

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000840.D
 Acq On : 03 Dec 2019 13:53
 Operator : SY/MD
 Sample : K6100-03
 Misc : 6.51G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 04 00:57:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	247218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	466272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	403818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167453	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	156805	59.69	ug/l	0.00
Spiked Amount			Recovery	=	119.38%	
35) Dibromofluoromethane	7.73	113	138423	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
50) Toluene-d8	10.18	98	549883	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.48	95	177121	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	

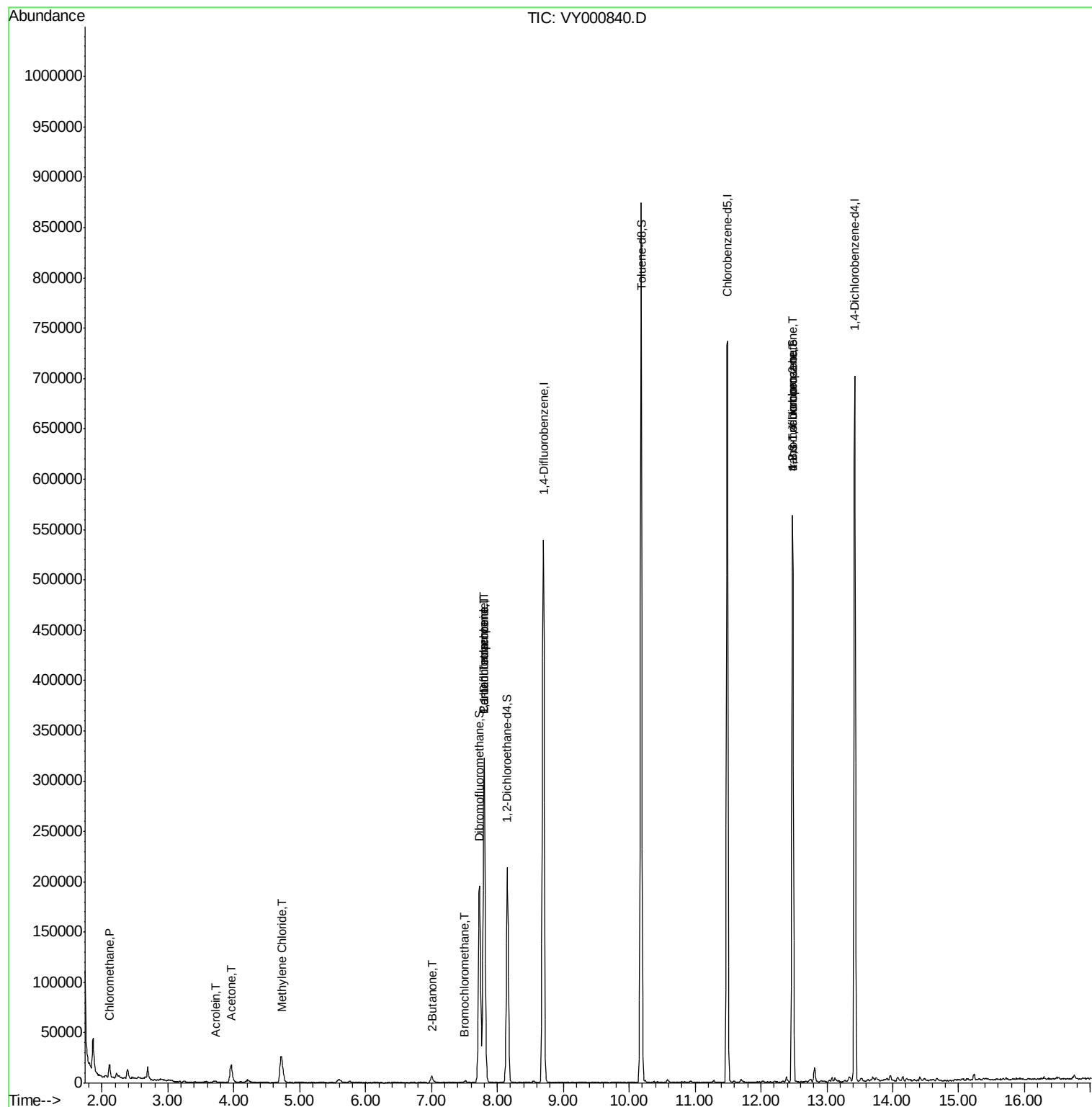
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	13430	4.094	ug/l	98
13) Acrolein	3.73	56	423	1.625	ug/l #	59
16) Acetone	3.96	43	29147	48.368	ug/l	94
20) Methylene Chloride	4.72	84	20235	6.370	ug/l	90
25) 2-Butanone	7.01	43	9347	8.397	ug/l #	83
28) Bromochloromethane	7.49	49	81	2.056	ug/l #	15
36) 1,1-Dichloropropene	7.80	75	21575	4.654	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24345	5.896	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	90592	47.750	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	90592	93.794	ug/l #	17

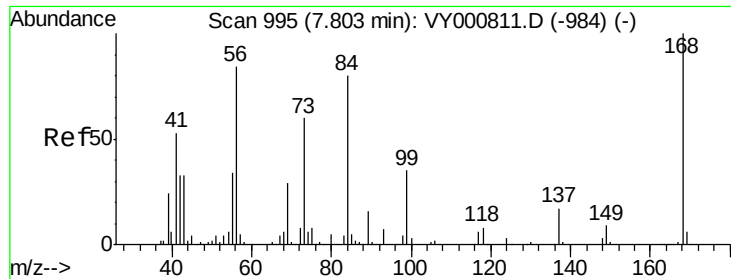
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000840.D

Acq: 03 Dec 2019 13:53

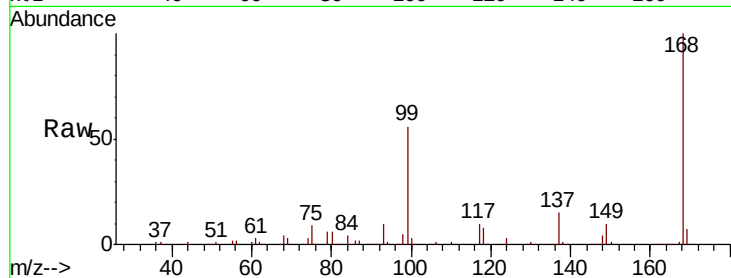
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 247218

