

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003084.D
 Acq On : 02 Jul 2020 14:47
 Operator : SY/MD
 Sample : L3176-03
 Misc : 2.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STONE-2

Quant Time: Jul 03 02:37:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

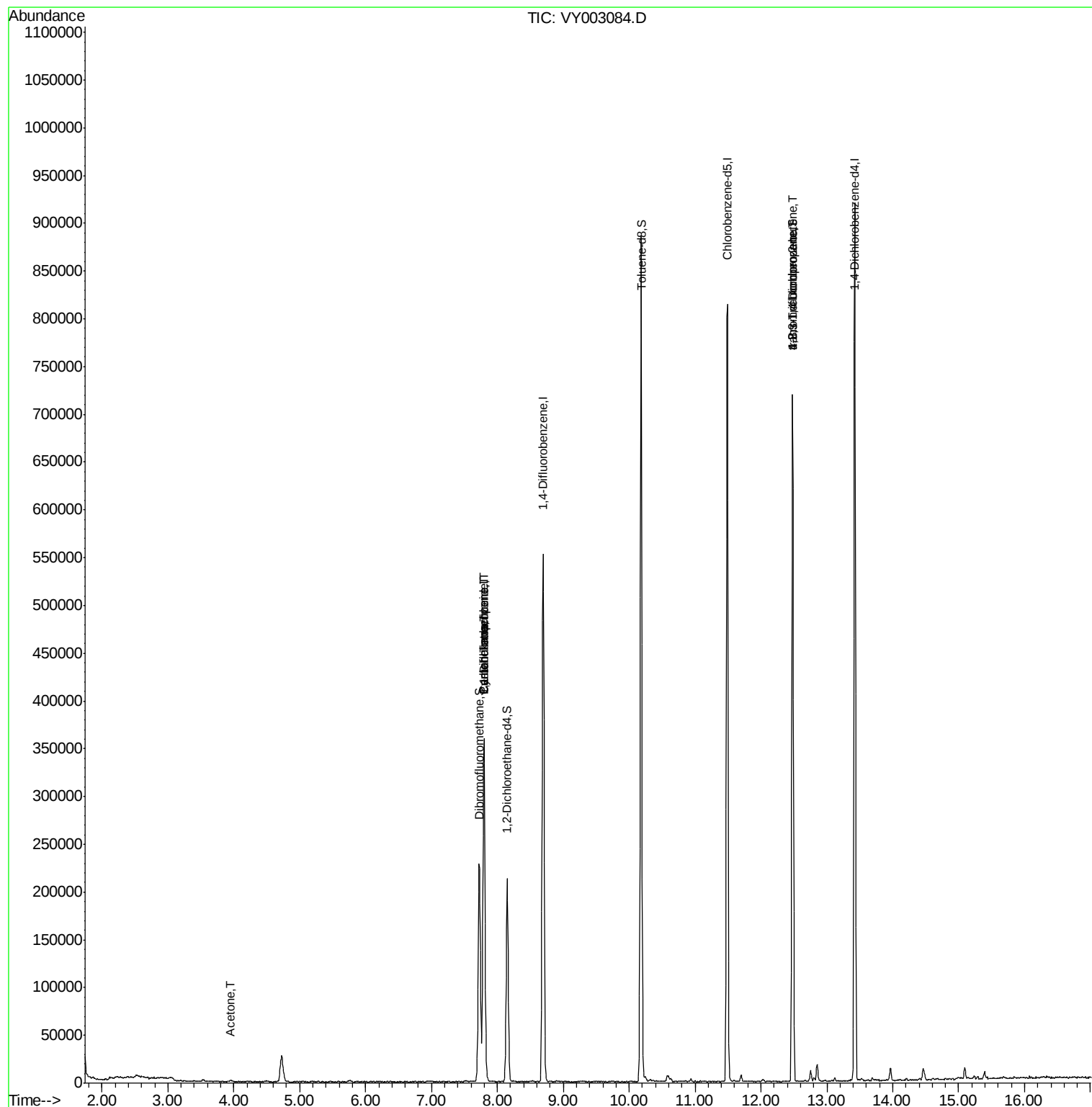
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	290644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	474275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	457104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232035	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	164997	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
35) Dibromofluoromethane	7.73	113	159286	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.18	98	572074	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.48	95	201456	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
Target Compounds						
16) Acetone	3.96	43	1599	2.349	ug/l #	58
20) Methylene Chloride	4.72	84	20813	Below Cal	#	78
31) Cyclohexane	7.80	56	5947	1.171	ug/l #	5
36) 1,1-Dichloropropene	7.80	75	21203	4.641	ug/l #	52
38) Carbon Tetrachloride	7.80	117	26179	5.508	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	104853	45.659	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	104853	88.833	ug/l #	12

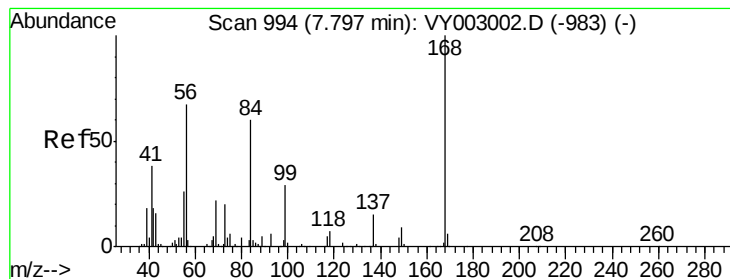
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

