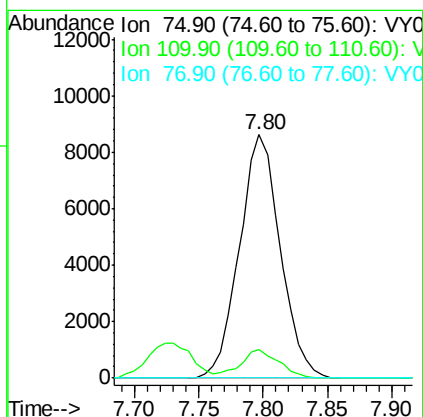
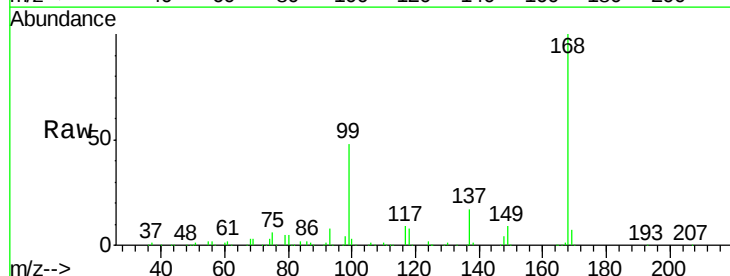
Instrument :
 MSVOA_Y
 ClientSampleId :

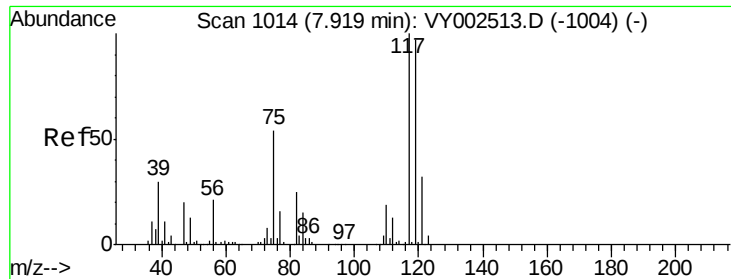
Tot Ion:113 Resp: 145427
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 22.9 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.525 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002686.D
 Acq: 13 May 2020 15:47

Tgt Ion: 75 Resp: 18881
 Ion Ratio Lower Upper
 75 100
 110 11.1 19.1 57.3#
 77 0.0 24.6 37.0#

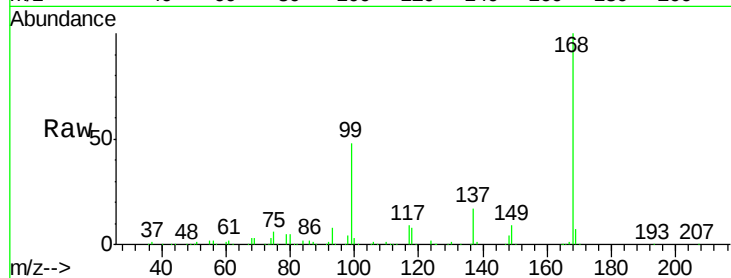




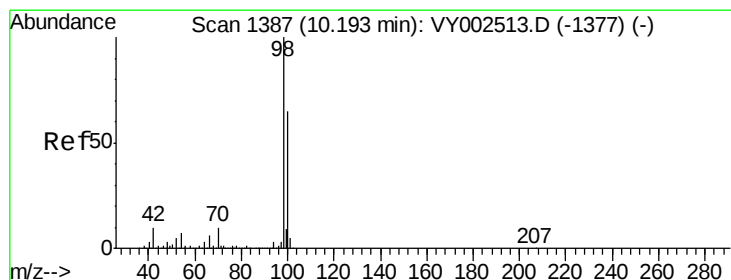
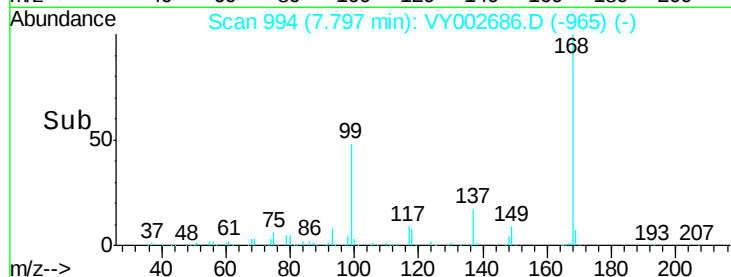
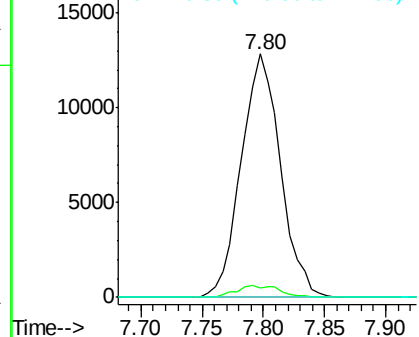
#38
Carbon Tetrachloride
Concen: 6.268 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002686.D
Acq: 13 May 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 28553
Ion Ratio Lower Upper
117 100
119 4.0 77.1 115.7#
121 0.0 25.2 37.8#