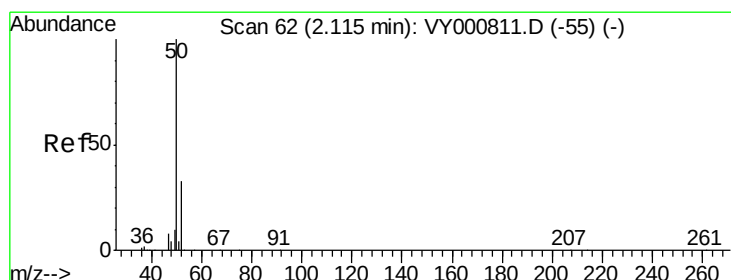
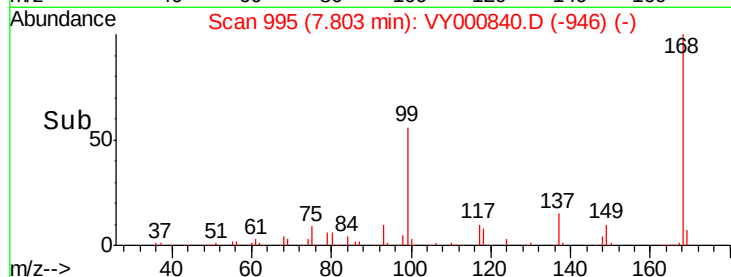
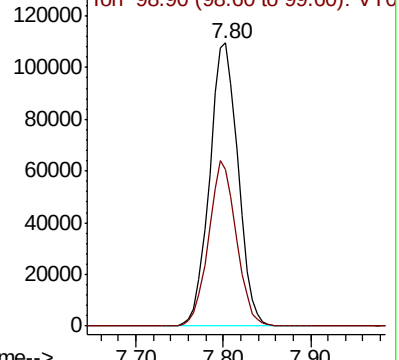
Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)



#3

Chloromethane

Concen: 4.094 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000840.D

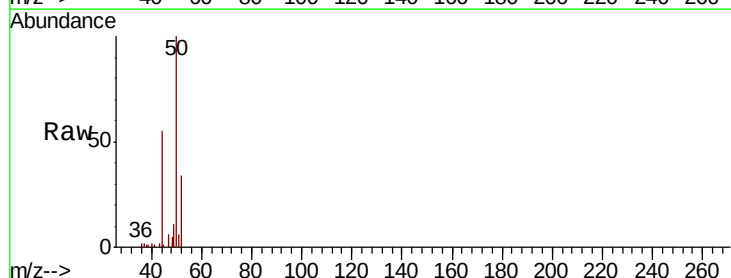
Acq: 03 Dec 2019 13:53

Tgt Ion: 50 Resp: 13430

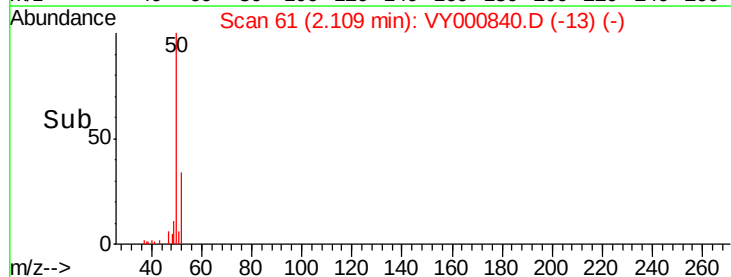
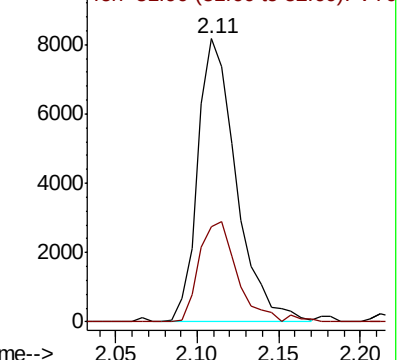
Ion Ratio Lower Upper

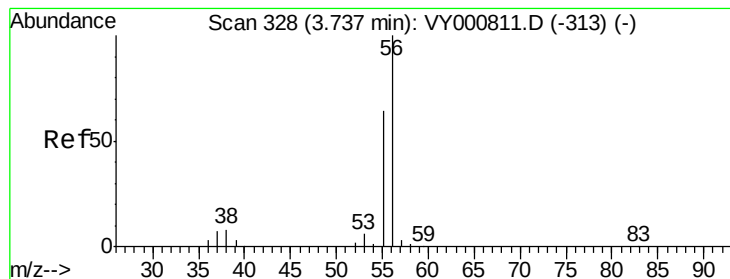
50 100

52 33.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VY000811.D (-55) (-)





#13

Acrolein

Concen: 1.625 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY000840.D

Acq: 03 Dec 2019 13:53

Instrument :

MSVOA_Y

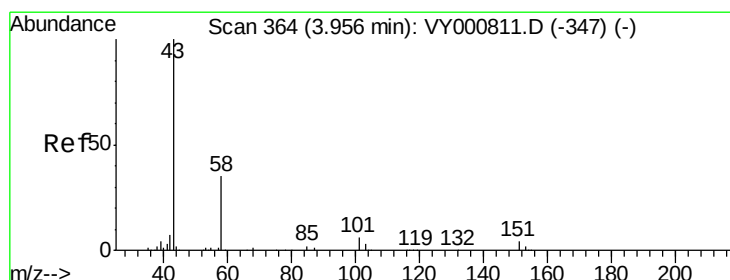
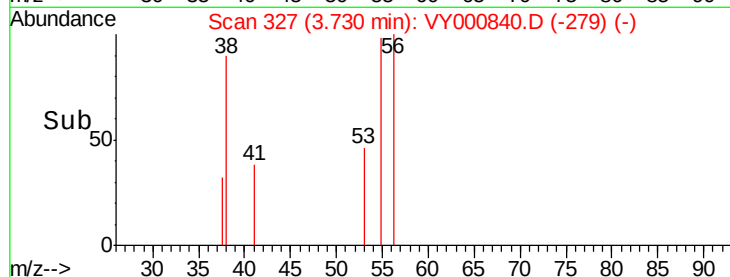
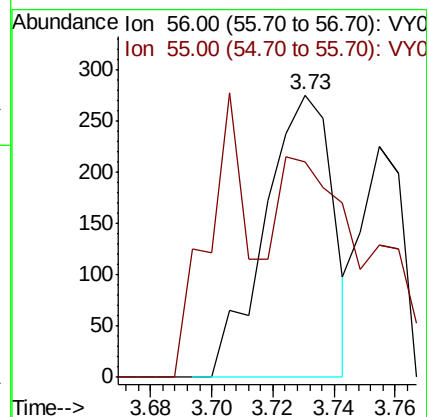
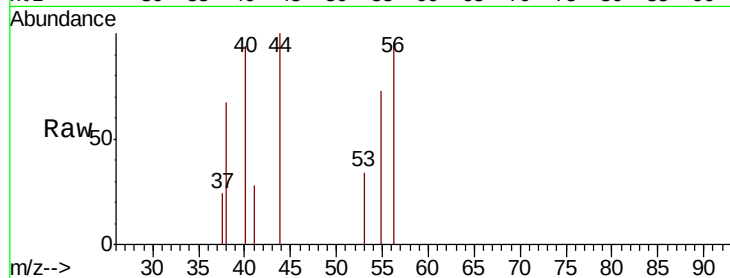
ClientSampled :