Instrument :

MSVOA_Y

ClientSampleId :

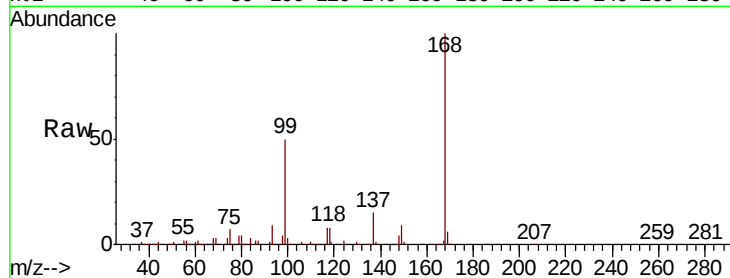
STONE-2

Tot Ion:168 Resp: 290644

Ion Ratio Lower Upper

168 100

99 50.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

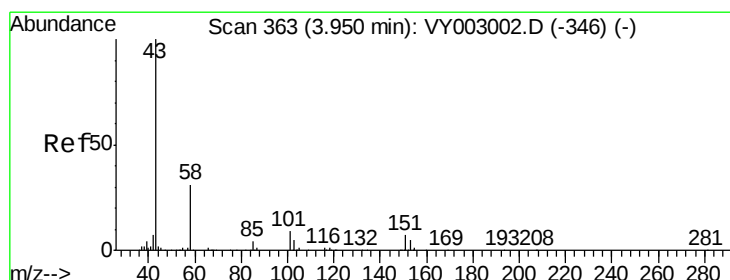
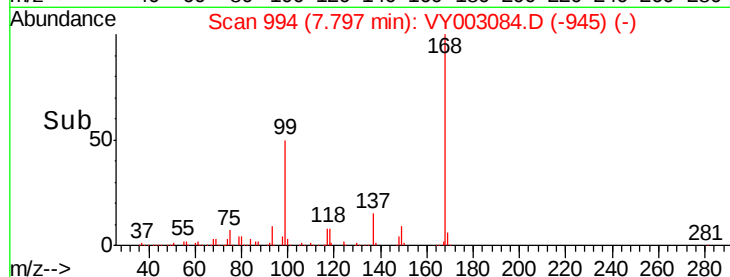
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.349 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003084.D

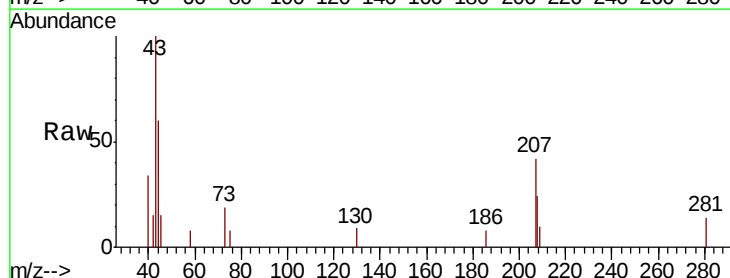
Acq: 02 Jul 2020 14:47

Tgt Ion: 43 Resp: 1599

Ion Ratio Lower Upper

43 100

58 8.1 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

3.96

800

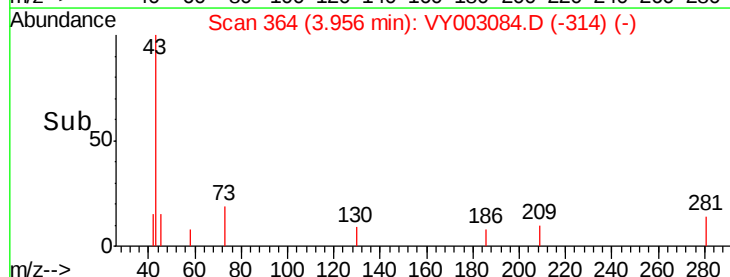
600

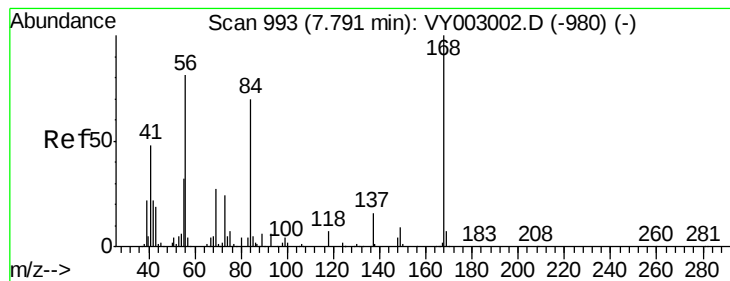
400

200

0

Time-->





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

Instrument :

MSVOA_Y

ClientSampleId :

