

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000950.D
 Acq On : 16 Dec 2019 12:58
 Operator : SY/MD
 Sample : K6113-06
 Misc : 8.40G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-121319

Quant Time: Dec 17 06:04:18 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	253898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	472415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	419184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	178410	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	149158	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
35) Dibromofluoromethane	7.73	113	137915	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	10.18	98	561288	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.47	95	185368	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	

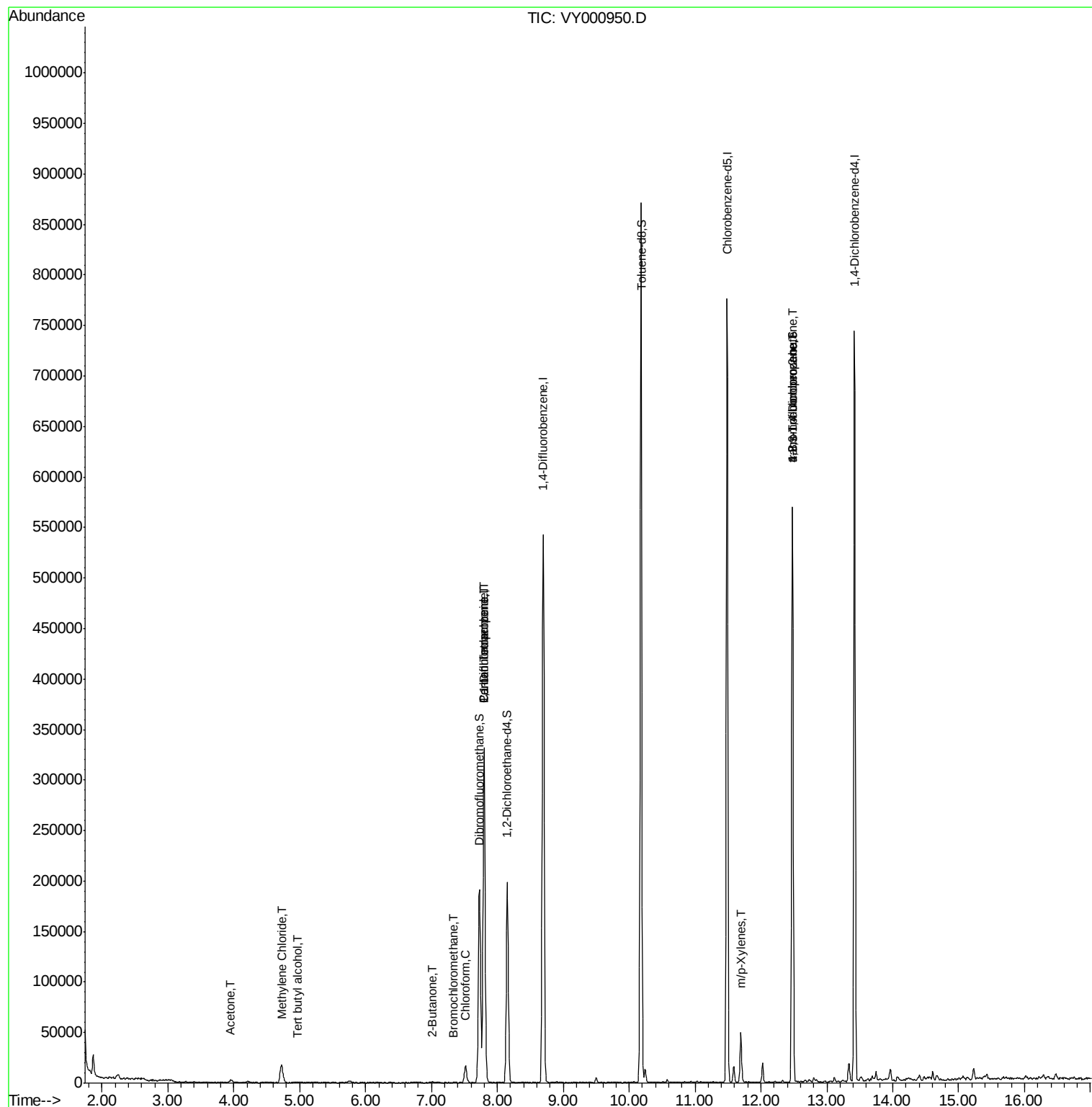
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	19	Below Cal	#	3
11) Tert butyl alcohol	4.96	59	463	1.706	ug/l #	74
16) Acetone	3.95	43	2804	4.531	ug/l	97
20) Methylene Chloride	4.72	84	13093	4.013	ug/l	91
25) 2-Butanone	7.00	43	1284	1.123	ug/l #	49
28) Bromochloromethane	7.34	49	59	2.044	ug/l #	15
30) Chloroform	7.52	83	15839	2.920	ug/l	96
36) 1,1-Dichloropropene	7.80	75	20246	4.310	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24520	5.862	ug/l #	15
68) m/p-Xylenes	11.69	106	15549	2.553	ug/l	92
76) 1,2,3-Trichloropropane	12.48	75	91906	45.467	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91906	89.311	ug/l #	17

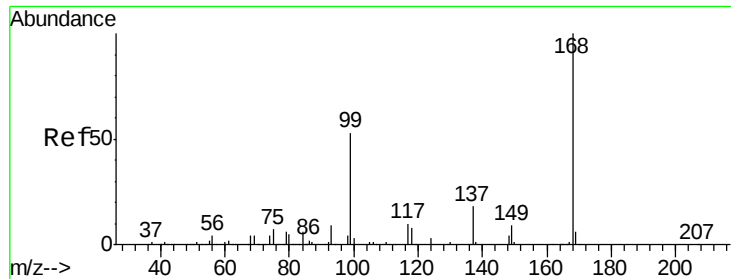
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

Instrument :

MSVOA_Y

ClientSampleId :

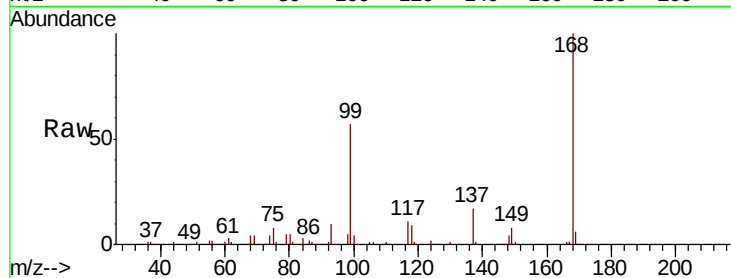
OR-02-121319

Tgt Ion: 168 Resp: 253898

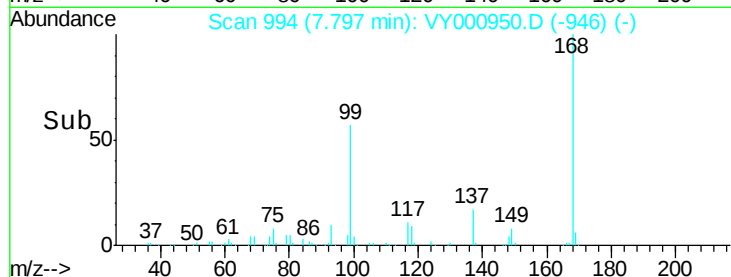
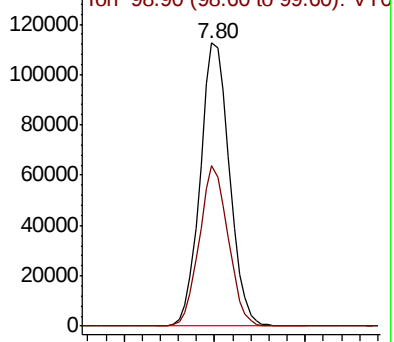
Ion Ratio Lower Upper