Tot Ion: 56 Resp: 423

Ion Ratio Lower Upper

56 100

55 102.8 55.7 83.5#



#16

Acetone

Concen: 48.368 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000840.D

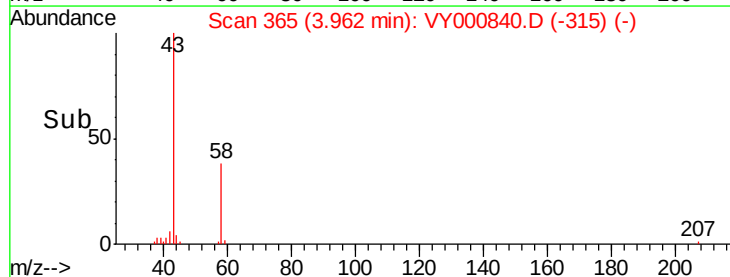
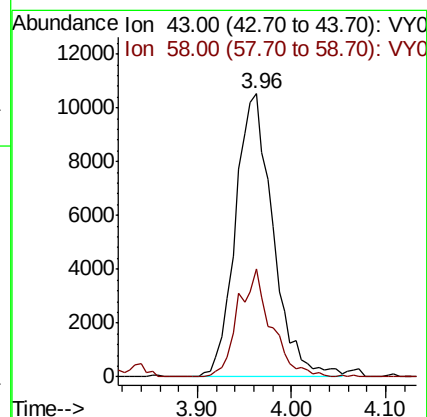
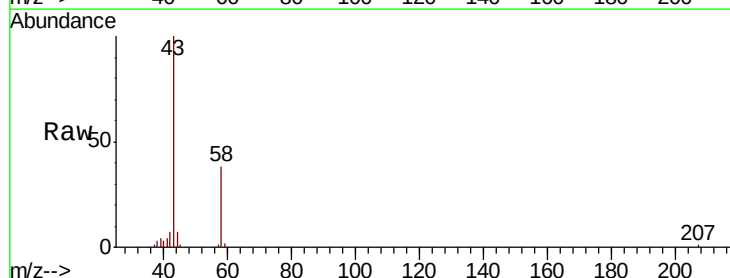
Acq: 03 Dec 2019 13:53

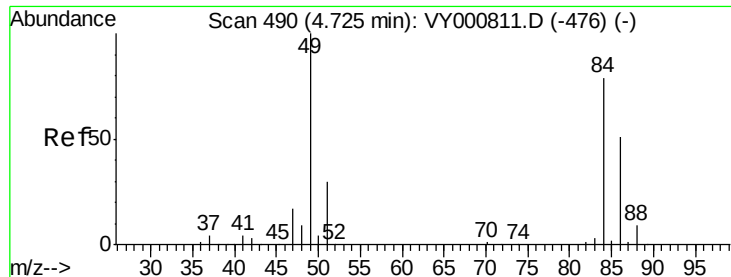
Tgt Ion: 43 Resp: 29147

Ion Ratio Lower Upper

43 100

58 38.3 28.0 42.0

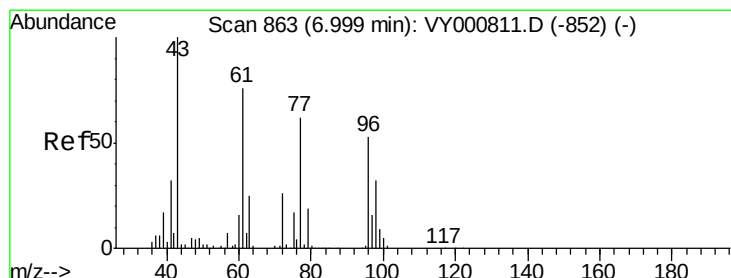
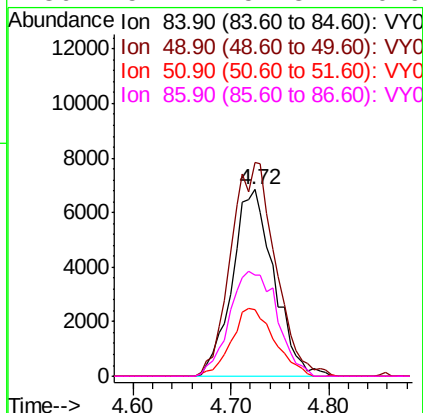
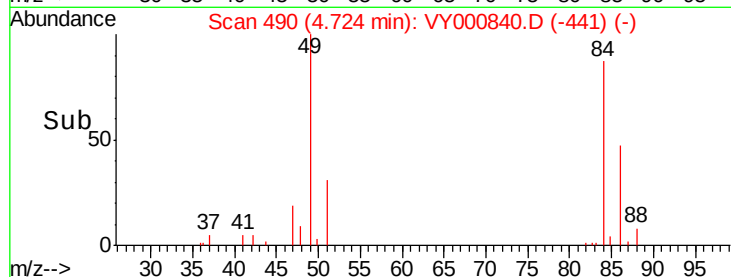
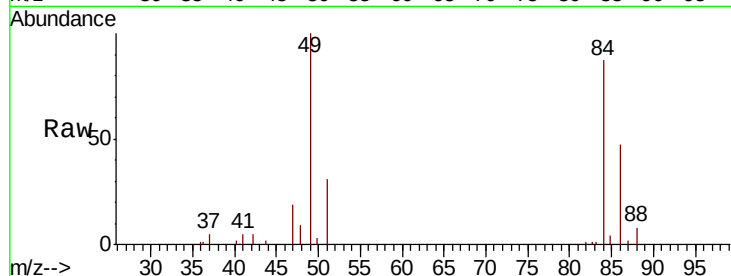




#20
Methvlene Chloride
Concen: 6.370 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000840.D
Acq: 03 Dec 2019 13:53

