

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001628.D
 Acq On : 13 Feb 2020 16:07
 Operator : SY/MD
 Sample : L1528-04
 Misc : 5.27G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 06:25:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

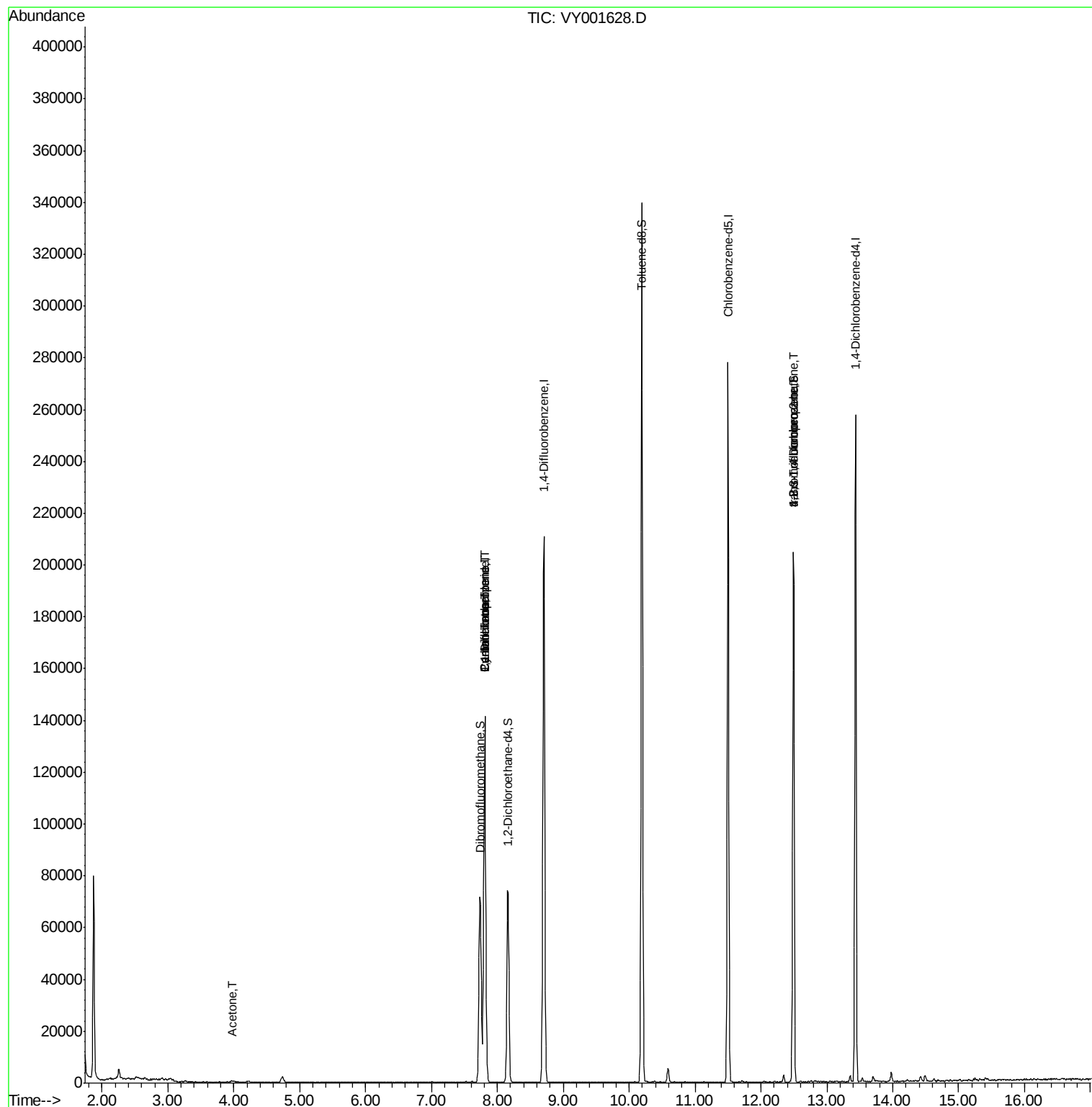
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	107550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	181129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	152111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	62854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	56721	52.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.76%	
35) Dibromofluoromethane	7.74	113	50922	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
50) Toluene-d8	10.19	98	214182	54.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.49	95	66071	42.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.98	59	22	Below Cal	#	76
16) Acetone	3.97	43	1311	4.185	ug/l #	84
20) Methylene Chloride	4.74	84	1592	Below Cal		97
31) Cyclohexane	7.81	56	2522	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	8790	5.305	ug/l #	48
38) Carbon Tetrachloride	7.81	117	10857	6.772	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	34464	50.987	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	34464	98.658	ug/l #	16

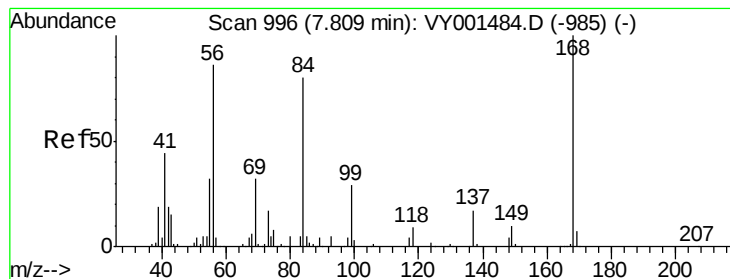
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Feb 14 06:25:00 2020
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QLast Update : Tue Feb 04 15:10:08 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: VY001628.D

Acq: 13 Feb 2020 16:07

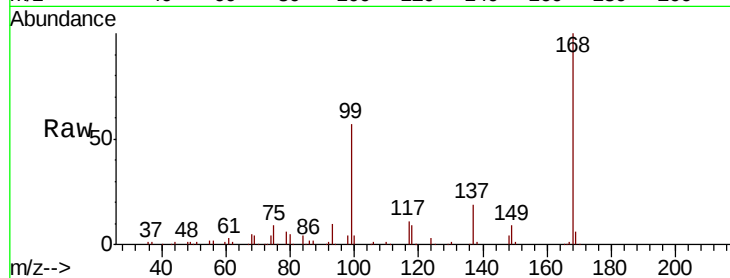
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 107550

