

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000153.D
 Acq On : 26 Sep 2019 15:29
 Operator : SY/MD
 Sample : K5038-04
 Misc : 5.54g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 16:09:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:30:12 2019
 Response via : Initial Calibration

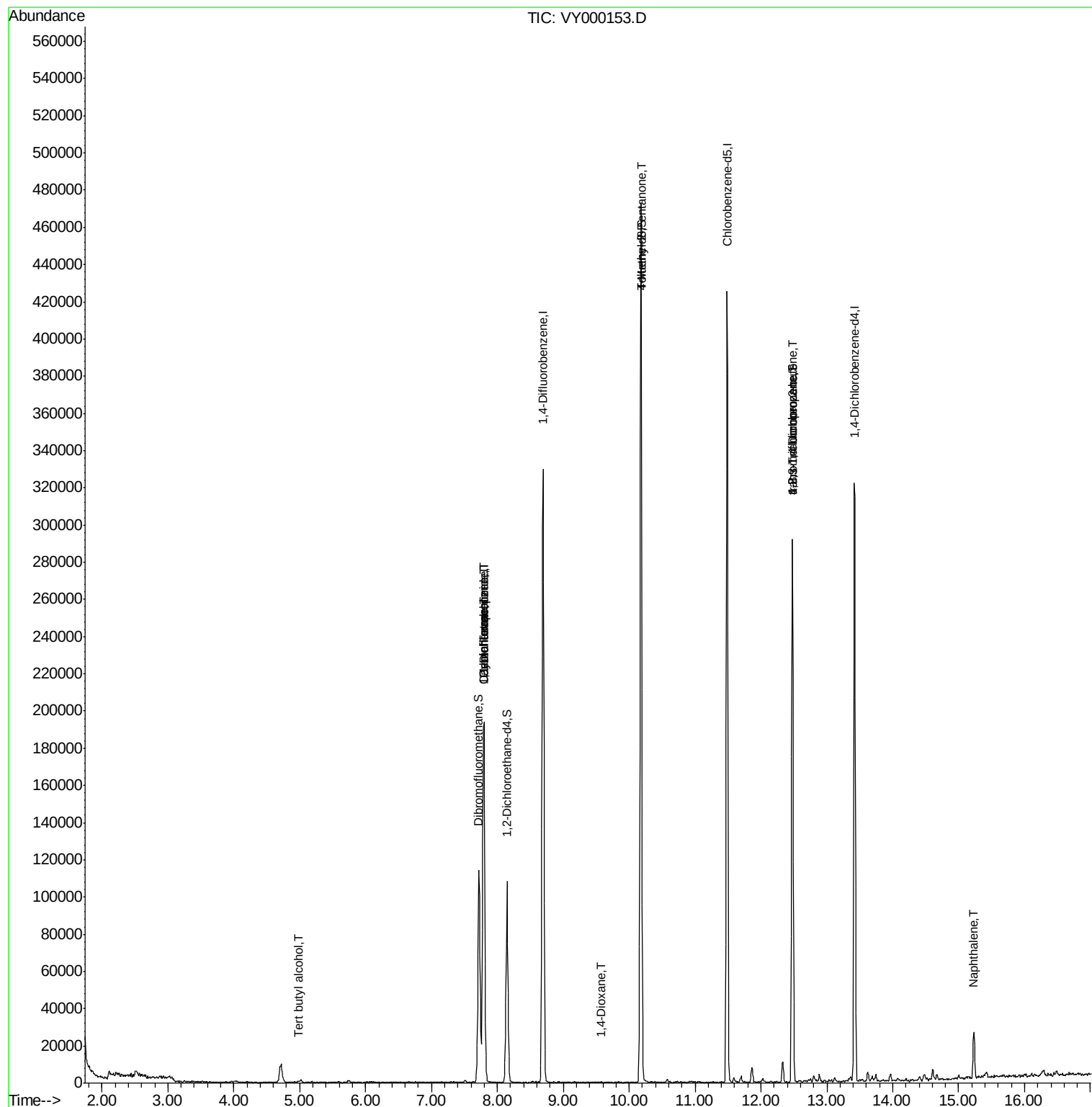
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	162297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	297766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	241919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	84090	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	76497	53.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.64%	
35) Dibromofluoromethane	7.72	113	79206	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
50) Toluene-d8	10.17	98	327968	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.48	95	93800	39.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	19	Below Cal	#	39
3) Chloromethane	2.10	50	2272	Below Cal	#	68
11) Tert butyl alcohol	4.98	59	190	1.338	ug/l #	71
20) Methylene Chloride	4.72	84	7486	Below Cal		98
31) Cyclohexane	7.80	56	3176	1.156	ug/l #	37
36) 1,1-Dichloropropene	7.78	75	11603	4.689	ug/l #	46
38) Carbon Tetrachloride	7.78	117	15036	6.224	ug/l #	16
49) 1,4-Dioxane	9.57	88	56	3.444	ug/l #	28
51) 4-Methyl-2-Pentanone	10.17	43	1274	1.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	43575	51.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	43575	102.608	ug/l #	18
95) Naphthalene	15.23	128	21118	5.181	ug/l	98

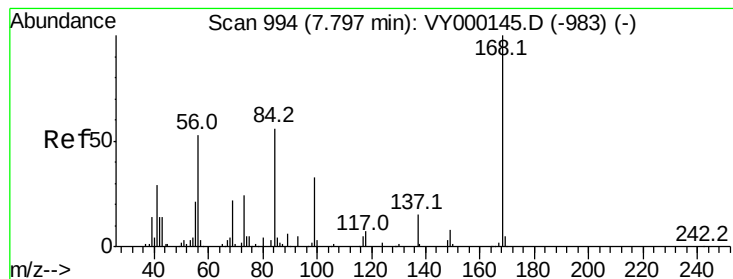
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 26 14:30:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000153.D

Acq: 26 Sep 2019 15:29

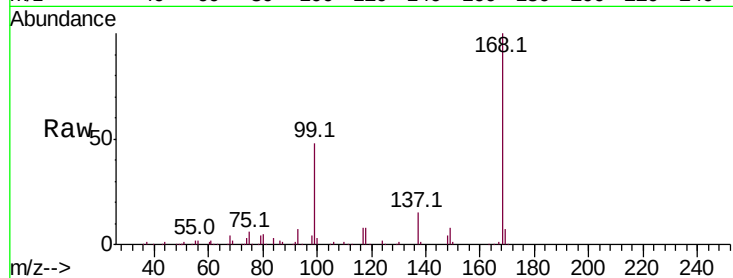
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 162297