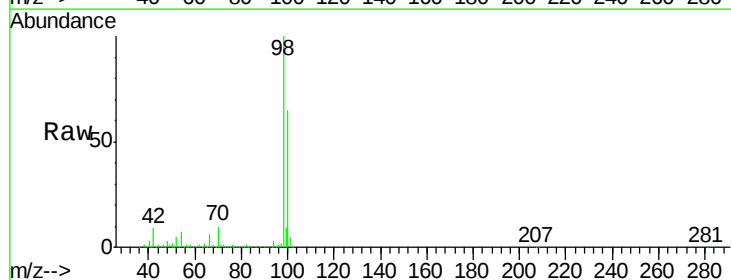


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

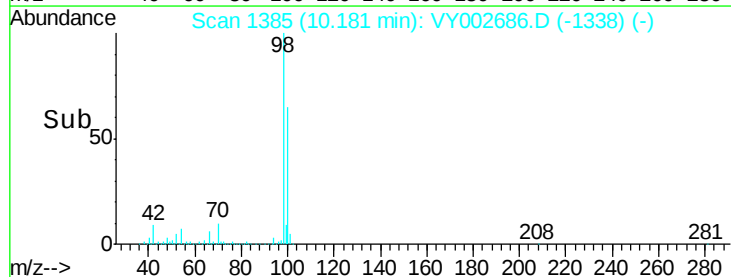
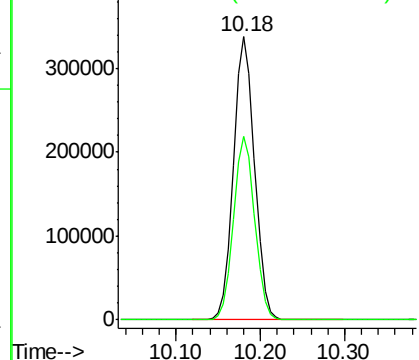


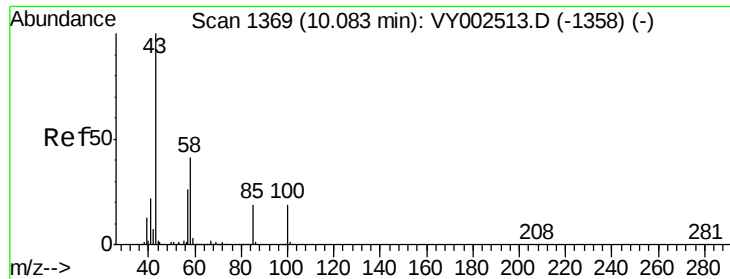
#50
Toluene-d8
Concen: 51.698 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002686.D
Acq: 13 May 2020 15:47

Tgt Ion: 98 Resp: 574703
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY002686.D

Acq: 13 May 2020 15:47

Instrument :

MSVOA_Y

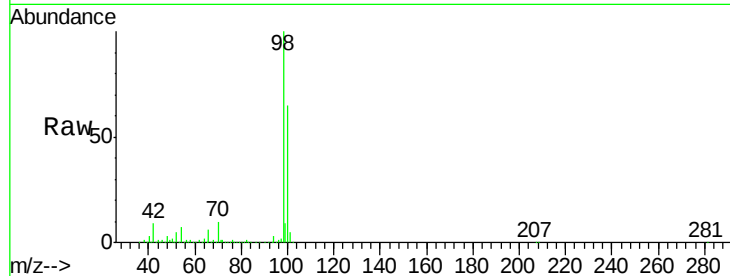
ClientSampled :