STONE-2

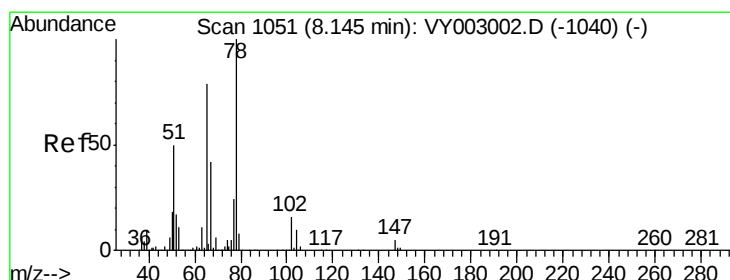
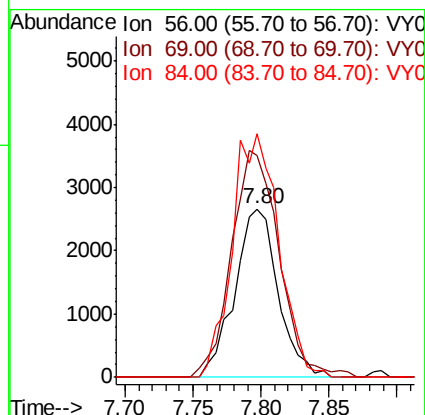
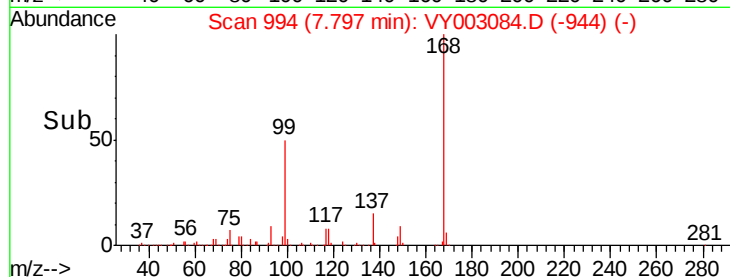
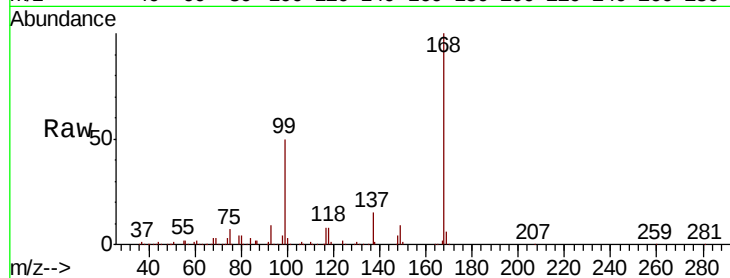
Tot Ion: 56 Resp: 5947

Ion Ratio Lower Upper

56 100

69 131.7 27.0 40.4#

84 144.5 68.1 102.1#



#33

1,2-Dichloroethane-d4

Concen: 57.158 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003084.D

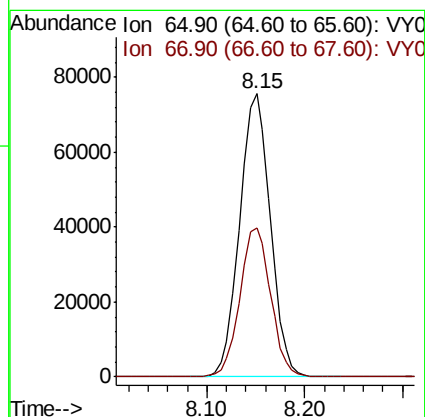
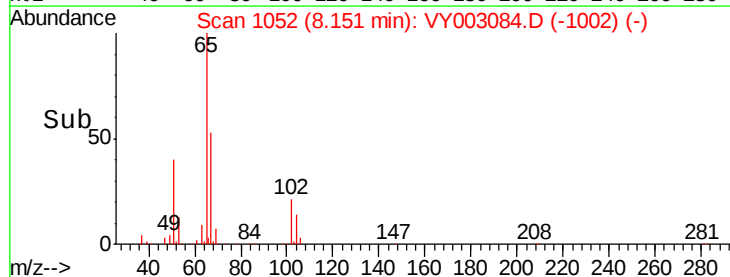
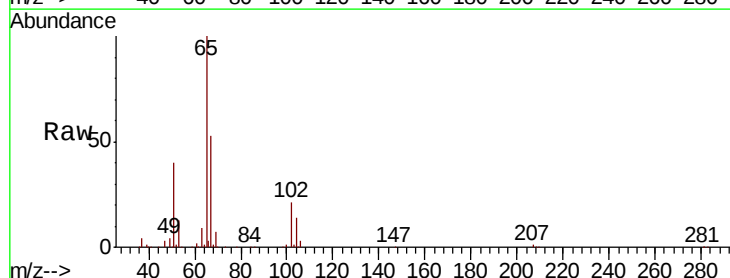
Acq: 02 Jul 2020 14:47

