

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
 Data File : VY000915.D
 Acq On : 09 Dec 2019 16:26
 Operator : SY/MD
 Sample : K6204-01
 Misc : 6.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 06:25:21 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	265051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	485639	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	436104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	191028	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	156901	55.71	ug/l	0.00
Spiked Amount						
			Recovery	=	111.42%	
35) Dibromofluoromethane	7.72	113	141611	50.03	ug/l	-0.01
Spiked Amount						
			Recovery	=	100.06%	
50) Toluene-d8	10.17	98	577252	51.01	ug/l	0.00
Spiked Amount						
			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.48	95	190413	44.81	ug/l	0.00
Spiked Amount						
			Recovery	=	89.62%	

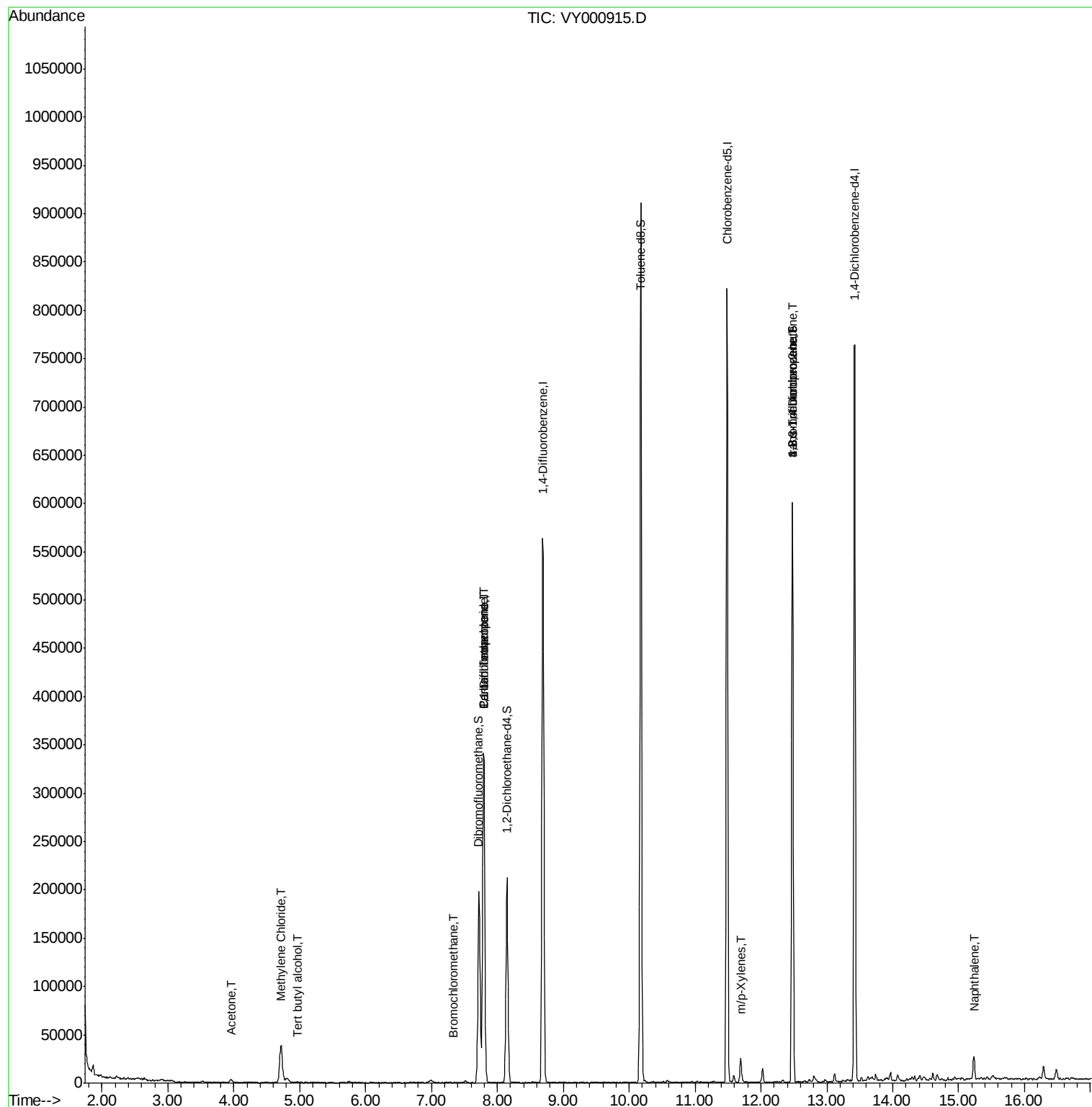
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	133	Below Cal	#	60
11) Tert butyl alcohol	4.96	59	327	1.154	ug/l #	74
16) Acetone	3.96	43	4739	7.335	ug/l #	68
20) Methylene Chloride	4.72	84	28758	8.444	ug/l #	87
28) Bromochloromethane	7.34	49	19	2.024	ug/l #	15
36) 1,1-Dichloropropene	7.79	75	21943	4.544	ug/l #	49
38) Carbon Tetrachloride	7.80	117	27511	6.397	ug/l #	14
68) m/p-Xylenes	11.69	106	7664	1.209	ug/l	96
76) 1,2,3-Trichloropropane	12.47	75	97676	45.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	97676	88.648	ug/l #	17
95) Naphthalene	15.23	128	19205	2.101	ug/l #	96

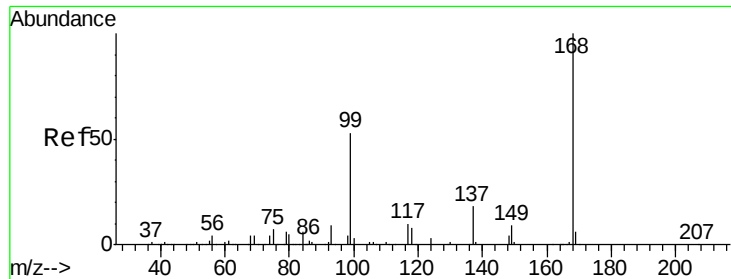
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000915.D

Acq: 09 Dec 2019 16:26

Instrument :

MSVOA_Y

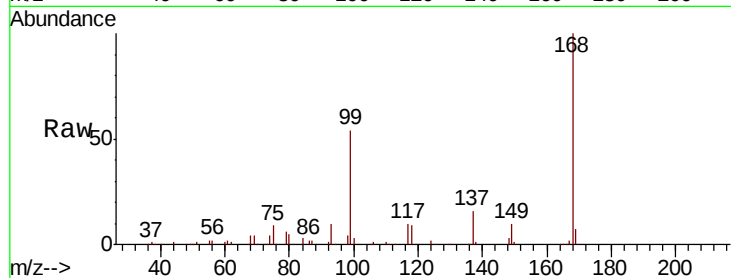
ClientSampleId :