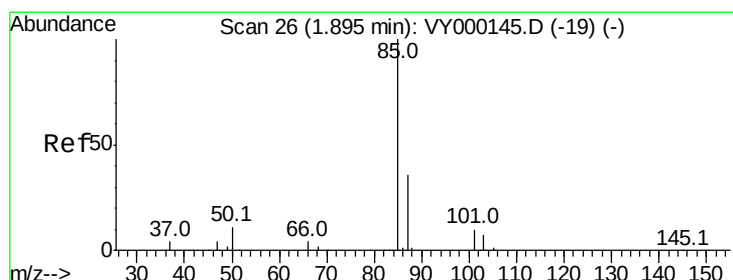
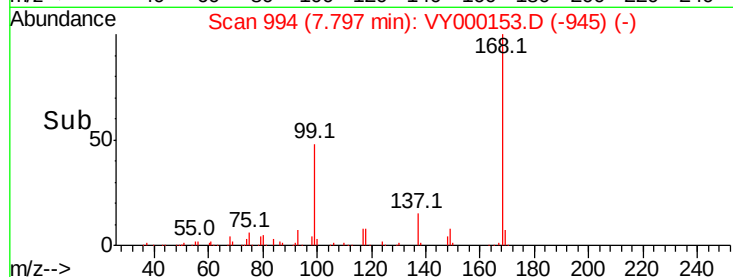
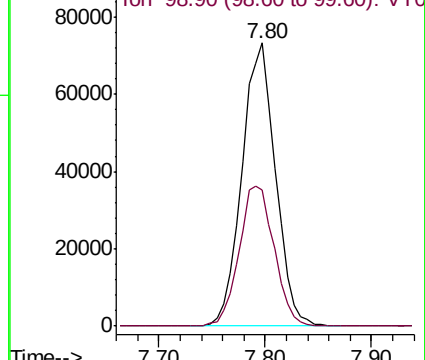
Ion Ratio Lower Upper

168 100

99 48.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VY000145.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.02 min

Lab File: VY000153.D

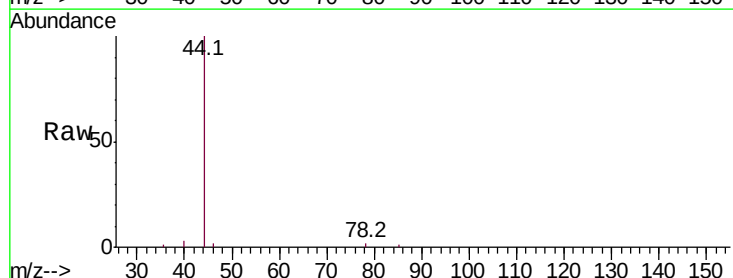
Acq: 26 Sep 2019 15:29

Tgt Ion: 85 Resp: 19

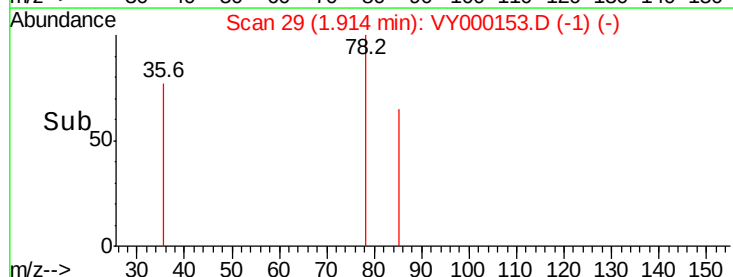
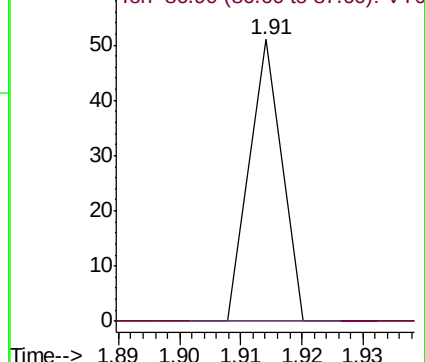
Ion Ratio Lower Upper

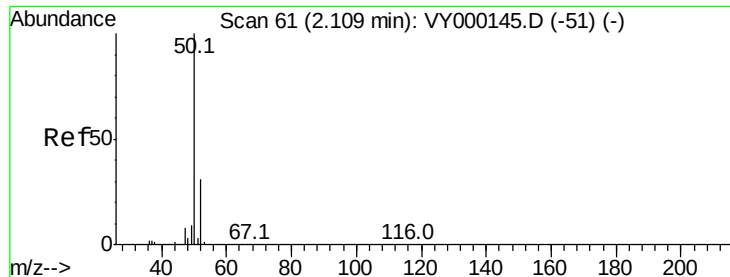
85 100

87 0.0 17.9 53.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000145.D (-19) (-)





#3

Chloromethane

Concen: Below Cal

RT: 2.10 min Scan# 60

Delta R.T. -0.00 min

Lab File: VY000153.D

Acq: 26 Sep 2019 15:29

Instrument :

MSVOA_Y

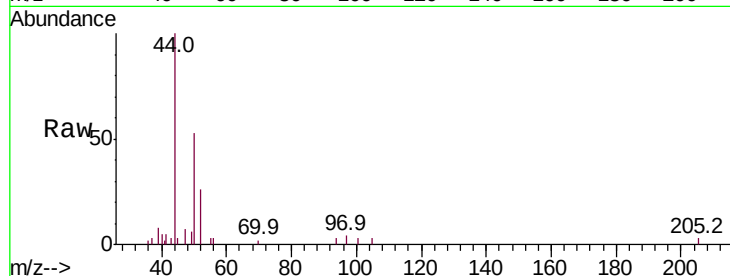
ClientSampled :

Tot Ion: 50 Resp: 2272

Ion Ratio Lower Upper

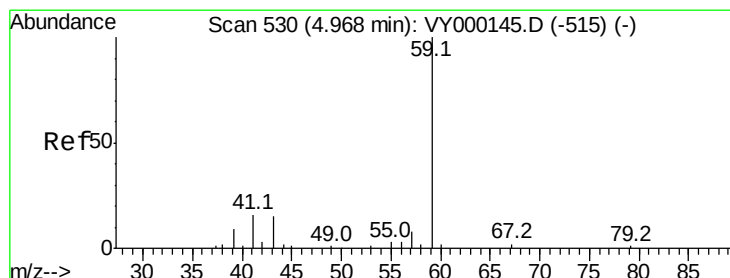
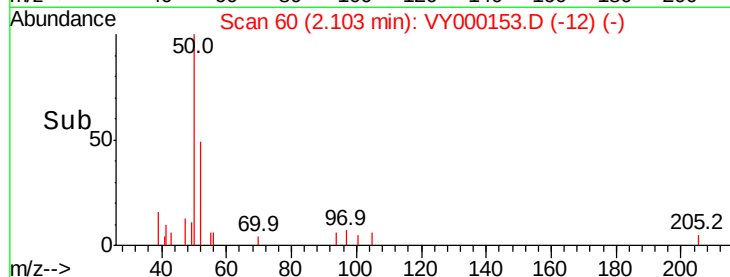
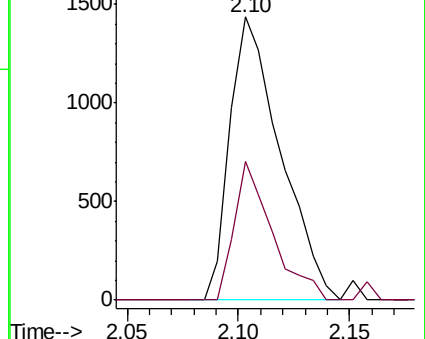
50 100