Tot Ion: 43 Resp: 2103

Ion Ratio Lower Upper

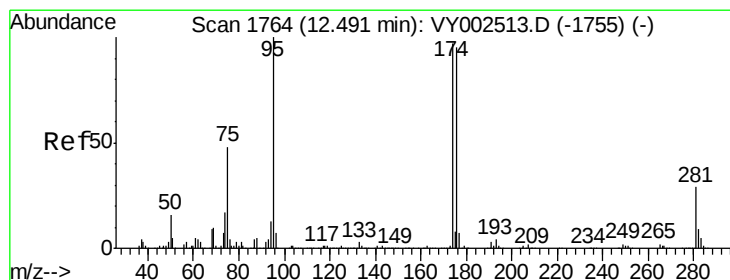
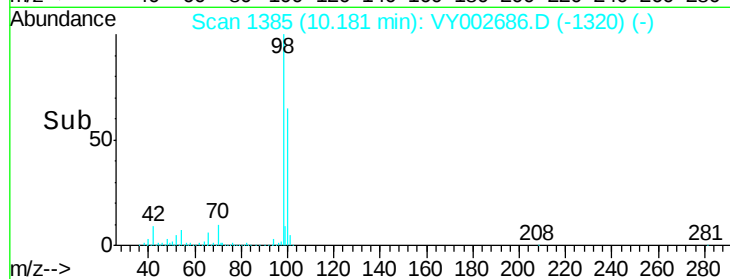
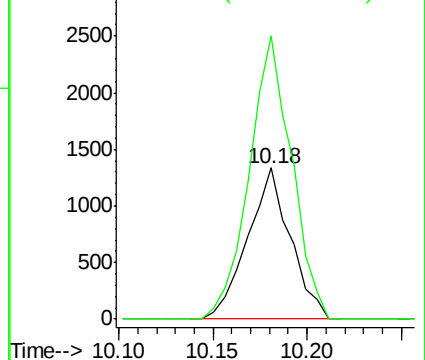
43 100

58 185.7 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 47.336 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002686.D

Acq: 13 May 2020 15:47

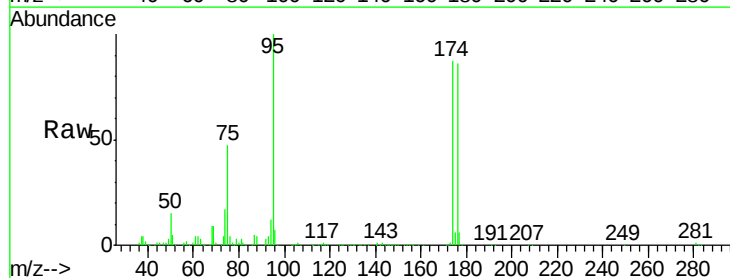
Tgt Ion: 95 Resp: 178558

Ion Ratio Lower Upper

95 100

174 94.3 0.0 188.8

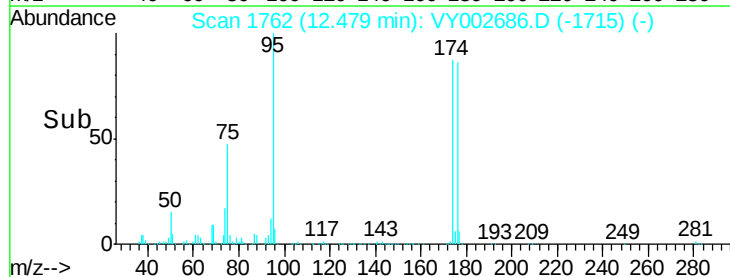
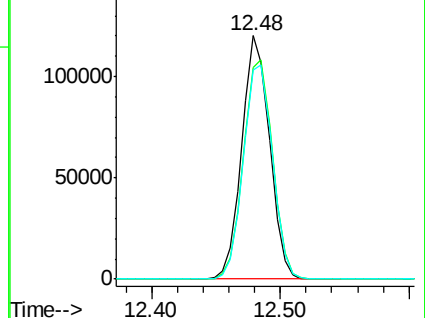
176 92.3 0.0 183.2