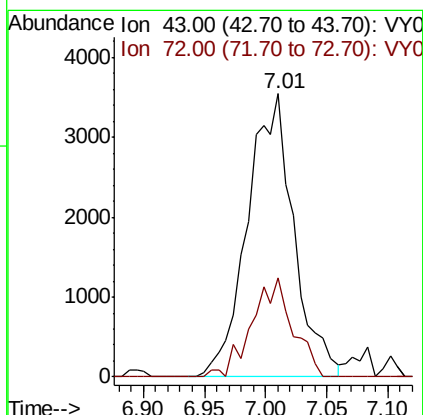
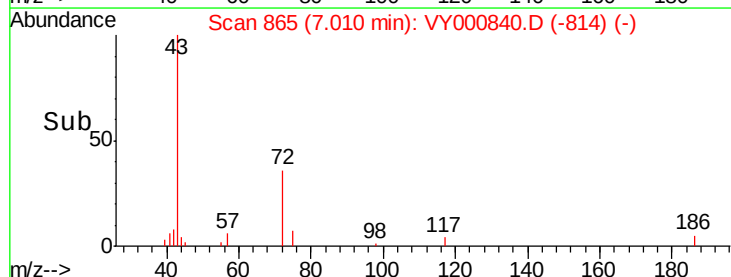
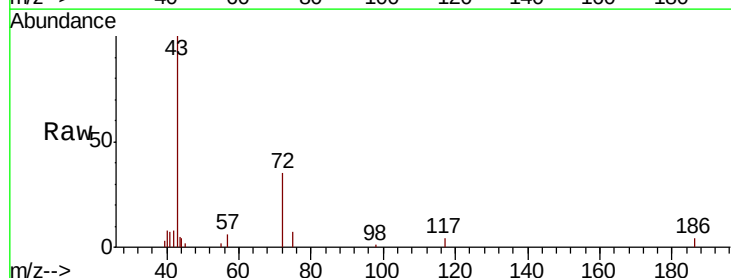
Instrument :
MSVOA_Y
ClientSampleId :

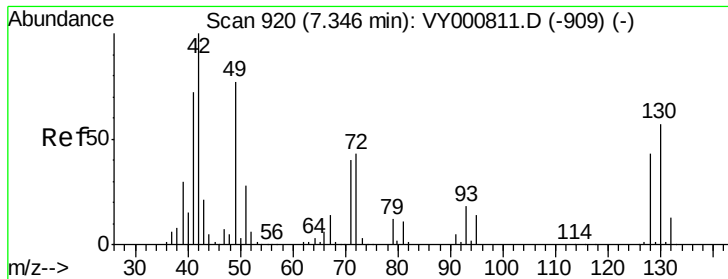
Tot Ion:	84	Resp:	20235
Ion	Ratio	Lower	Upper
84	100		
49	114.5	101.3	151.9
51	35.5	30.6	45.8
86	54.1	51.3	76.9



#25
2-Butanone
Concen: 8.397 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000840.D
Acq: 03 Dec 2019 13:53

Tgt Ion:	43	Resp:	9347
Ion	Ratio	Lower	Upper
43	100		
72	35.1	21.0	31.4#





#28

Bromochloromethane

Concen: 2.056 ug/l

RT: 7.49 min Scan# 944

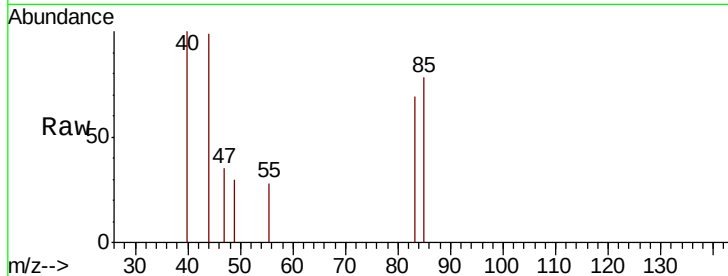
Delta R.T. 0.15 min

Lab File: VY000840.D

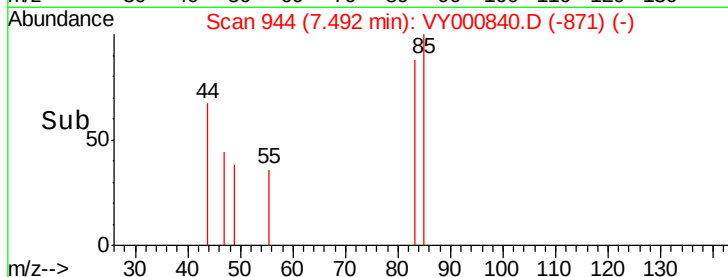
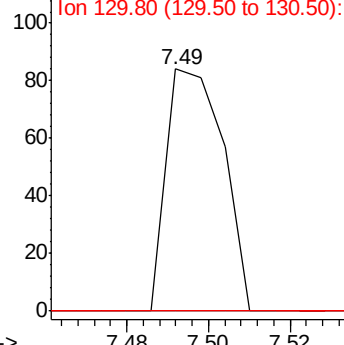
Acq: 03 Dec 2019 13:53

Instrument :
MSVOA_Y
ClientSampled :

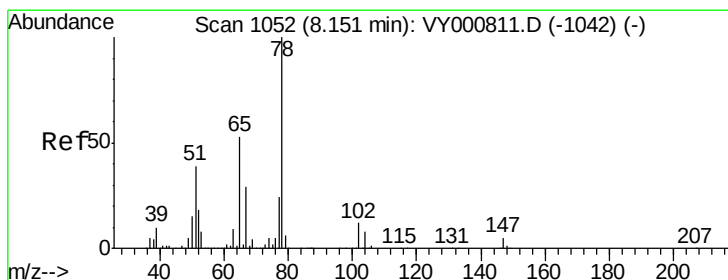
Tot Ion: 49 Resp: 81
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.692 ug/l

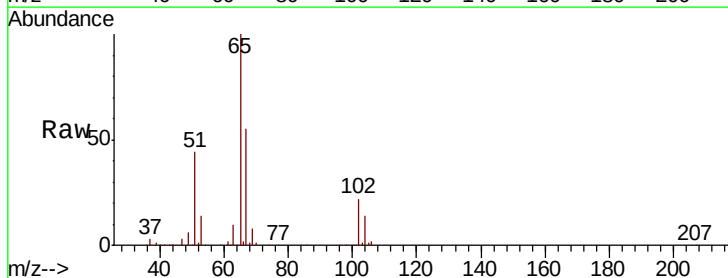
RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