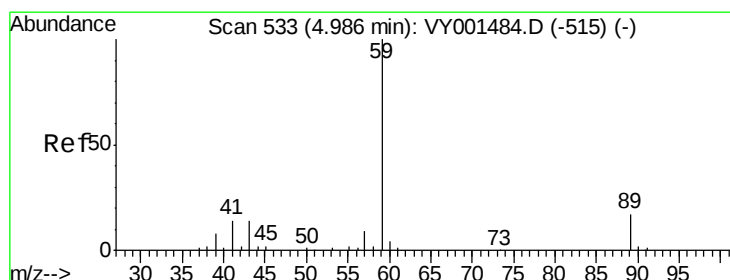
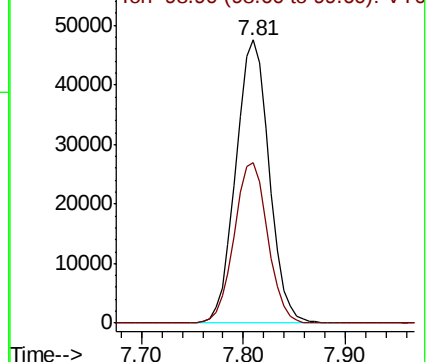
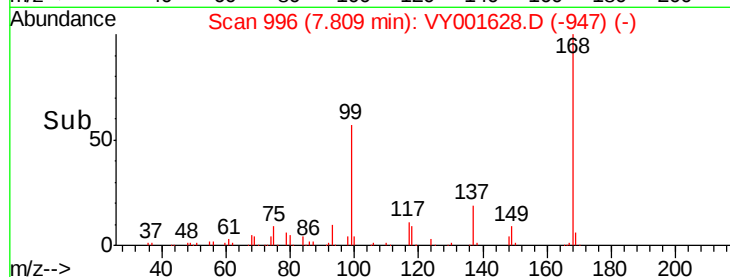
Ion Ratio Lower Upper

168 100

99 56.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001628.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001628.D

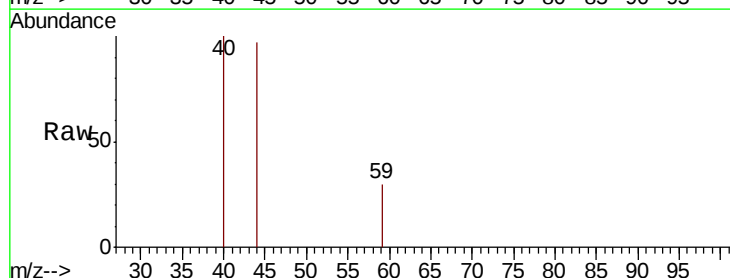
Acq: 13 Feb 2020 16:07

Tgt Ion: 59 Resp: 22

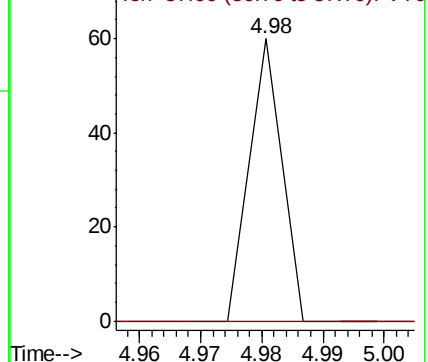
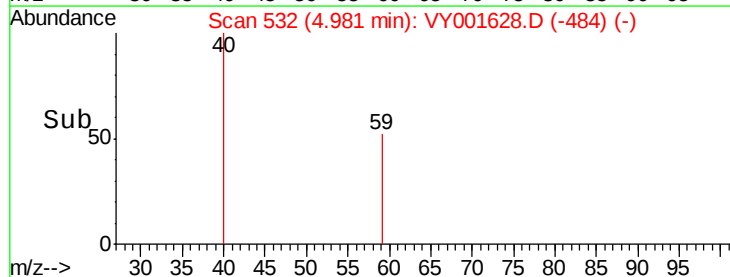
Ion Ratio Lower Upper

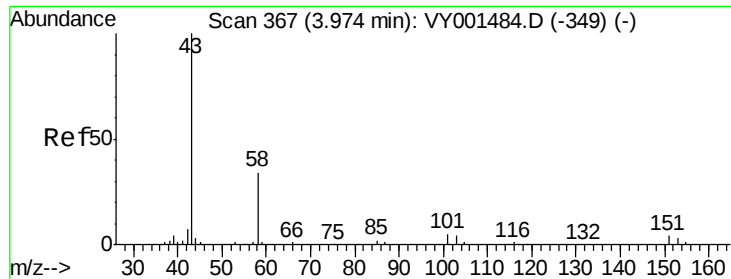
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001628.D (-484) (-)





#16

Acetone

Concen: 4.185 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001628.D

Acq: 13 Feb 2020 16:07

Instrument :

