

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000620.D
 Acq On : 08 Nov 2019 16:19
 Operator : SY/MD
 Sample : K5722-19
 Misc : 4.87G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-C

Quant Time: Nov 11 04:45:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

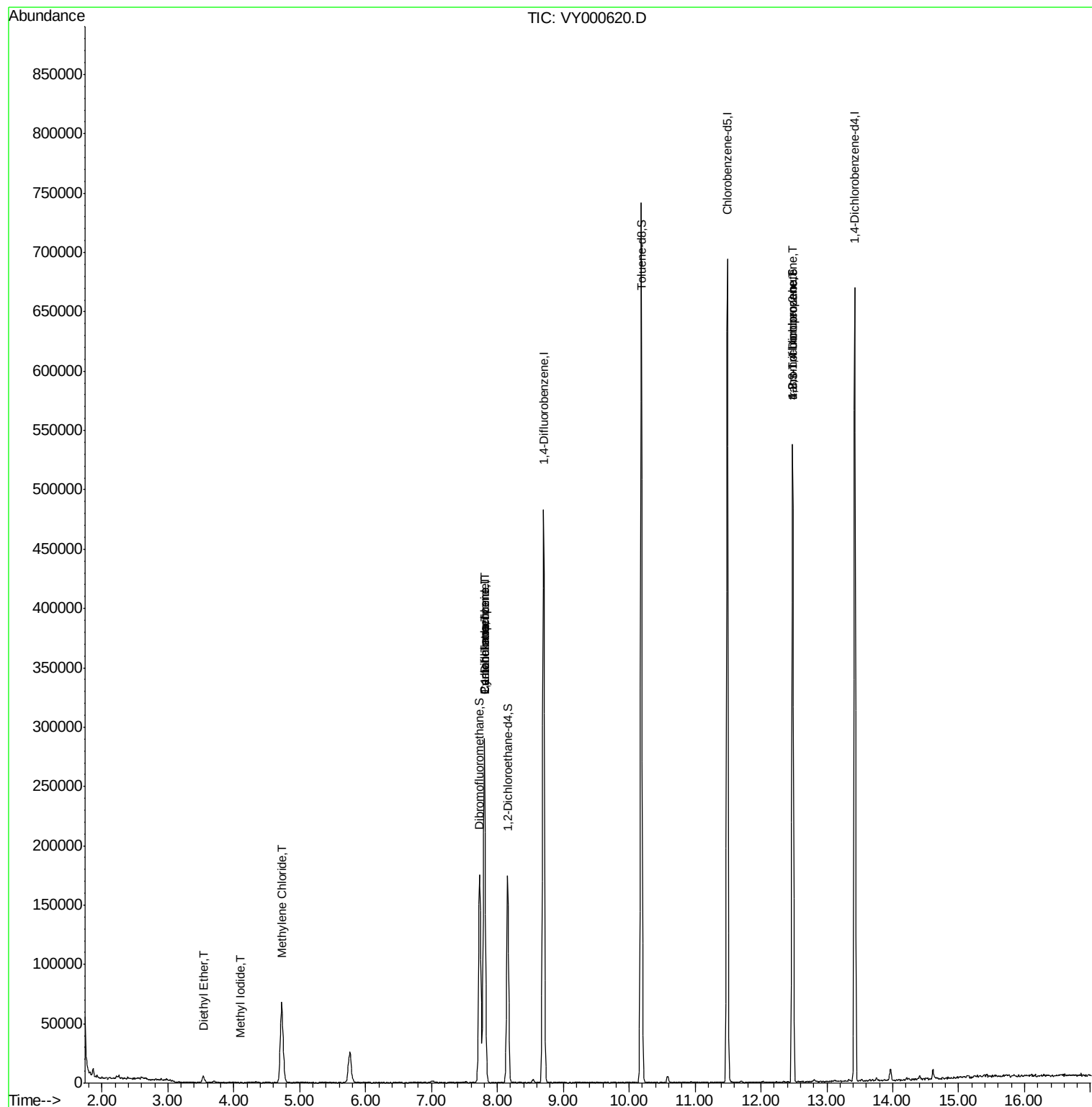
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	224081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	399797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	361045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	156476	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	135446	58.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.82%	
35) Dibromofluoromethane	7.73	113	121557	51.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.58%	
50) Toluene-d8	10.18	98	475439	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.48	95	160281	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
Target Compounds						
8) Diethyl Ether	3.54	74	3104	2.292	ug/l	98
10) Methyl Iodide	4.10	142	98	3.230	ug/l #	41
20) Methylene Chloride	4.72	84	48243	17.616	ug/l	96
31) Cyclohexane	7.81	56	5339	1.189	ug/l #	27
36) 1,1-Dichloropropene	7.80	75	18530	4.903	ug/l #	51
38) Carbon Tetrachloride	7.80	117	22598	6.214	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	84465	47.407	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84465	106.293	ug/l #	13

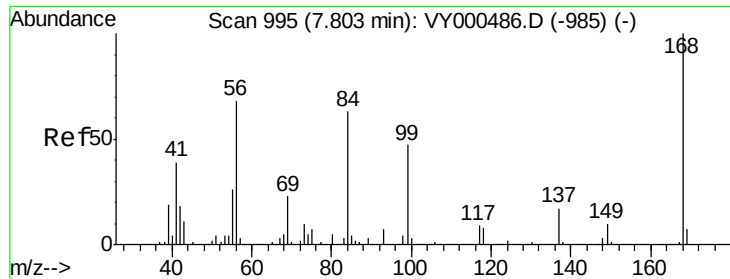
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000620.D