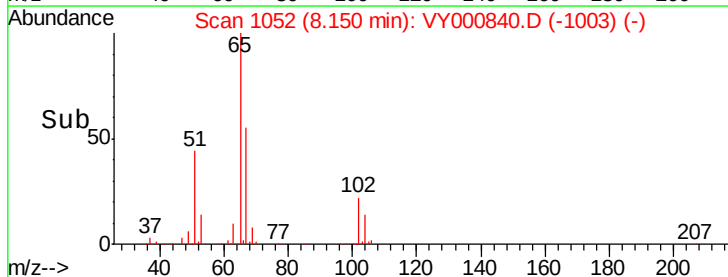
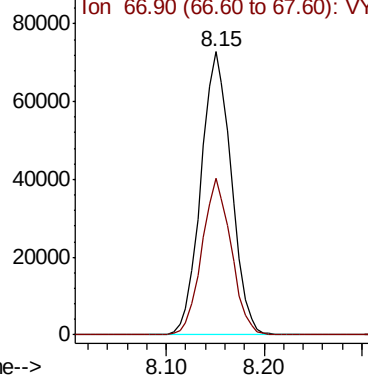
Lab File: VY000840.D

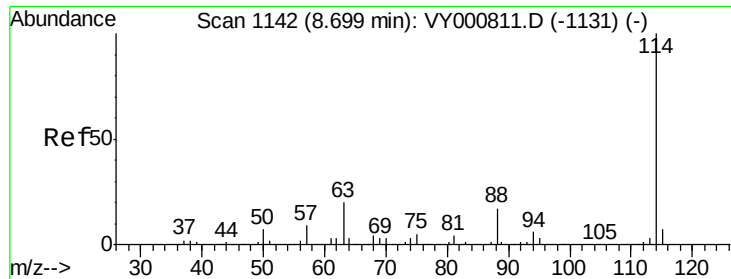
Acq: 03 Dec 2019 13:53

Tgt Ion: 65 Resp: 156805
Ion Ratio Lower Upper
65 100
67 53.3 0.0 112.0



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

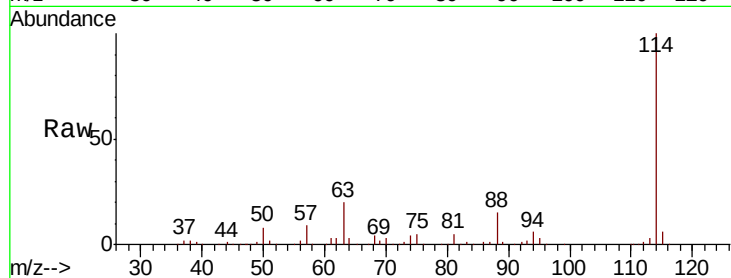




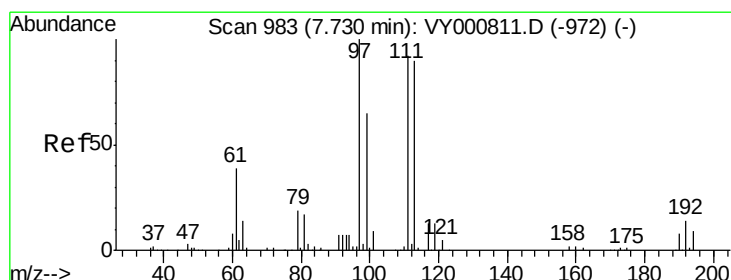
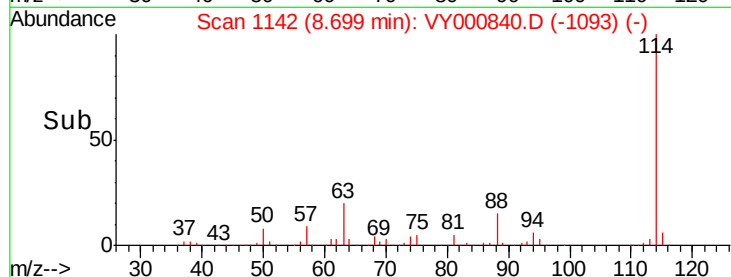
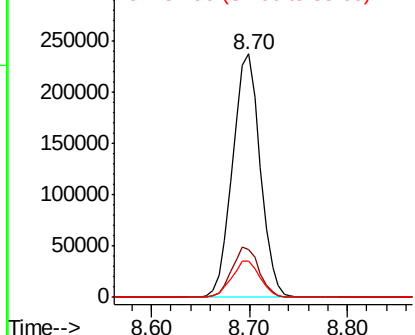
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000840.D
 Acq: 03 Dec 2019 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 466272
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.0 0.0 33.2

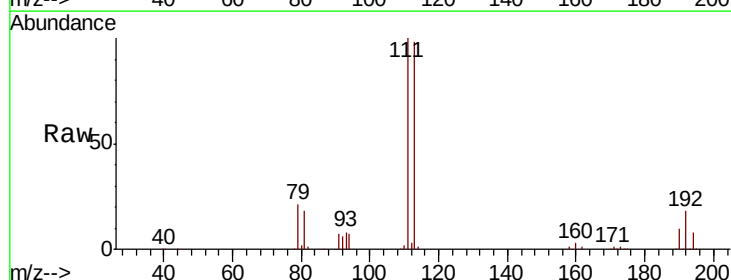


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

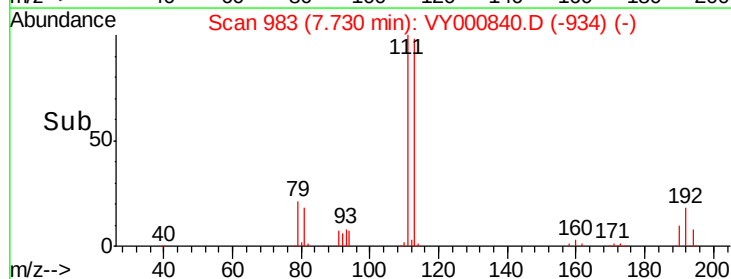
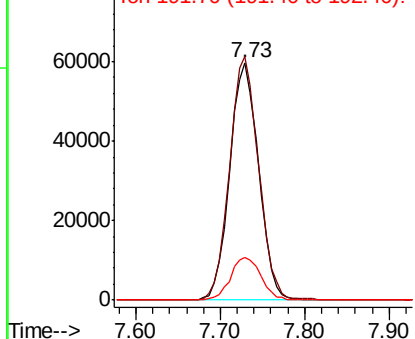


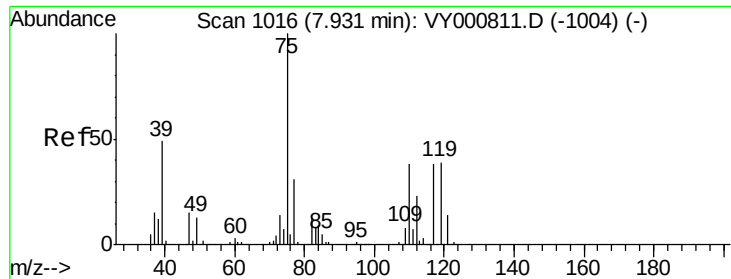
#35
 Dibromofluoromethane
 Concen: 50.939 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000840.D
 Acq: 03 Dec 2019 13:53