MSVOA_Y

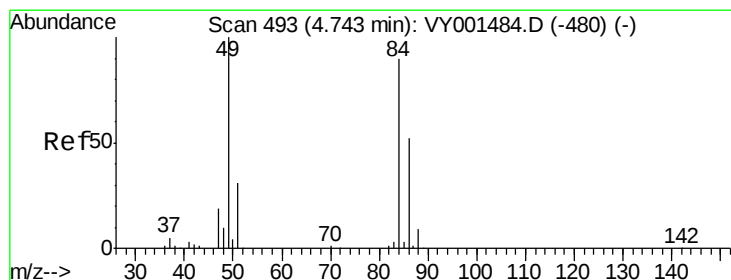
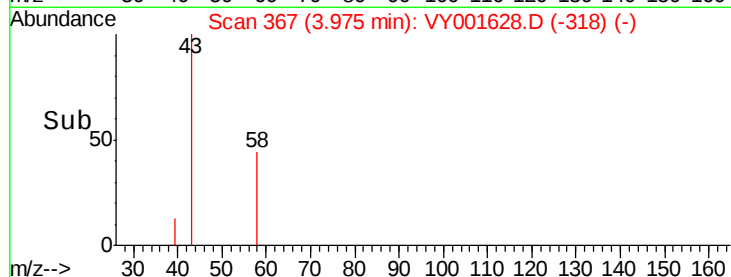
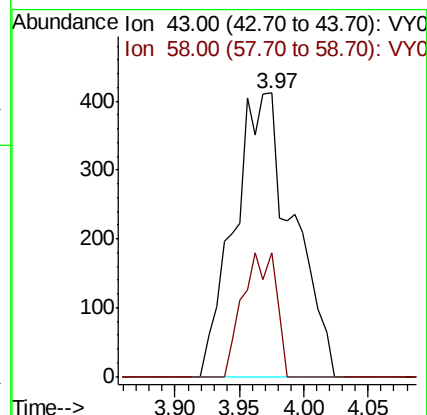
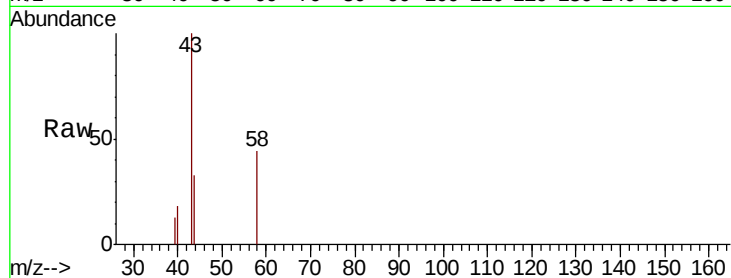
ClientSampled :

Tot Ion: 43 Resp: 1311

Ion Ratio Lower Upper

43 100

58 43.7 27.5 41.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.74 min Scan# 493

Delta R.T. 0.00 min

Lab File: VY001628.D

Acq: 13 Feb 2020 16:07

Tgt Ion: 84 Resp: 1592

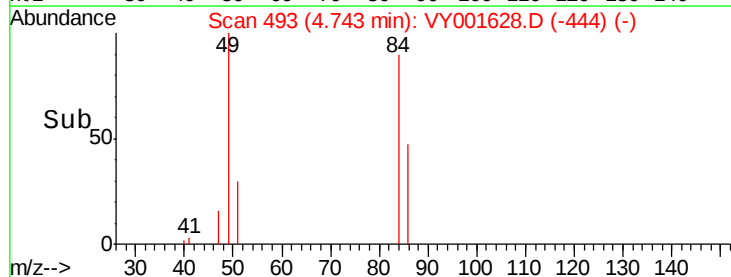
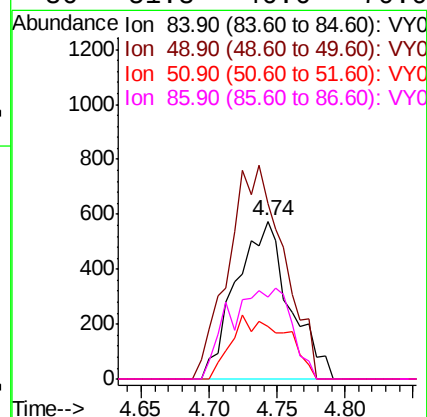
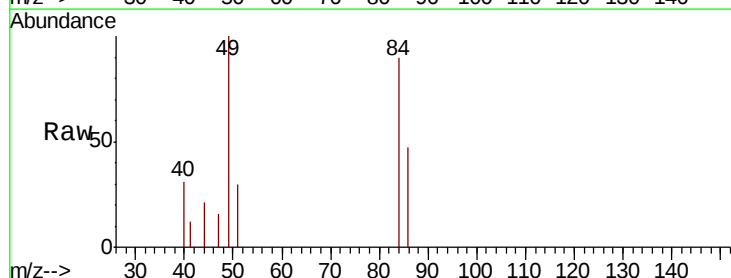
Ion Ratio Lower Upper

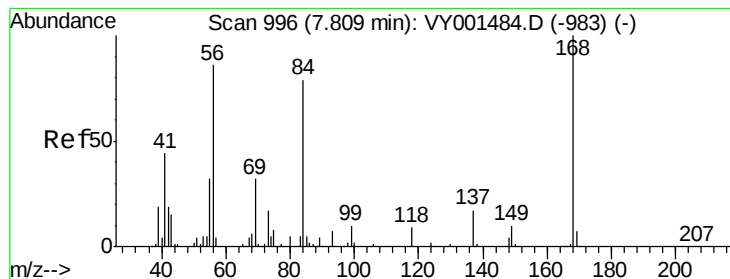
84 100

49 110.8 89.0 133.6

51 33.2 27.4 41.2

86 51.8 46.6 70.0





#31

Cyclohexane

Concen: 1.196 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001628.D

Acq: 13 Feb 2020 16:07

Instrument :

MSVOA_Y

ClientSampleId :