Tot Ion:168 Resp: 265051

Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000915.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000915.D (-946) (-)

7.80

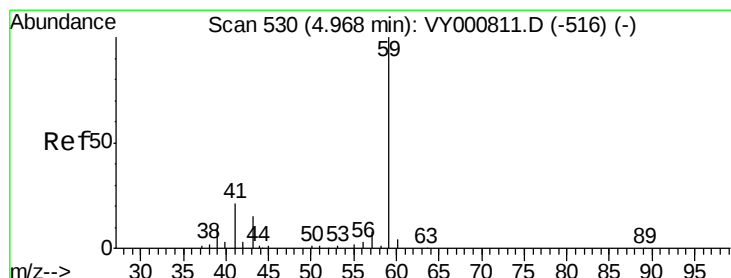
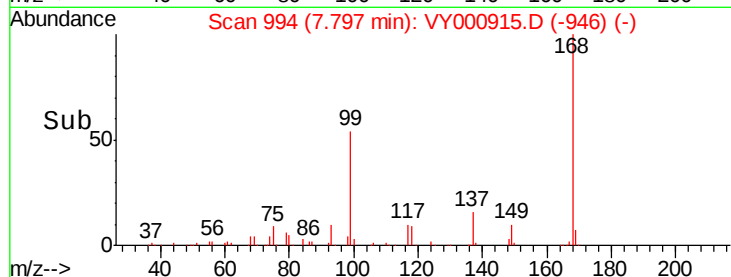
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 1.154 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY000915.D

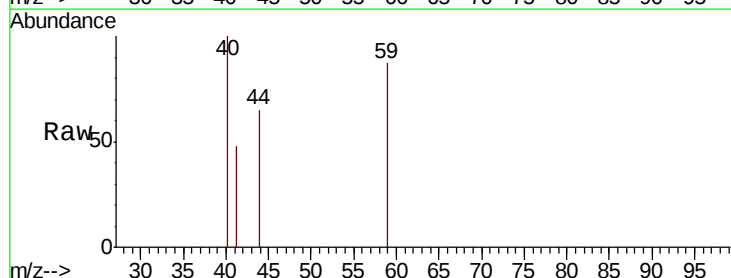
Acq: 09 Dec 2019 16:26

Tgt Ion: 59 Resp: 327

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000915.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000915.D (-481) (-)

4.96

250

200

150

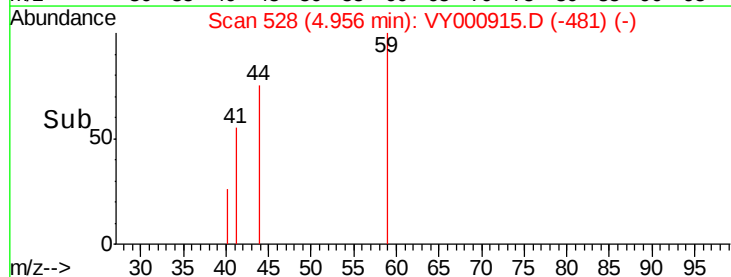
100

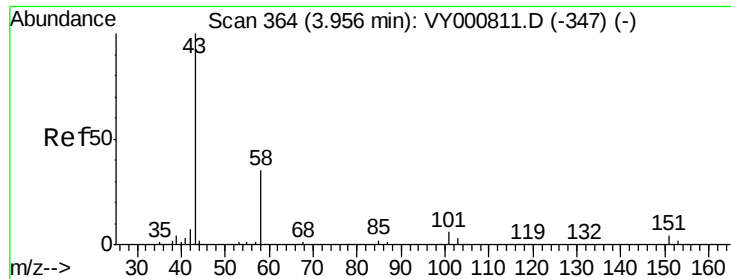
50

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 7.335 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

Instrument :

MSVOA_Y

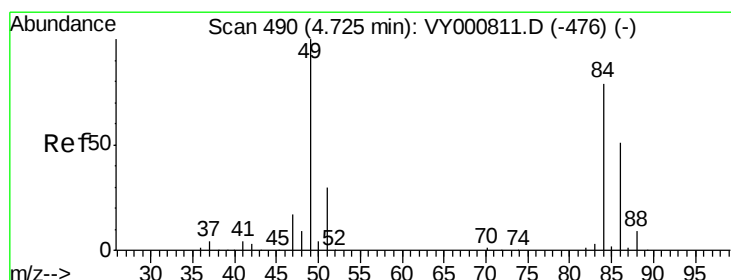
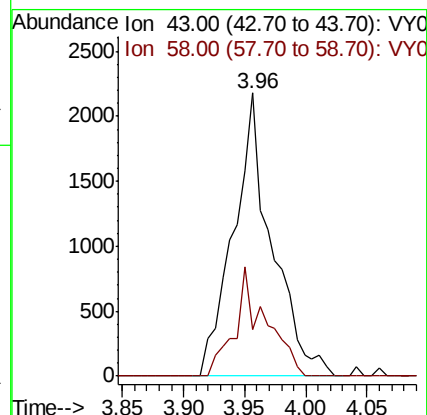
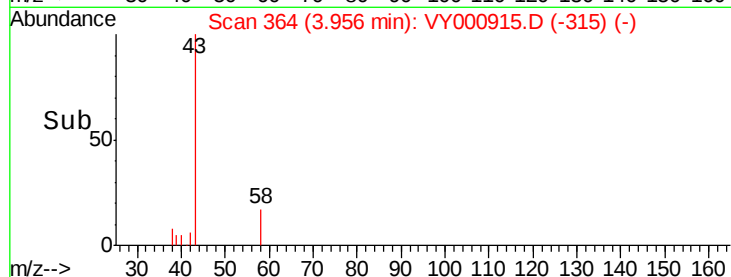
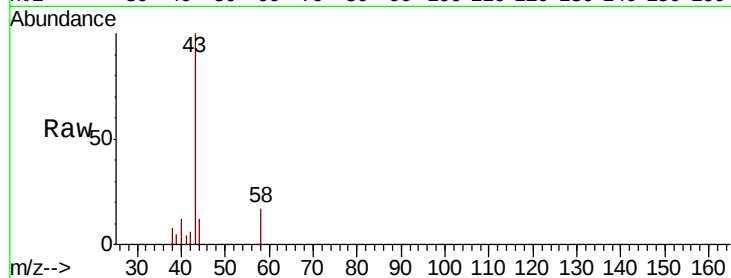
ClientSampleId :