52 49.0 25.0 37.6#



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#11

Tert butyl alcohol

Concen: 1.338 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000153.D

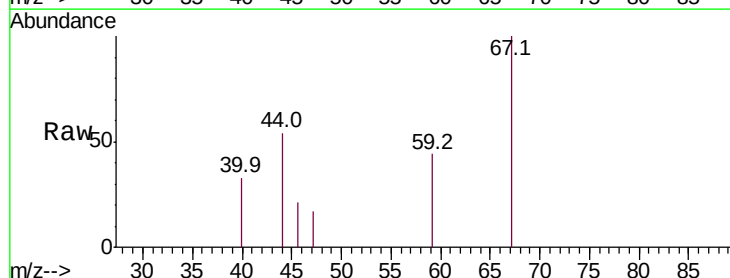
Acq: 26 Sep 2019 15:29

Tgt Ion: 59 Resp: 190

Ion Ratio Lower Upper

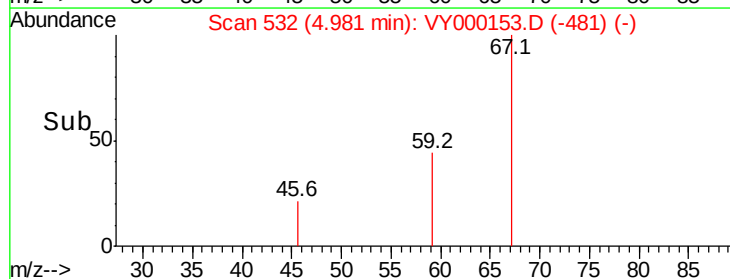
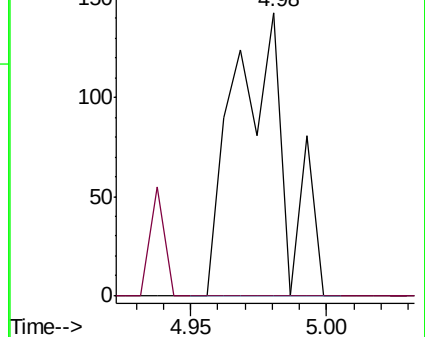
59 100

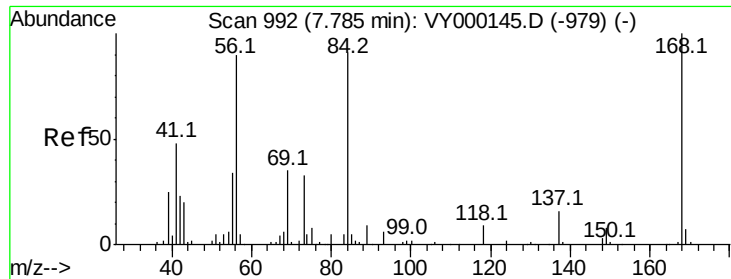
57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

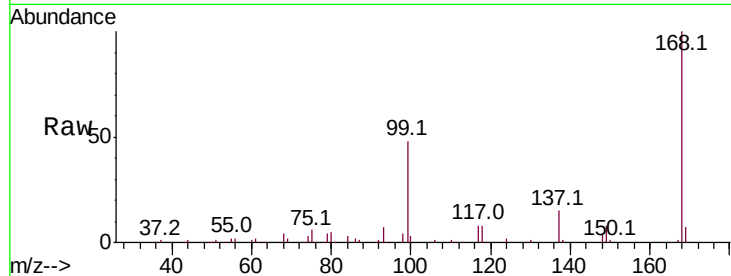




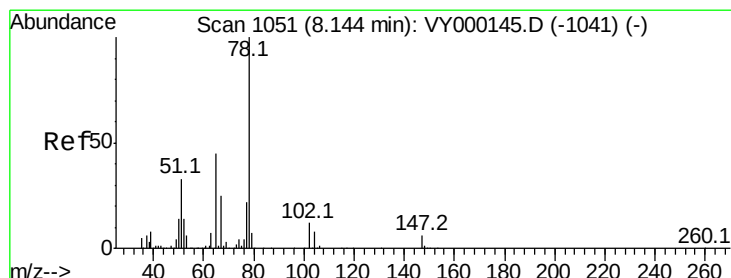
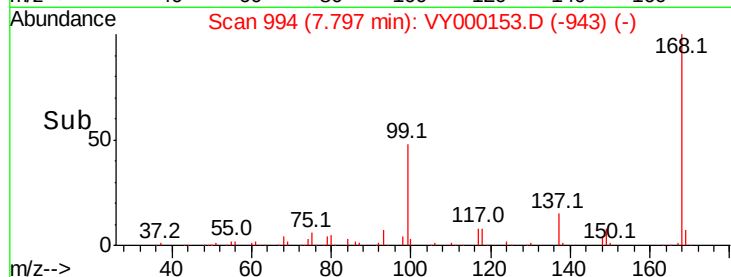
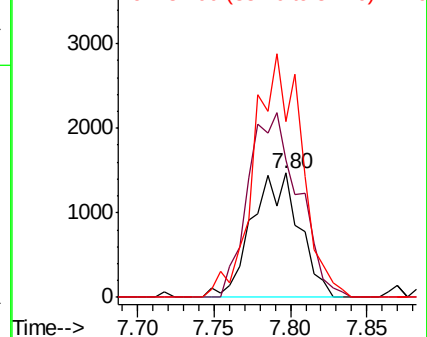
#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000153.D
Acq: 26 Sep 2019 15:29

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3176
Ion Ratio Lower Upper
56 100
69 110.8 31.1 46.7#
84 142.1 80.5 120.7#

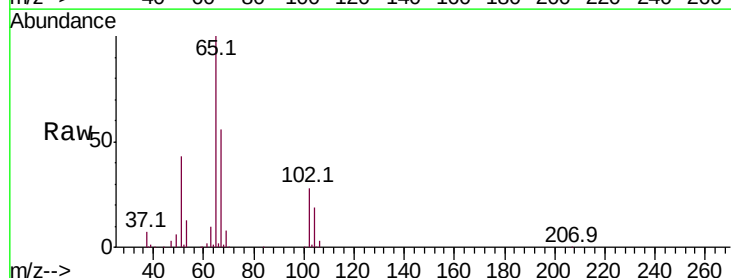


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

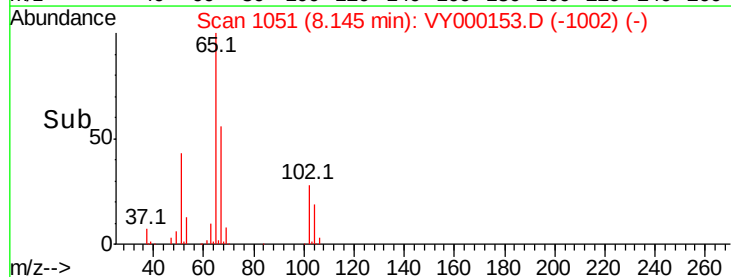
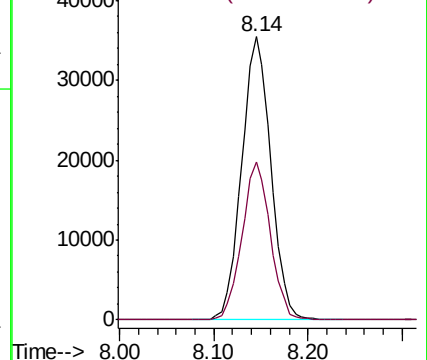