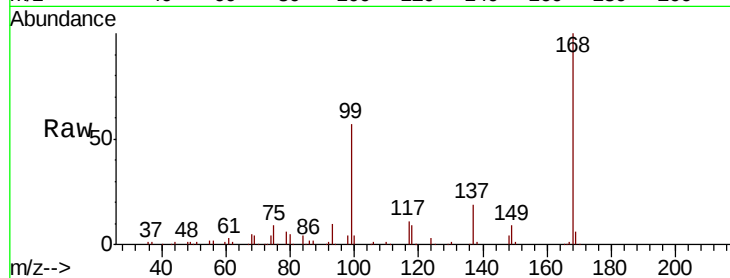
Tot Ion: 56 Resp: 2522

Ion Ratio Lower Upper

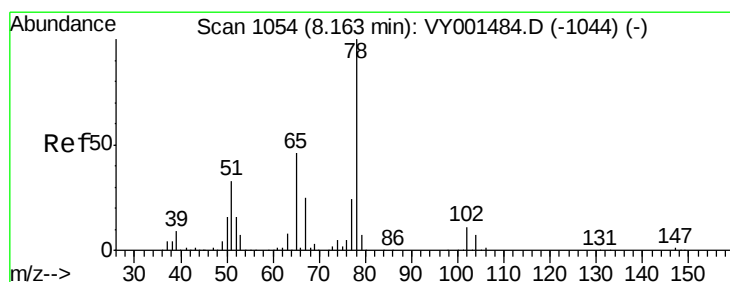
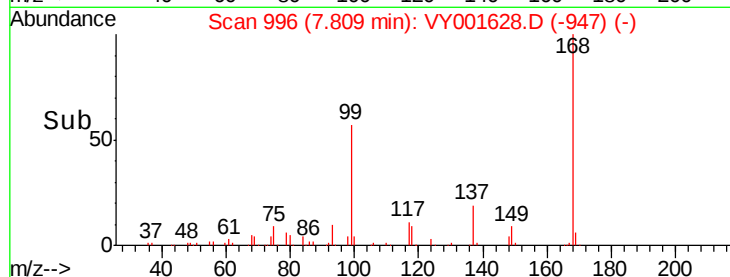
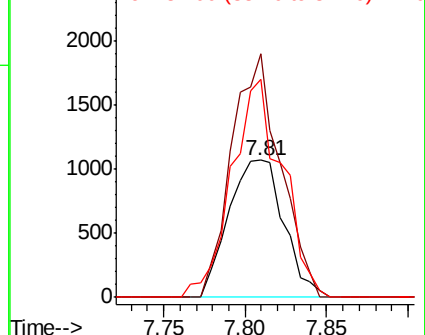
56 100

69 178.0 29.6 44.4#

84 159.1 73.6 110.4#



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: 52.380 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001628.D

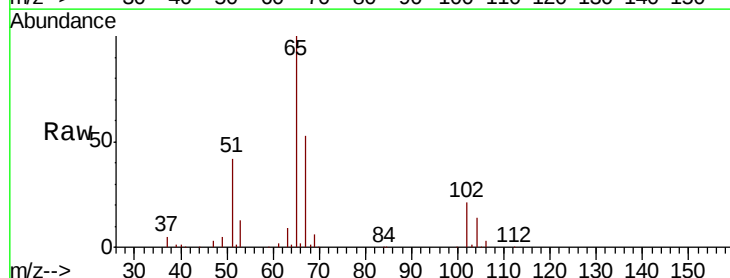
Acq: 13 Feb 2020 16:07

Tgt Ion: 65 Resp: 56721

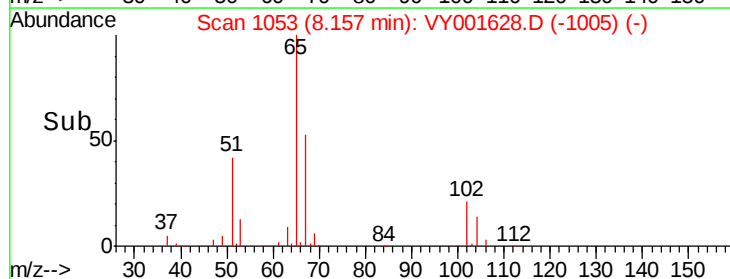
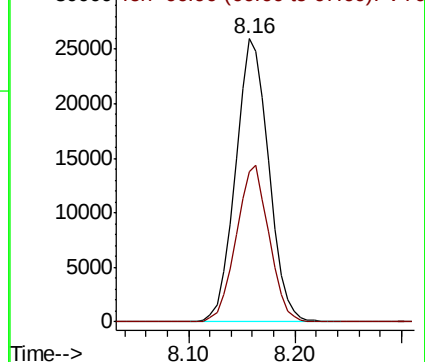
Ion Ratio Lower Upper

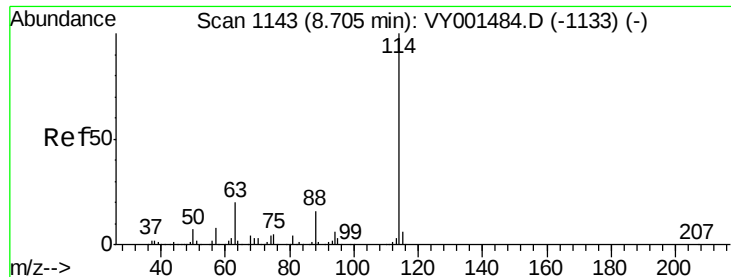
65 100

67 54.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

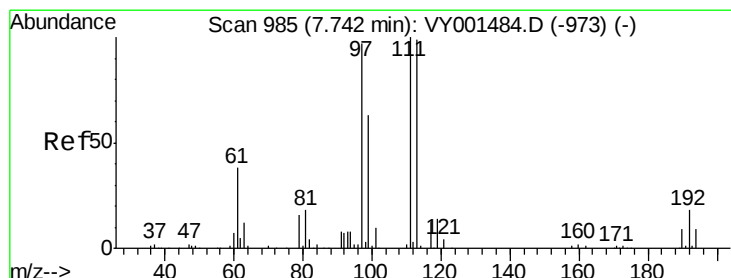
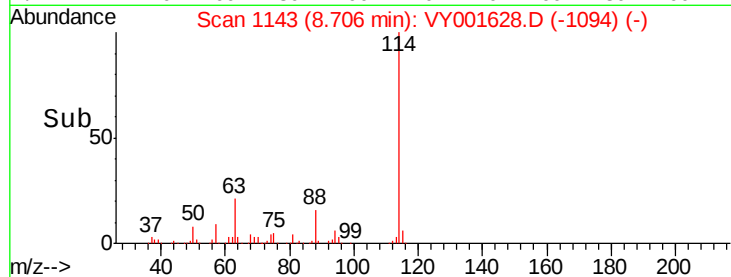
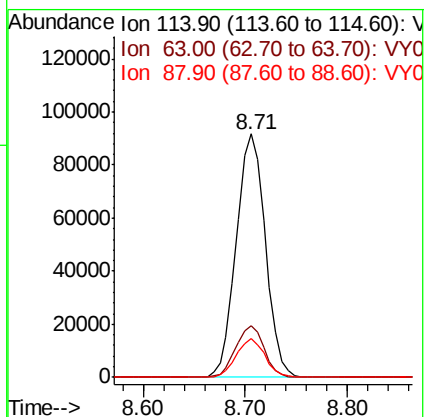
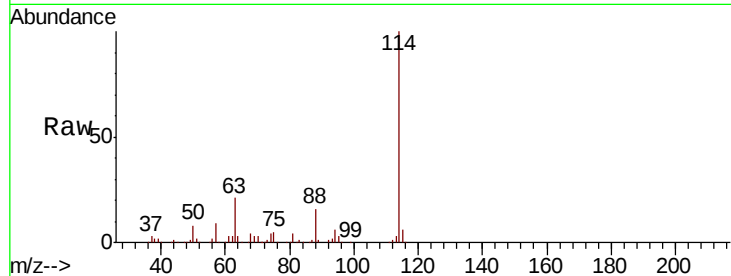