Acq: 08 Nov 2019 16:19

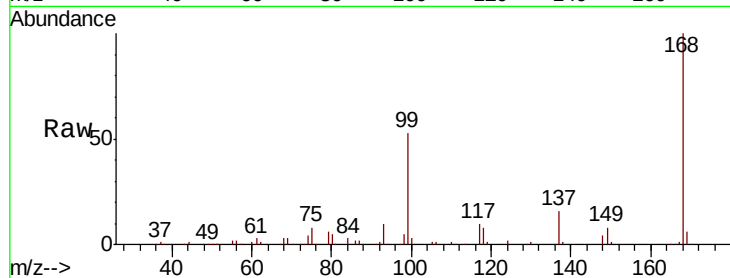
Instrument :
MSVOA_Y
ClientSampled :
3-C

Tot Ion:168 Resp: 224081

Ion Ratio Lower Upper

168 100

99 52.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

60000

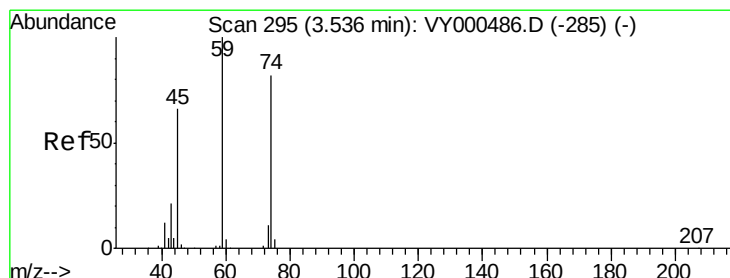
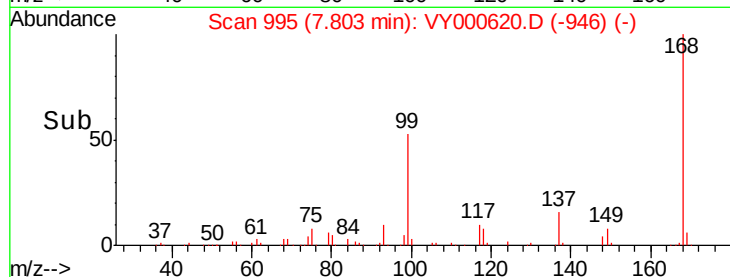
40000

20000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#8

Diethyl Ether

Concen: 2.292 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY000620.D

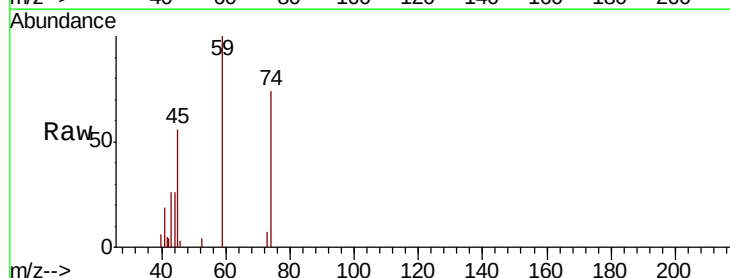
Acq: 08 Nov 2019 16:19

Tgt Ion: 74 Resp: 3104

Ion Ratio Lower Upper

74 100

45 89.0 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.54

1500

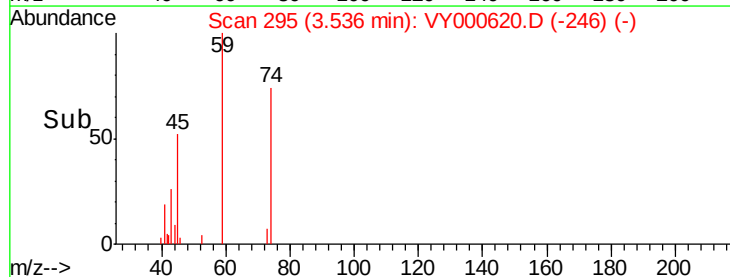
1000

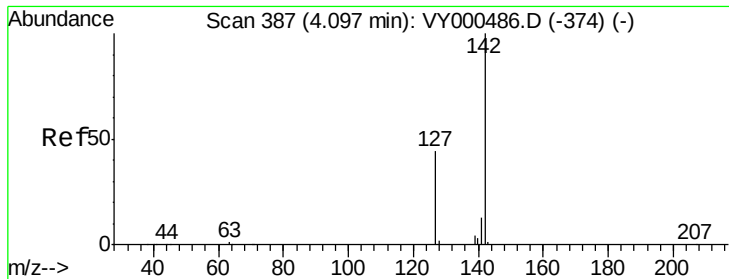
500

0

Time-->

3.45 3.50 3.55 3.60

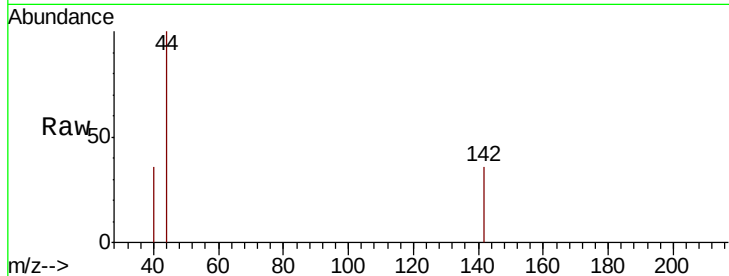




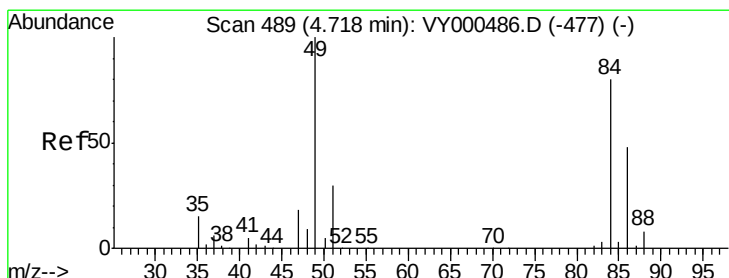
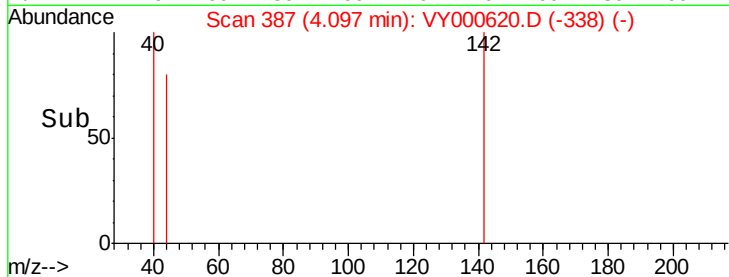
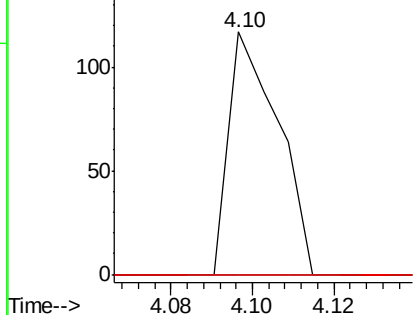
#10
Methvl Iodide
Concen: 3.230 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000620.D
Acq: 08 Nov 2019 16:19