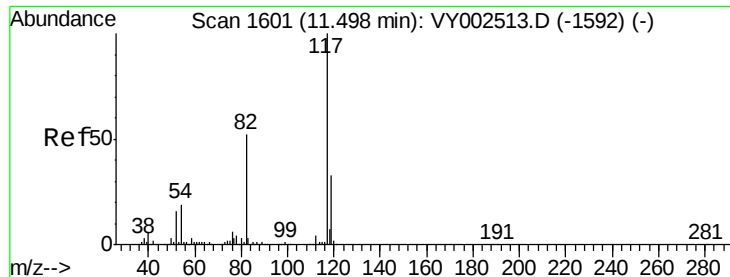


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

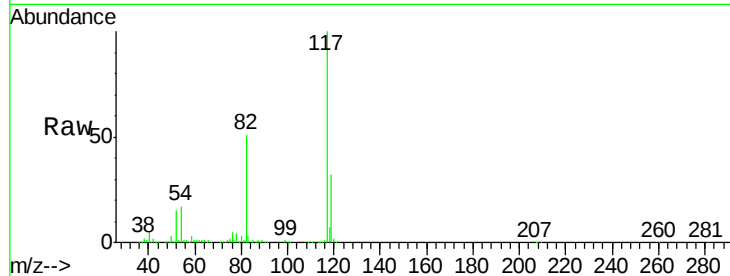




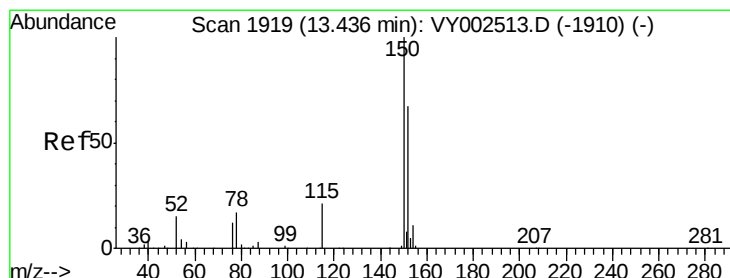
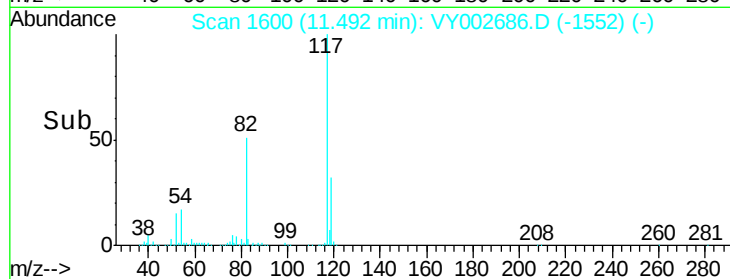
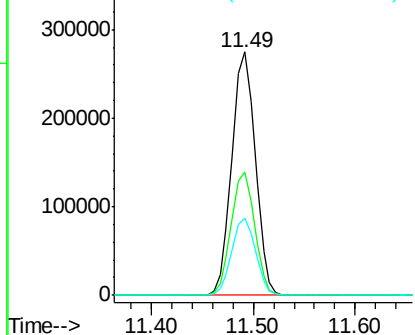
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002686.D
Acq: 13 May 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 437371
Ion Ratio Lower Upper
117 100
82 50.7 41.3 61.9
119 31.6 26.0 39.0