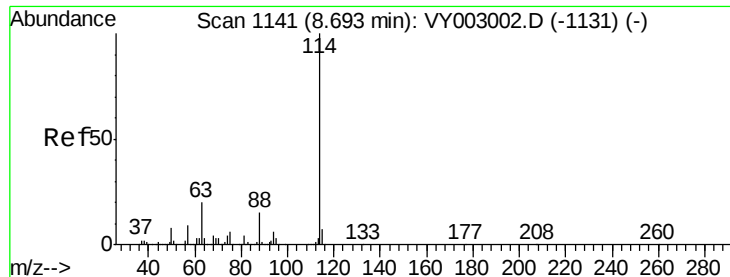
Tgt Ion: 65 Resp: 164997

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.6

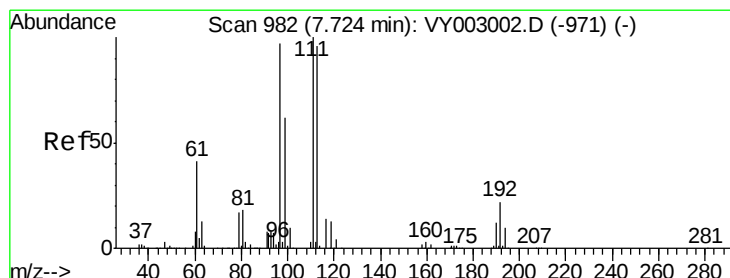
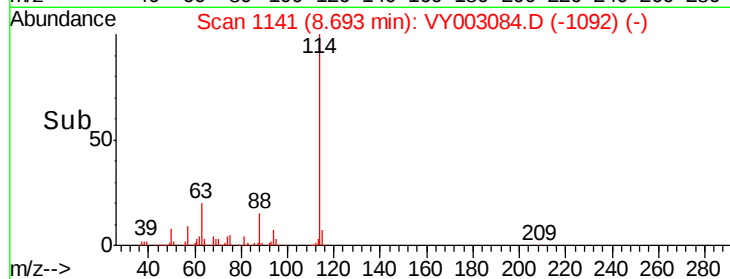
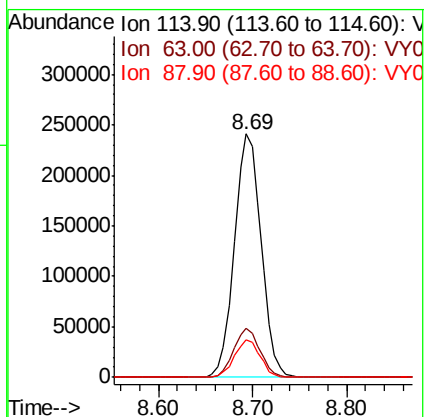
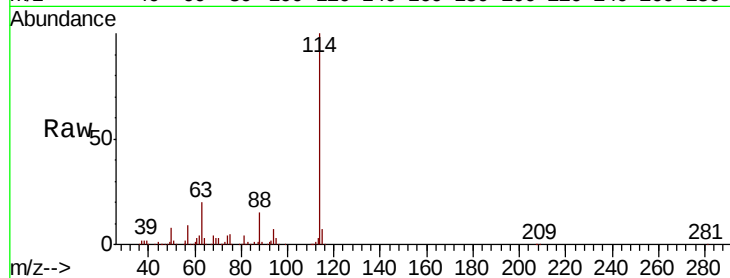




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003084.D
 Acq: 02 Jul 2020 14:47

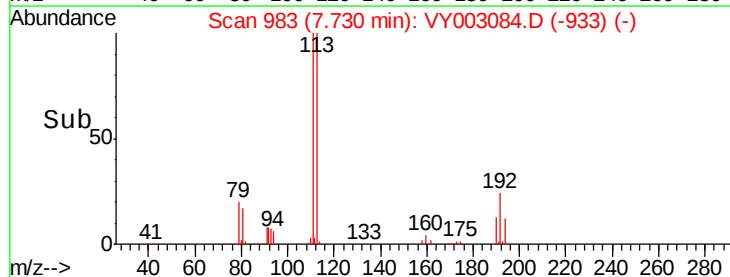
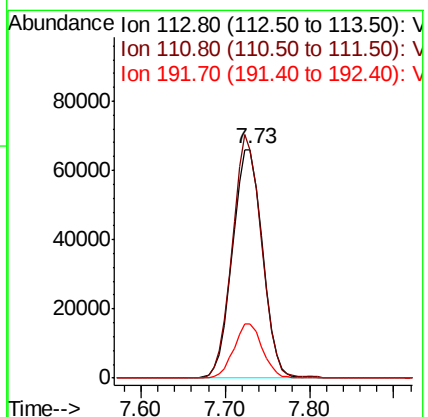
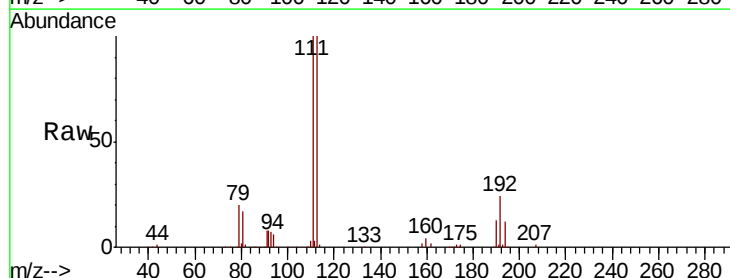
Instrument :
 MSVOA_Y
 ClientSampleId :
 STONE-2