Tgt Ion:113 Resp: 138423
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 18.8 14.2 21.2



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

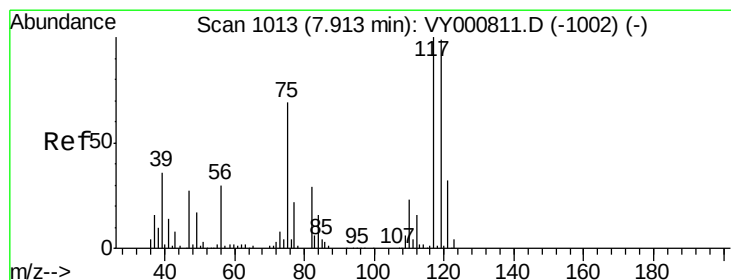
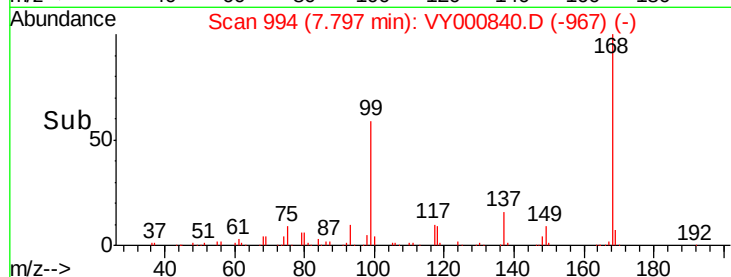
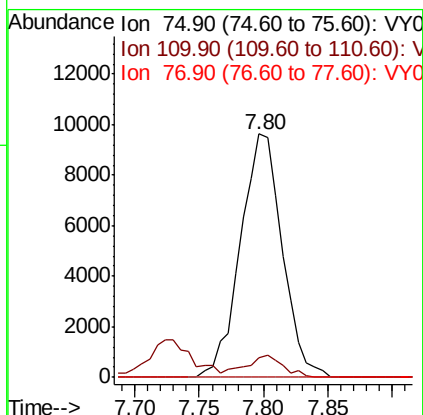
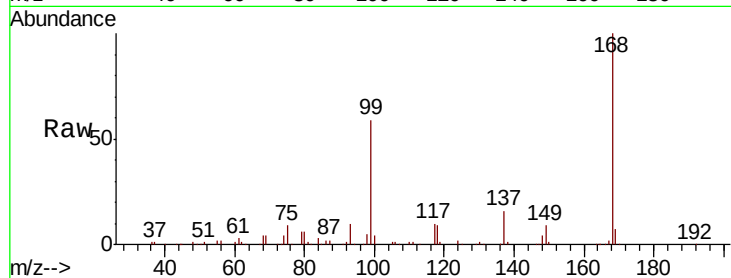




#36
 1,1-Dichloropropene
 Concen: 4.654 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000840.D
 Acq: 03 Dec 2019 13:53

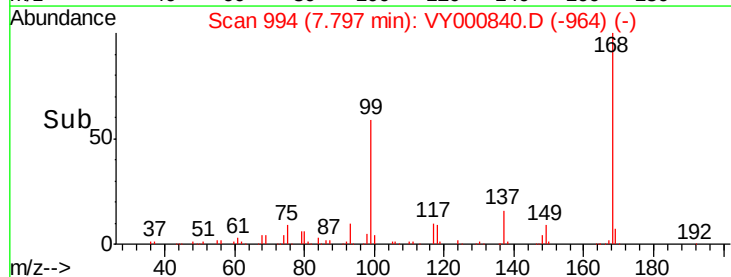
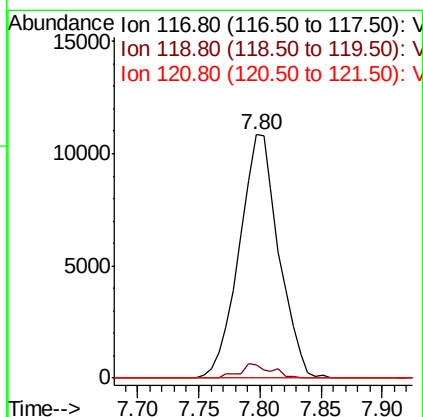
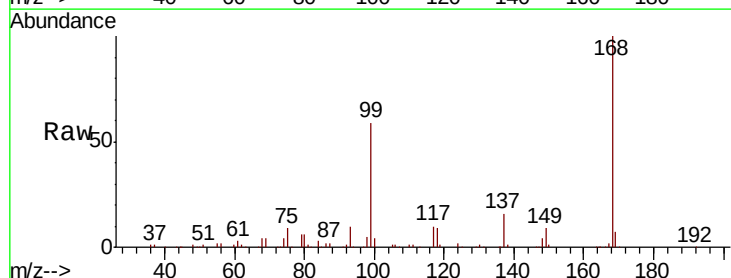
Instrument :
 MSVOA_Y
 ClientSampleId :

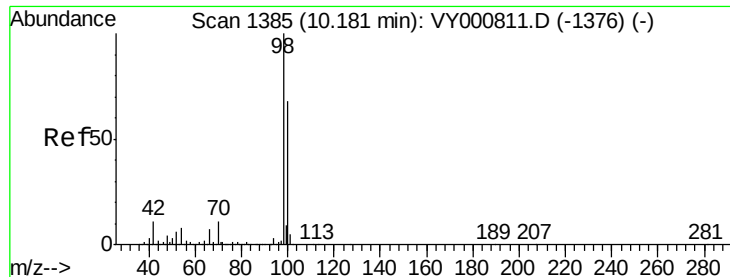
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.9	53.7#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.896 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000840.D
 Acq: 03 Dec 2019 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	79.3	118.9#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 50.614 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000840.D

Acq: 03 Dec 2019 13:53

Instrument :

MSVOA_Y

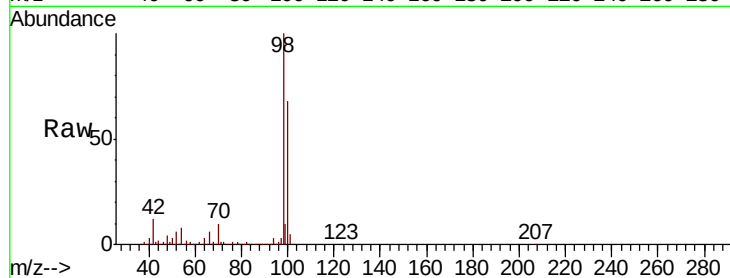
ClientSampleId :

