

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022620\
 Data File : VY001782.D
 Acq On : 26 Feb 2020 14:25
 Operator : SY/MD
 Sample : L1694-01
 Misc : 7.59G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B1-9-9.5-BGS

Quant Time: Feb 26 15:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	153423	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	288486	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	257319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	101929	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	91089	55.20	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.40%	
35) Dibromofluoromethane	7.74	113	85579	51.79	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.58%	
50) Toluene-d8	10.19	98	351450	54.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.49	95	112409	44.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.40%	

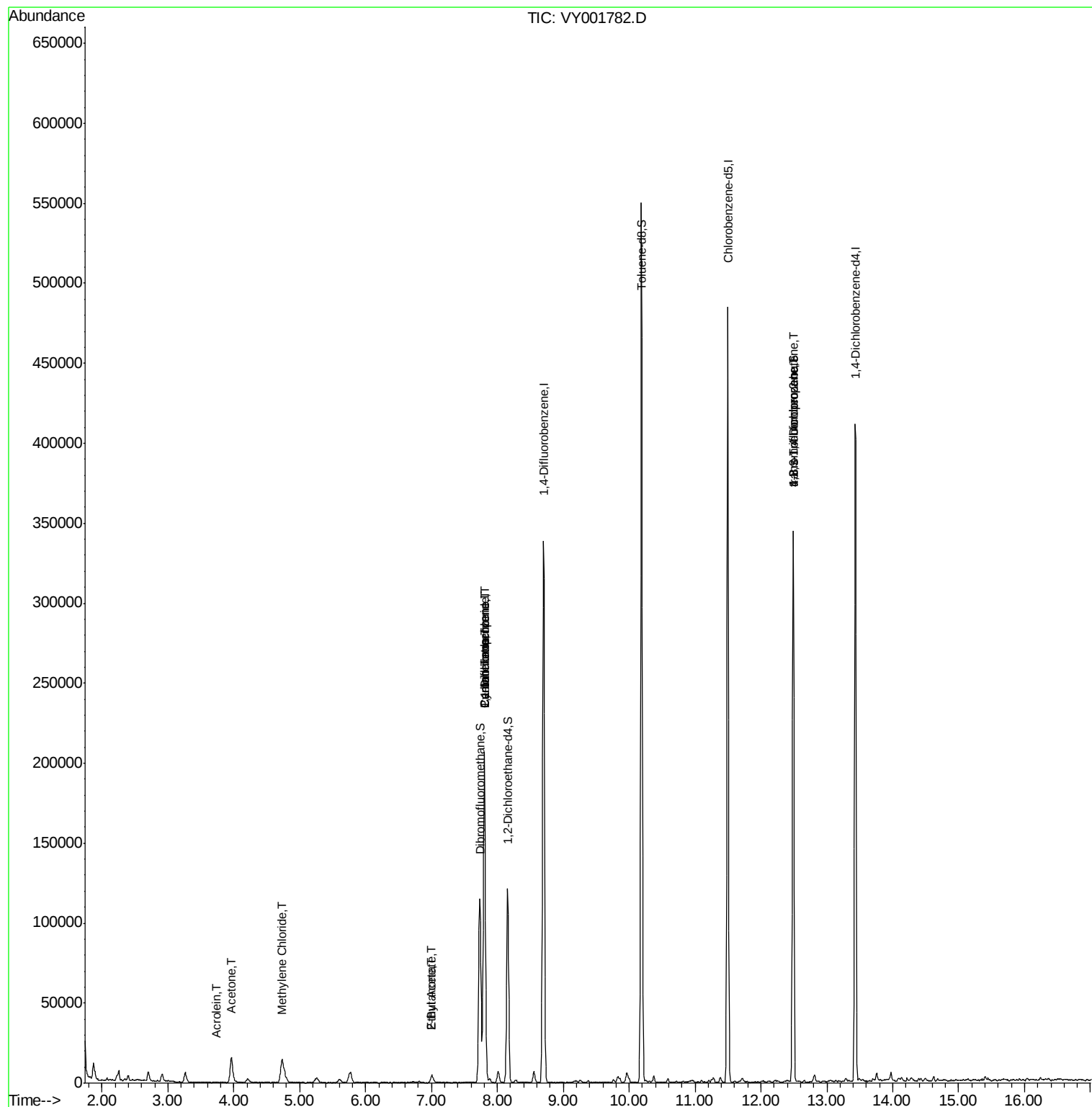
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	68	Below Cal	#	74
13) Acrolein	3.74	56	349	2.09	ug/l #	37
16) Acetone	3.96	43	27772	48.64	ug/l	100
20) Methylene Chloride	4.73	84	10570	5.21	ug/l	94
25) 2-Butanone	7.00	43	8488	10.94	ug/l	90
31) Cyclohexane	7.80	56	4651	1.34	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13136	4.77	ug/l #	49
37) Ethyl Acetate	7.00	43	8488	5.16	ug/l #	68
38) Carbon Tetrachloride	7.80	117	15223	6.29	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	57320	49.02	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	57320	93.00	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001782.D

Acq: 26 Feb 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

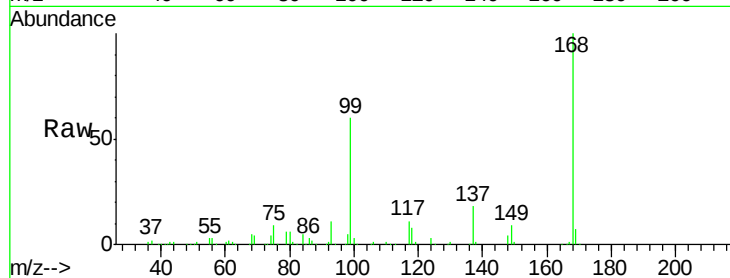
B1-9-9.5-BGS

Tgt Ion:168 Resp: 153423

Ion Ratio Lower Upper

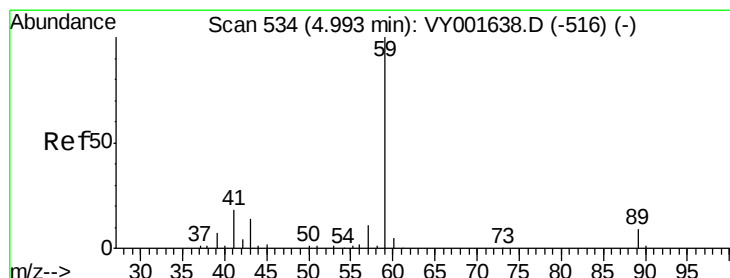
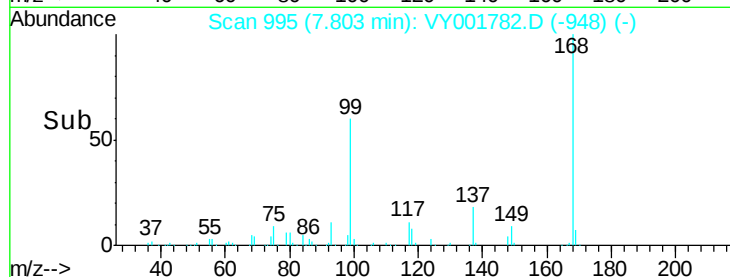
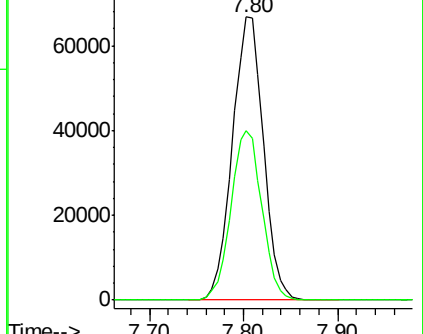
168 100