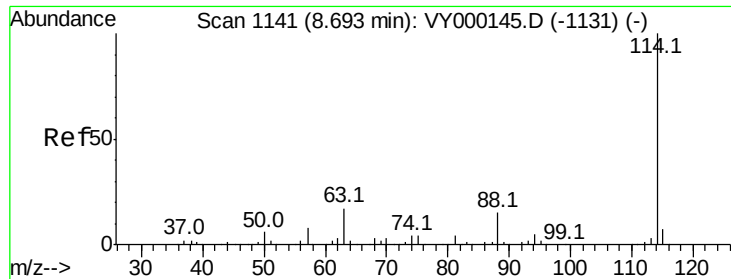
#33
1,2-Dichloroethane-d4
Concen: 53.821 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY000153.D
Acq: 26 Sep 2019 15:29

Tgt Ion: 65 Resp: 76497
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.6



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

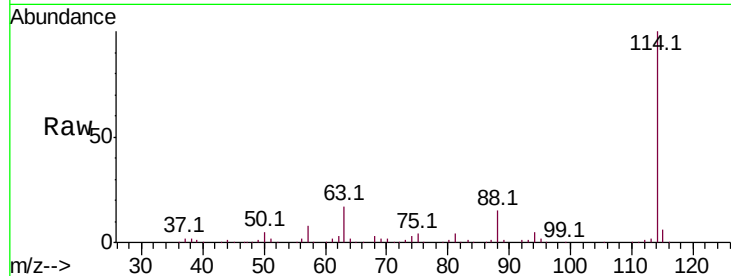




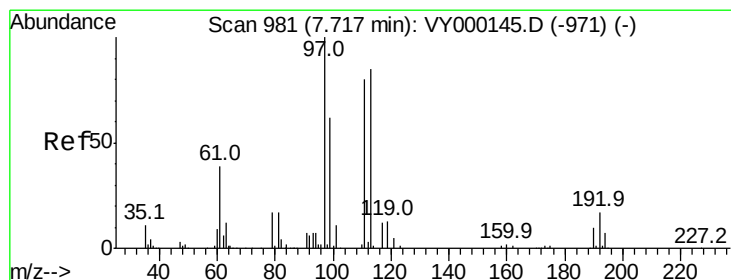
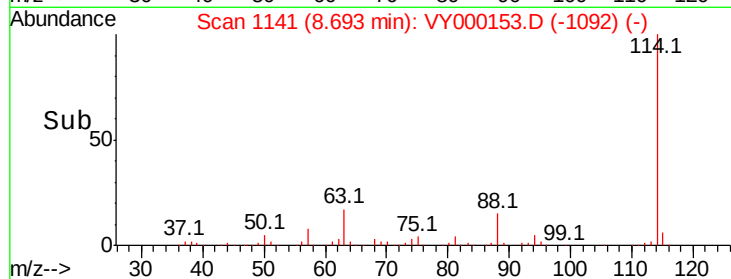
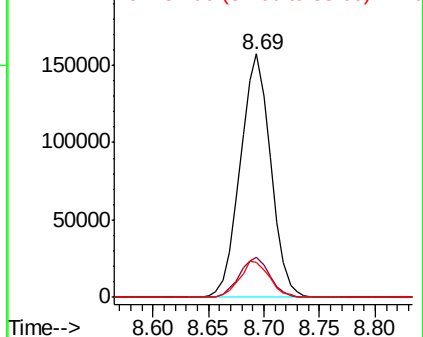
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY000153.D
 Acq: 26 Sep 2019 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	34.6
88	14.6	0.0	30.6

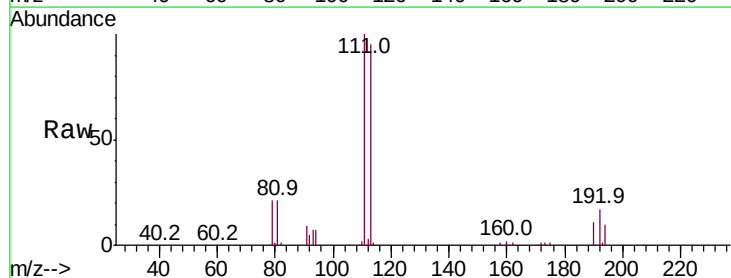


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

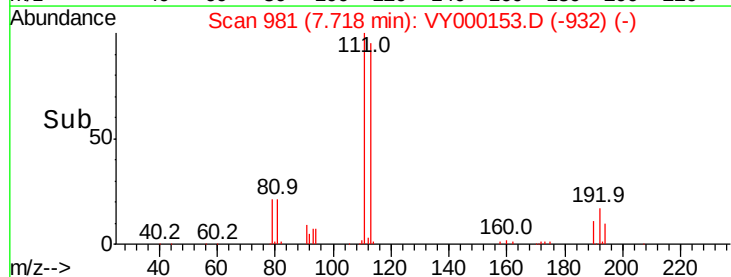
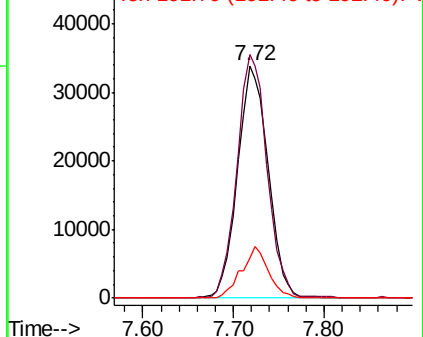


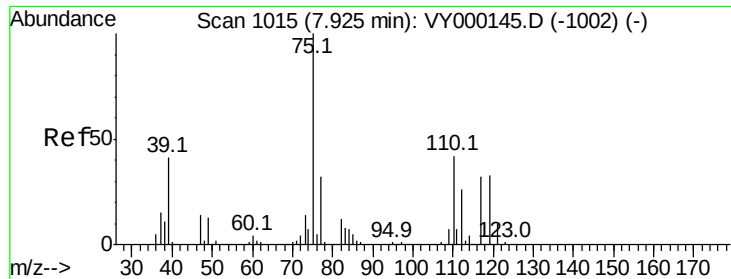
#35
 Dibromofluoromethane
 Concen: 50.793 ug/l
 RT: 7.72 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VY000153.D
 Acq: 26 Sep 2019 15:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	19.7	17.3	25.9