Instrument :
MSVOA_Y
ClientSampleId :
3-C

Tot Ion:142 Resp: 98
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

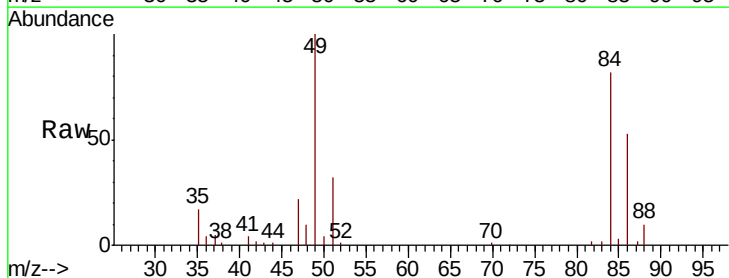


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

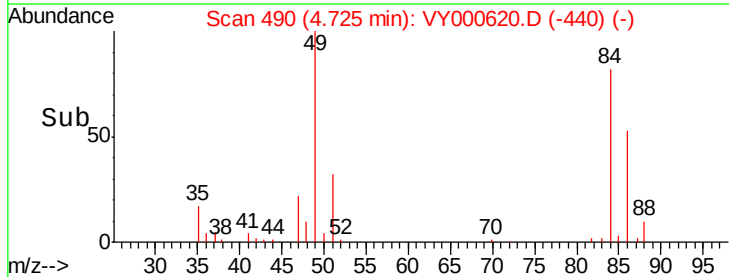
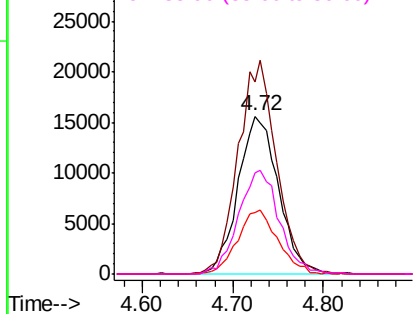


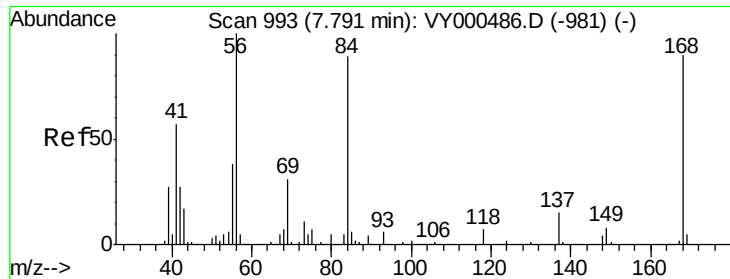
#20
Methylene Chloride
Concen: 17.616 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000620.D
Acq: 08 Nov 2019 16:19

Tgt Ion: 84 Resp: 48243
Ion Ratio Lower Upper
84 100
49 122.1 100.2 150.4
51 39.3 29.6 44.4
86 64.4 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

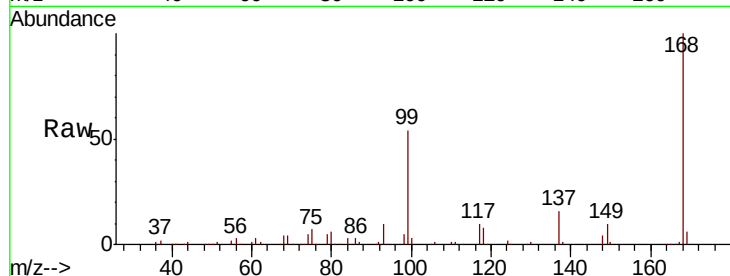




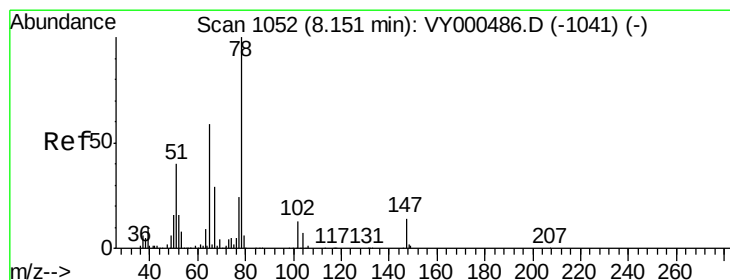
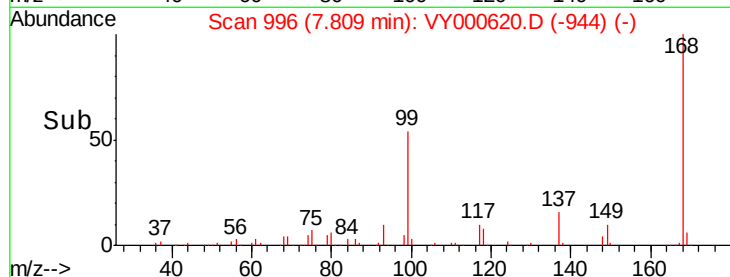
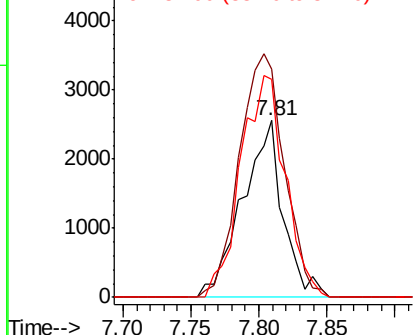
#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.02 min
Lab File: VY000620.D
Acq: 08 Nov 2019 16:19