99 59.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001782.D

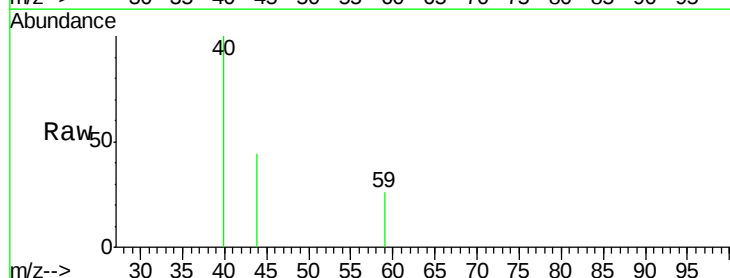
Acq: 26 Feb 2020 14:25

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

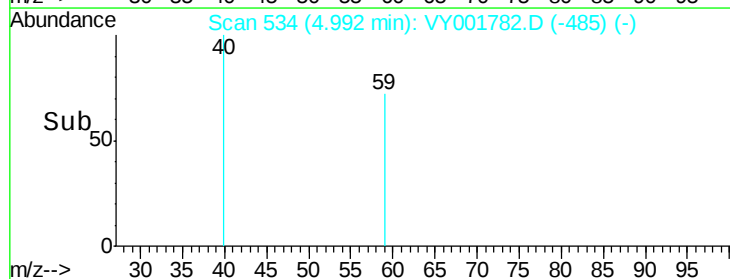
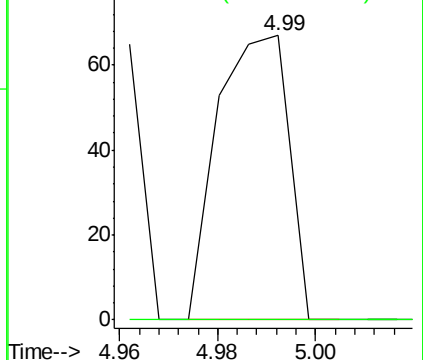
59 100

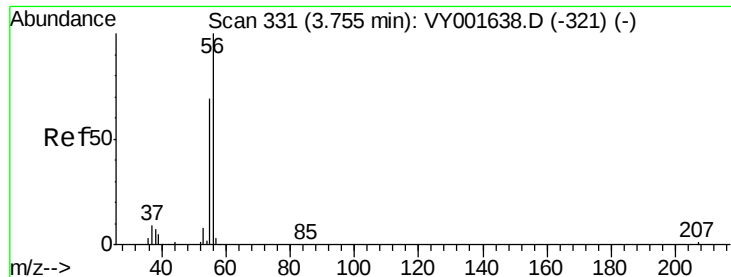
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)





#13

Acrolein

Concen: 2.09 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001782.D

Acq: 26 Feb 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

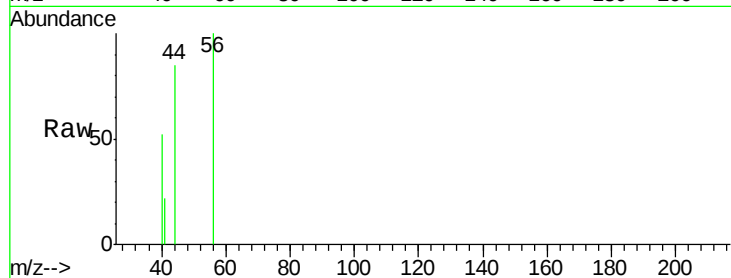
B1-9-9.5-BGS

Tgt Ion: 56 Resp: 349

Ion Ratio Lower Upper

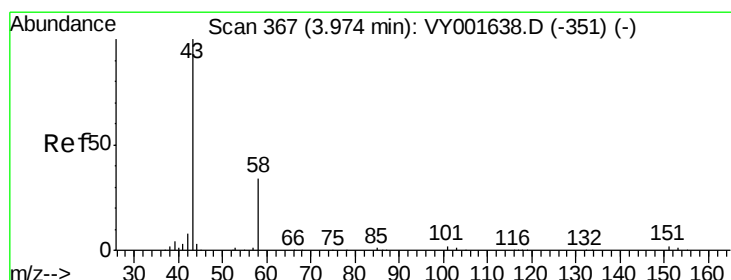
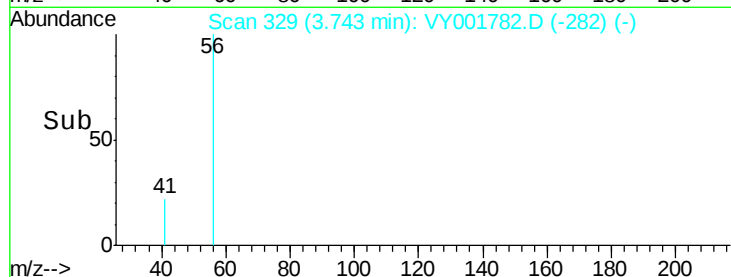
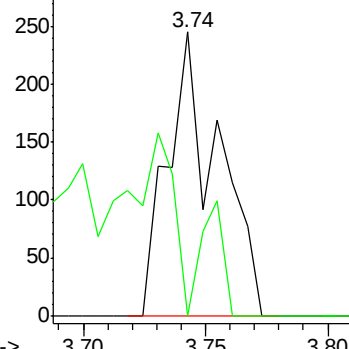
56 100

55 18.1 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 48.64 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001782.D