168 100

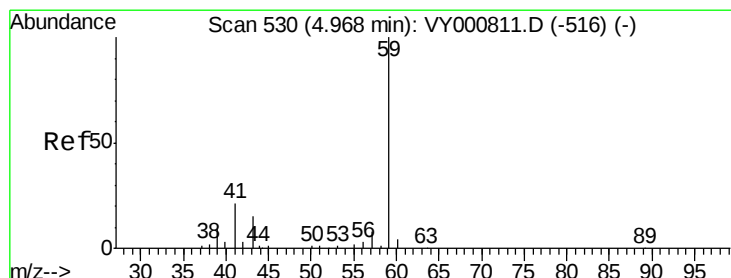
99 56.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000950.D (-946) (-)



Time-->



#11

Tert butyl alcohol

Concen: 1.706 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000950.D

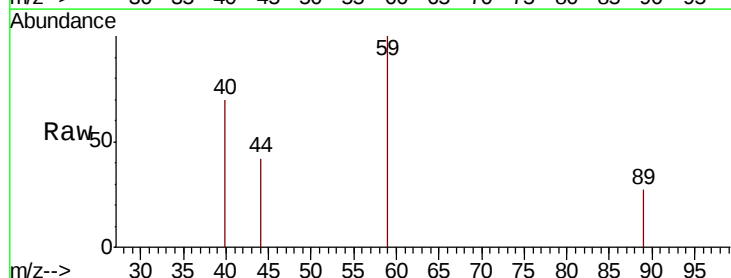
Acq: 16 Dec 2019 12:58

Tgt Ion: 59 Resp: 463

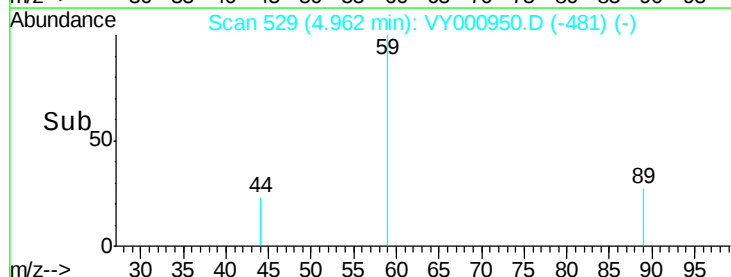
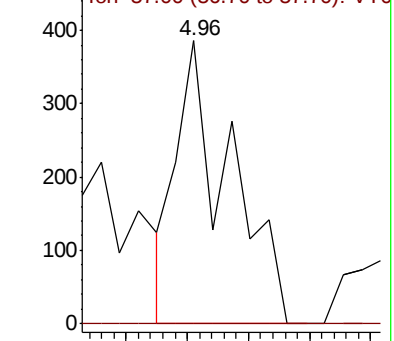
Ion Ratio Lower Upper

59 100

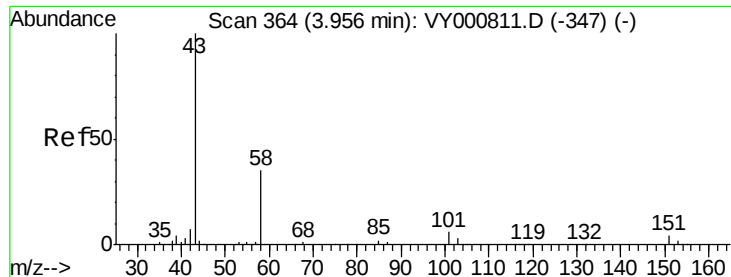
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000950.D (-481) (-)



Time-->



#16

Acetone

Concen: 4.531 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

Instrument :

MSVOA_Y

ClientSampleId :

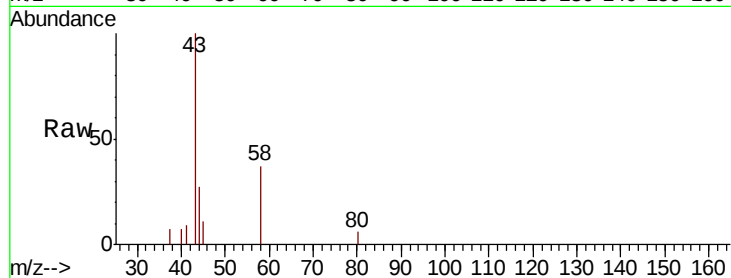
OR-02-121319

Tgt Ion: 43 Resp: 2804

Ion Ratio Lower Upper

43 100

58 36.7 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

2000

1500

1000

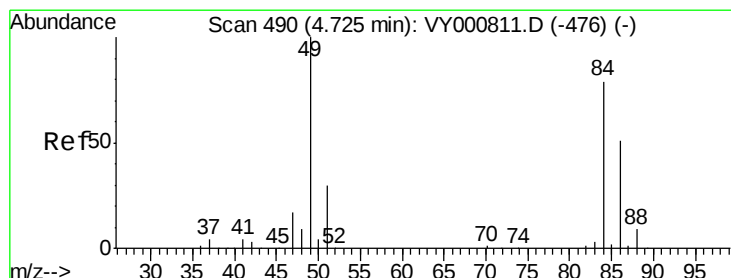
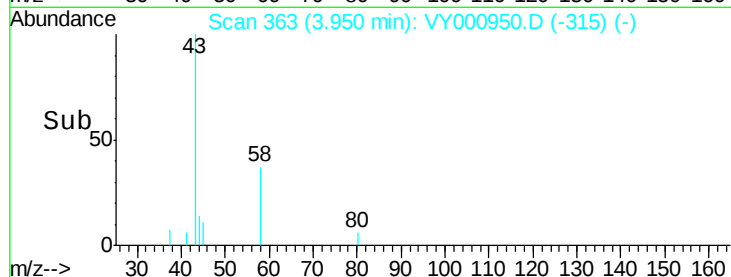
500