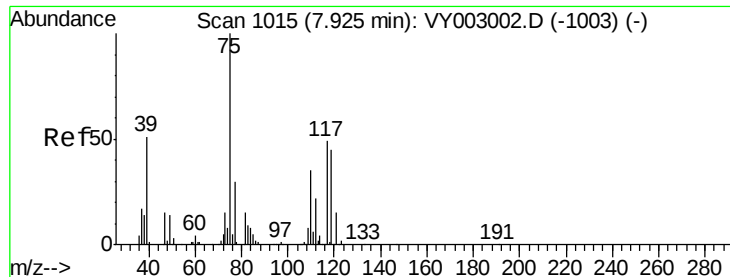
Tot Ion:114 Resp: 474275
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.6
 88 15.4 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 53.838 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003084.D
 Acq: 02 Jul 2020 14:47

Tgt Ion:113 Resp: 159286
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 123.8
 192 22.5 18.1 27.1





#36

1,1-Dichloropropene

Concen: 4.641 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

Instrument :

MSVOA_Y

ClientSampleId :

STONE-2

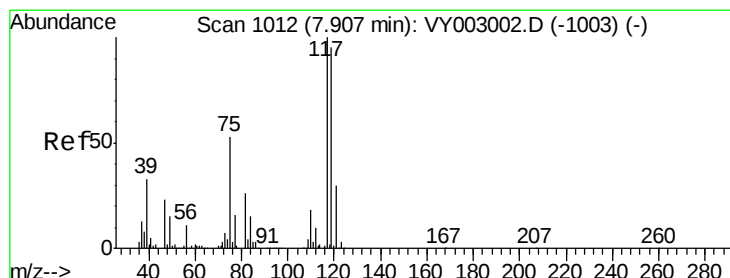
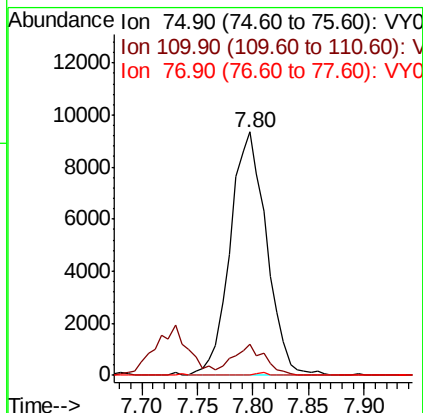
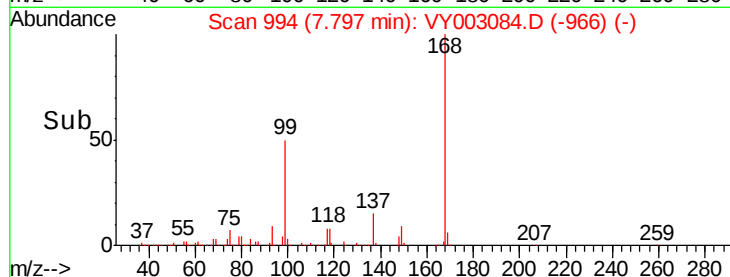
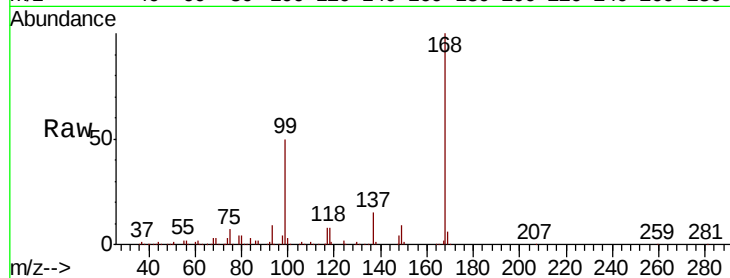
Tot Ion: 75 Resp: 21203

Ion Ratio Lower Upper

75 100

110 11.0 17.1 51.2#

77 0.3 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.508 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

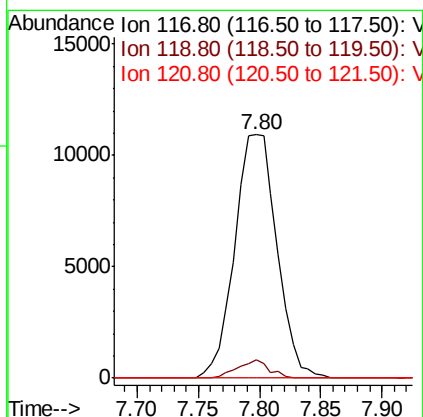
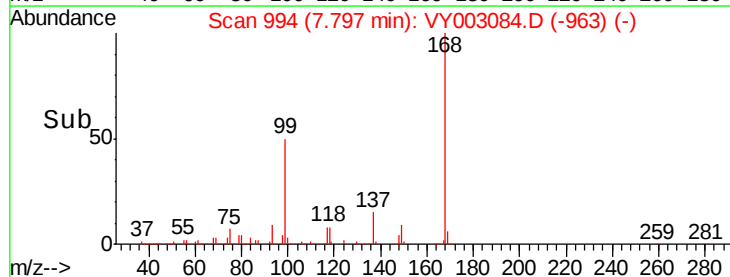
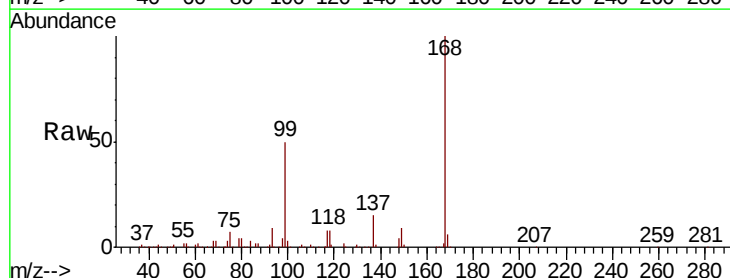
Tgt Ion: 117 Resp: 26179