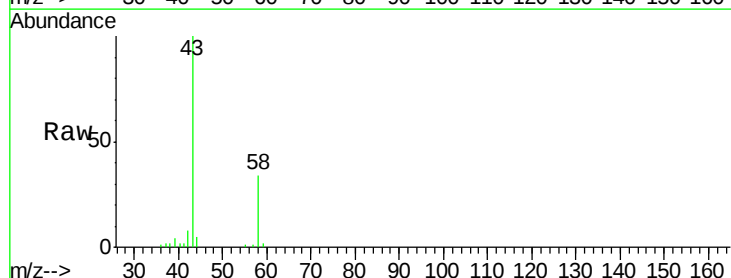
Acq: 26 Feb 2020 14:25

Tgt Ion: 43 Resp: 27772

Ion Ratio Lower Upper

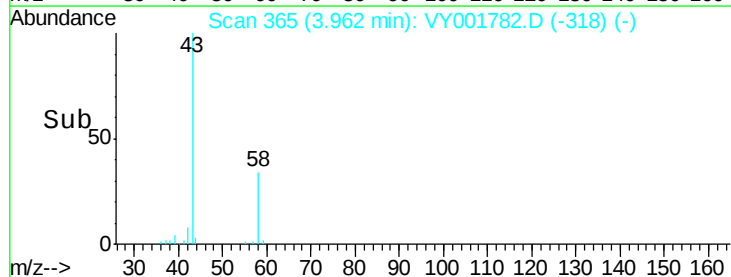
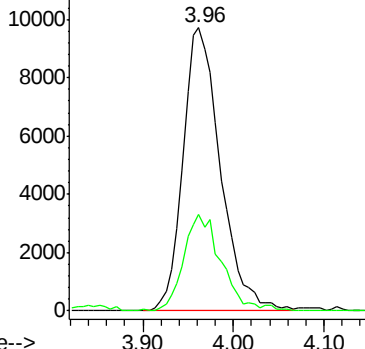
43 100

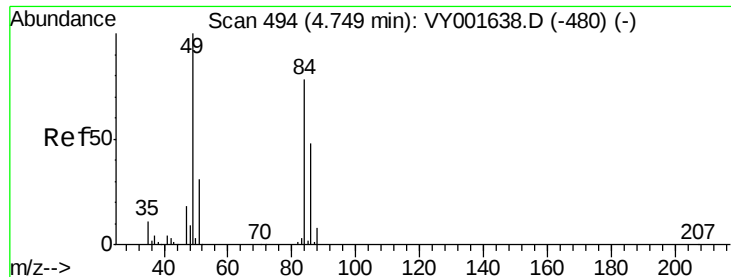
58 33.9 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

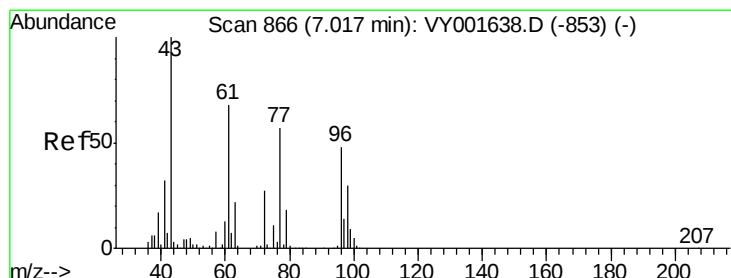
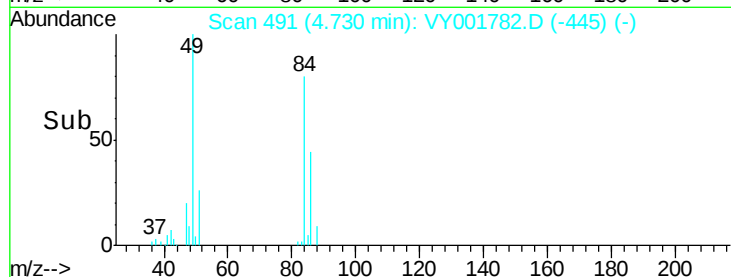
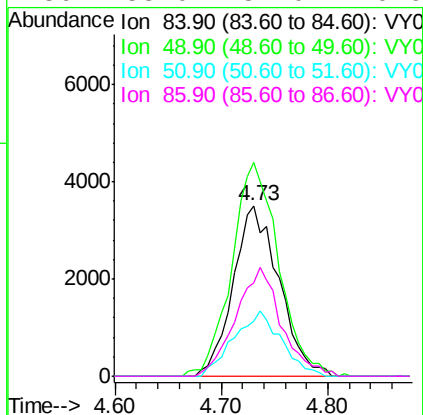
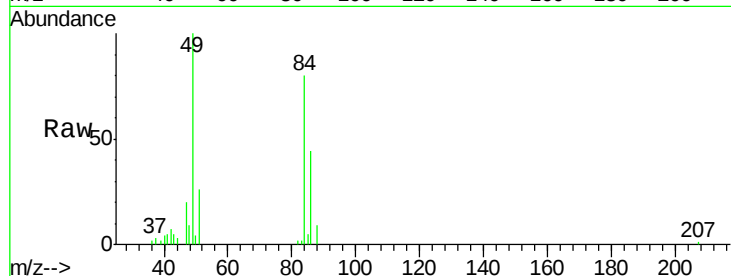




#20
Methylene Chloride
Concen: 5.21 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001782.D
Acq: 26 Feb 2020 14:25

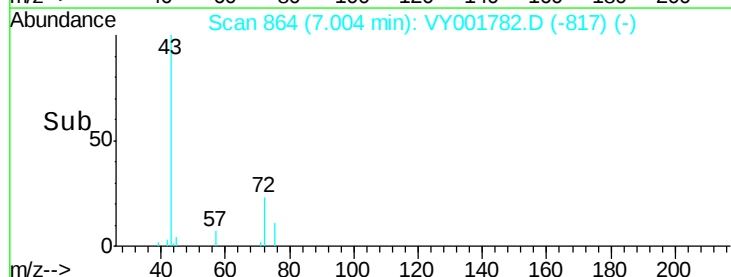
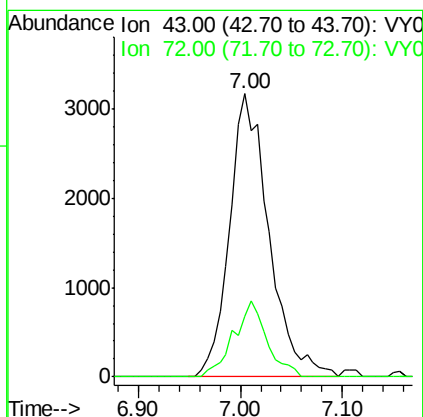
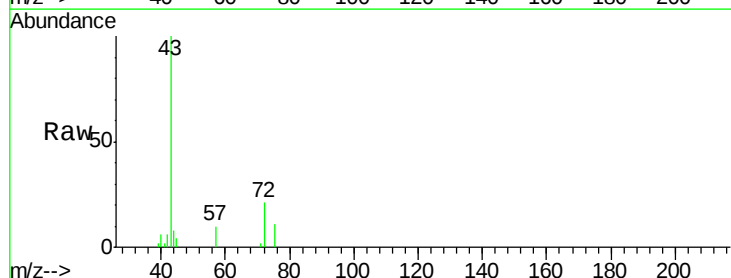
Instrument :
MSVOA_Y
ClientSampleId :
B1-9-9.5-BGS

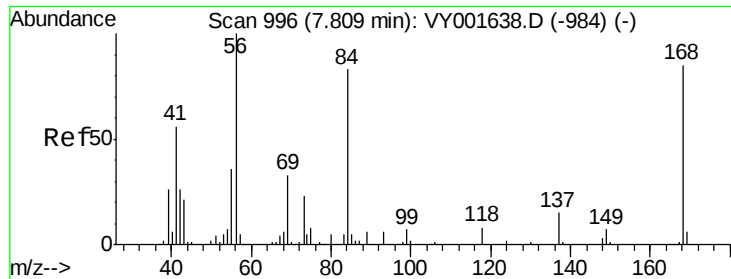
Tgt Ion: 84 Resp: 10570
Ion Ratio Lower Upper
84 100
49 125.4 99.2 148.8
51 32.2 31.5 47.3
86 55.0 51.0 76.6