Instrument :
MSVOA_Y
ClientSampled :
3-C

Tot Ion: 56 Resp: 5339
Ion Ratio Lower Upper
56 100
69 129.3 25.0 37.6#
84 123.7 71.4 107.2#

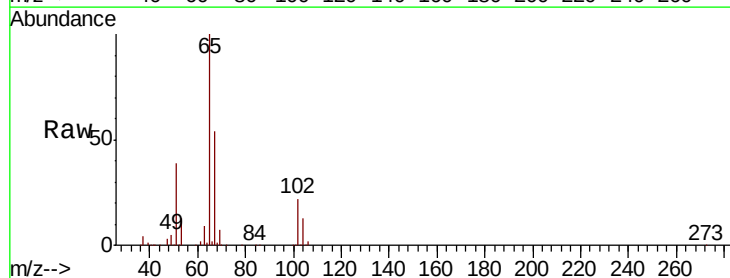


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

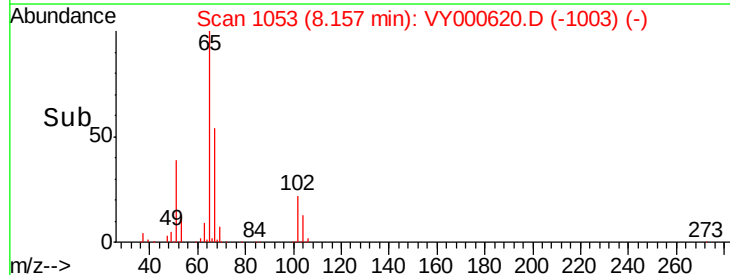
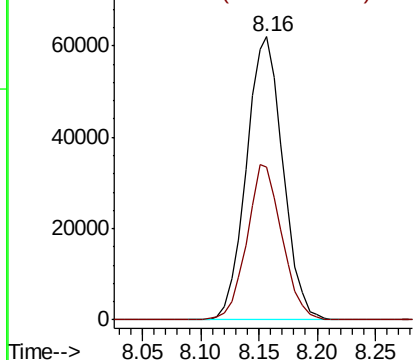


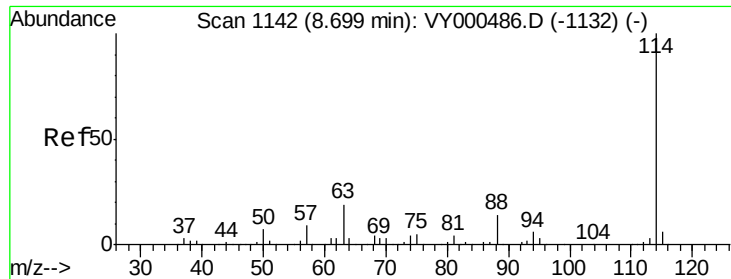
#33
1,2-Dichloroethane-d4
Concen: 58.408 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000620.D
Acq: 08 Nov 2019 16:19

Tgt Ion: 65 Resp: 135446
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



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

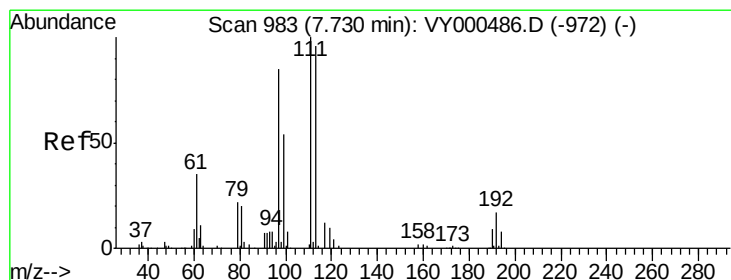
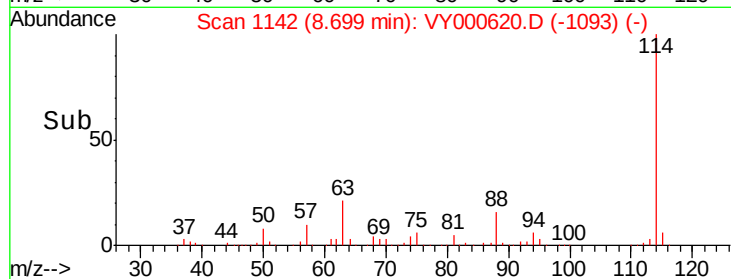
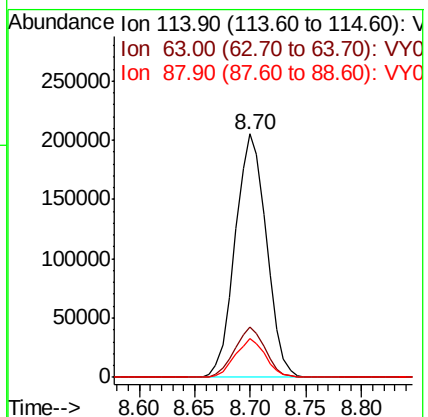
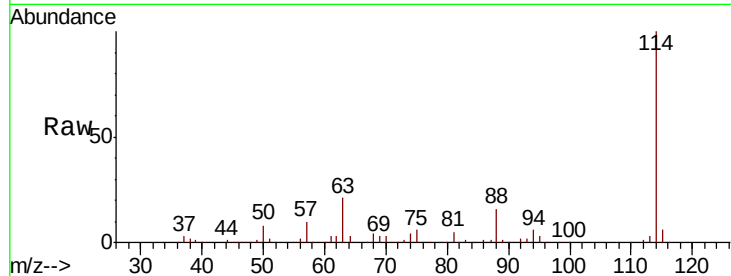