Tot Ion: 43 Resp: 4739

Ion Ratio Lower Upper

43 100

58 16.6 28.0 42.0#



#20

Methylene Chloride

Concen: 8.444 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

Tgt Ion: 84 Resp: 28758

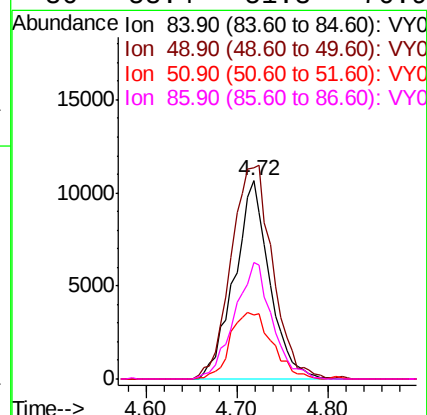
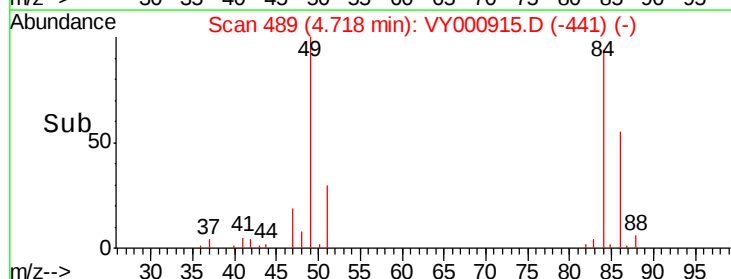
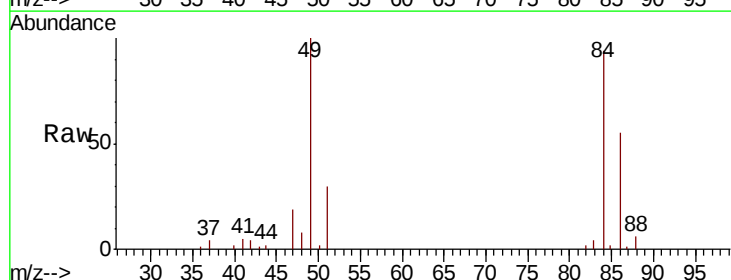
Ion Ratio Lower Upper

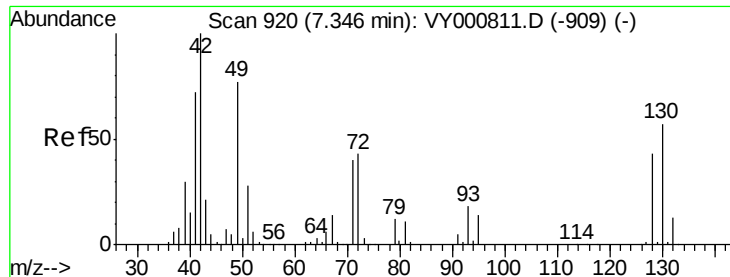
84 100

49 106.6 101.3 151.9

51 32.3 30.6 45.8

86 58.4 51.3 76.9





#28

Bromochloromethane

Concen: 2.024 ug/l

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

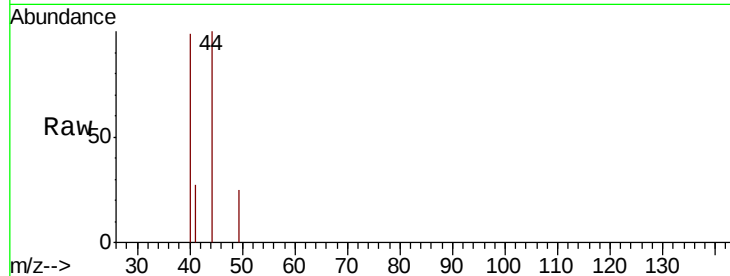
Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 19

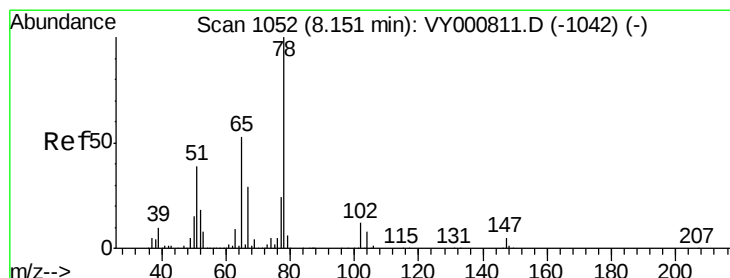
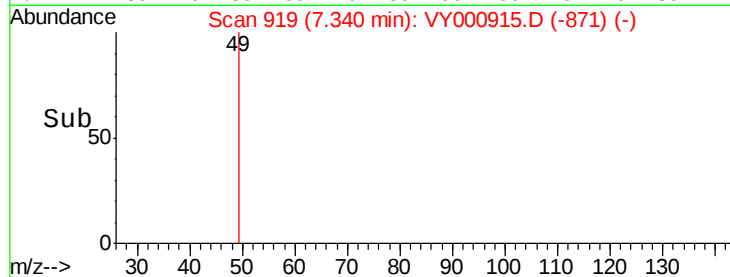
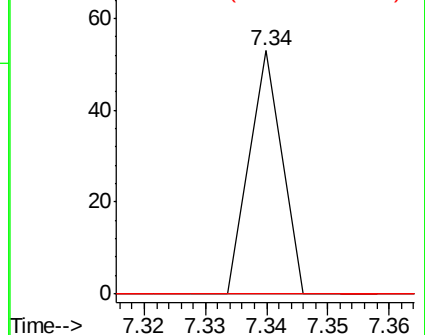
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	58.7	88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 55.710 ug/l