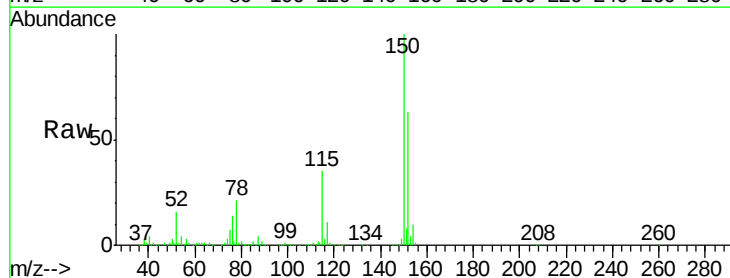


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

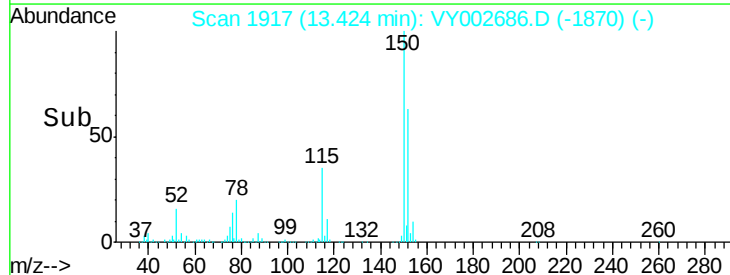
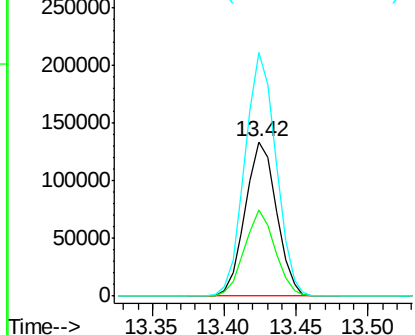


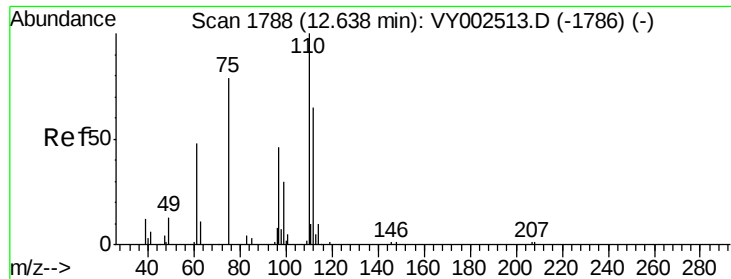
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002686.D
Acq: 13 May 2020 15:47

Tgt Ion:152 Resp: 201220
Ion Ratio Lower Upper
152 100
115 54.4 27.5 82.4
150 157.0 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

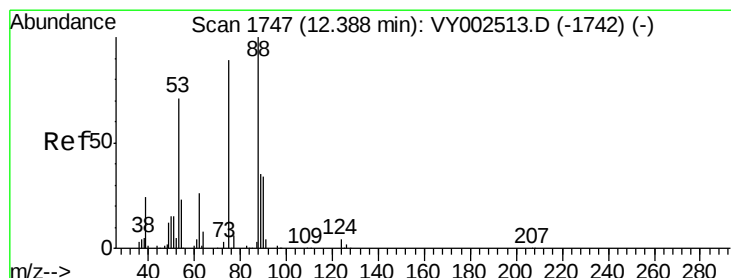
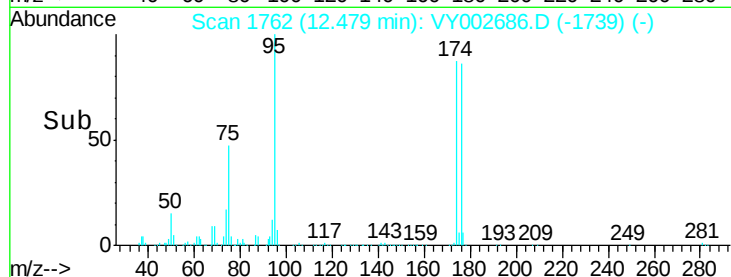
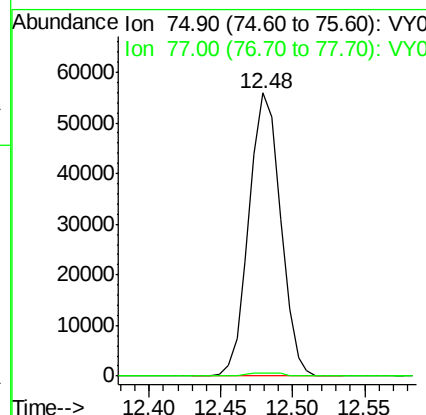
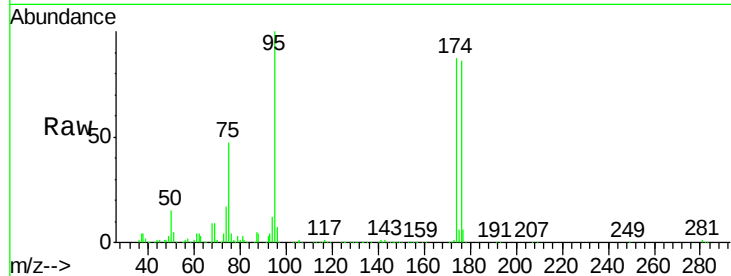