Tot Ion: 98 Resp: 549883

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY000811.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000840.D (-1336) (-)

10.18

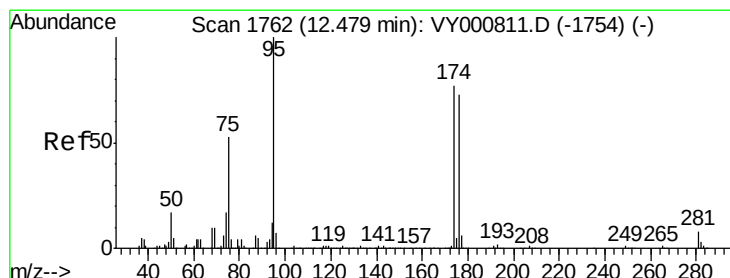
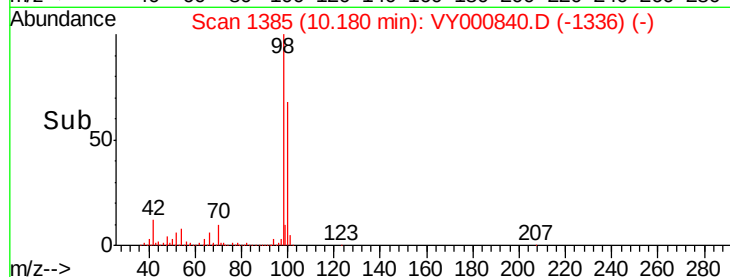
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.411 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000840.D

Acq: 03 Dec 2019 13:53

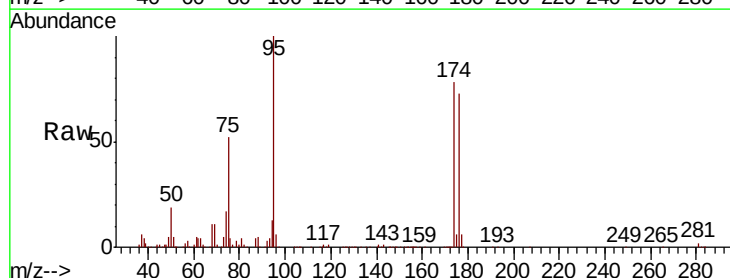
Tgt Ion: 95 Resp: 177121

Ion Ratio Lower Upper

95 100

174 77.6 0.0 150.6

176 74.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY000811.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000840.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000840.D (-1713) (-)

12.48

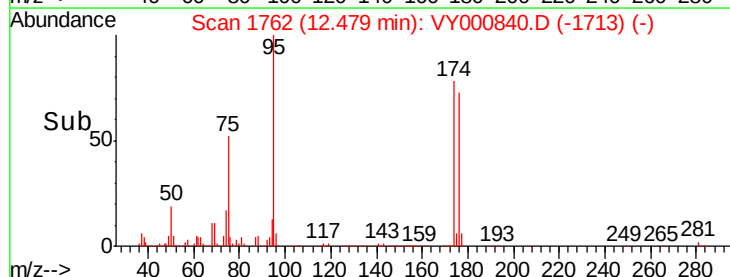
150000

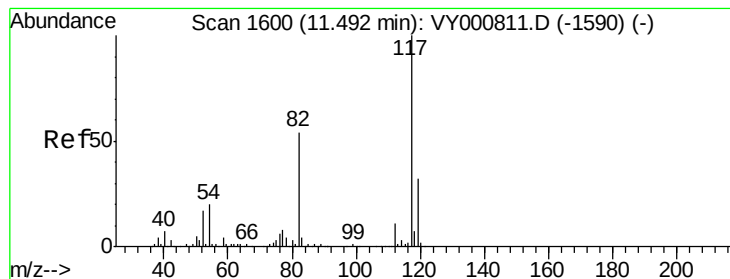
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000840.D

Acq: 03 Dec 2019 13:53

Instrument :

MSVOA_Y

ClientSampled :

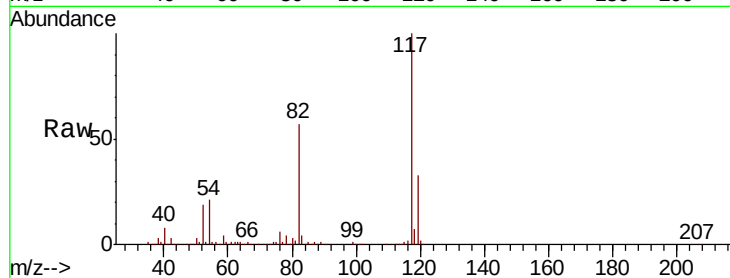
Tot Ion:117 Resp: 403818

Ion Ratio Lower Upper

117 100

82 56.6 43.1 64.7

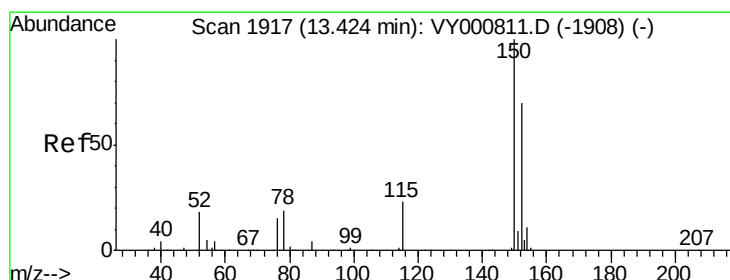
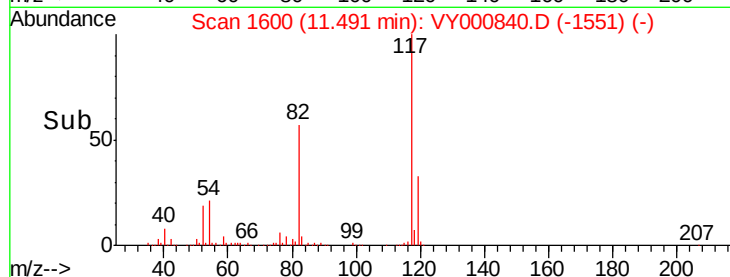
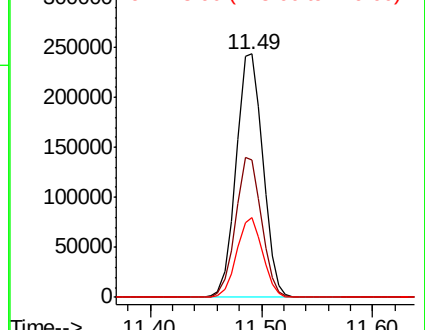
119 32.6 25.3 37.9