#25
2-Butanone
Concen: 10.94 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001782.D
Acq: 26 Feb 2020 14:25

Tgt Ion: 43 Resp: 8488
Ion Ratio Lower Upper
43 100
72 21.4 21.2 31.8

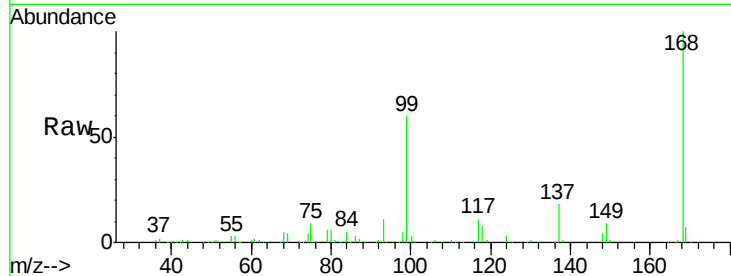




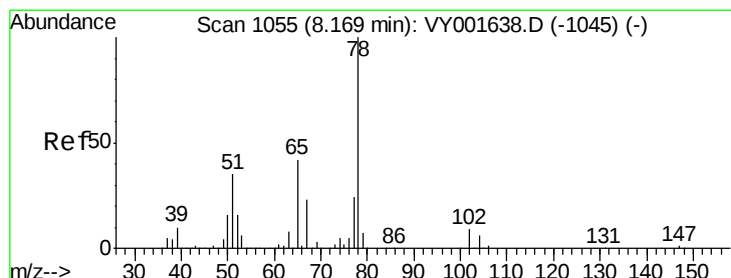
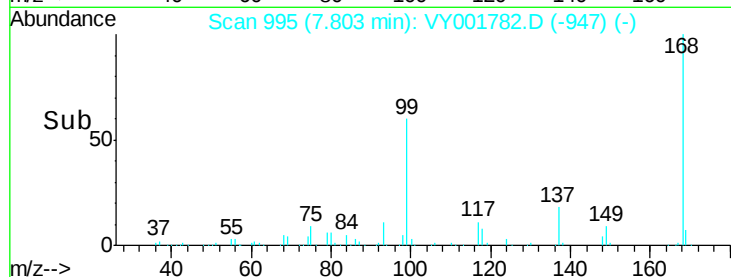
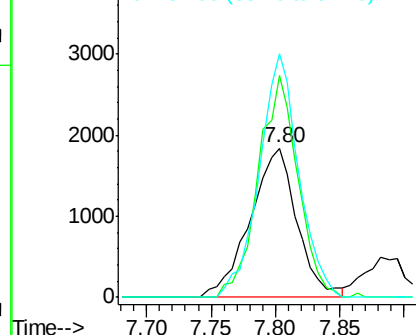
#31
Cyclohexane
Concen: 1.34 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001782.D
Acq: 26 Feb 2020 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B1-9-9.5-BGS

Tgt Ion: 56 Resp: 4651
Ion Ratio Lower Upper
56 100
69 148.7 25.1 37.7#
84 163.0 66.9 100.3#

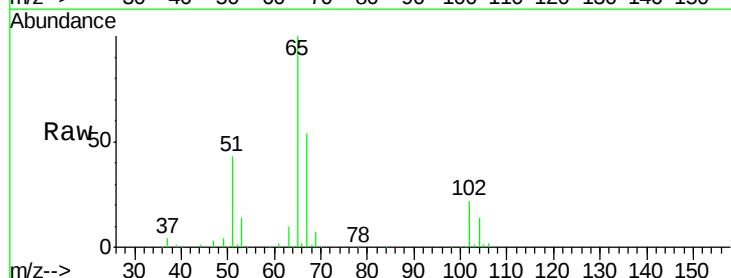


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

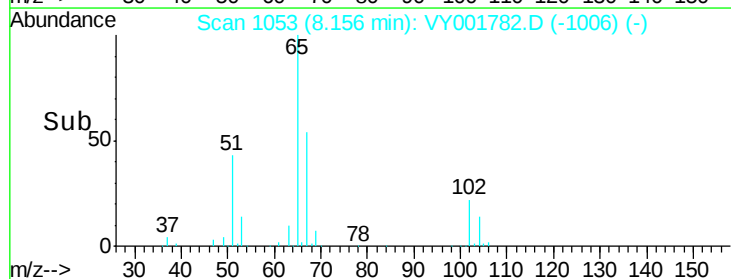
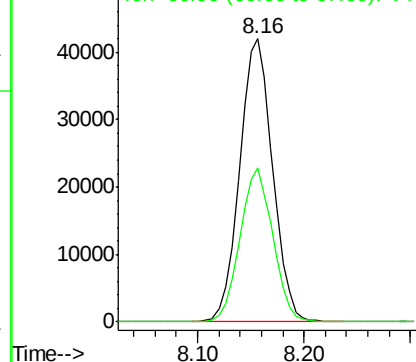


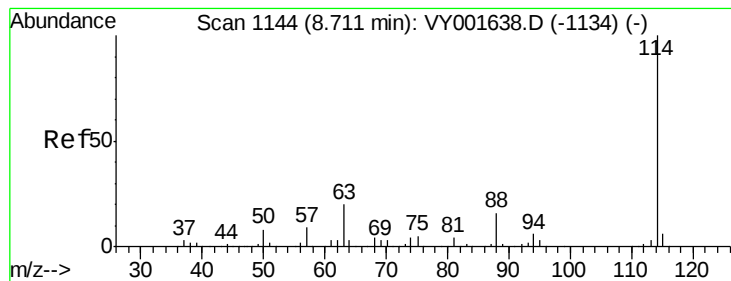
#33
1,2-Dichloroethane-d4
Concen: 55.20 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VY001782.D
Acq: 26 Feb 2020 14:25