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

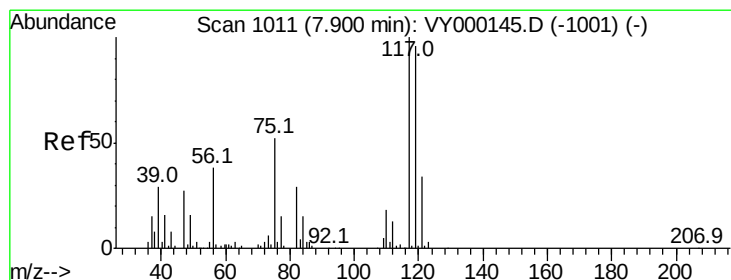
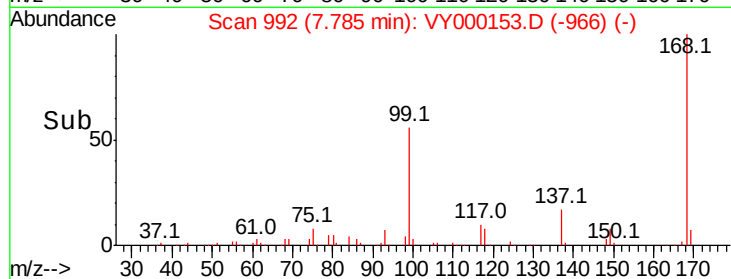
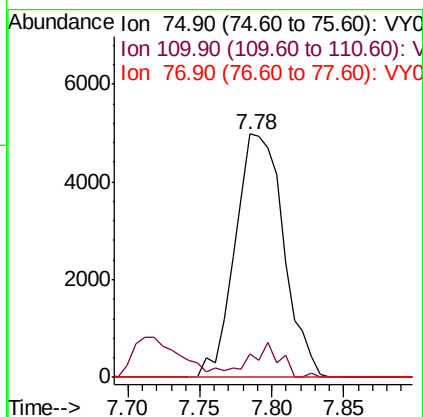
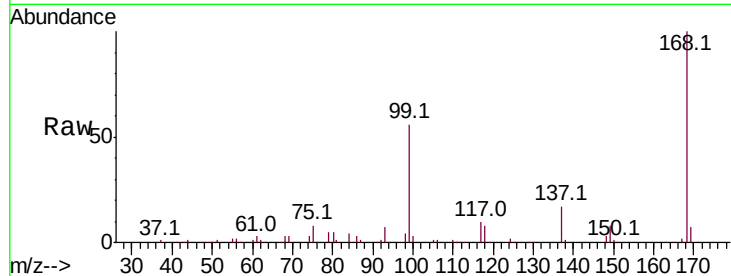




#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.78 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VY000153.D
 Acq: 26 Sep 2019 15:29

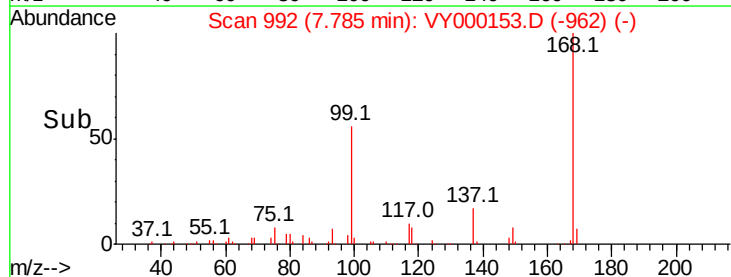
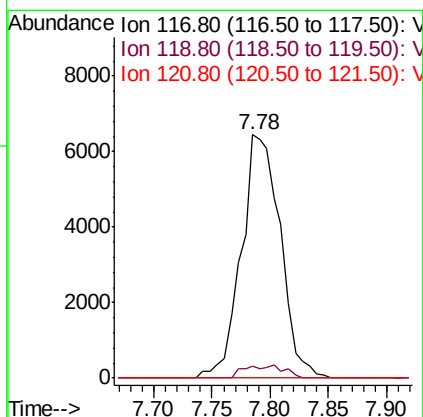
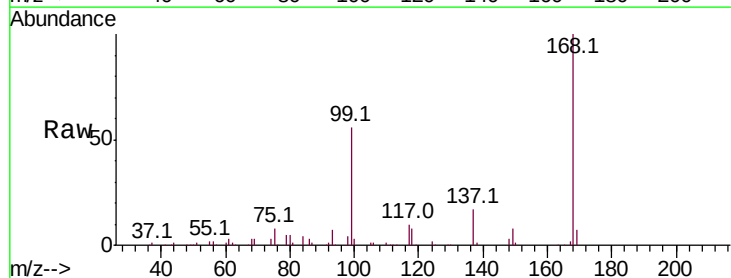
Instrument :
 MSVOA_Y
 ClientSampleId :

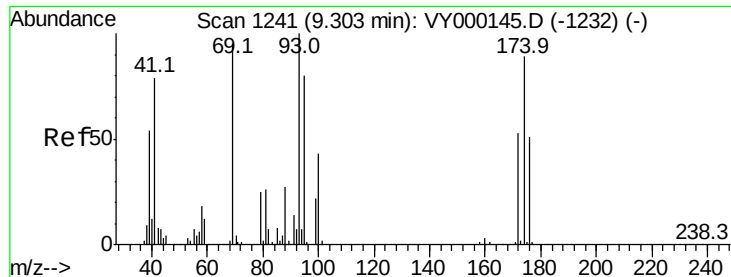
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	21.1	63.1#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.224 ug/l
 RT: 7.78 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VY000153.D
 Acq: 26 Sep 2019 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.9	115.3#
121	0.0	27.4	41.0#





#49

1,4-Dioxane

Concen: 3.444 ug/l

RT: 9.57 min Scan# 1285

Delta R.T. 0.27 min

Lab File: VY000153.D

Acq: 26 Sep 2019 15:29

Instrument :
MSVOA_Y
ClientSampled :

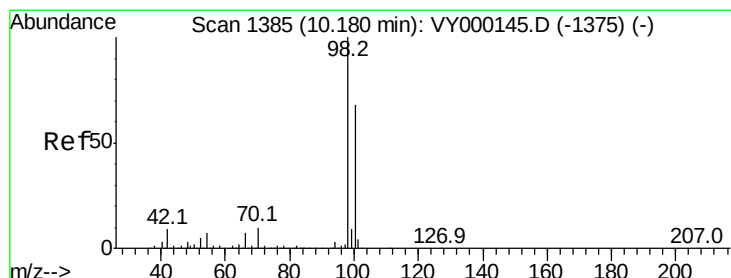
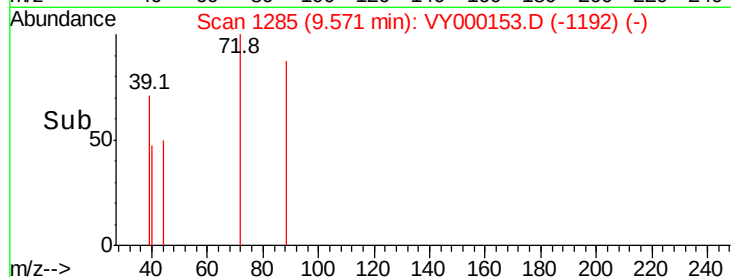
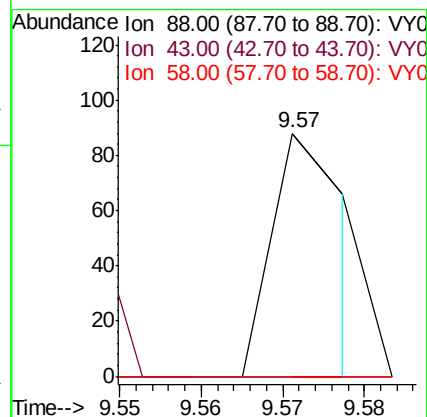
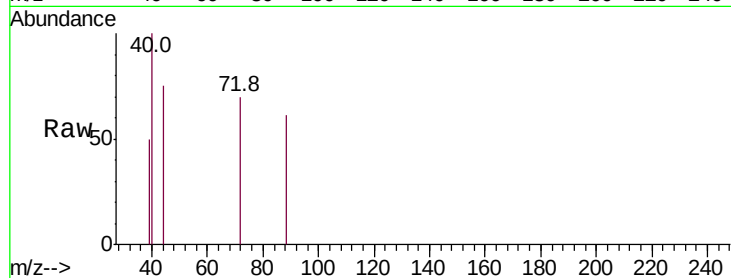
Tot Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 24.4 36.6#