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001628.D
 Acq: 13 Feb 2020 16:07

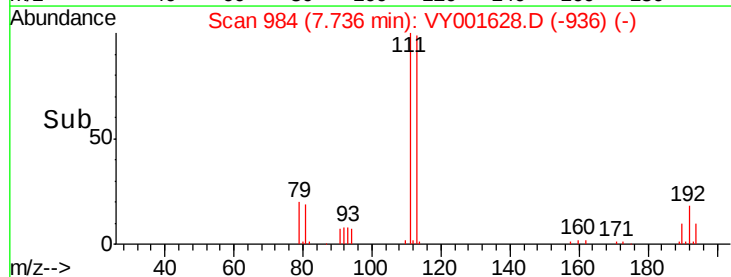
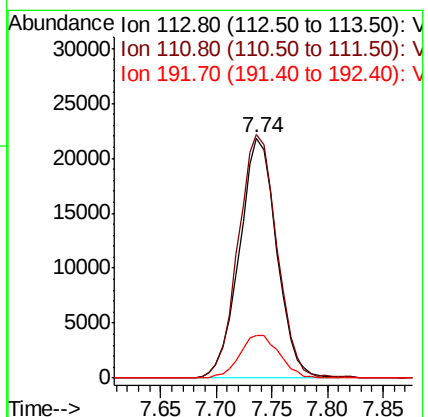
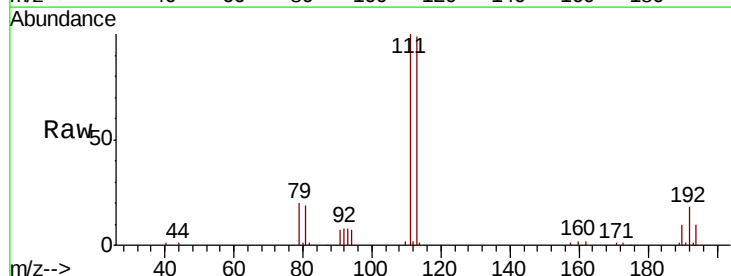
Instrument :
 MSVOA_Y
 ClientSampleId :

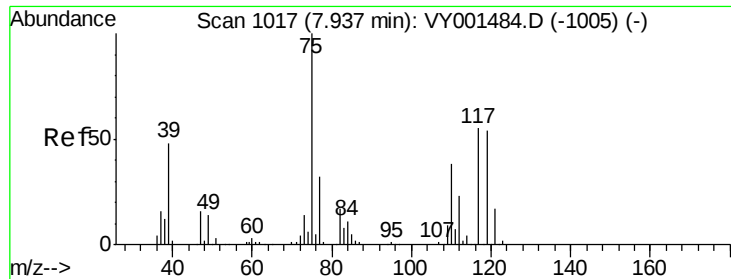
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.8
88	15.9	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 48.754 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001628.D
 Acq: 13 Feb 2020 16:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.9	124.3
192	19.0	14.6	22.0

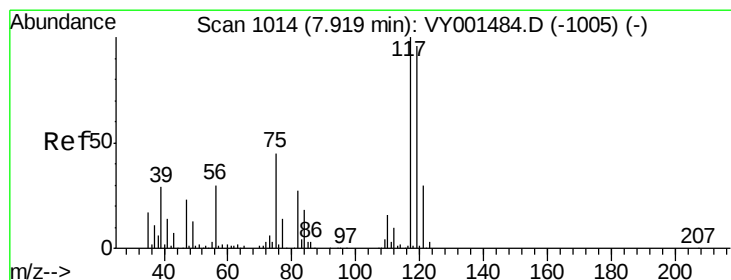
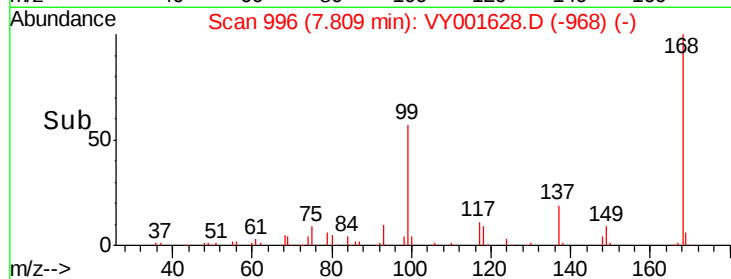
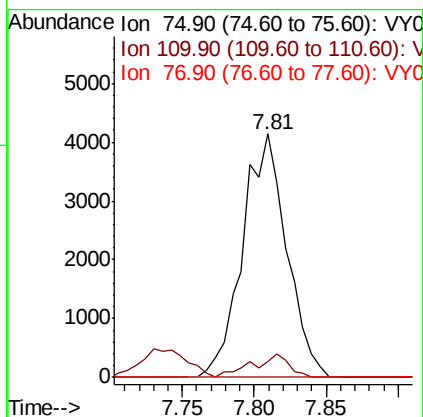
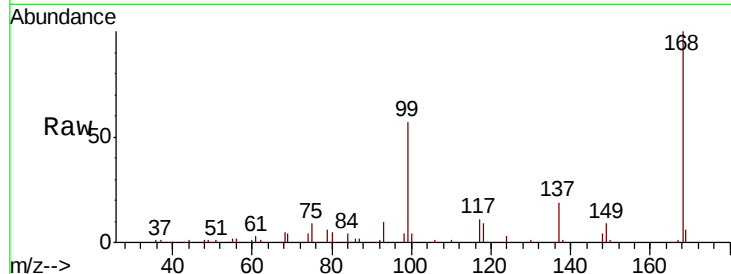