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000620.D
 Acq: 08 Nov 2019 16:19

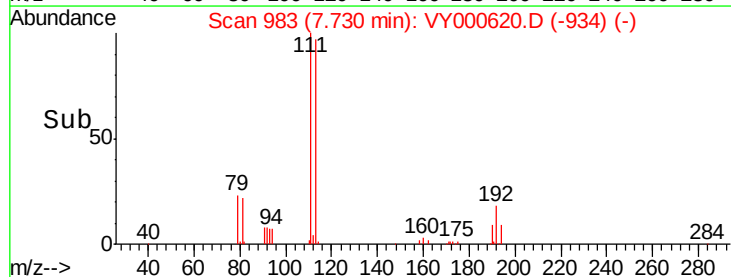
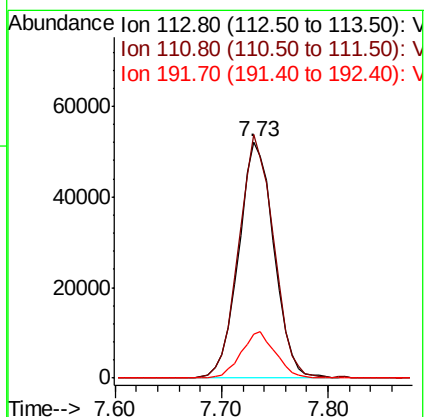
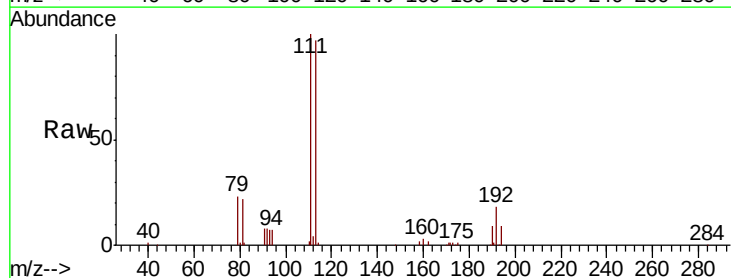
Instrument :
 MSVOA_Y
 ClientSampled :
 3-C

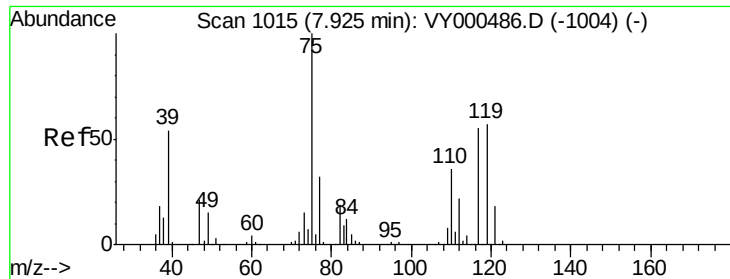
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	38.0
88	16.0	0.0	28.6



#35
 Dibromofluoromethane
 Concen: 51.791 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000620.D
 Acq: 08 Nov 2019 16:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.7	122.5
192	19.1	15.0	22.4

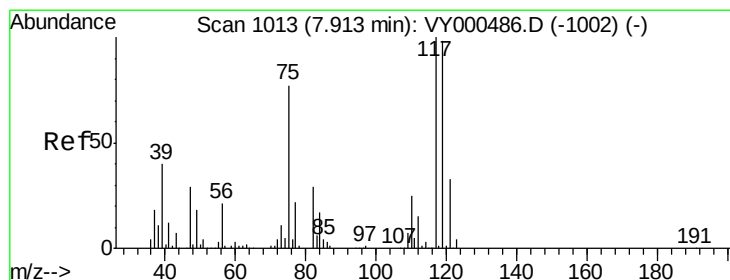
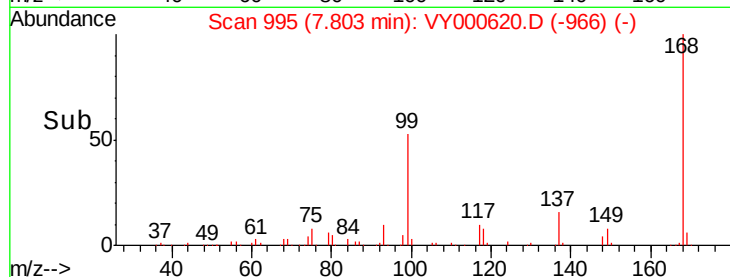
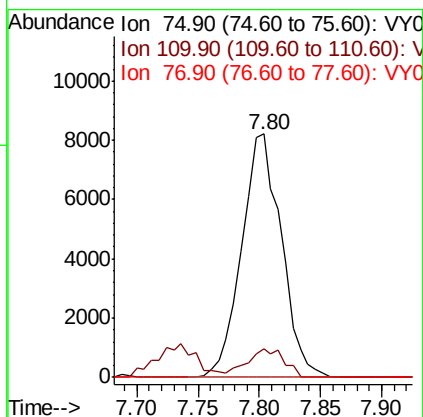
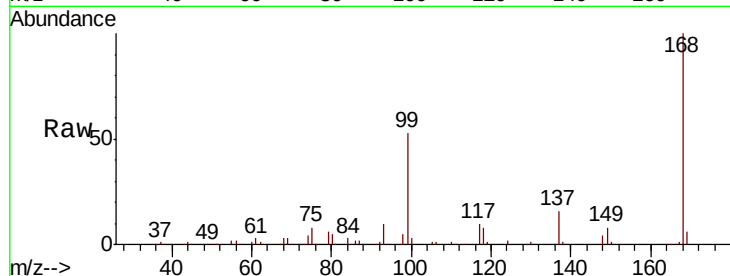




#36
 1,1-Dichloropropene
 Concen: 4.903 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000620.D
 Acq: 08 Nov 2019 16:19