58 0.0 49.2 73.8#



#50

Toluene-d8

Concen: 49.701 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY000153.D

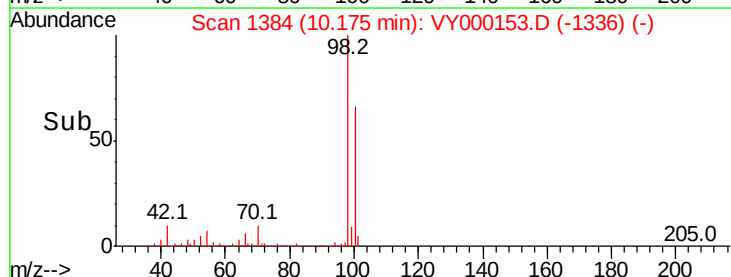
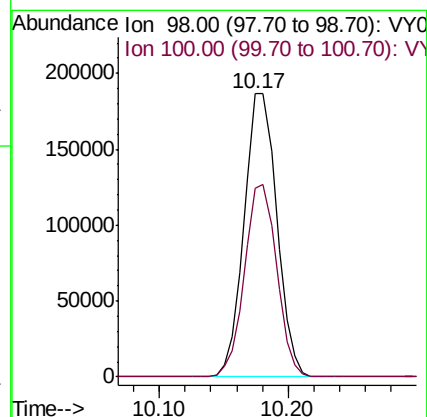
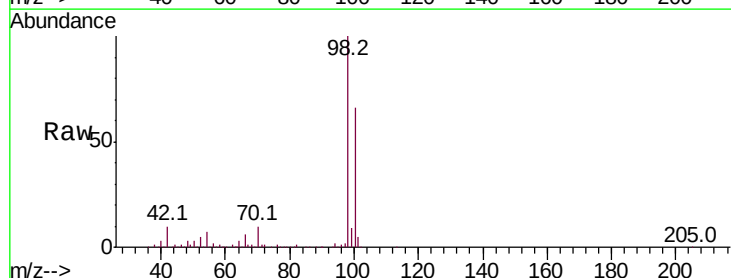
Acq: 26 Sep 2019 15:29

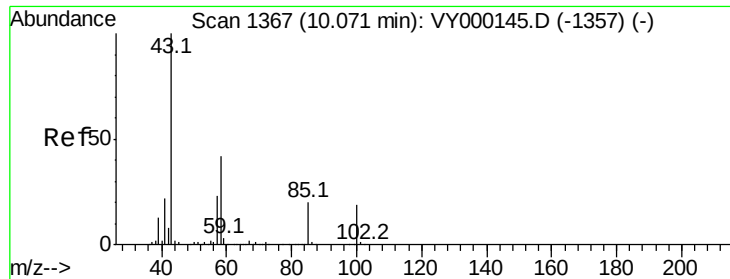
Tgt Ion: 98 Resp: 327968

Ion Ratio Lower Upper

98 100

100 66.8 54.2 81.2





#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY000153.D

Acq: 26 Sep 2019 15:29

Instrument :

MSVOA_Y

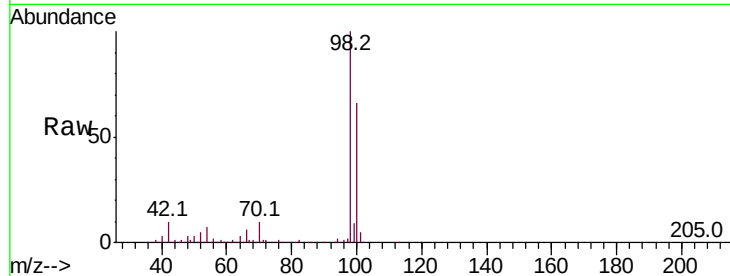
ClientSampleId :

Tot Ion: 43 Resp: 1274

Ion Ratio Lower Upper

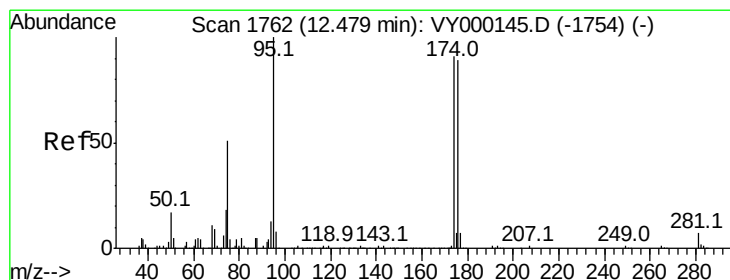
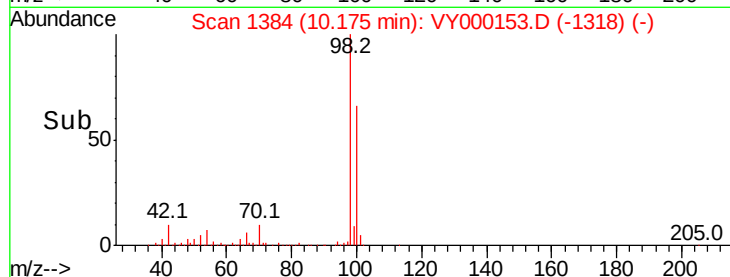
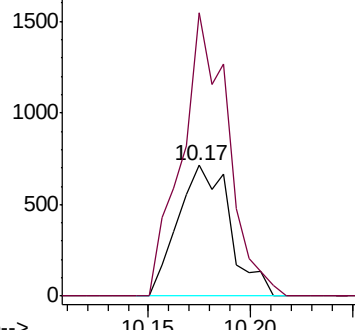
43 100

58 192.1 33.6 50.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 38.999 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000153.D