0

Time-->

3.90

3.95



#20

Methylene Chloride

Concen: 4.013 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

Tgt Ion: 84 Resp: 13093

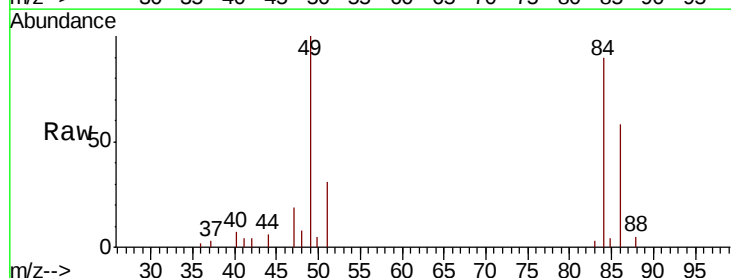
Ion Ratio Lower Upper

84 100

49 110.6 101.3 151.9

51 33.9 30.6 45.8

86 63.7 51.3 76.9



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

8000

6000

4000

2000

0

Time-->

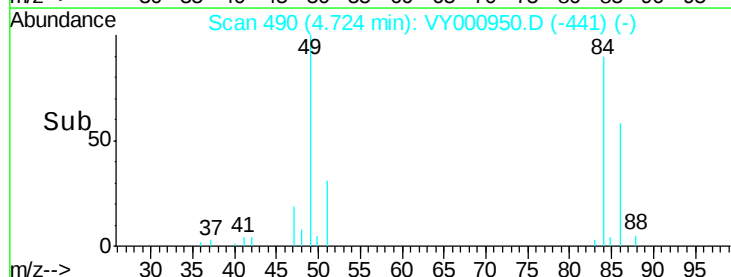
4.60

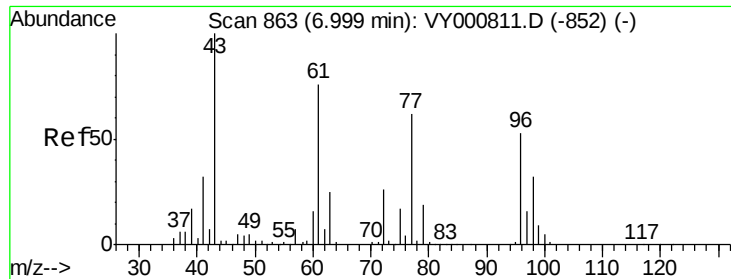
4.65

4.70

4.75

4.80

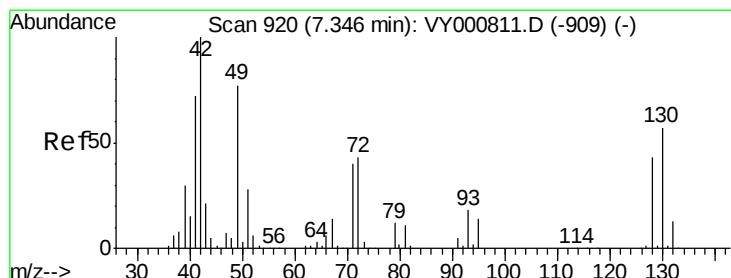
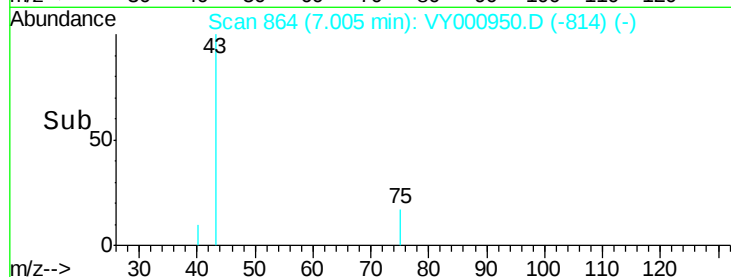
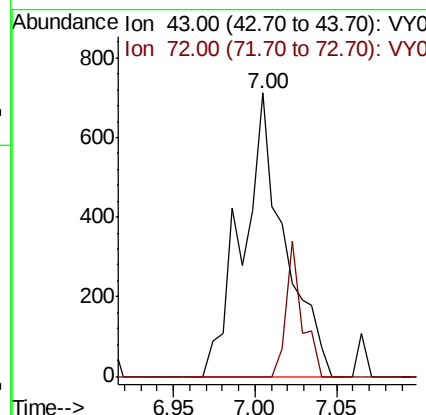
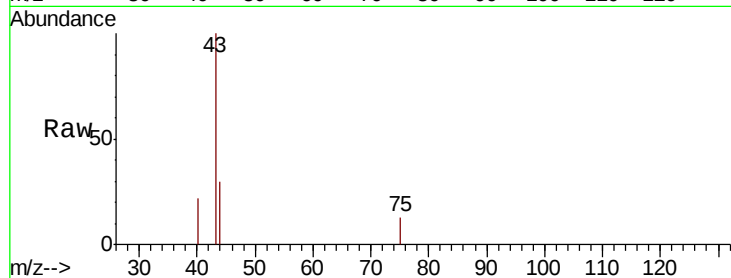




#25
 2-Butanone
 Concen: 1.123 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000950.D
 Acq: 16 Dec 2019 12:58

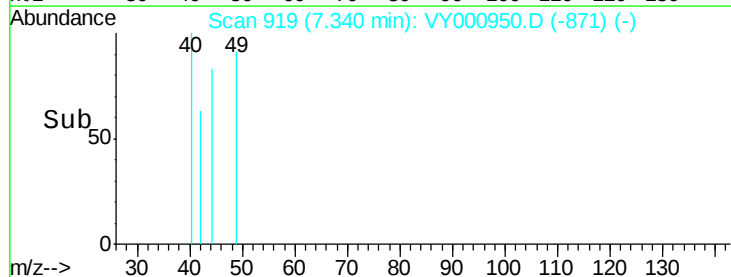
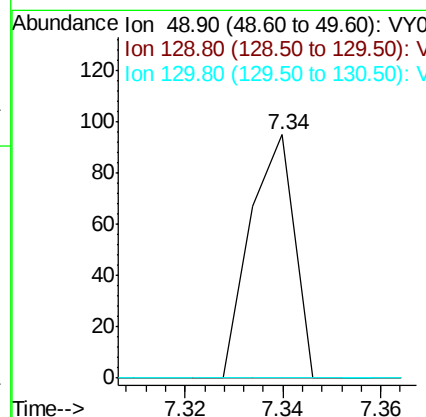
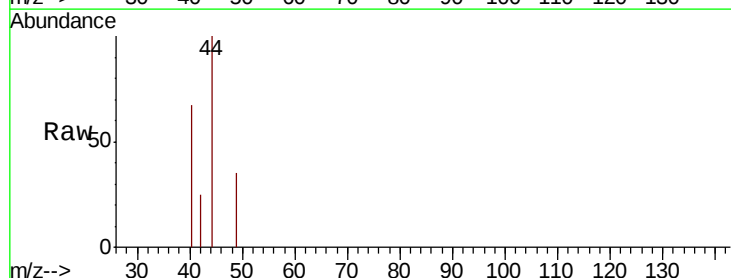
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-121319