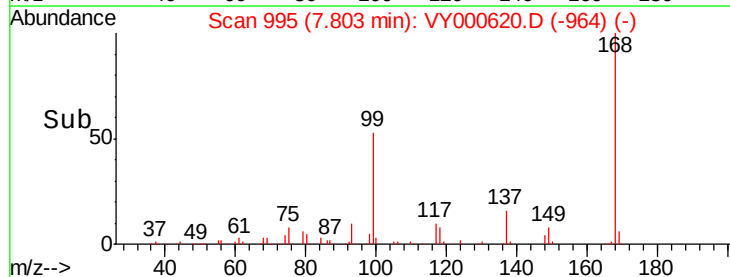
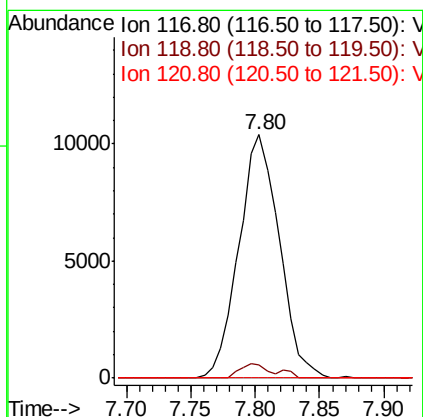
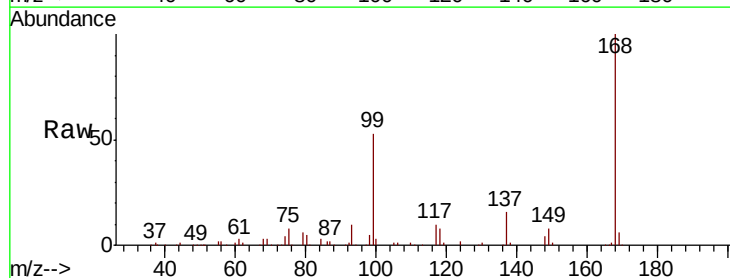
Instrument :
 MSVOA_Y
 ClientSampled :
 3-C

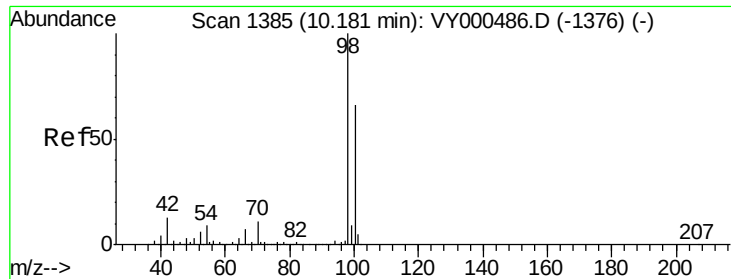
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.214 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000620.D
 Acq: 08 Nov 2019 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 53.385 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000620.D

Acq: 08 Nov 2019 16:19

Instrument :

MSVOA_Y

ClientSampleId :

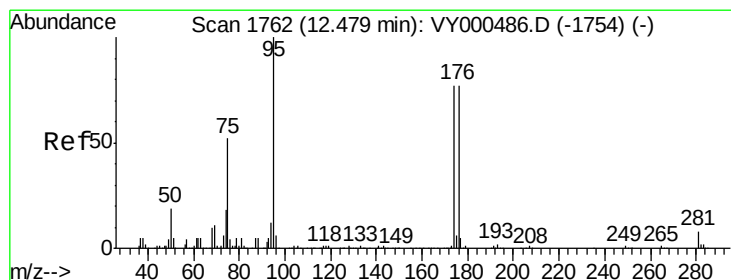
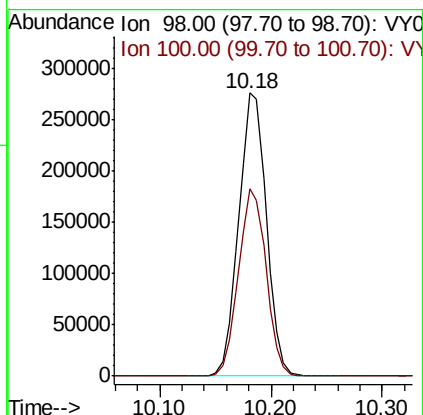
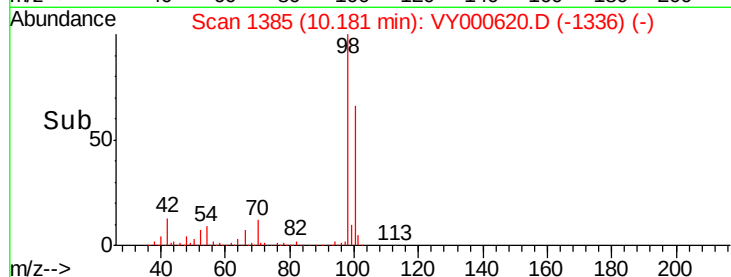
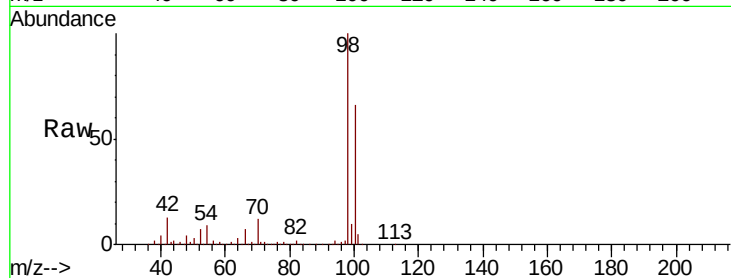
3-C

Tot Ion: 98 Resp: 475439

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 47.275 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000620.D