Acq: 26 Sep 2019 15:29

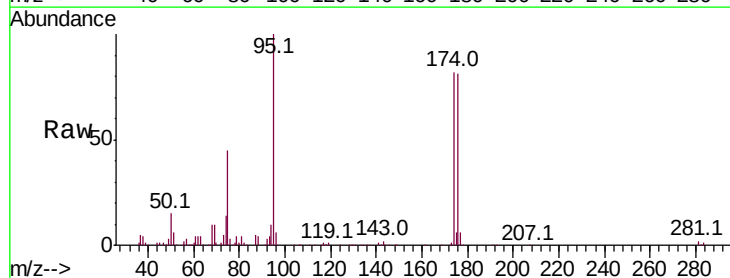
Tgt Ion: 95 Resp: 93800

Ion Ratio Lower Upper

95 100

174 79.3 0.0 180.6

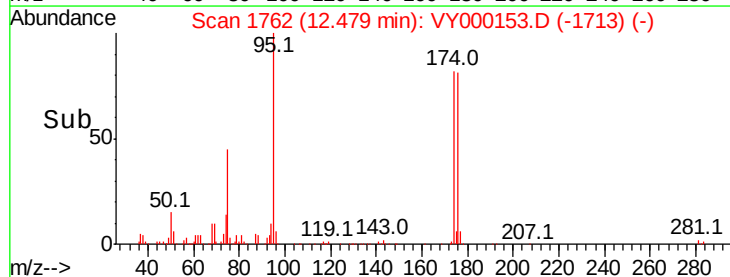
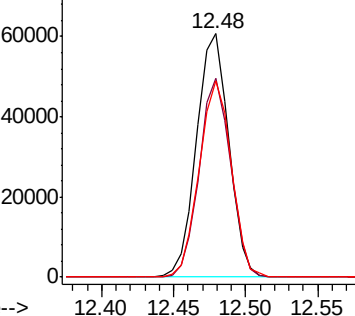
176 80.1 0.0 171.6

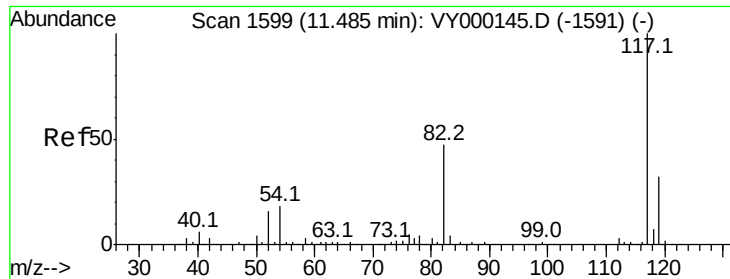


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

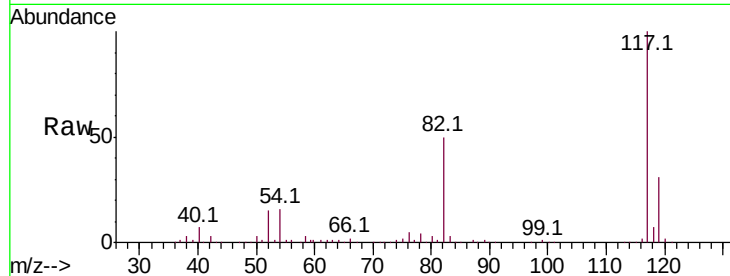




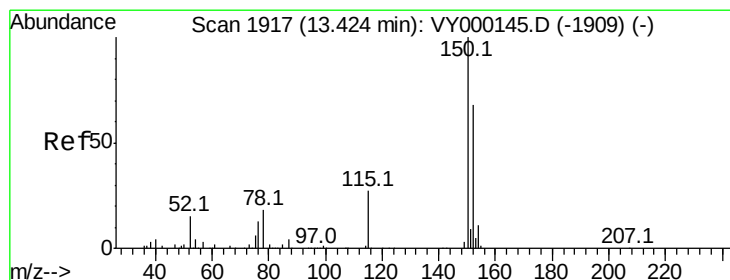
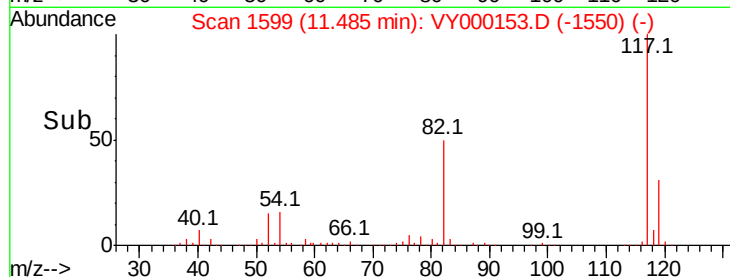
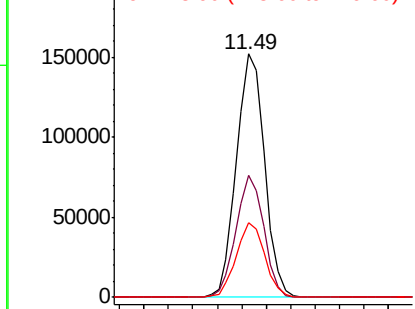
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000153.D
Acq: 26 Sep 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 241919
Ion Ratio Lower Upper
117 100
82 50.3 37.7 56.5
119 30.8 25.4 38.2

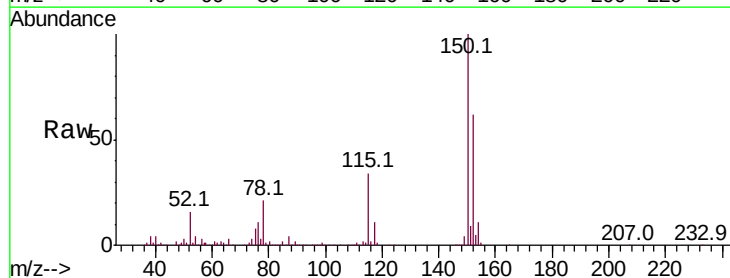


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

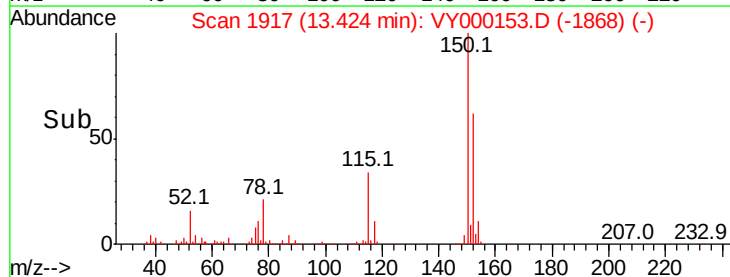
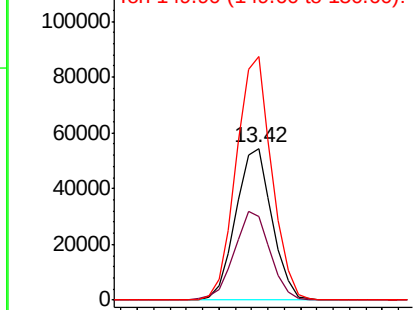