RT: 8.14 min Scan# 1051

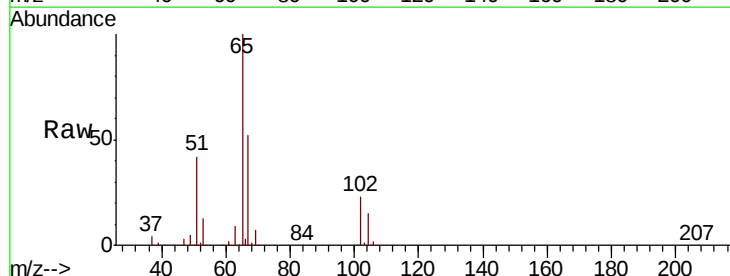
Delta R.T. -0.01 min

Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

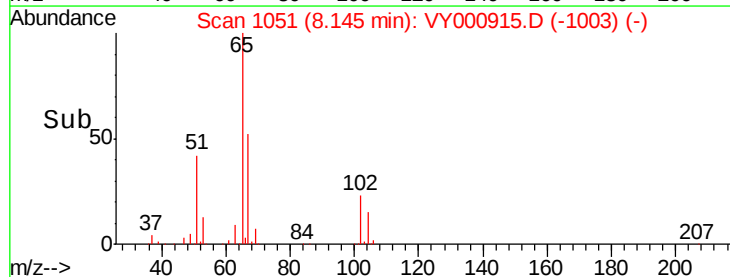
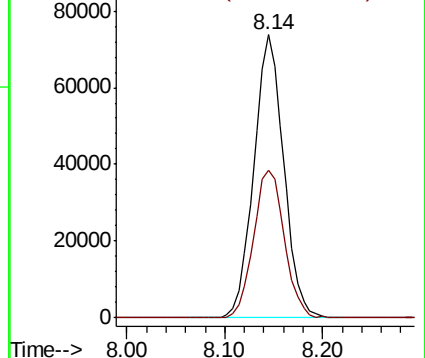
Tgt Ion: 65 Resp: 156901

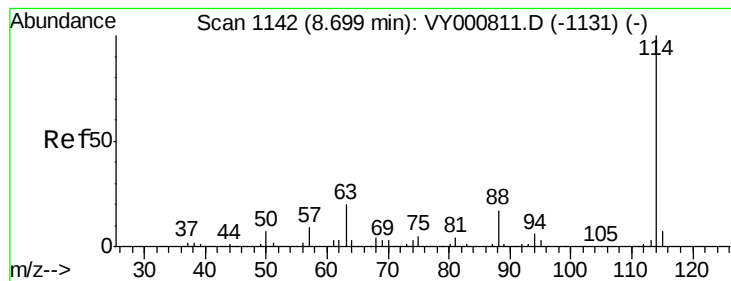
Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	112.0



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: 8.69 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

Instrument :
MSVOA_Y
ClientSampleId :

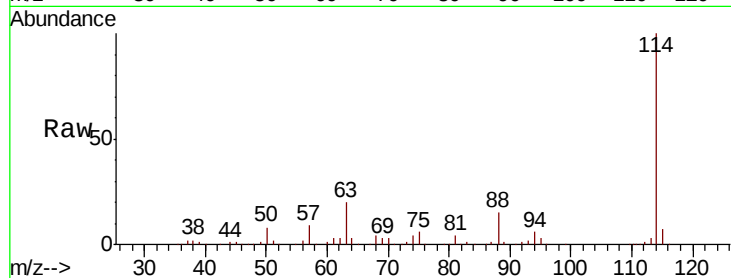
Tot Ion:114 Resp: 485639

Ion Ratio Lower Upper

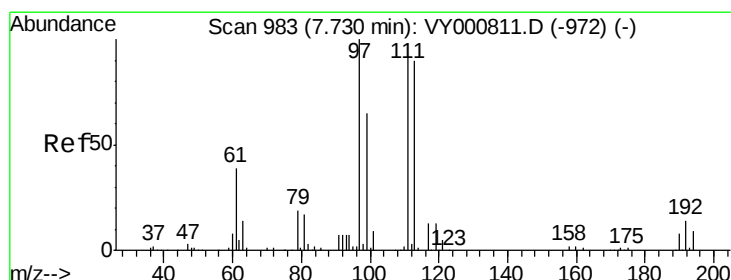
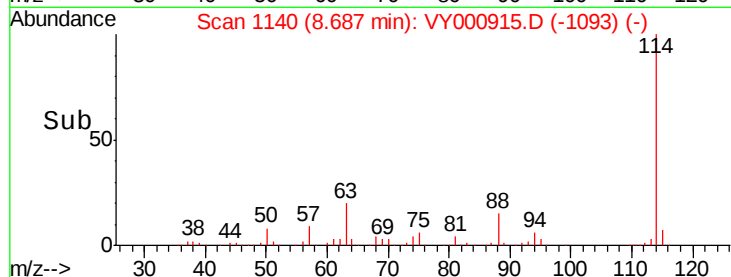
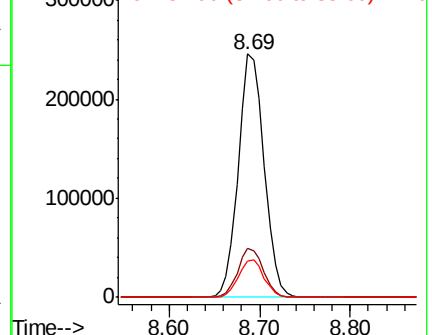
114 100

63 20.4 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: 50.034 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

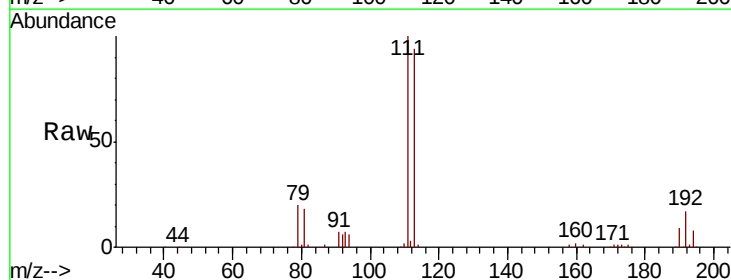
Tgt Ion:113 Resp: 141611

Ion Ratio Lower Upper

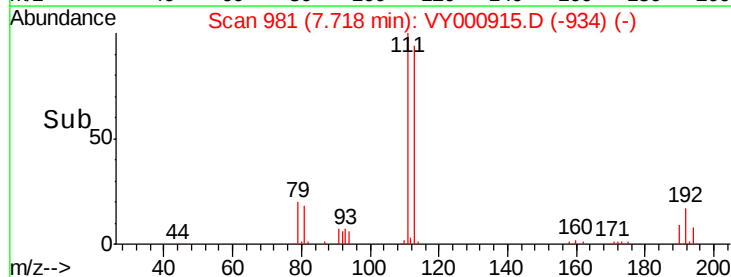
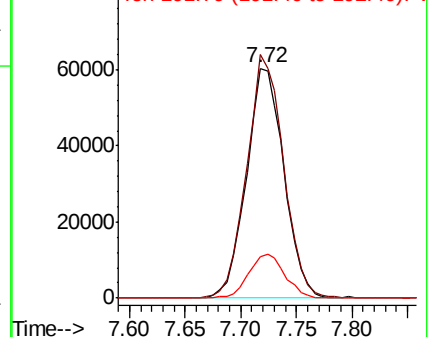
113 100