Tgt Ion: 65 Resp: 91089
Ion Ratio Lower Upper
65 100
67 54.1 0.0 111.0



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001782.D

Acq: 26 Feb 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

B1-9-9.5-BGS

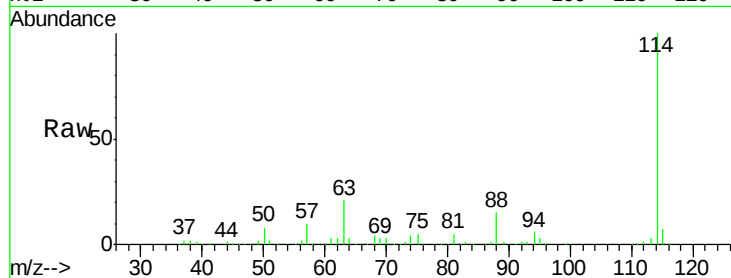
Tgt Ion:114 Resp: 288486

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

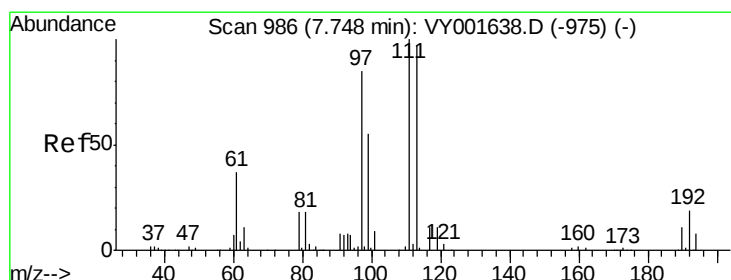
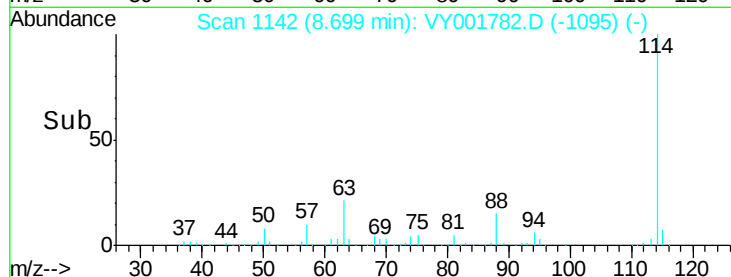
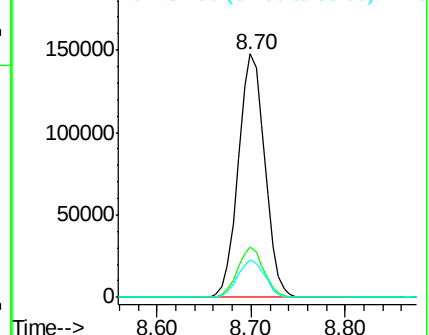
88 15.5 0.0 32.8



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: 51.79 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001782.D

Acq: 26 Feb 2020 14:25

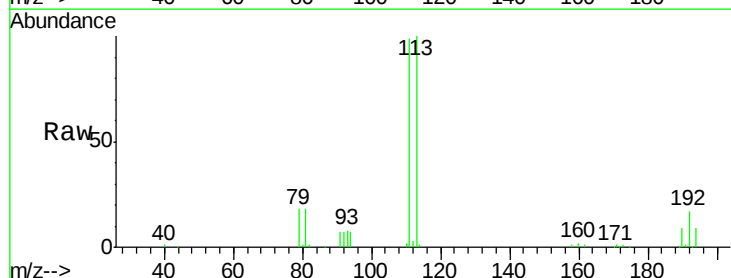
Tgt Ion:113 Resp: 85579

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

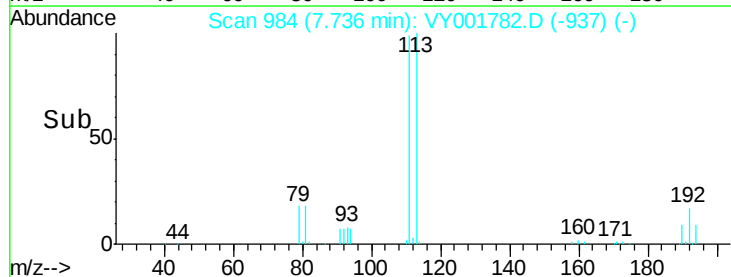
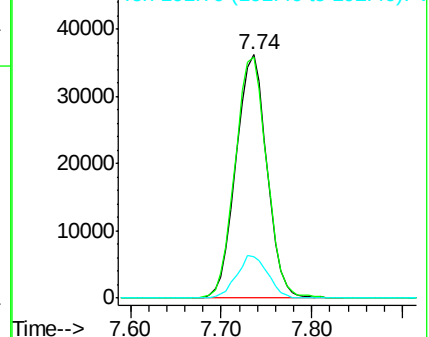
192 17.6 14.3 21.5

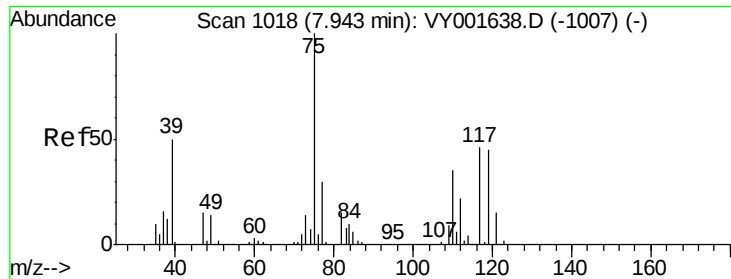


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

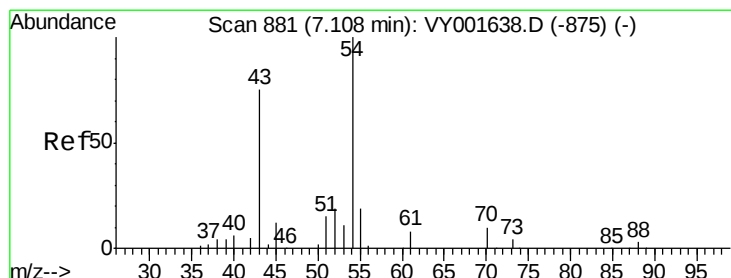
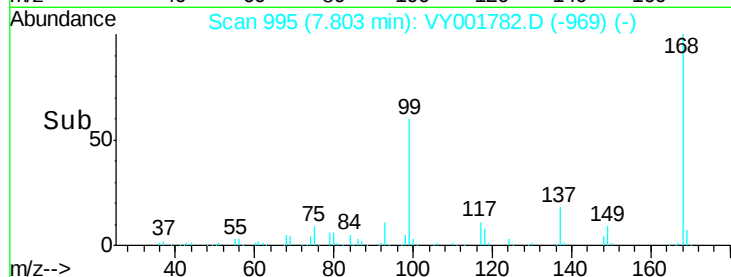
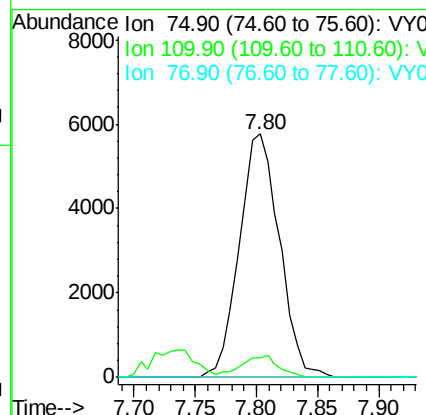
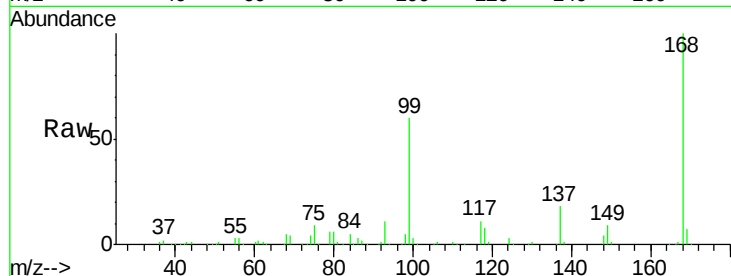