#36
 1,1-Dichloropropene
 Concen: 5.305 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001628.D
 Acq: 13 Feb 2020 16:07

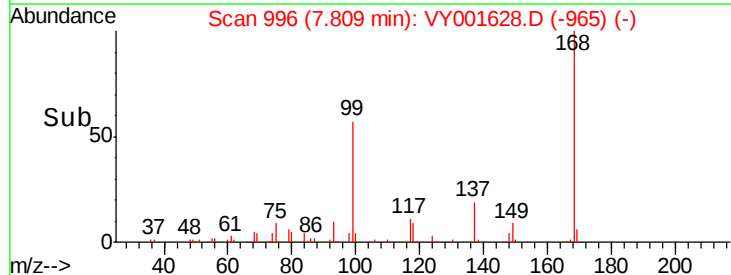
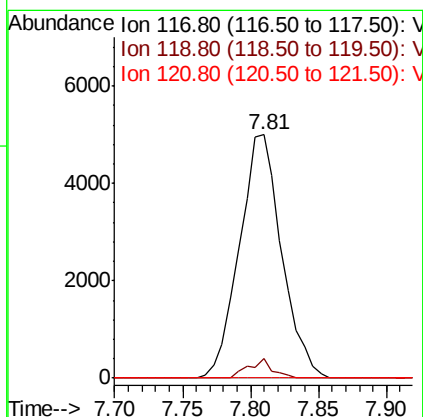
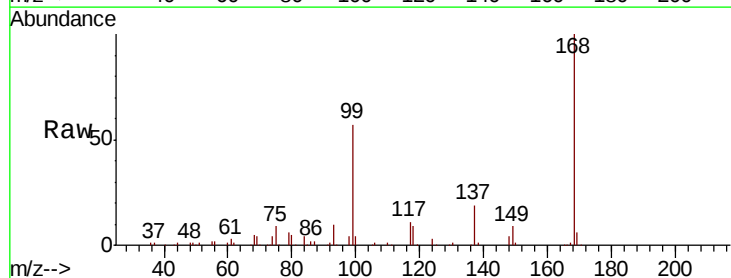
Instrument :
 MSVOA_Y
 ClientSampled :

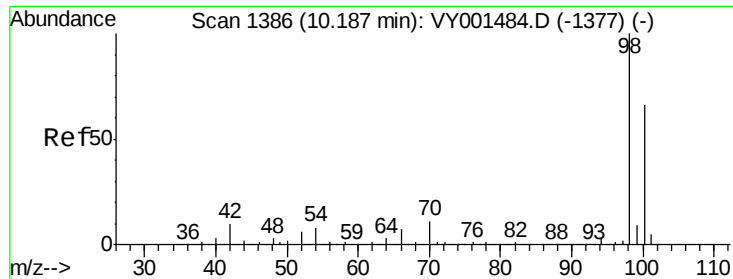
Tot Ion	75	Resp	8790
Ion Ratio	Lower	Upper	
75	100		
110	7.9	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.772 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY001628.D
 Acq: 13 Feb 2020 16:07

Tgt Ion	117	Resp	10857
Ion Ratio	Lower	Upper	
117	100		
119	7.8	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 54.200 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001628.D

Acq: 13 Feb 2020 16:07

Instrument :

MSVOA_Y

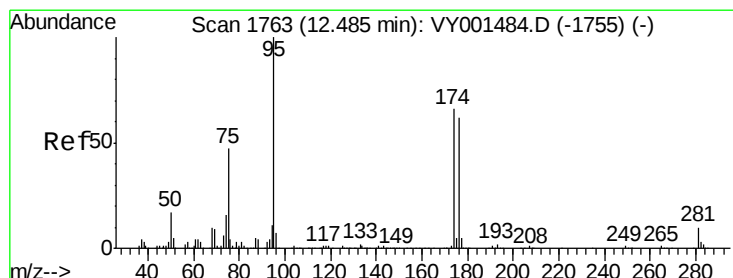
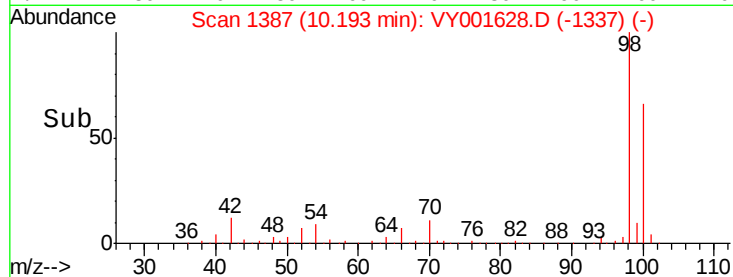
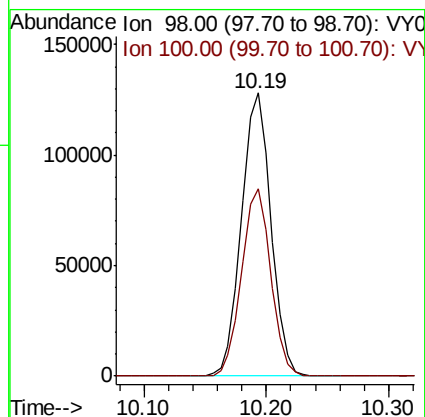
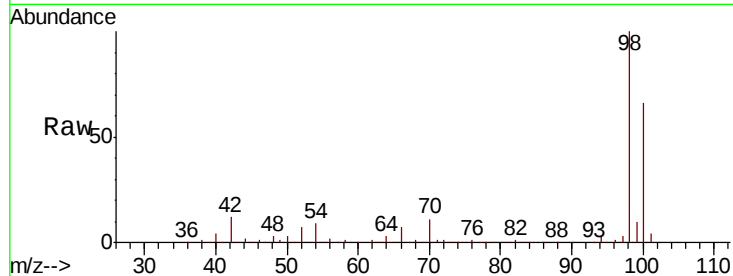
ClientSampleId :