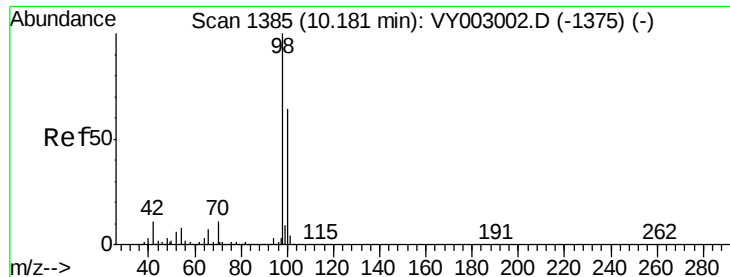
Ion Ratio Lower Upper

117 100

119 7.3 75.7 113.5#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 51.902 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

Instrument :

MSVOA_Y

ClientSampleId :

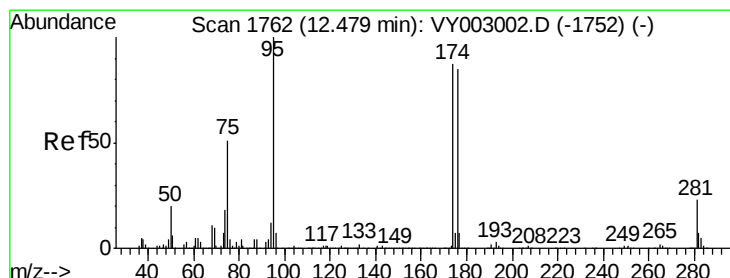
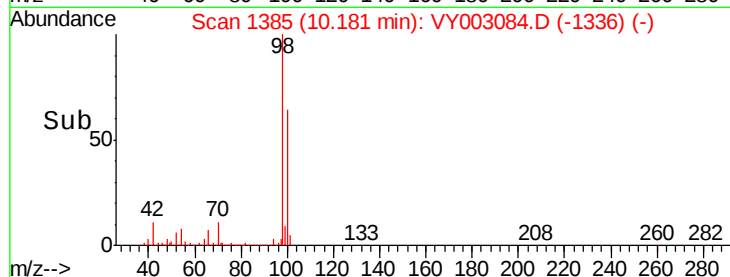
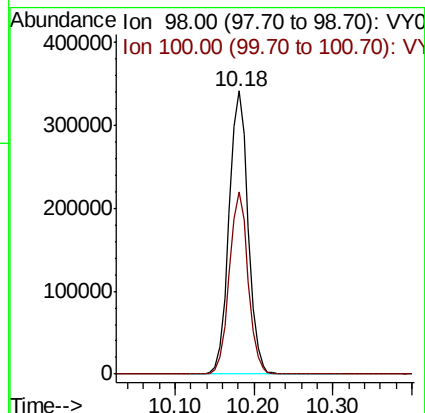
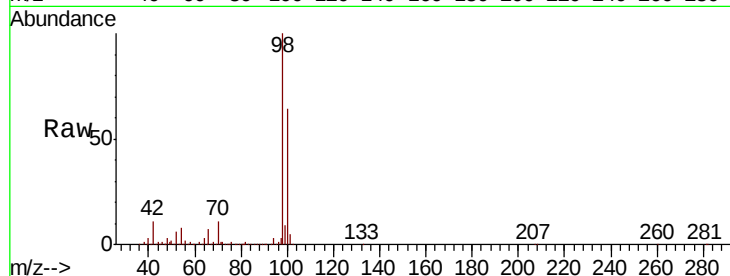
STONE-2

Tot Ion: 98 Resp: 572074

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 51.924 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