#36
 1,1-Dichloropropene
 Concen: 4.77 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001782.D
 Acq: 26 Feb 2020 14:25

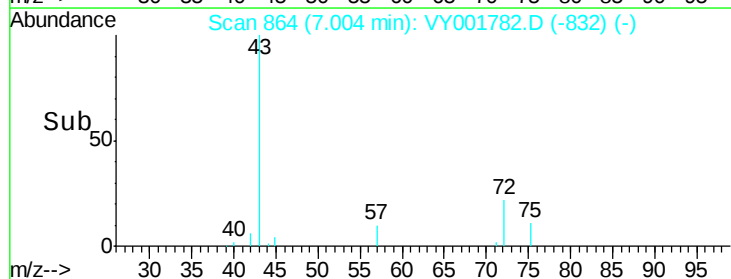
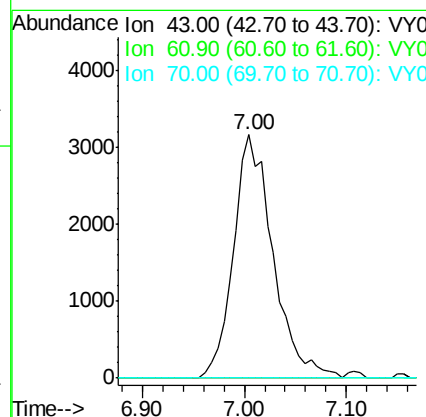
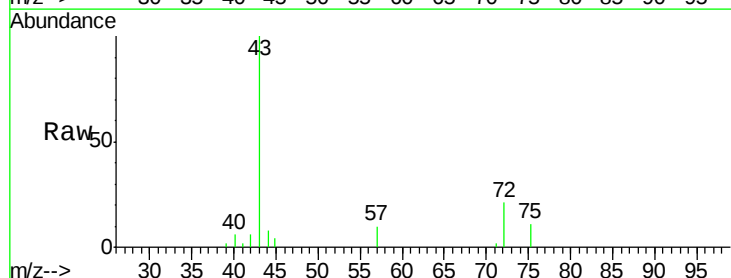
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 B1-9-9.5-BGS

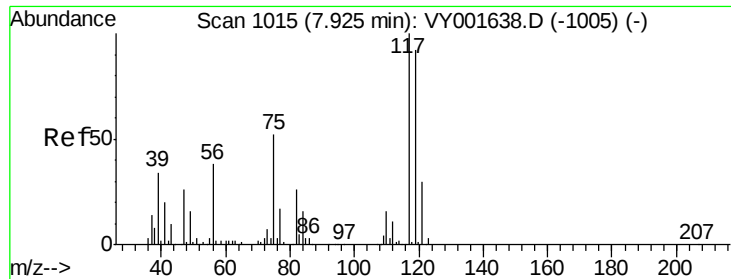
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.2	51.6#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 5.16 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.10 min
 Lab File: VY001782.D
 Acq: 26 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	0.0	8.8	13.2#





#38

Carbon Tetrachloride

Concen: 6.29 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001782.D

Acq: 26 Feb 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

B1-9-9.5-BGS

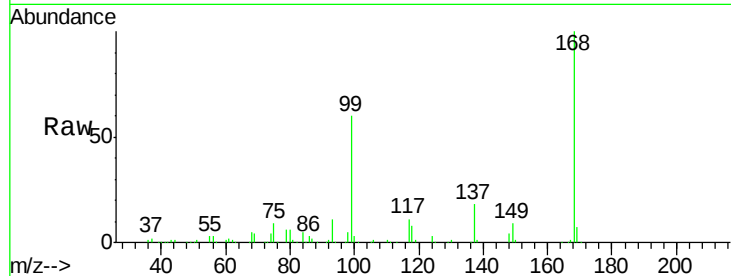
Tgt Ion:117 Resp: 15223

Ion Ratio Lower Upper

117 100

119 4.9 74.8 112.2#

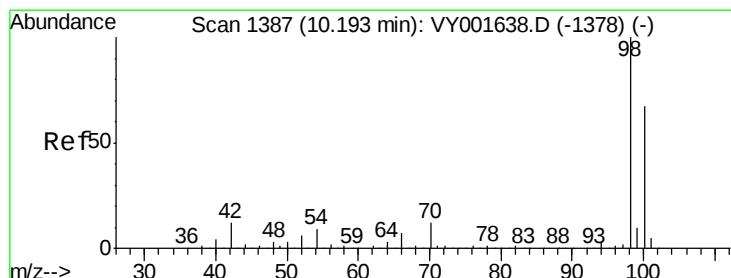
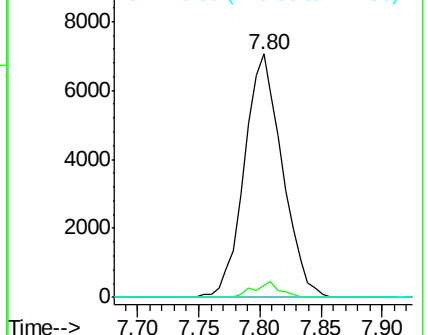
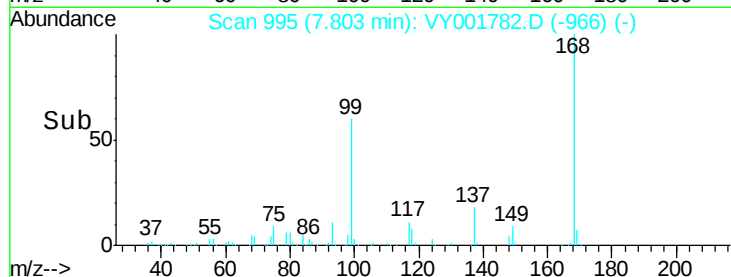
121 0.0 23.8 35.6#



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: 54.29 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001782.D