Tot Ion: 98 Resp: 214182

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 42.441 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001628.D

Acq: 13 Feb 2020 16:07

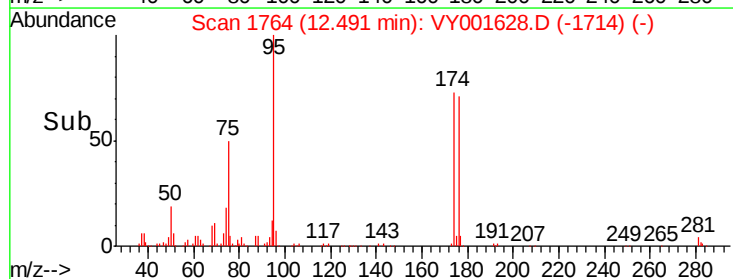
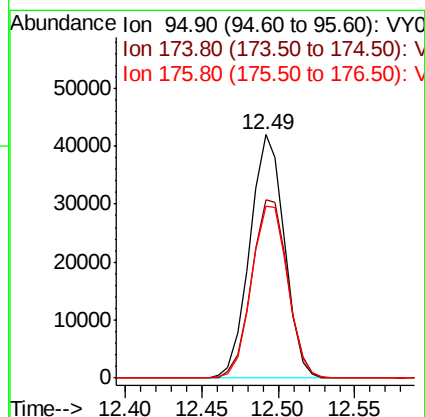
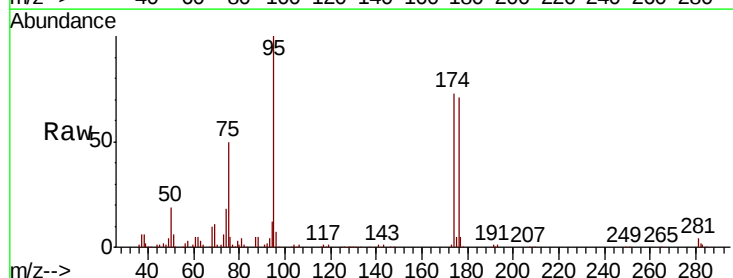
Tgt Ion: 95 Resp: 66071

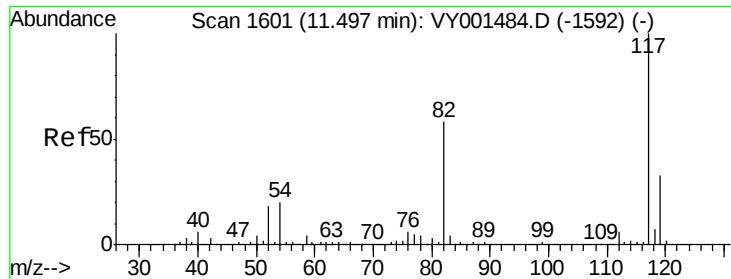
Ion Ratio Lower Upper

95 100

174 76.3 0.0 141.4

176 74.3 0.0 135.4

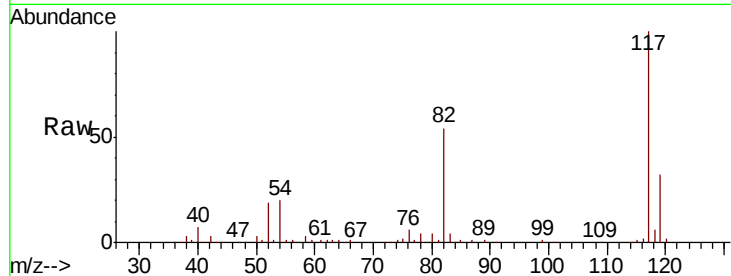




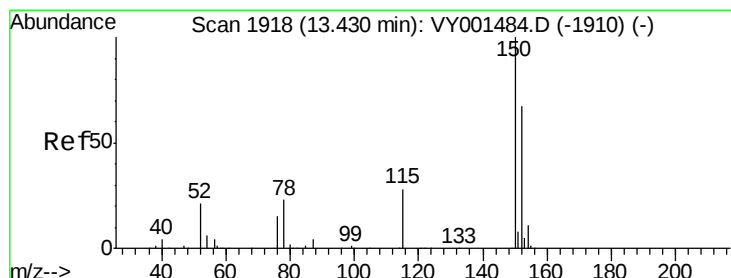
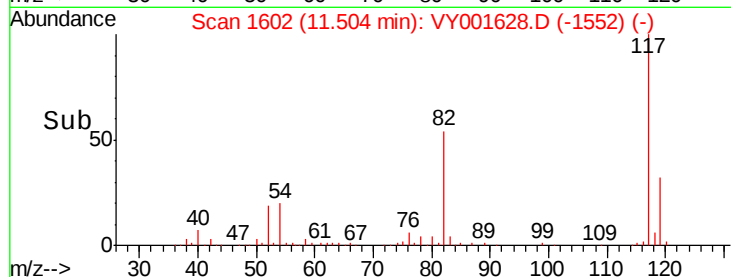
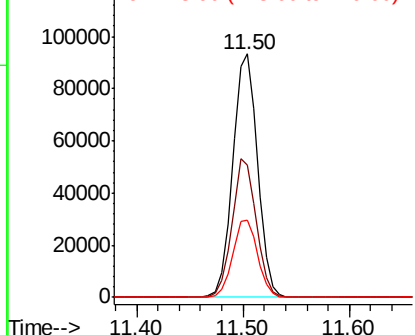
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001628.D
Acq: 13 Feb 2020 16:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 152111
Ion Ratio Lower Upper
117 100
82 54.2 46.1 69.1
119 31.7 26.1 39.1