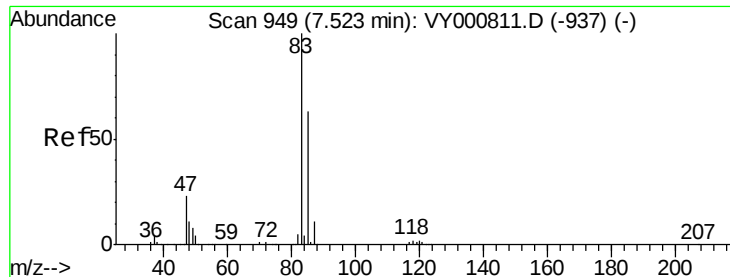
Tgt Ion: 43 Resp: 1284
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.0 31.4#



#28
 Bromochloromethane
 Concen: 2.044 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY000950.D
 Acq: 16 Dec 2019 12:58

Tgt Ion: 49 Resp: 59
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 58.7 88.1#

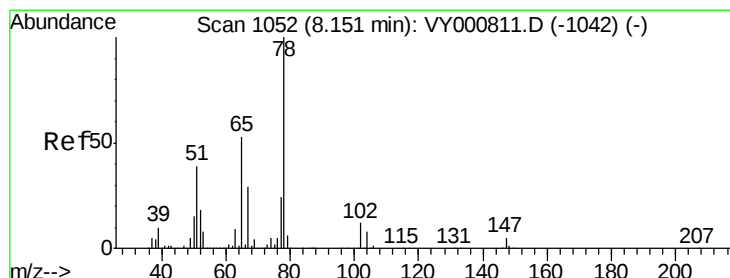
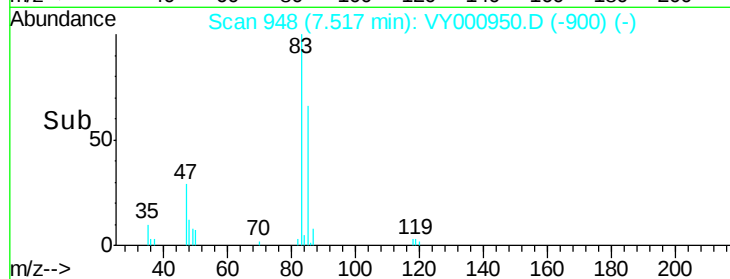
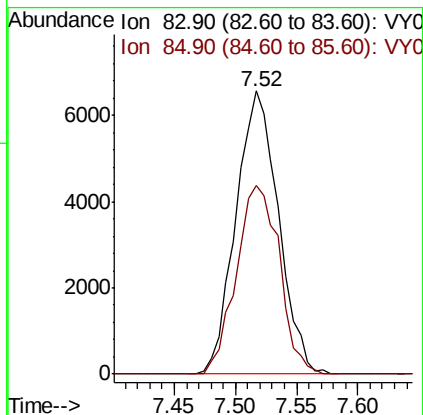
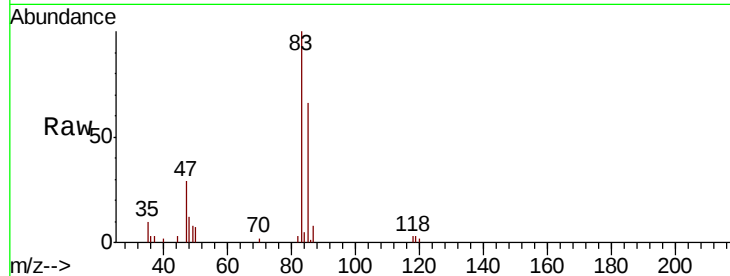




#30
Chloroform
Concen: 2.920 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000950.D
Acq: 16 Dec 2019 12:58

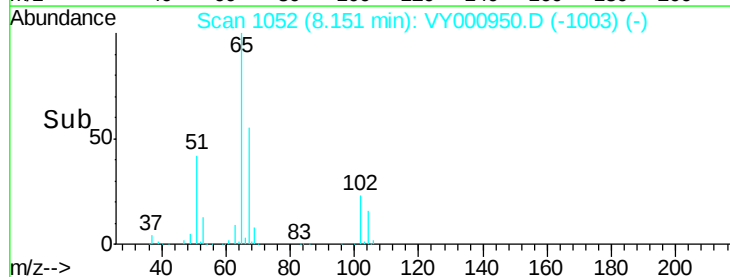
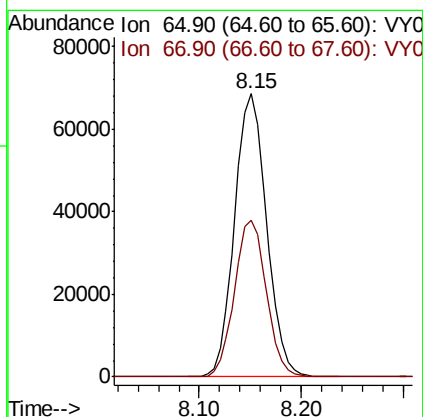
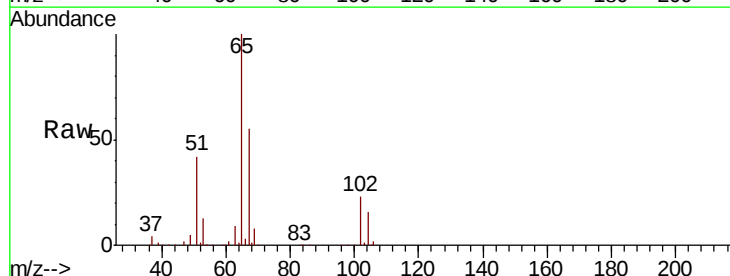
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-121319

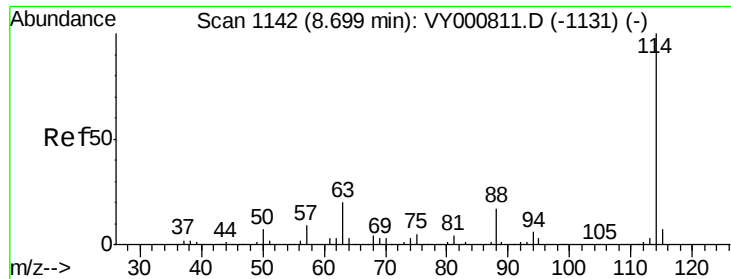
Tgt Ion: 83 Resp: 15839
Ion Ratio Lower Upper
83 100
85 66.5 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 55.287 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000950.D
Acq: 16 Dec 2019 12:58