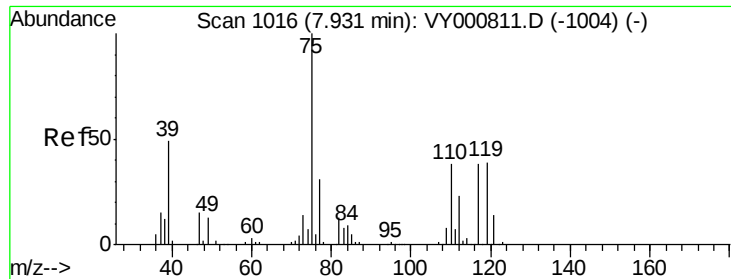
111 104.3 82.4 123.6

192 18.5 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

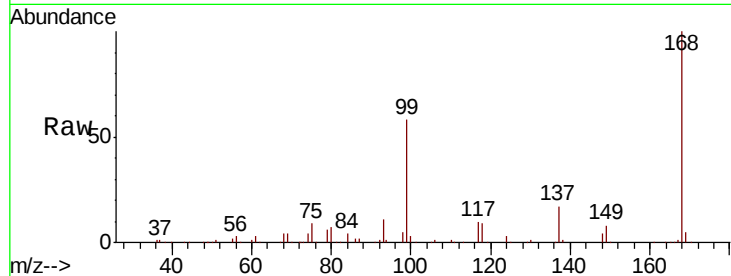




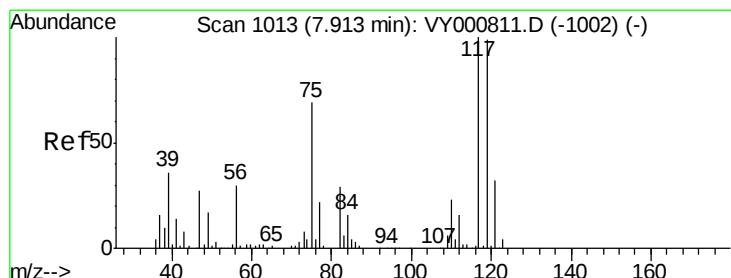
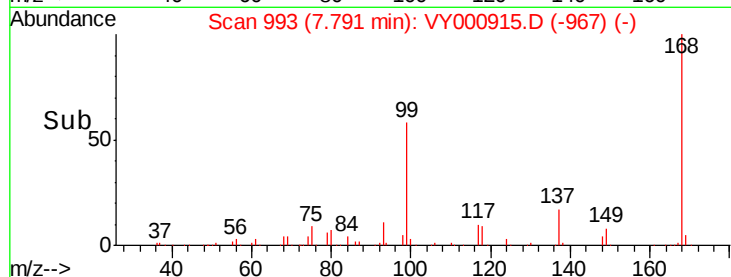
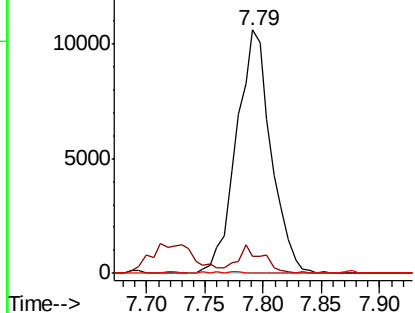
#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY000915.D
 Acq: 09 Dec 2019 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	21943
Ion Ratio	Lower	Upper	
75	100		
110	8.5	17.9	53.7#
77	0.4	24.7	37.1#

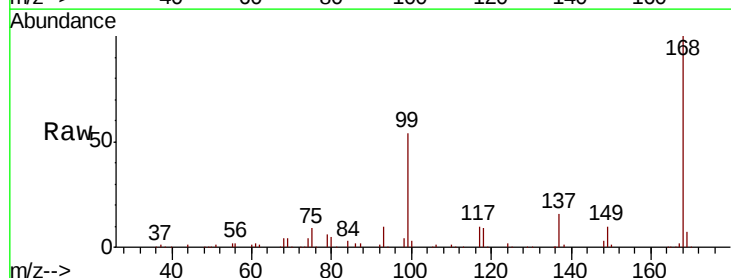


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

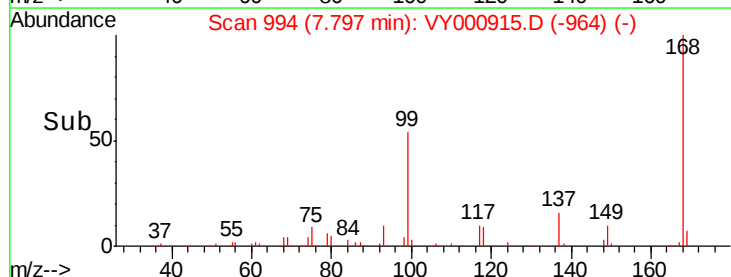
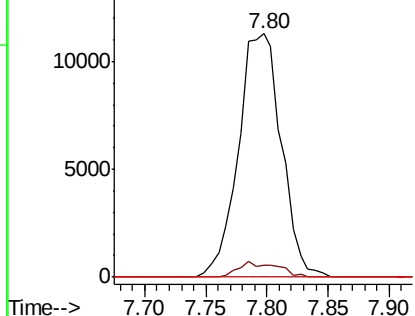


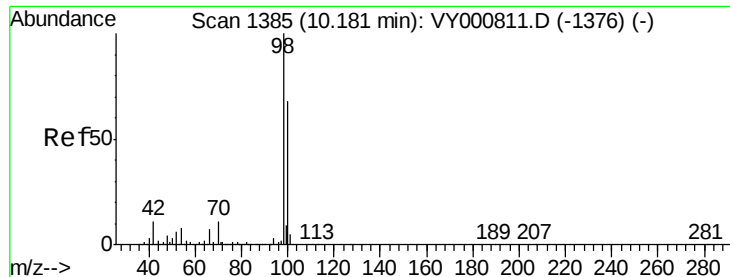
#38
 Carbon Tetrachloride
 Concen: 6.397 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000915.D
 Acq: 09 Dec 2019 16:26

Tgt Ion	117	Resp	27511
Ion Ratio	Lower	Upper	
117	100		
119	4.8	79.3	118.9#
121	0.0	25.5	38.3#