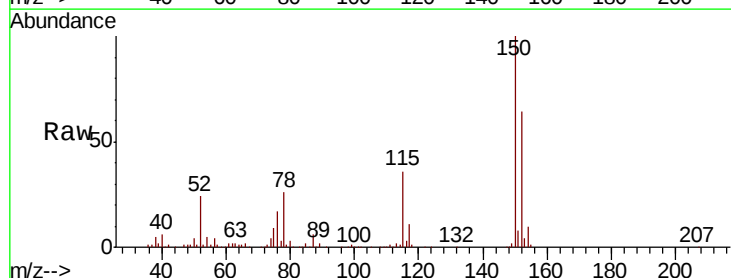


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

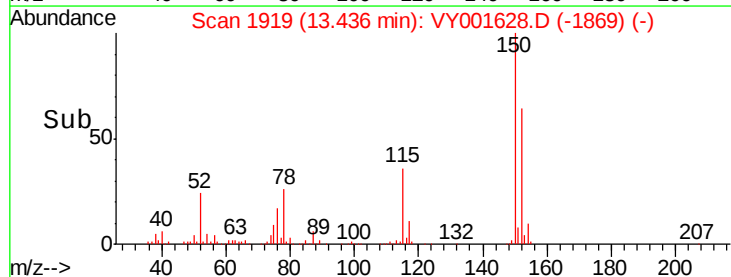
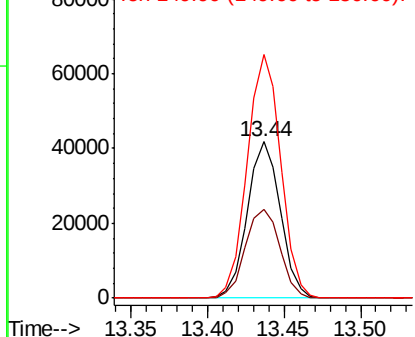


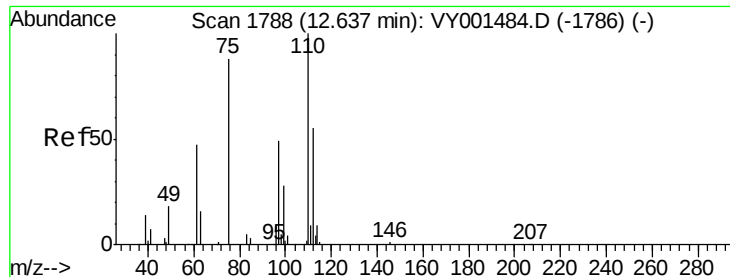
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001628.D
Acq: 13 Feb 2020 16:07

Tgt Ion:152 Resp: 62854
Ion Ratio Lower Upper
152 100
115 59.6 31.4 94.3
150 158.3 0.0 346.8



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: 50.987 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001628.D

Acq: 13 Feb 2020 16:07

Instrument :

MSVOA_Y

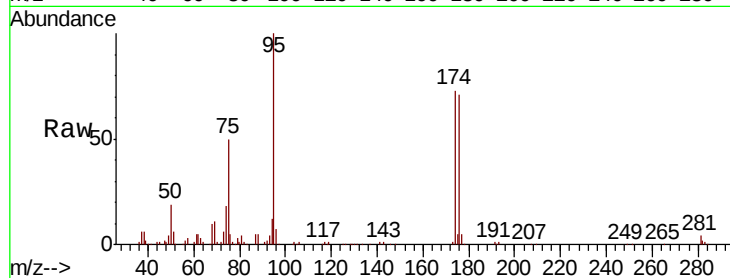
ClientSampleId :

Tot Ion: 75 Resp: 34464

Ion Ratio Lower Upper

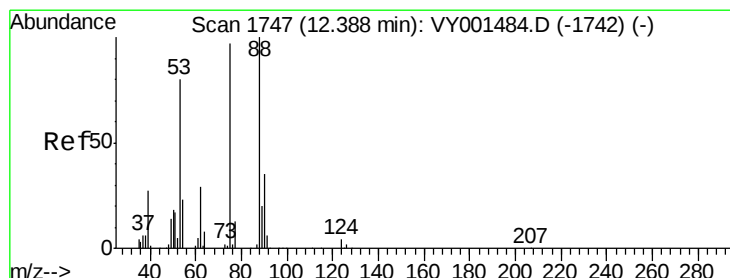
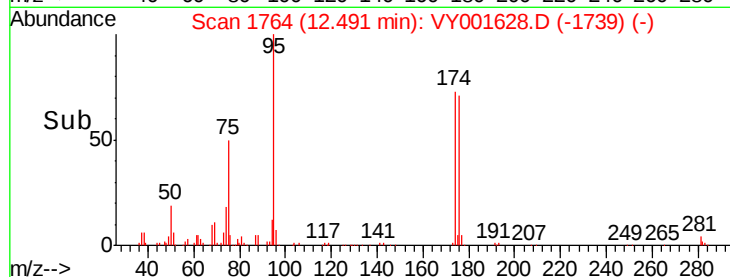
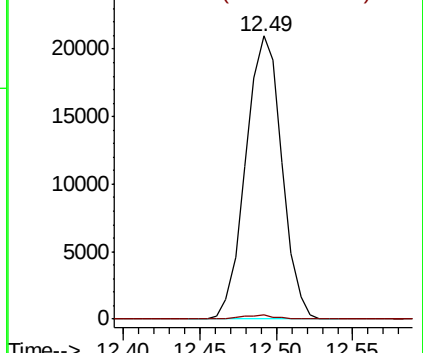
75 100

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: 98.658 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001628.D

Acq: 13 Feb 2020 16:07

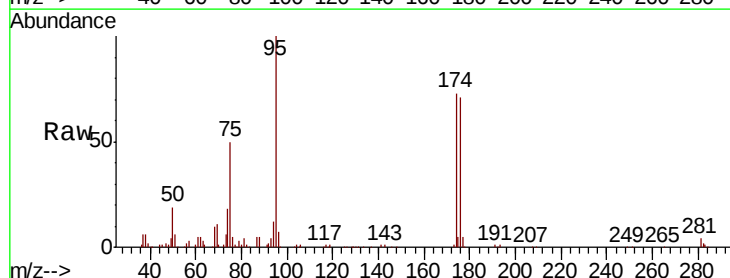
Tgt Ion: 75 Resp: 34464

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



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