Tgt Ion: 65 Resp: 149158
Ion Ratio Lower Upper
65 100
67 54.9 0.0 112.0

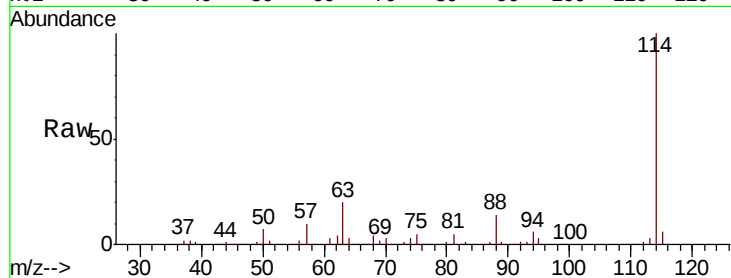




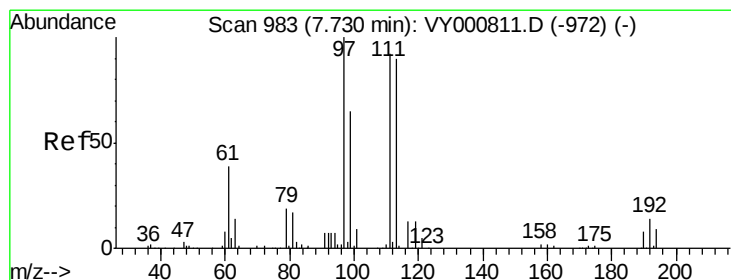
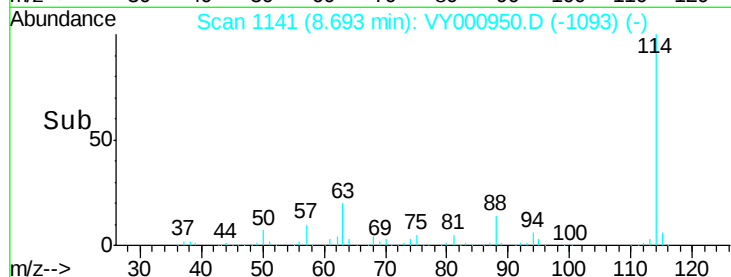
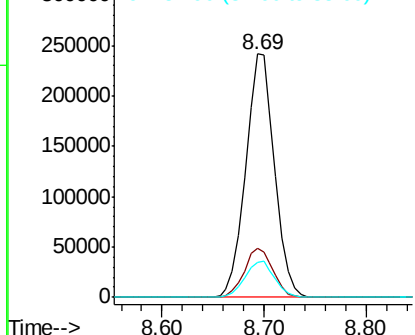
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000950.D
 Acq: 16 Dec 2019 12:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-121319

Tgt Ion:114 Resp: 472415
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 14.4 0.0 33.2

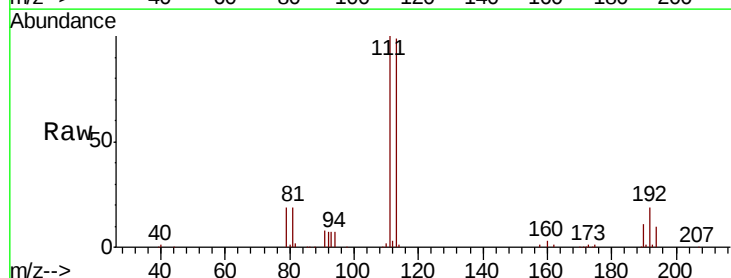


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

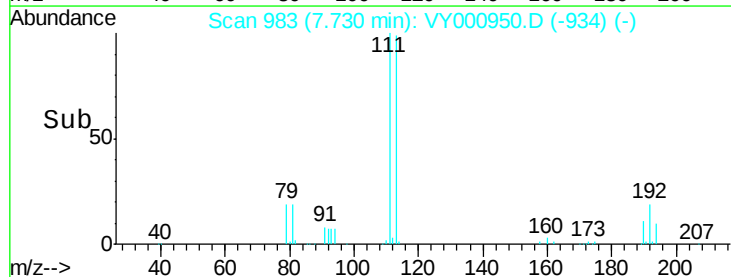
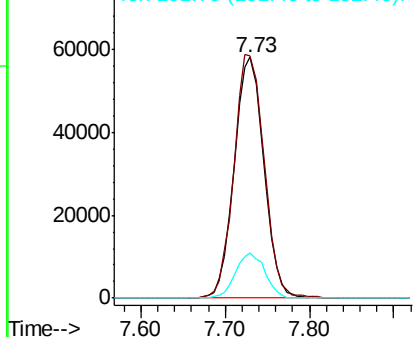


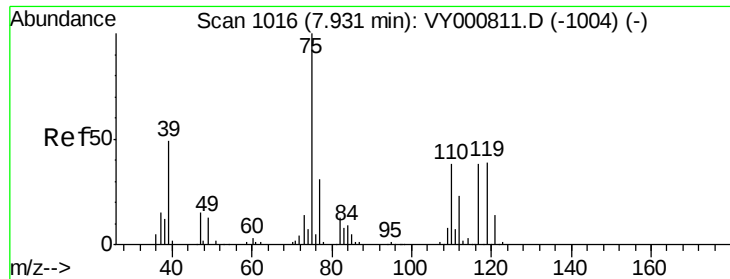
#35
 Dibromofluoromethane
 Concen: 50.092 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000950.D
 Acq: 16 Dec 2019 12:58

Tgt Ion:113 Resp: 137915
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.4 123.6
 192 18.7 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

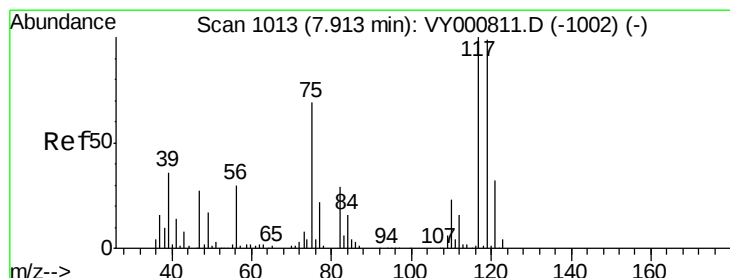
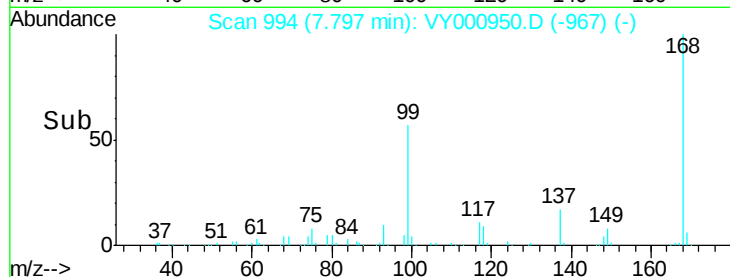
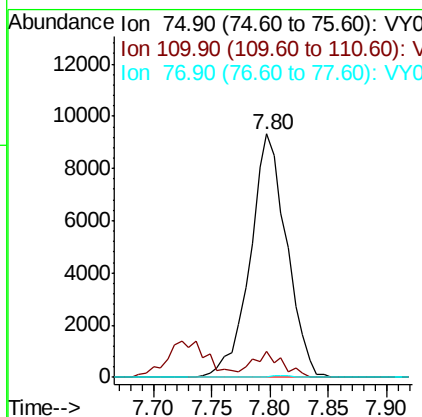
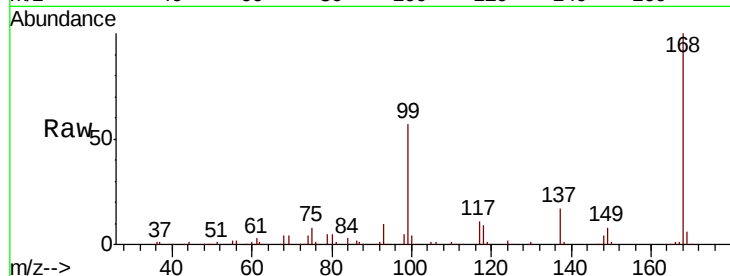