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

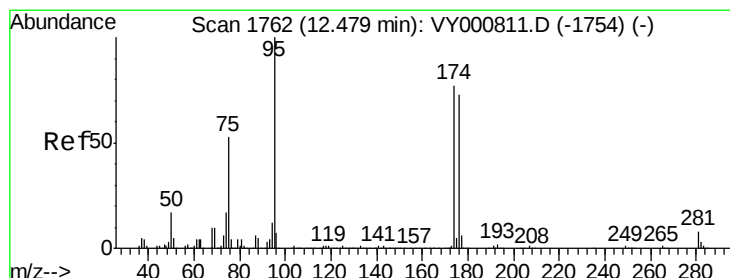
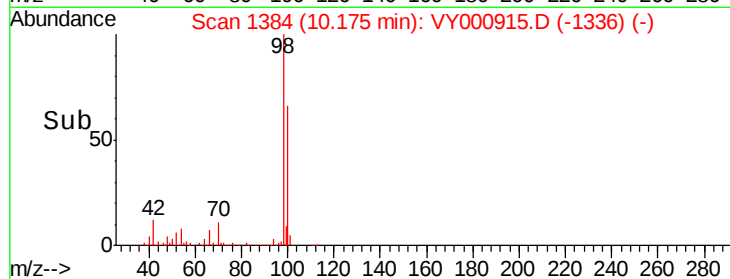
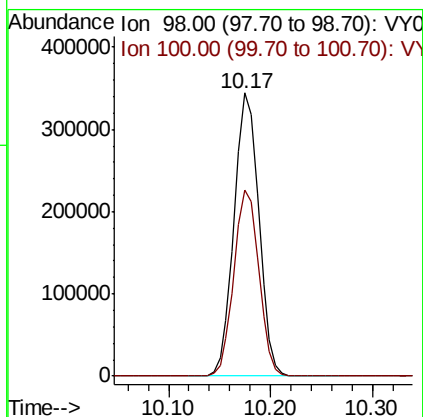
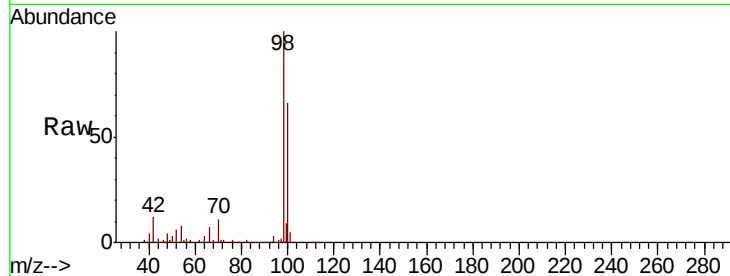




#50
Toluene-d8
Concen: 51.015 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY000915.D
Acq: 09 Dec 2019 16:26

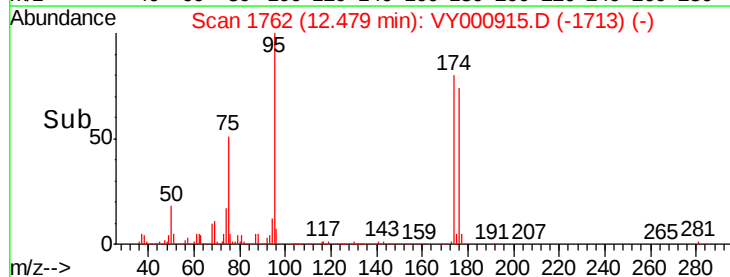
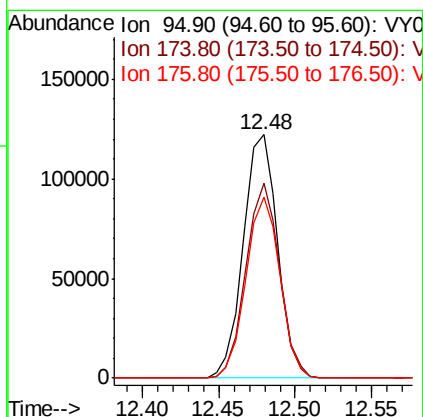
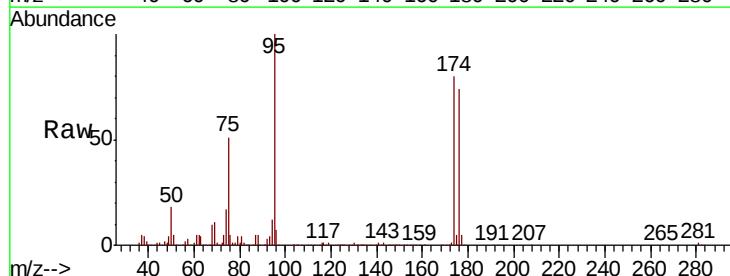
Instrument :
MSVOA_Y
ClientSampleId :

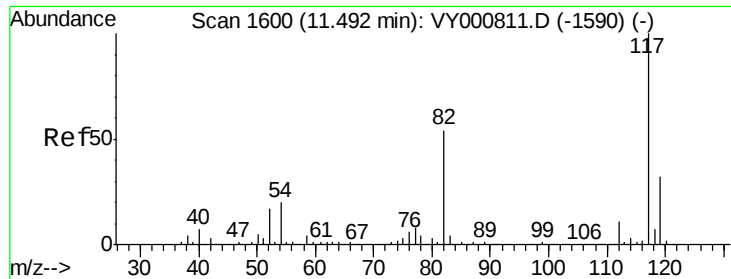
Tot Ion: 98 Resp: 577252
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.808 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000915.D
Acq: 09 Dec 2019 16:26

Tgt Ion: 95 Resp: 190413
Ion Ratio Lower Upper
95 100
174 78.6 0.0 150.6
176 73.9 0.0 145.2