Acq: 08 Nov 2019 16:19

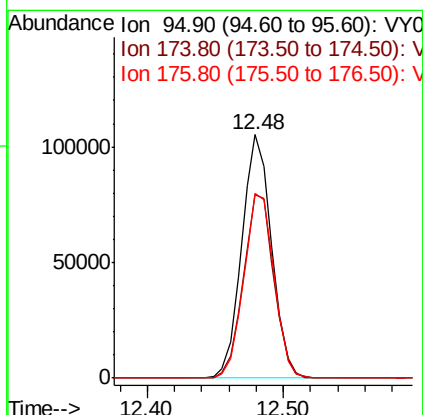
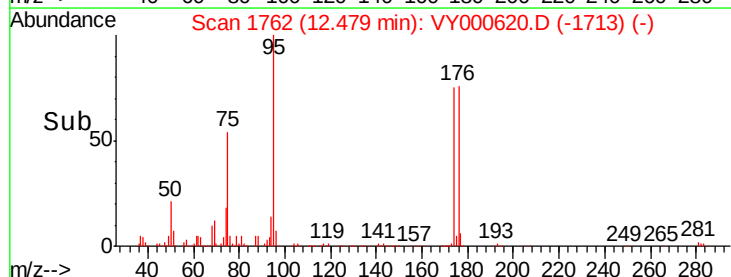
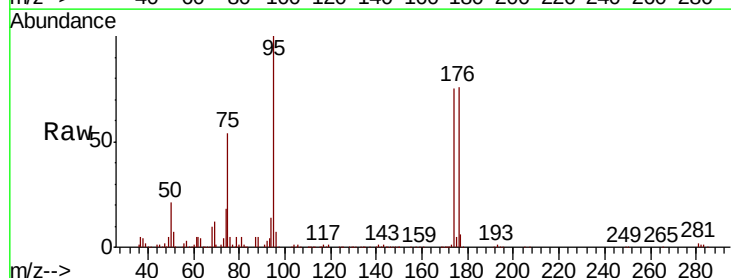
Tgt Ion: 95 Resp: 160281

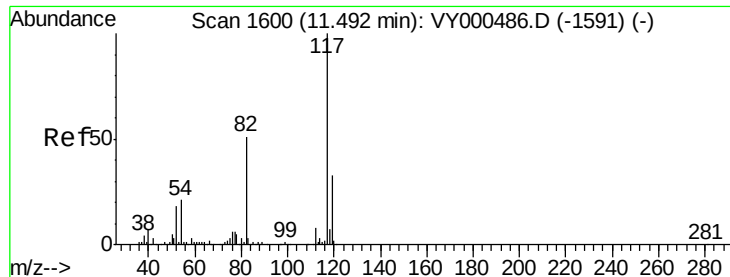
Ion Ratio Lower Upper

95 100

174 77.7 0.0 161.6

176 77.2 0.0 157.8

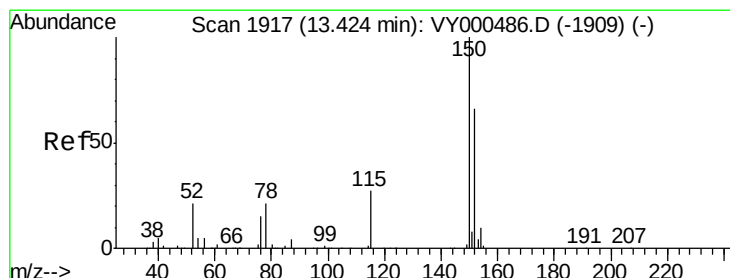
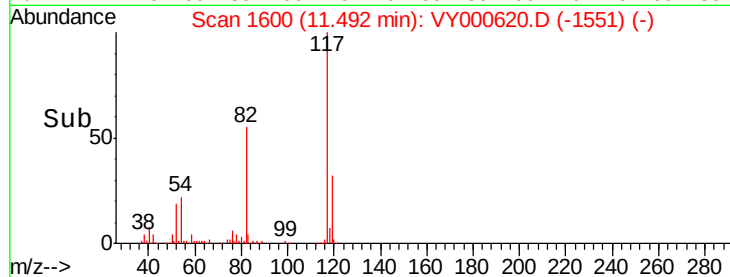
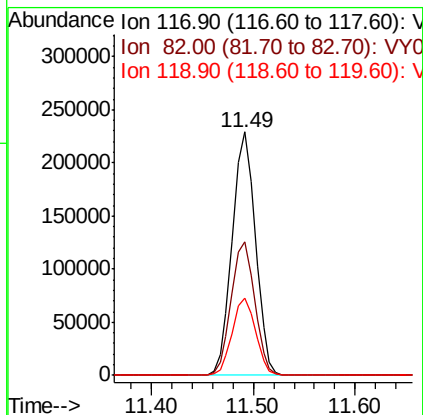
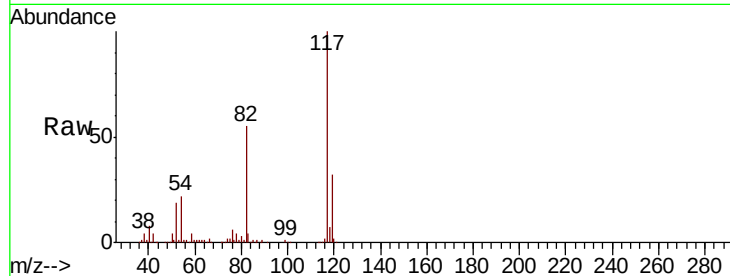




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000620.D
Acq: 08 Nov 2019 16:19