#36
 1,1-Dichloropropene
 Concen: 4.310 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000950.D
 Acq: 16 Dec 2019 12:58

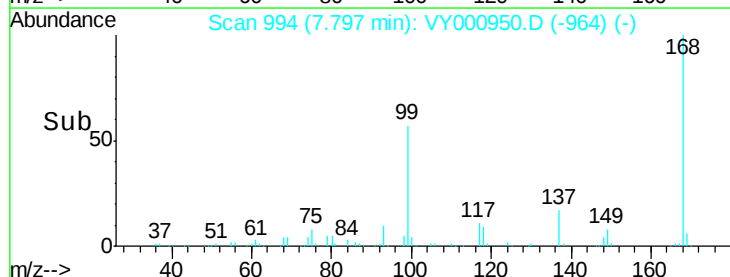
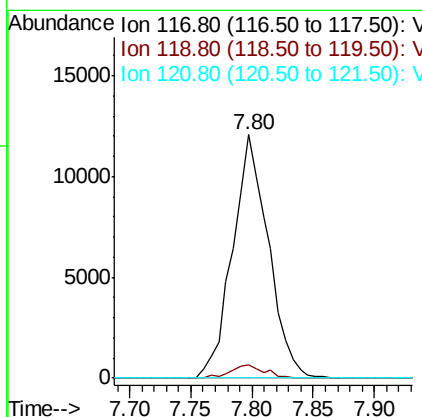
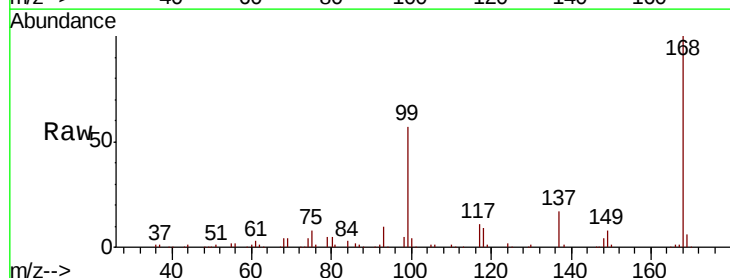
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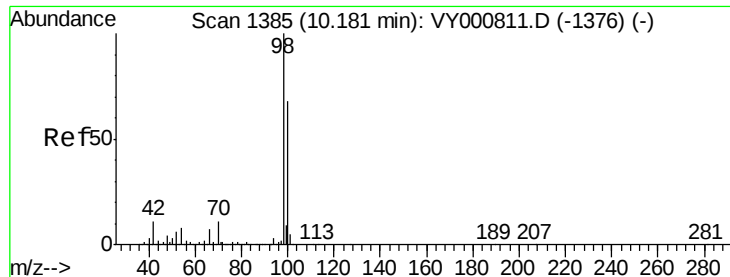
Tgt Ion: 75 Resp: 20246
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.9 53.7#
 77 0.4 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.862 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000950.D
 Acq: 16 Dec 2019 12:58

Tgt Ion: 117 Resp: 24520
 Ion Ratio Lower Upper
 117 100
 119 5.5 79.3 118.9#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.992 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

Instrument :

MSVOA_Y

ClientSampleId :

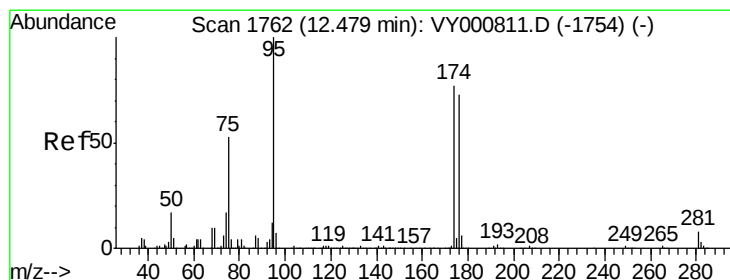
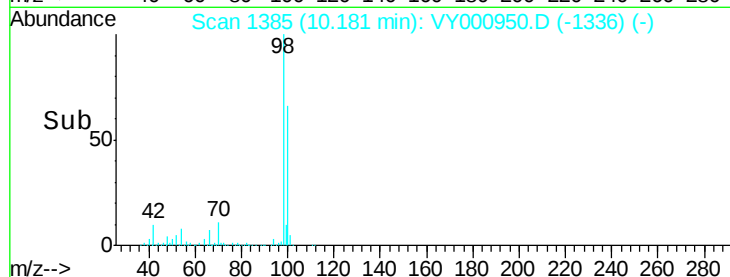
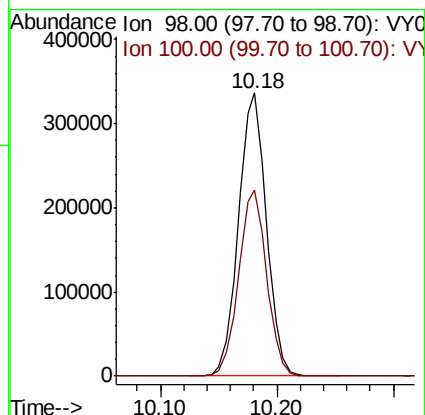
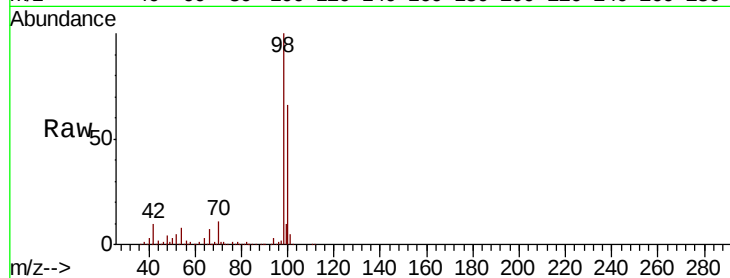
OR-02-121319

Tgt Ion: 98 Resp: 561288

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.842 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