#76
 1,2,3-Trichloropropane
 Concen: 47.676 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY002686.D
 Acq: 13 May 2020 15:47

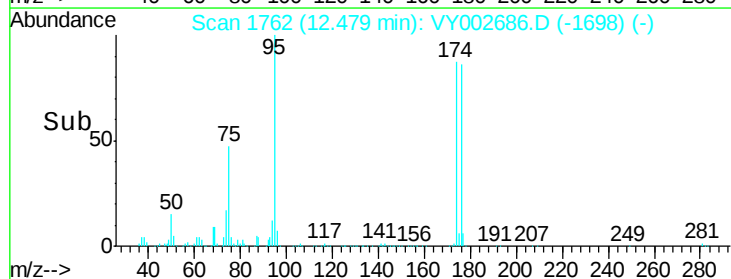
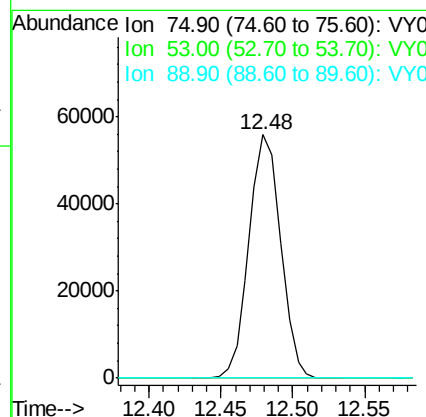
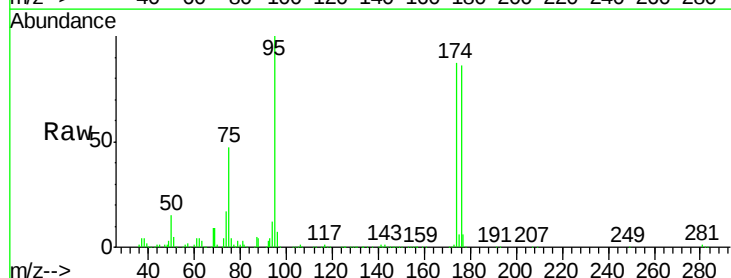
Instrument :
 MSVOA_Y
 ClientSampleId :

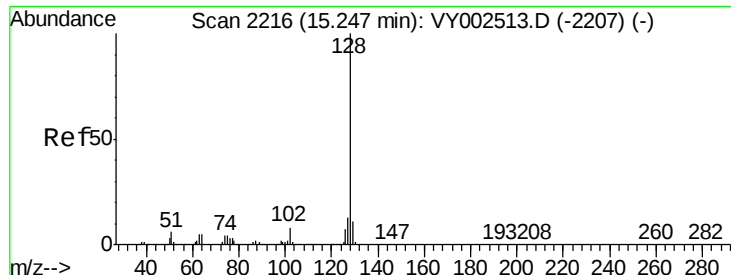
Tot Ion: 75 Resp: 85253
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.600 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.09 min
 Lab File: VY002686.D
 Acq: 13 May 2020 15:47

Tgt Ion: 75 Resp: 85253
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.1 37.4 56.0#

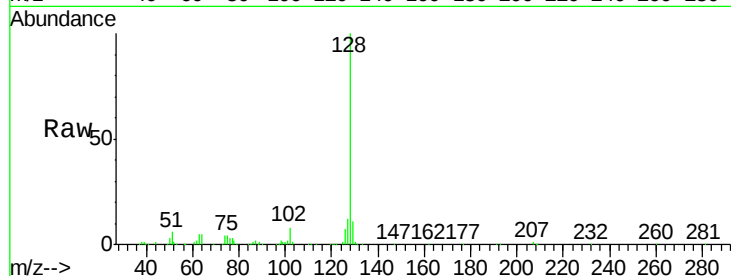




#95
Naphthalene
Concen: 24.661 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY002686.D
Acq: 13 May 2020 15:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	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