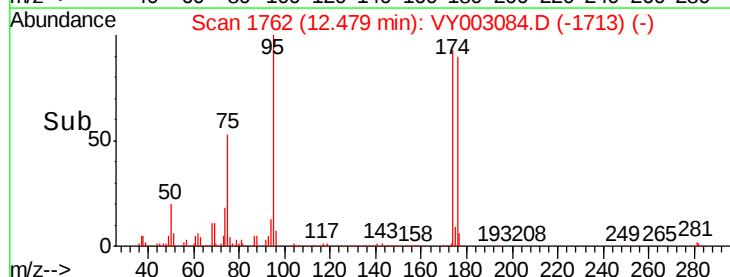
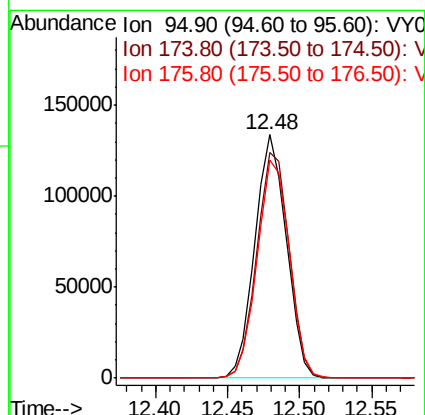
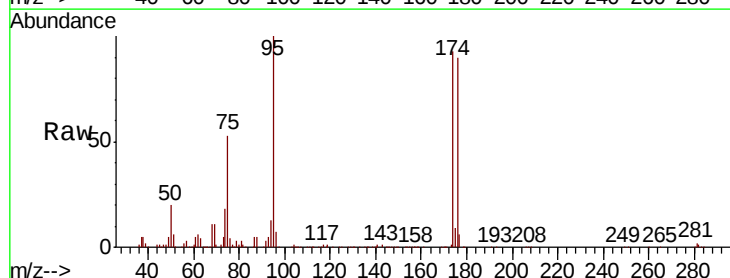
Tgt Ion: 95 Resp: 201456

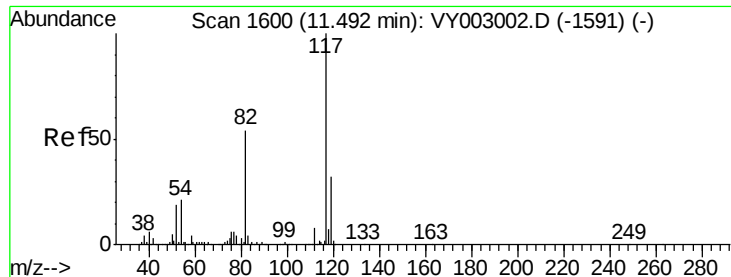
Ion Ratio Lower Upper

95 100

174 95.5 0.0 184.8

176 91.8 0.0 183.0

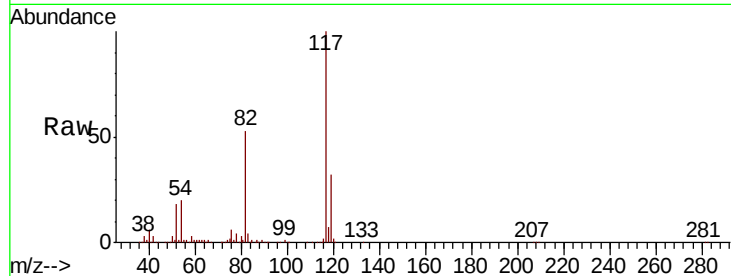




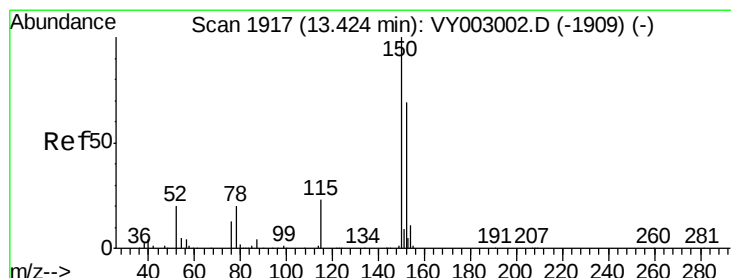
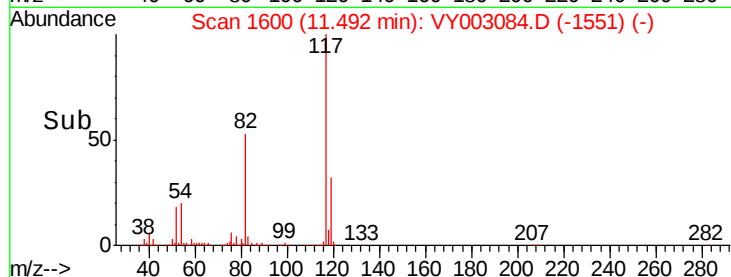
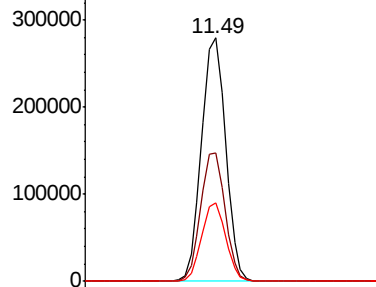
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003084.D
Acq: 02 Jul 2020 14:47

Instrument :
MSVOA_Y
ClientSampleId :
STONE-2

Tot Ion:117 Resp: 457104
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.6
119 32.0 25.8 38.8