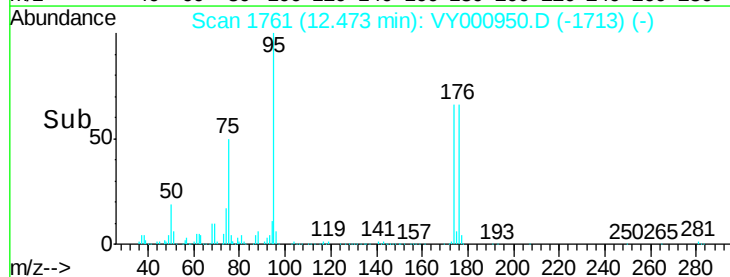
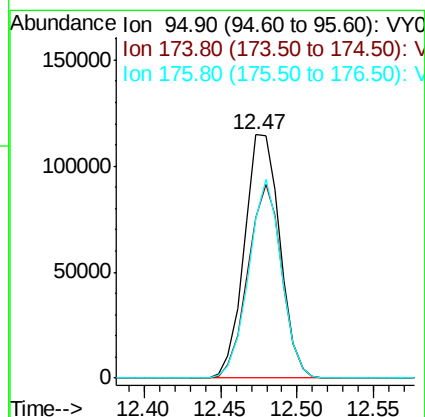
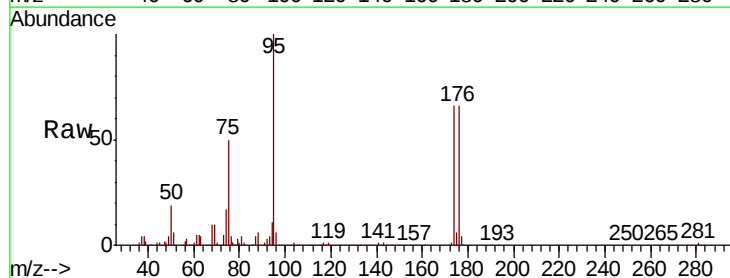
Tgt Ion: 95 Resp: 185368

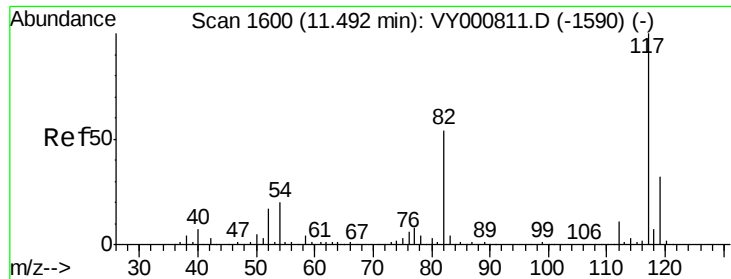
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

176 74.9 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-121319

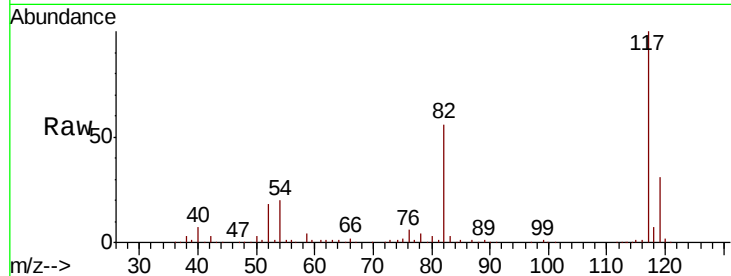
Tgt Ion:117 Resp: 419184

Ion Ratio Lower Upper

117 100

82 56.5 43.1 64.7

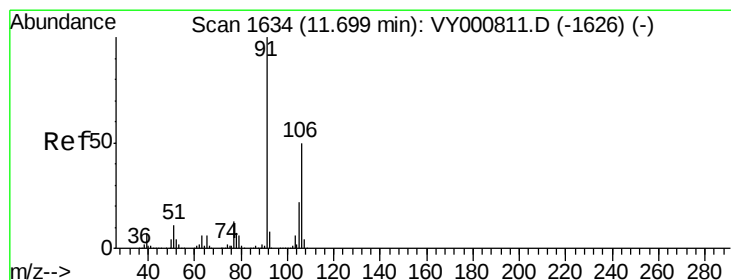
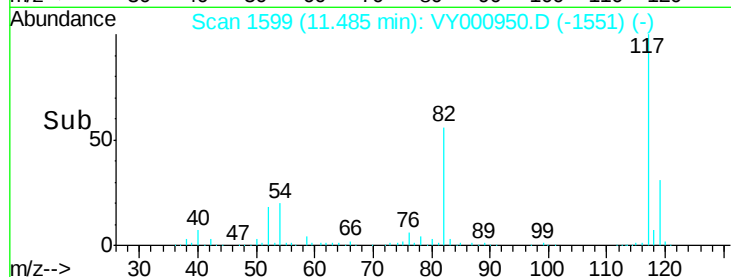
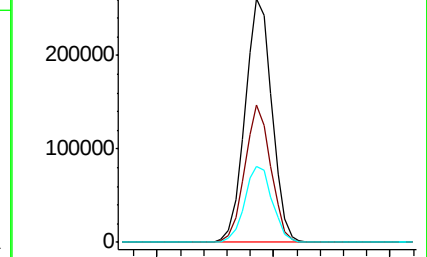
119 31.3 25.3 37.9



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



#68

m/p-Xylenes

Concen: 2.553 ug/l

RT: 11.69 min Scan# 1633

Delta R.T. -0.01 min

Lab File: VY000950.D

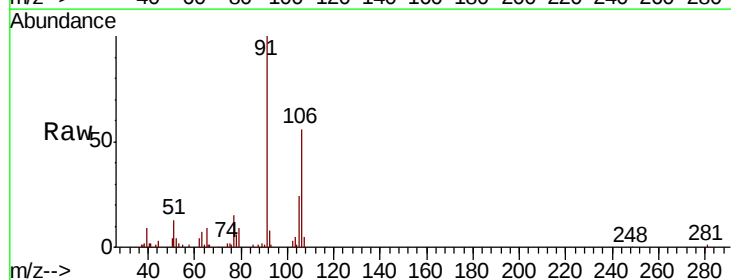
Acq: 16 Dec 2019 12:58

Tgt Ion:106 Resp: 15549

Ion Ratio Lower Upper

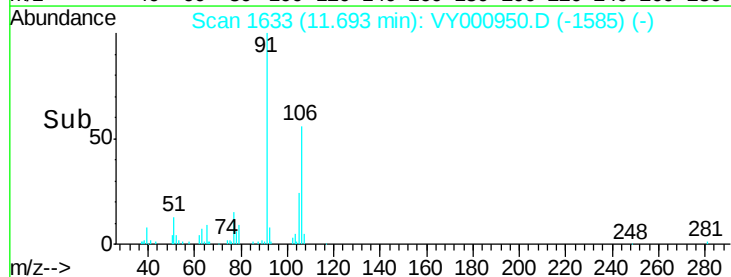
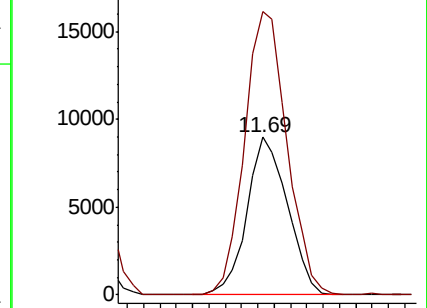
106 100