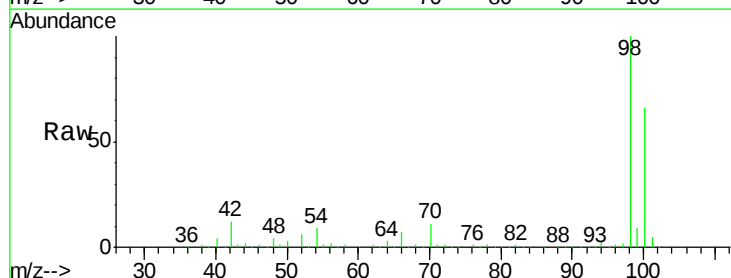
Acq: 26 Feb 2020 14:25

Tgt Ion: 98 Resp: 351450

Ion Ratio Lower Upper

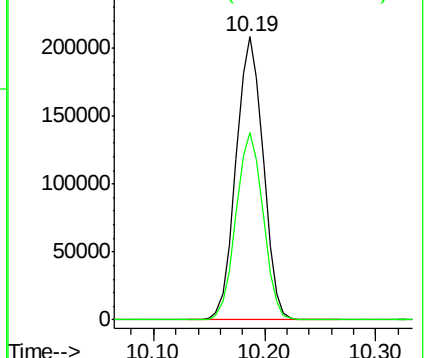
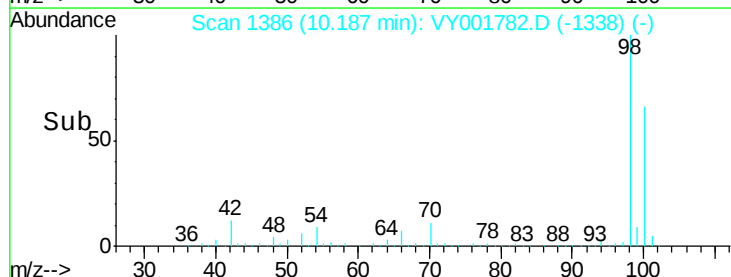
98 100

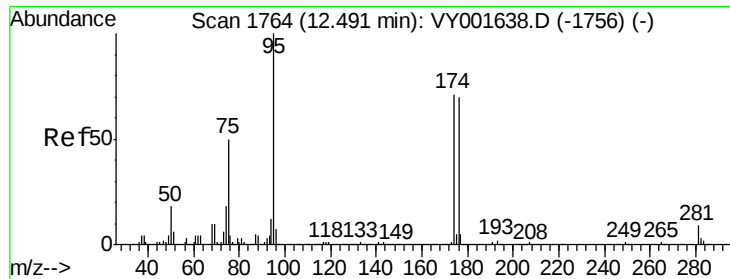
100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

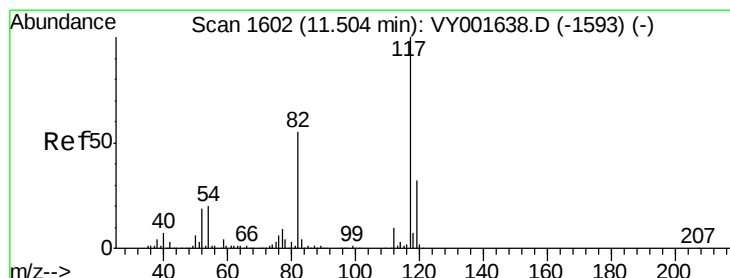
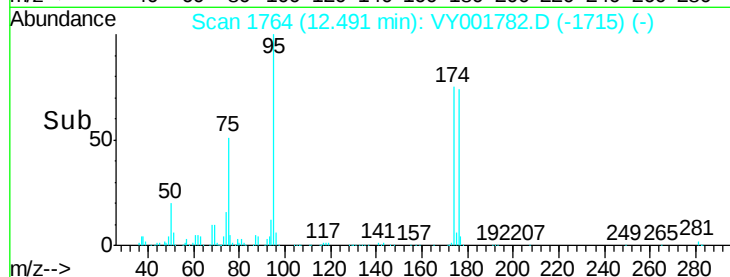
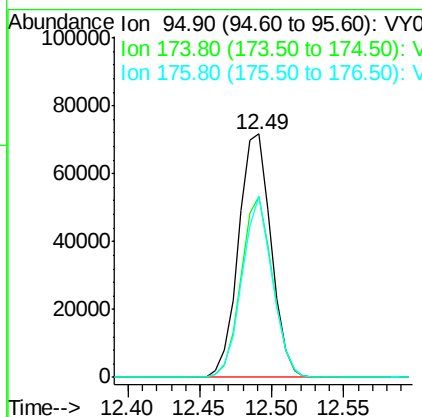
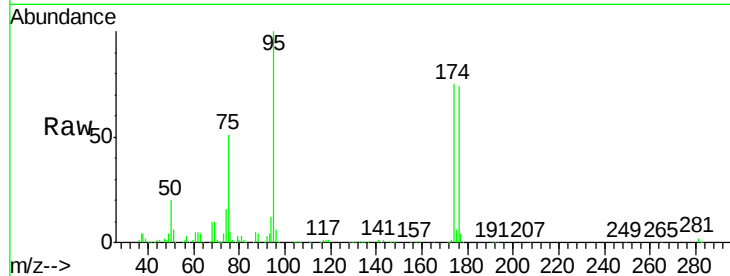




#62
4-Bromofluorobenzene
Concen: 44.70 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY001782.D
Acq: 26 Feb 2020 14:25

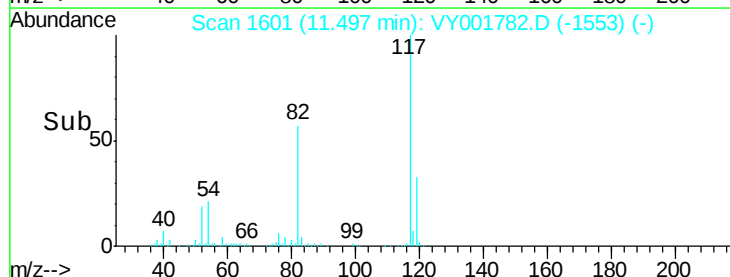
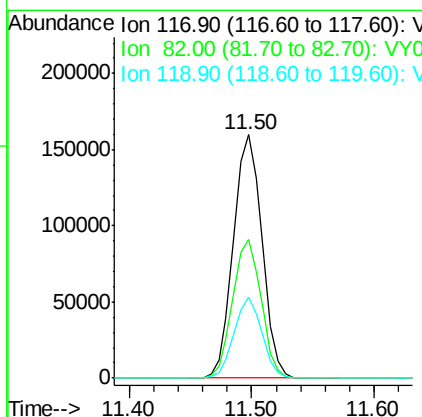
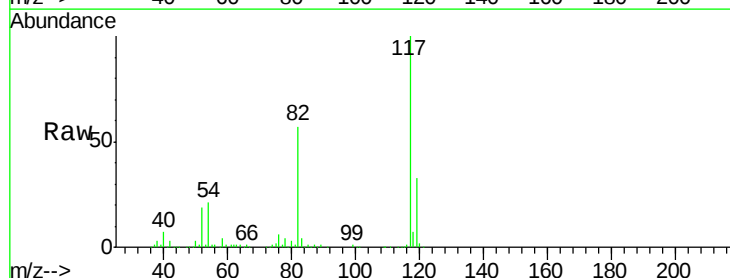
Instrument :
MSVOA_Y
ClientSampleId :
B1-9-9.5-BGS