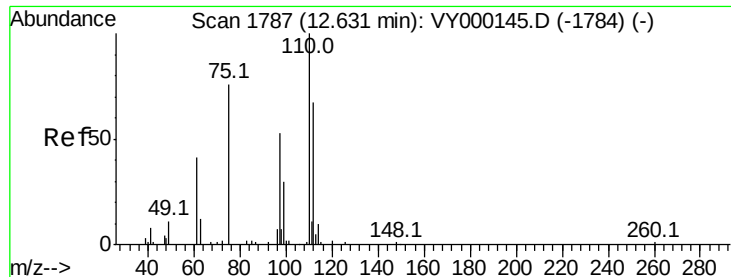
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000153.D
Acq: 26 Sep 2019 15:29

Tgt Ion:152 Resp: 84090
Ion Ratio Lower Upper
152 100
115 57.8 26.8 80.4
150 157.1 0.0 347.8



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: 51.489 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000153.D

Acq: 26 Sep 2019 15:29

Instrument :

MSVOA_Y

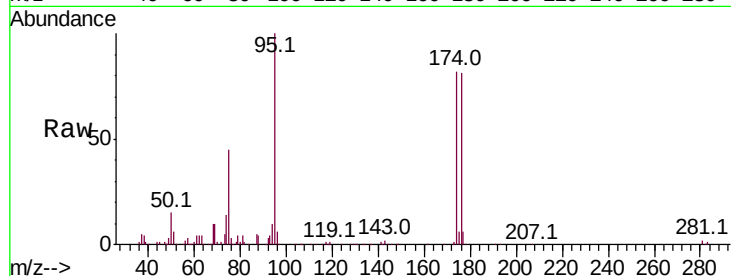
ClientSampleId :

Tot Ion: 75 Resp: 43575

Ion Ratio Lower Upper

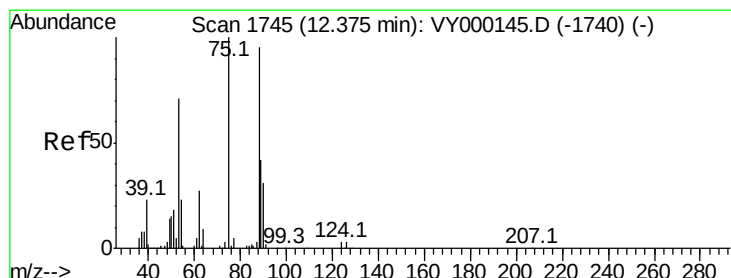
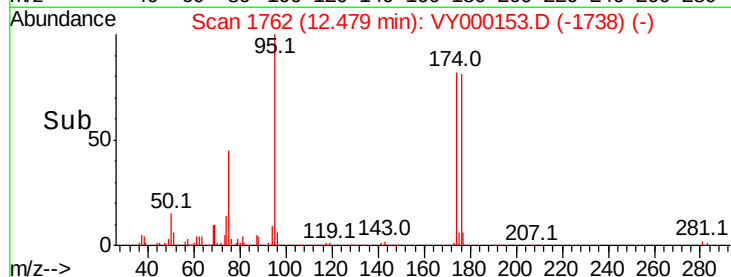
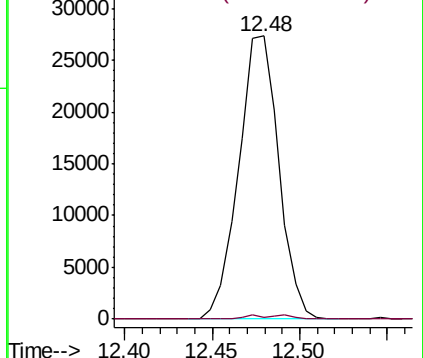
75 100

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: 102.608 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000153.D

Acq: 26 Sep 2019 15:29

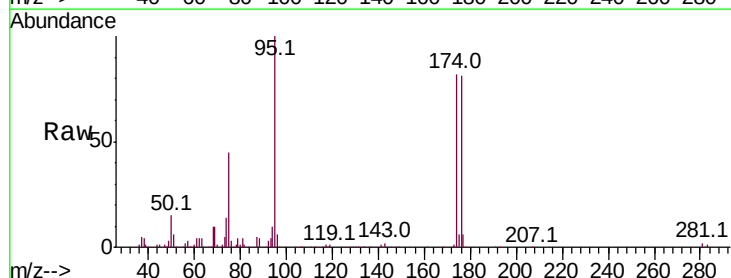
Tgt Ion: 75 Resp: 43575

Ion Ratio Lower Upper

75 100

53 0.0 61.8 92.8#

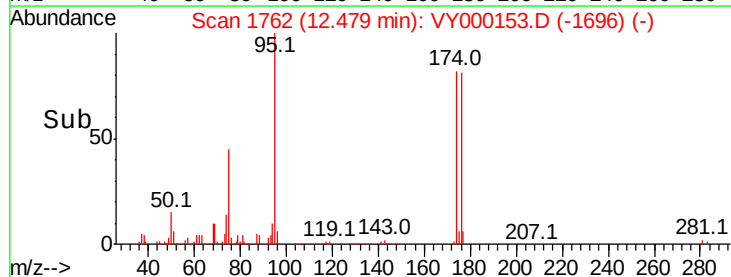
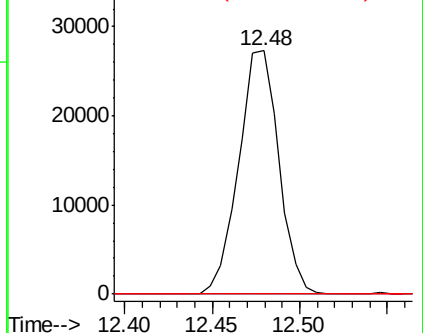
89 0.0 35.6 53.4#

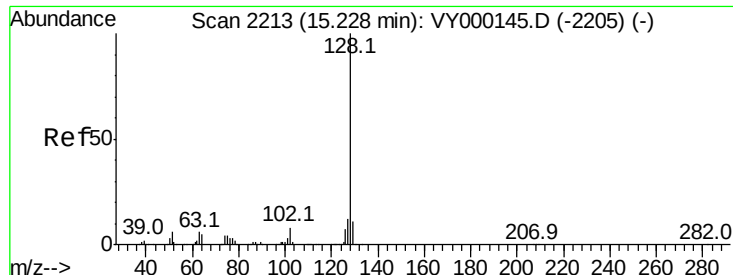


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

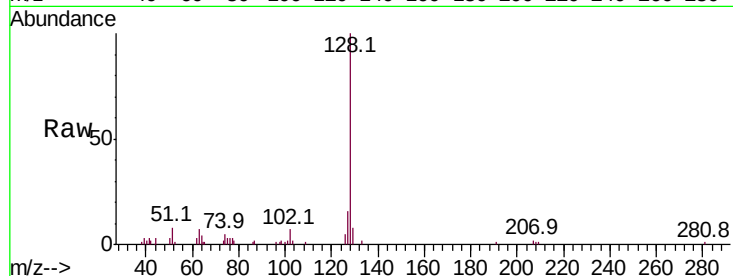




#95
 Naphthalene
 Concen: 5.181 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY000153.D
 Acq: 26 Sep 2019 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.5	14.3
129	11.6	8.6	12.8



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