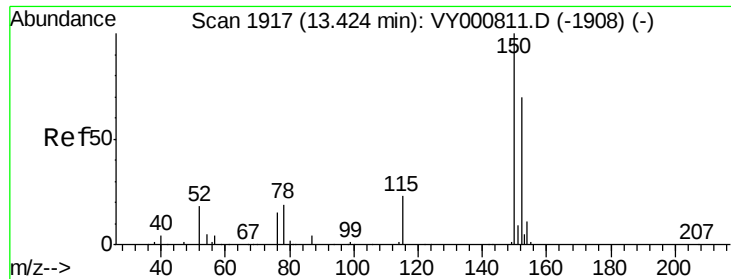
91 187.5 159.6 239.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-121319

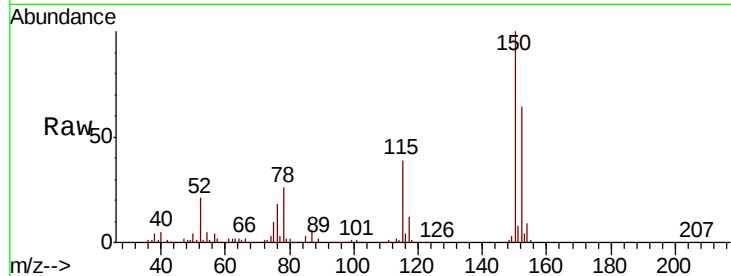
Tgt Ion:152 Resp: 178410

Ion Ratio Lower Upper

152 100

115 60.7 29.3 87.8

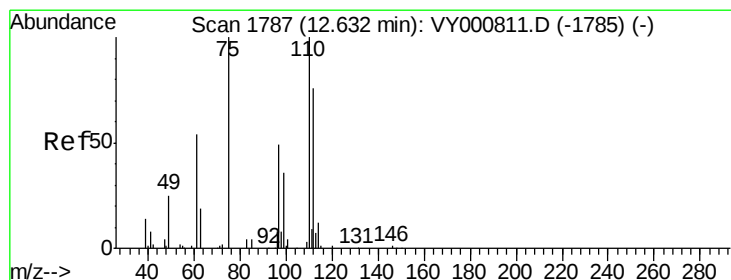
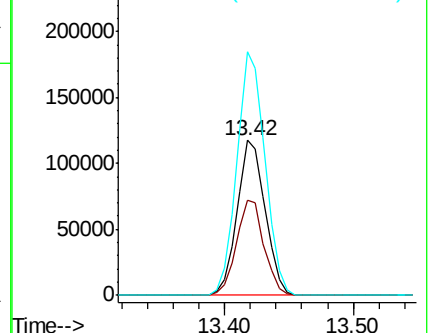
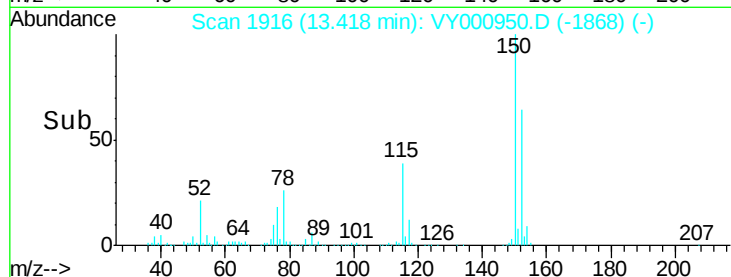
150 157.6 0.0 351.2



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: 45.467 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000950.D

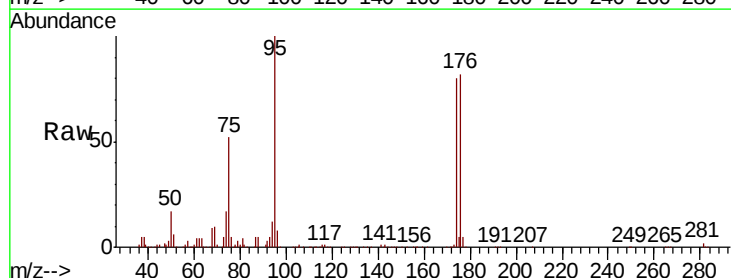
Acq: 16 Dec 2019 12:58

Tgt Ion: 75 Resp: 91906

Ion Ratio Lower Upper

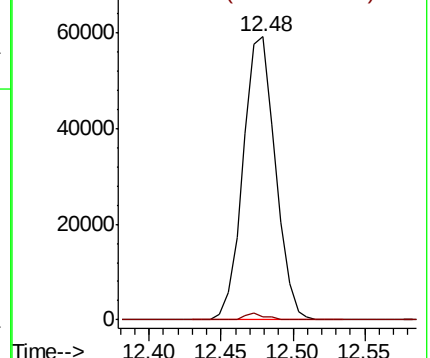
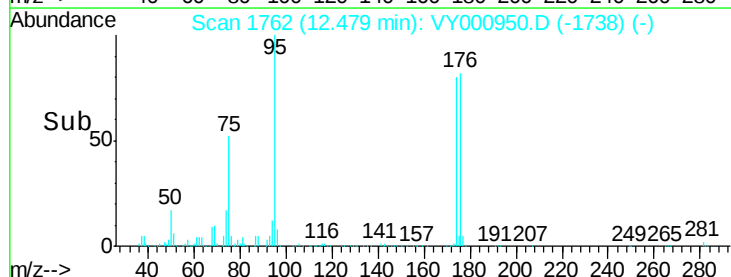
75 100

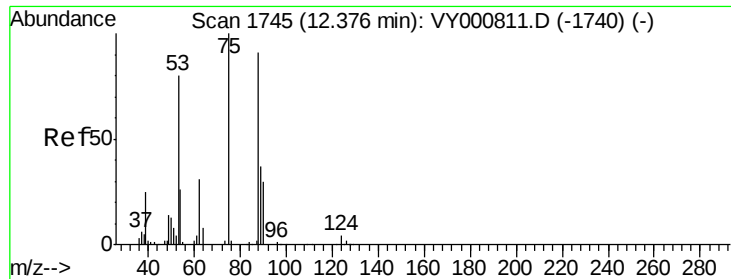
77 1.5 0.0 0.0#



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: 89.311 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000950.D

Acq: 16 Dec 2019 12:58

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-121319

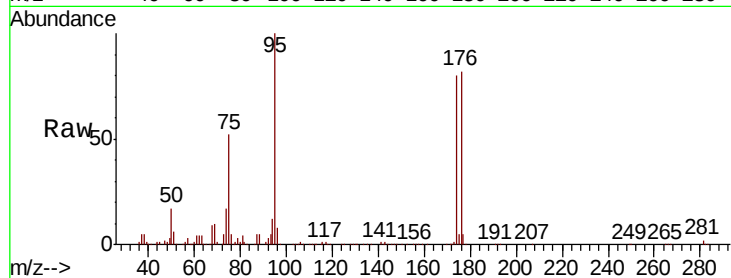
Tgt Ion: 75 Resp: 91906

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 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