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: VY000840.D

Acq: 03 Dec 2019 13:53

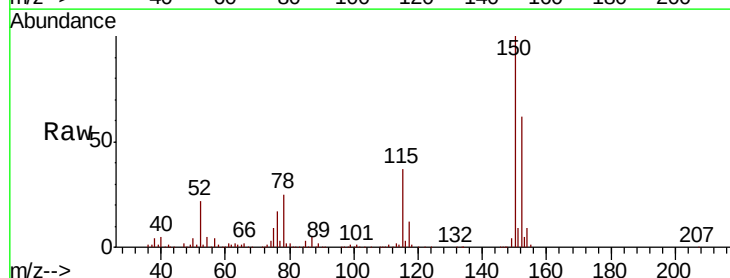
Tgt Ion:152 Resp: 167453

Ion Ratio Lower Upper

152 100

115 59.6 29.3 87.8

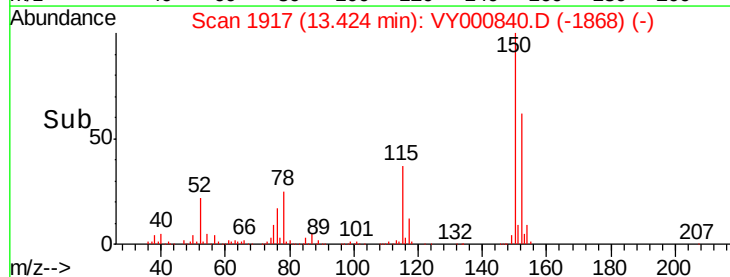
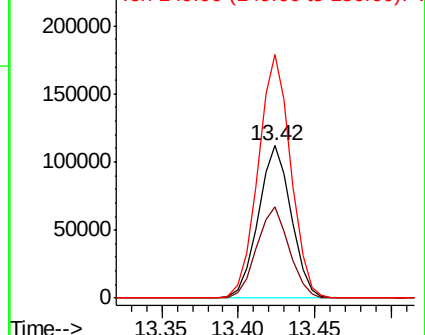
150 158.5 0.0 351.2

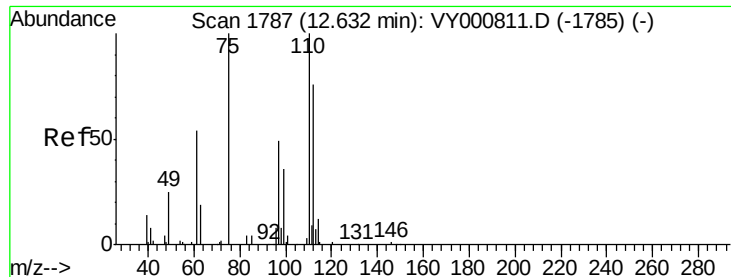


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 47.750 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000840.D

Acq: 03 Dec 2019 13:53

Instrument :

MSVOA_Y

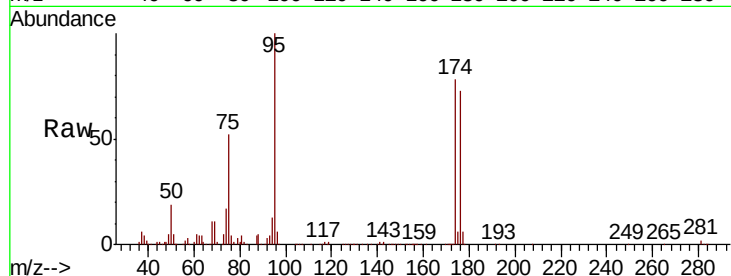
ClientSampleId :

Tot Ion: 75 Resp: 90592

Ion Ratio Lower Upper

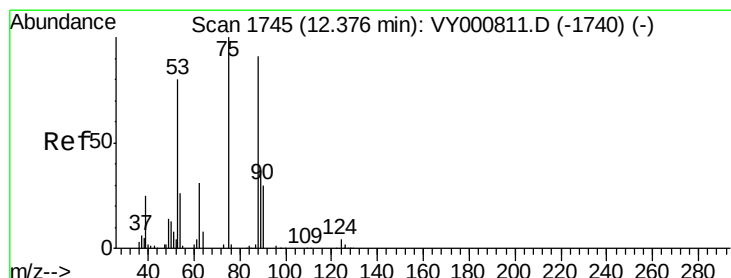
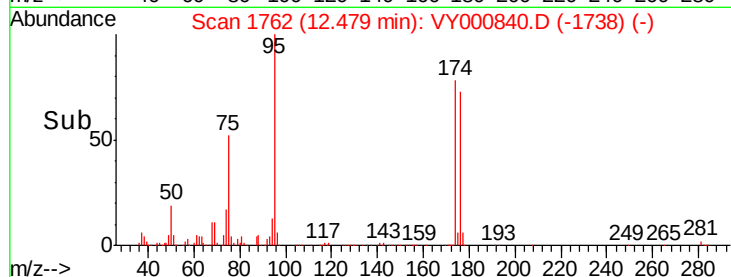
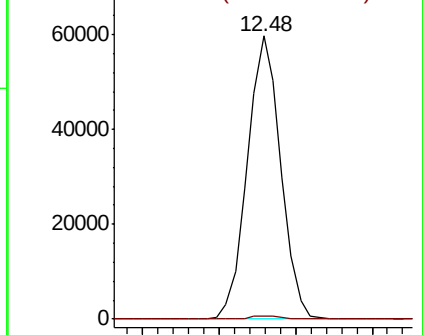
75 100

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: 93.794 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000840.D

Acq: 03 Dec 2019 13:53

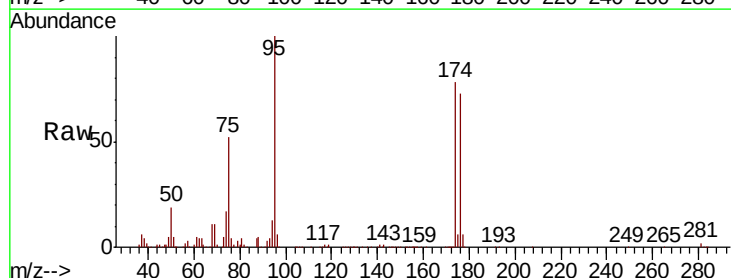
Tgt Ion: 75 Resp: 90592

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.1 33.6 50.4#



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