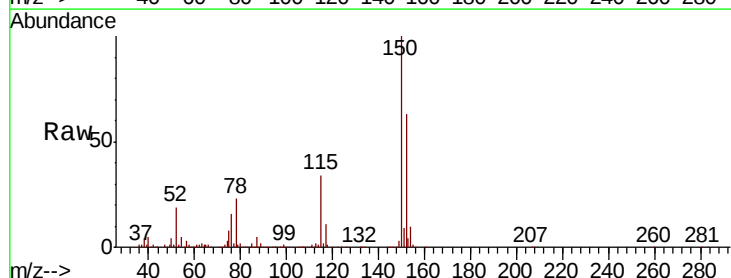


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

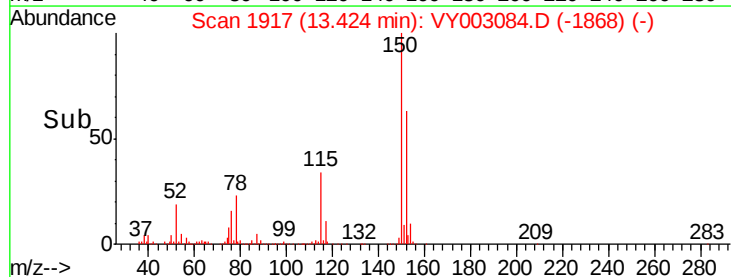
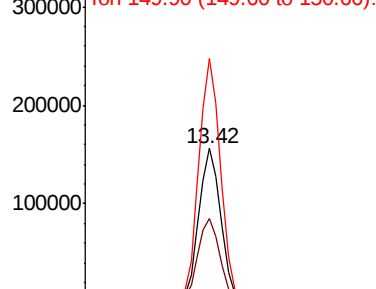


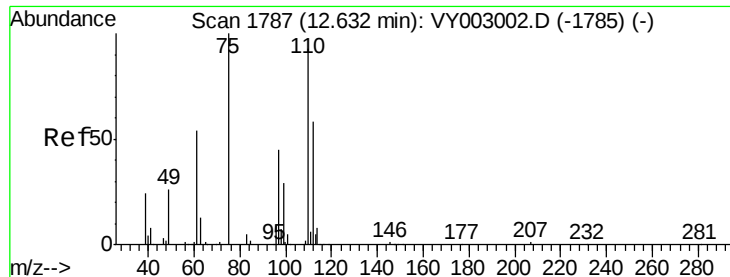
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003084.D
Acq: 02 Jul 2020 14:47

Tgt Ion:152 Resp: 232035
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 156.4 0.0 343.4



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: 45.659 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

Instrument :

MSVOA_Y

ClientSampleId :

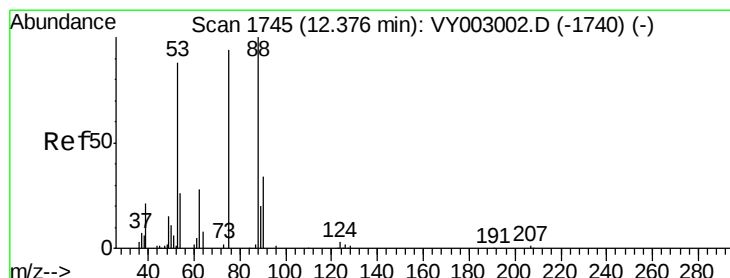
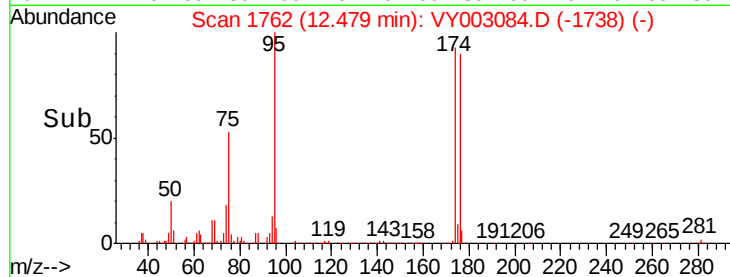
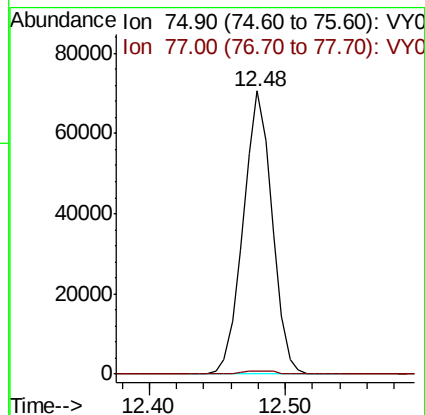
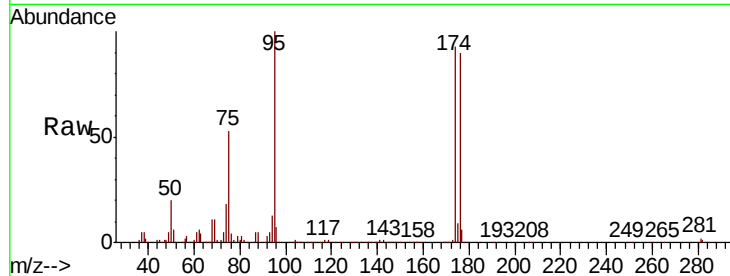
STONE-2

Tot Ion: 75 Resp: 104853

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.833 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003084.D

Acq: 02 Jul 2020 14:47

Tgt Ion: 75 Resp: 104853

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.5 56.3#