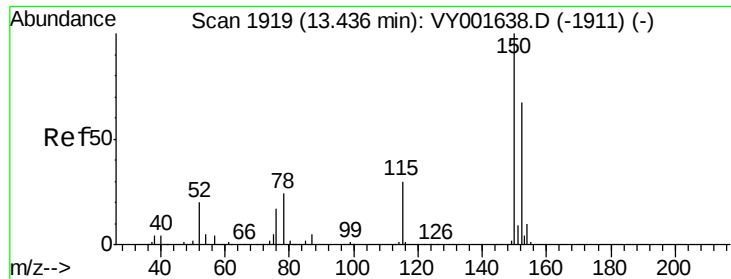
Tgt Ion: 95 Resp: 112409
Ion Ratio Lower Upper
95 100
174 71.7 0.0 138.4
176 69.2 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001782.D
Acq: 26 Feb 2020 14:25

Tgt Ion: 117 Resp: 257319
Ion Ratio Lower Upper
117 100
82 57.2 45.5 68.3
119 33.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001782.D

Acq: 26 Feb 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

B1-9-9.5-BGS

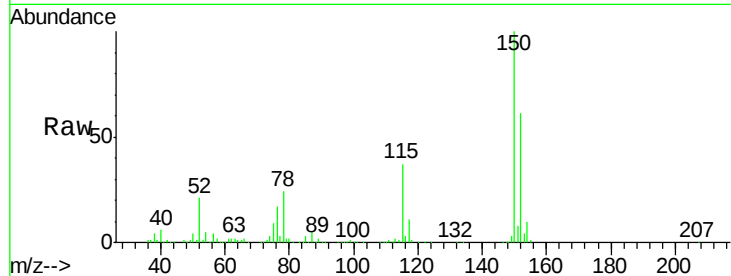
Tgt Ion:152 Resp: 101929

Ion Ratio Lower Upper

152 100

115 60.4 31.4 94.2

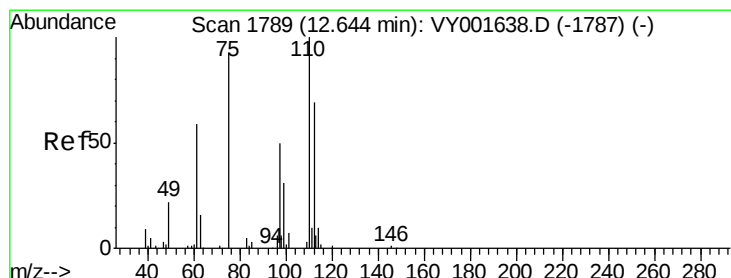
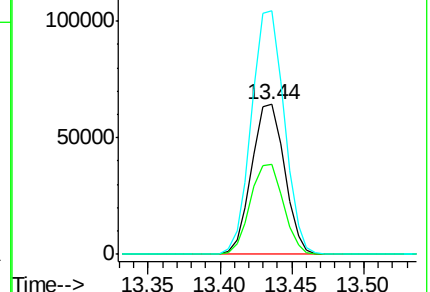
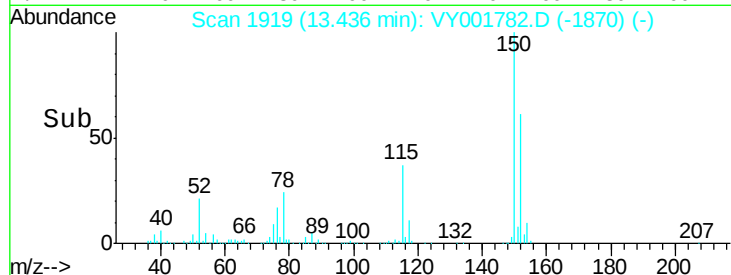
150 160.9 0.0 407.2



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: 49.02 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001782.D

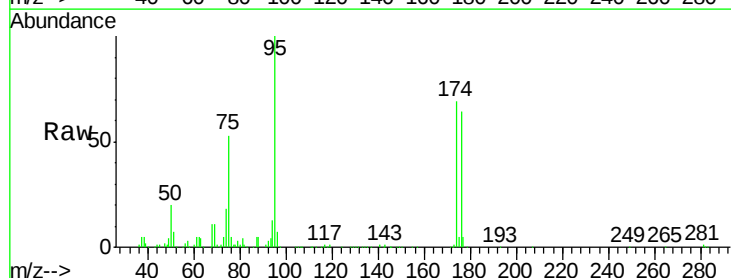
Acq: 26 Feb 2020 14:25

Tgt Ion: 75 Resp: 57320

Ion Ratio Lower Upper

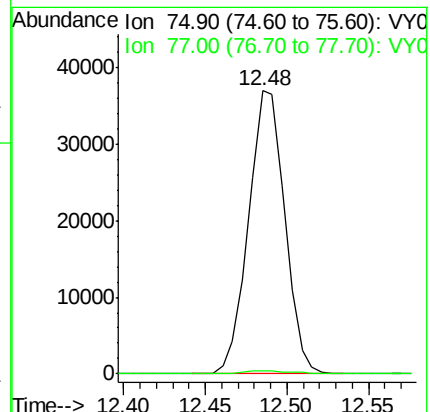
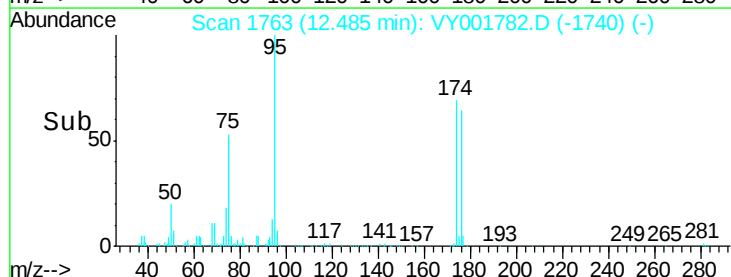
75 100

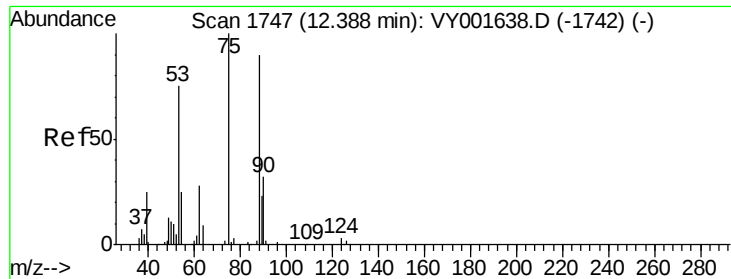
77 1.4 0.0 0.0#



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: 93.00 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001782.D

Acq: 26 Feb 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

B1-9-9.5-BGS

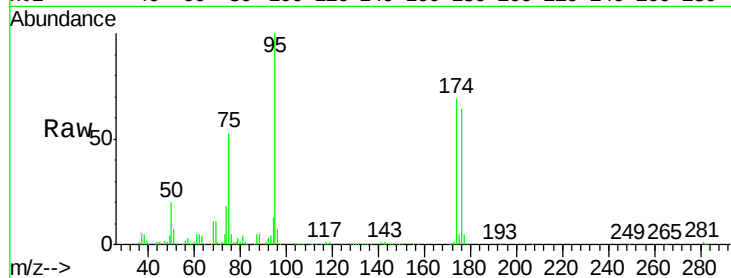
Tgt Ion: 75 Resp: 57320

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#



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