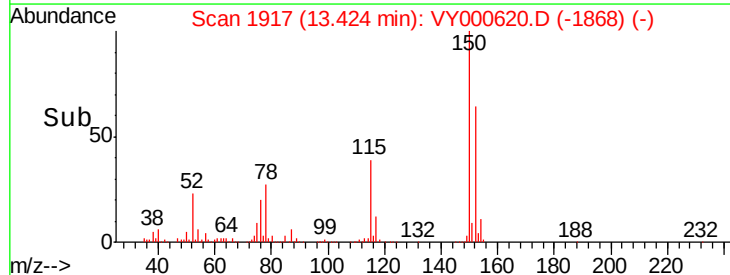
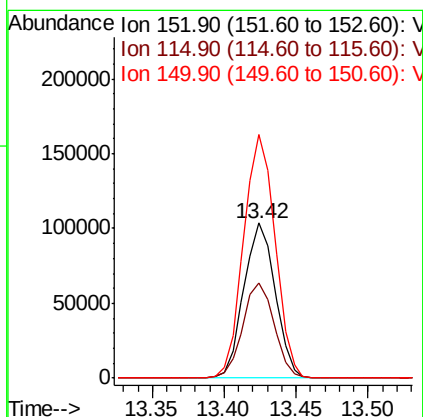
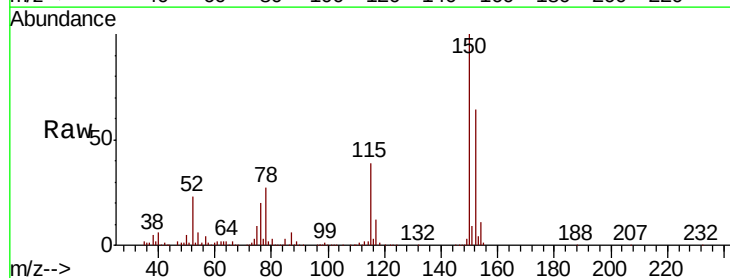
Instrument :
MSVOA_Y
ClientSampled :
3-C

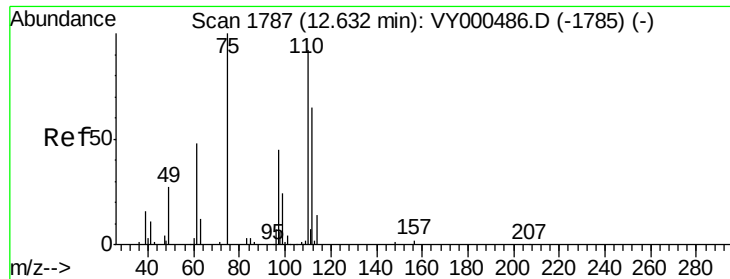
Tot Ion:117 Resp: 361045
Ion Ratio Lower Upper
117 100
82 54.7 40.8 61.2
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000620.D
Acq: 08 Nov 2019 16:19

Tgt Ion:152 Resp: 156476
Ion Ratio Lower Upper
152 100
115 61.2 29.1 87.4
150 157.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 47.407 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000620.D

Acq: 08 Nov 2019 16:19

Instrument :

MSVOA_Y

ClientSampleId :

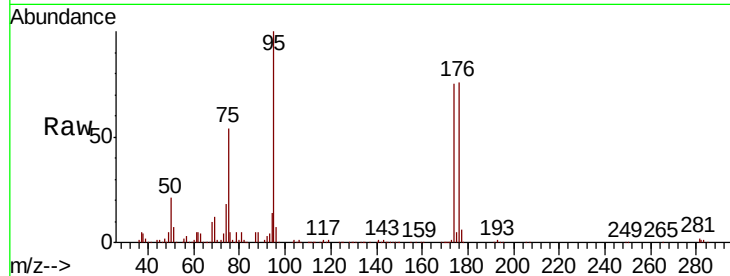
3-C

Tot Ion: 75 Resp: 84465

Ion Ratio Lower Upper

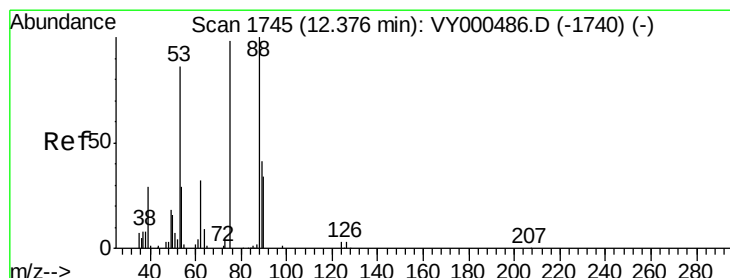
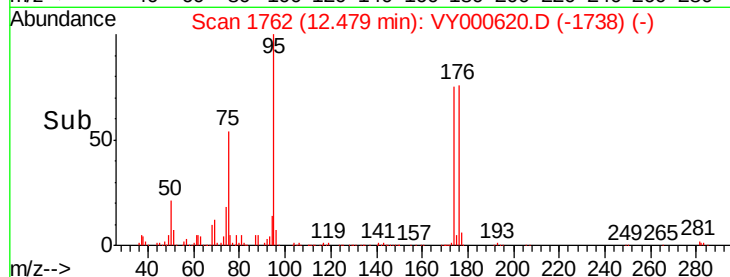
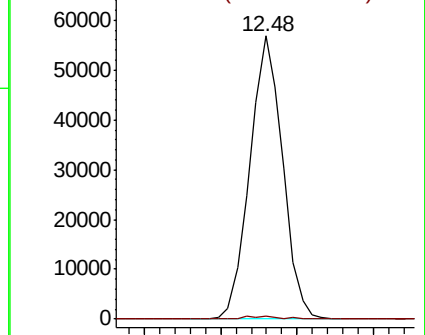
75 100

77 1.2 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: 106.293 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000620.D

Acq: 08 Nov 2019 16:19

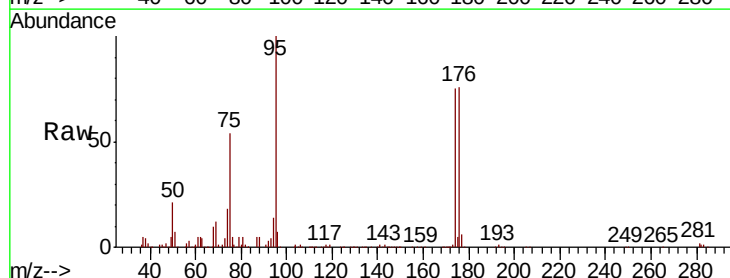
Tgt Ion: 75 Resp: 84465

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#



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