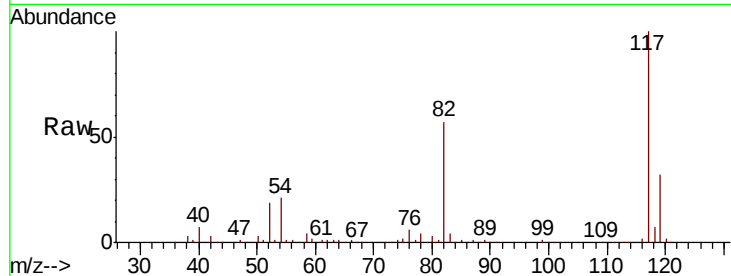




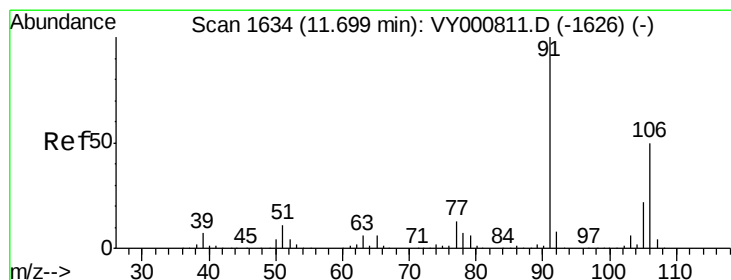
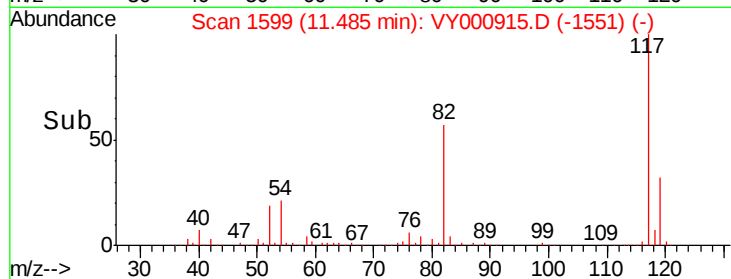
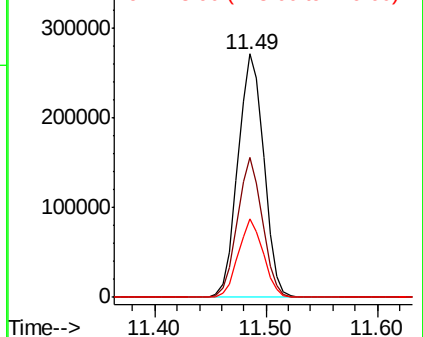
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000915.D
Acq: 09 Dec 2019 16:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 436104
Ion Ratio Lower Upper
117 100
82 57.4 43.1 64.7
119 32.3 25.3 37.9

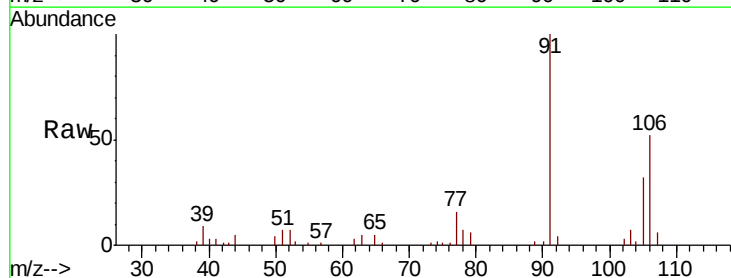


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

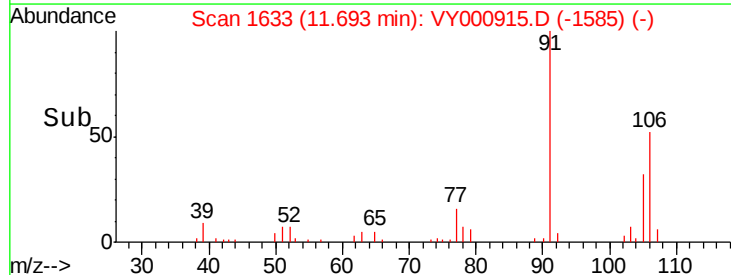
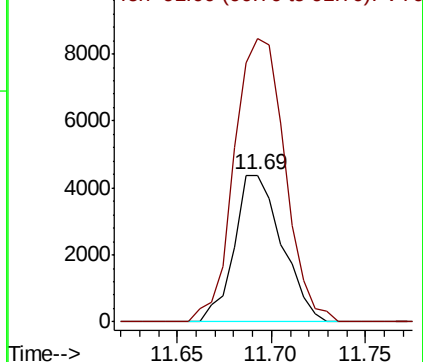


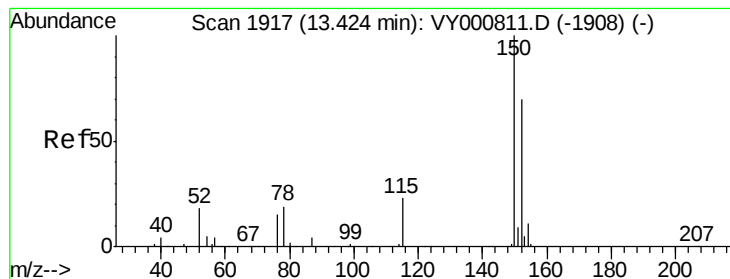
#68
m/p-Xylenes
Concen: 1.209 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY000915.D
Acq: 09 Dec 2019 16:26

Tgt Ion:106 Resp: 7664
Ion Ratio Lower Upper
106 100
91 205.8 159.6 239.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



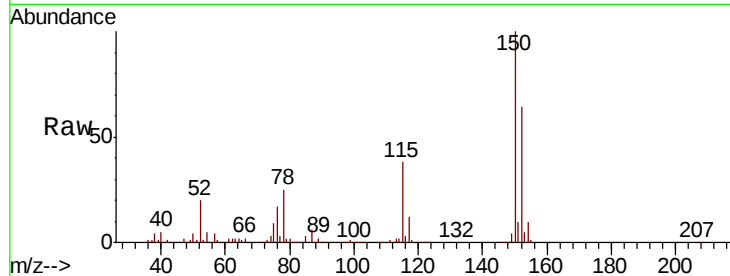


#72

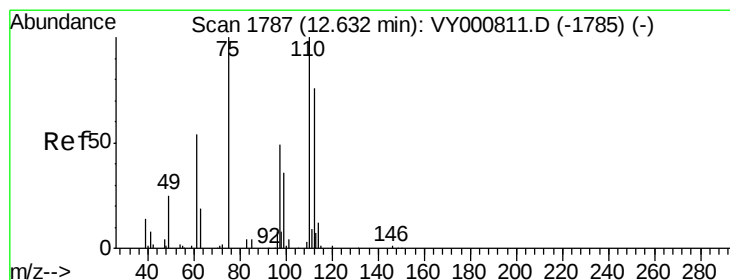
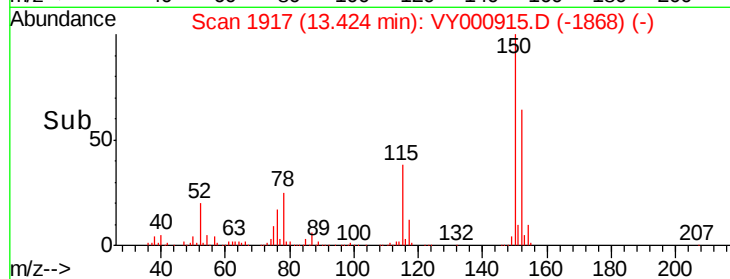
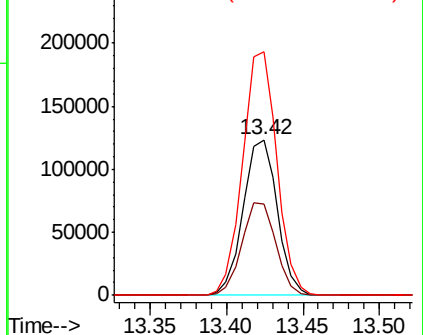
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000915.D
Acq: 09 Dec 2019 16:26

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.3	87.8
150	157.1	0.0	351.2



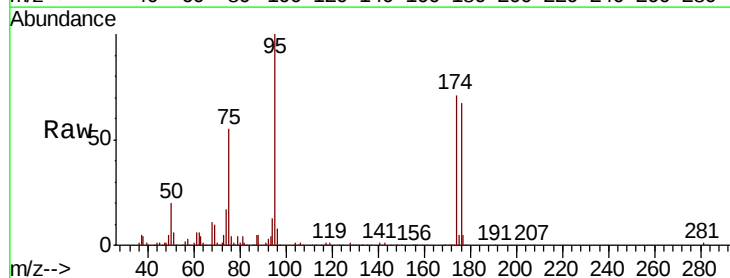
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



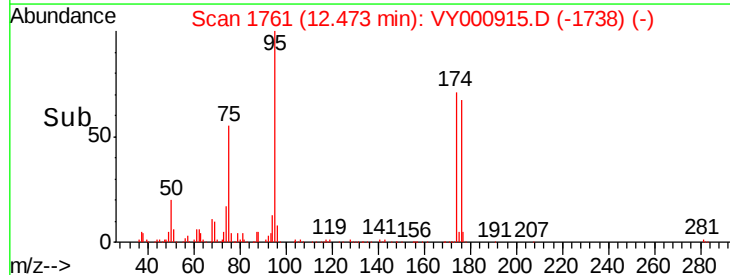
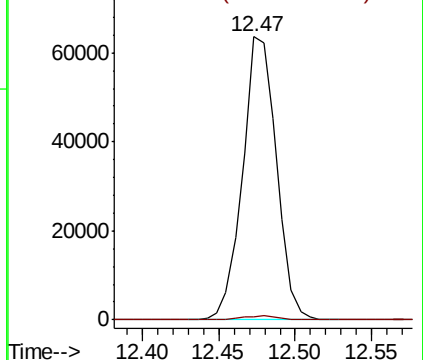
#76

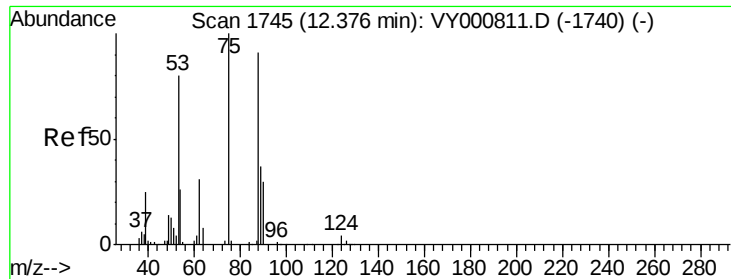
1,2,3-Trichloropropane
Concen: 45.130 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.16 min
Lab File: VY000915.D
Acq: 09 Dec 2019 16:26

Tgt 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: 88.648 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

Instrument :

MSVOA_Y

ClientSampleId :

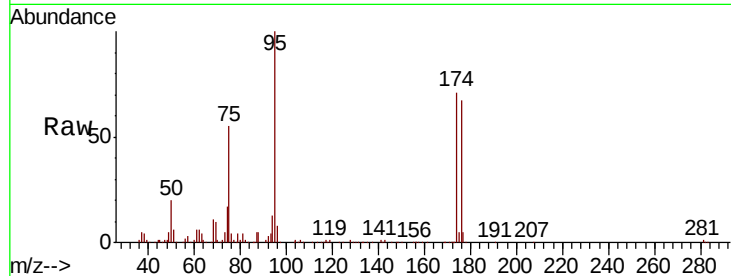
Tot Ion: 75 Resp: 97676

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

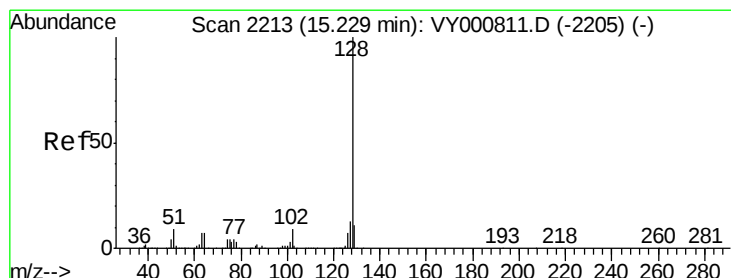
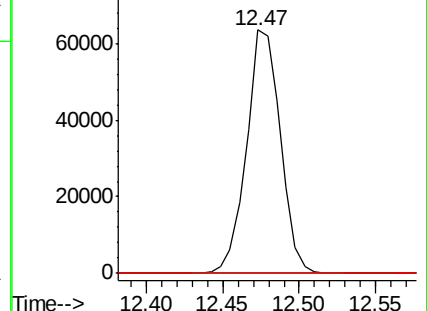
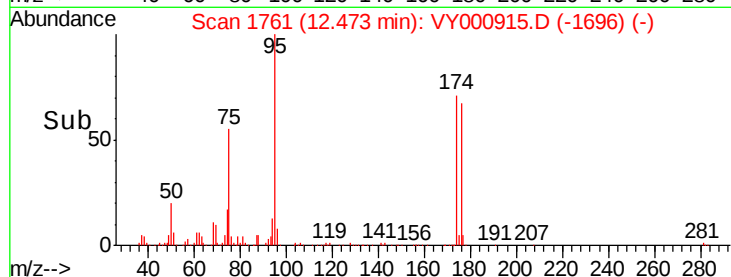
89 0.1 33.6 50.4#



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



#95

Naphthalene

Concen: 2.101 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY000915.D

Acq: 09 Dec 2019 16:26

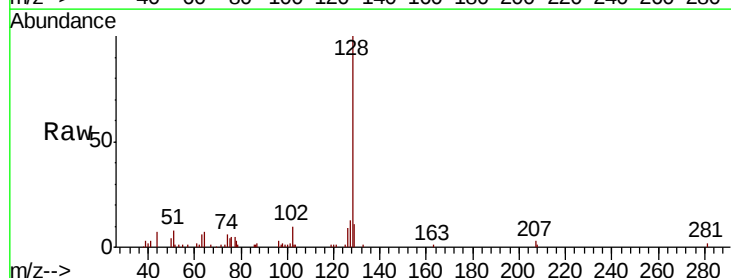
Tgt Ion: 128 Resp: 19205

Ion Ratio Lower Upper

128 100

127 15.5 10.1 15.1#

129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

