

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000456.D
 Acq On : 28 Oct 2019 15:47
 Operator : SY/MD
 Sample : K5576-02
 Misc : 4.96G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:45:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	196578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	342631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	284211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	108825	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	116731	56.29	ug/l	0.00
Spiked Amount			Recovery	=	112.58%	
35) Dibromofluoromethane	7.73	113	101902	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.18	98	390108	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.48	95	113633	37.62	ug/l	0.00
Spiked Amount			Recovery	=	75.24%	

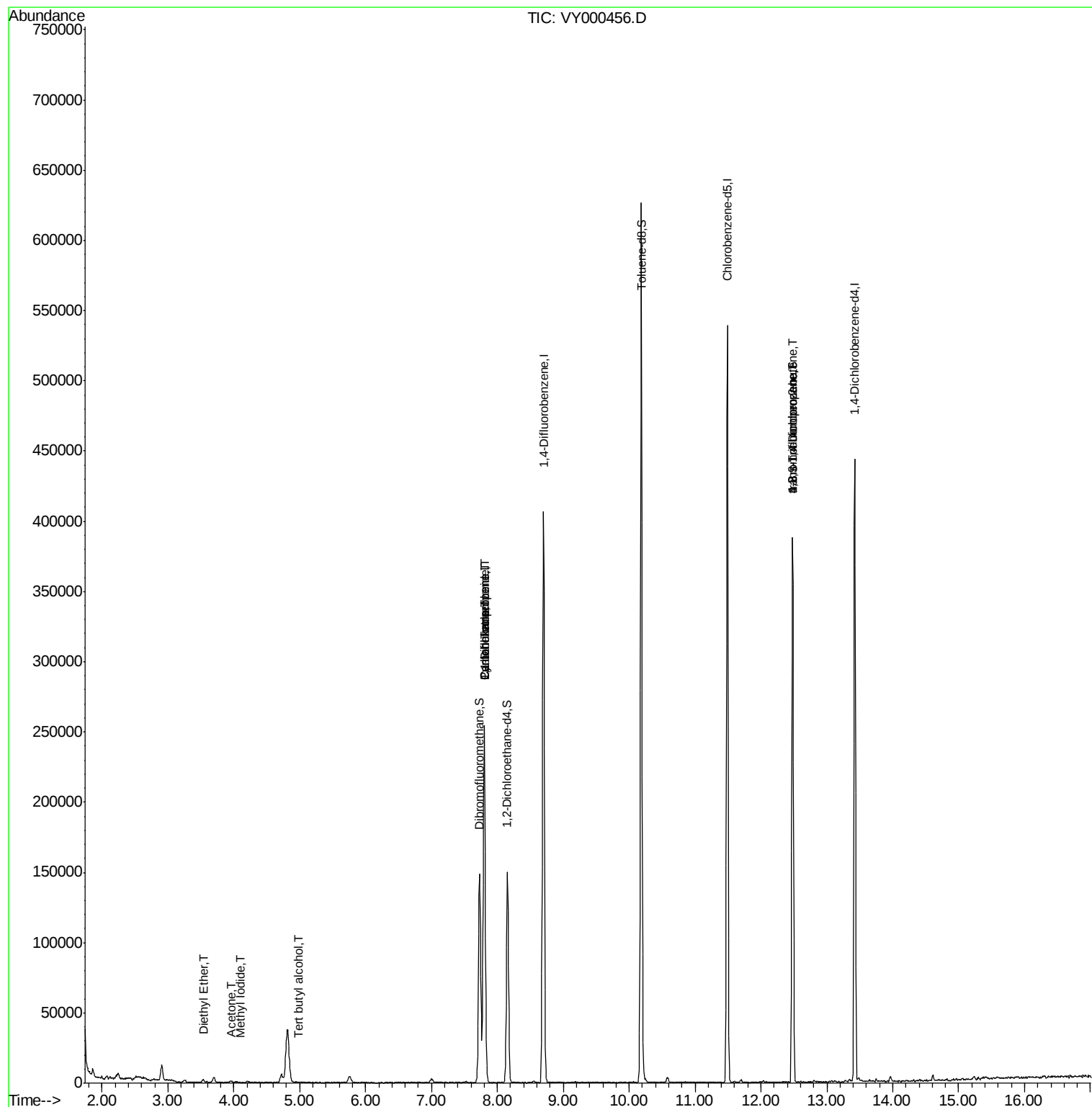
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	1375	1.174	ug/l	99
10) Methyl Iodide	4.10	142	64	1.208	ug/l #	41
11) Tert butyl alcohol	4.99	59	887	4.088	ug/l #	73
16) Acetone	3.96	43	2028	3.020	ug/l #	42
20) Methylene Chloride	4.72	84	4345	Below Cal	#	90
31) Cyclohexane	7.80	56	4227	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	15300	4.561	ug/l #	50
38) Carbon Tetrachloride	7.80	117	18555	5.713	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	60693	45.355	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	60693	99.235	ug/l #	14

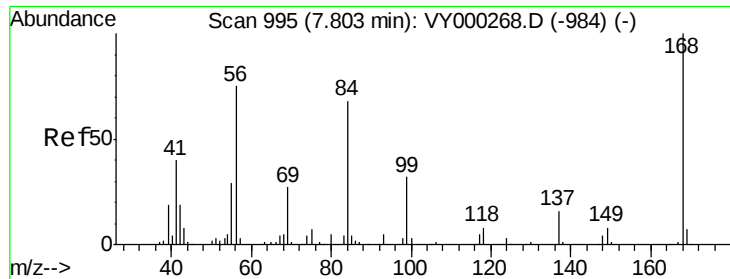
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
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Quant Time: Oct 29 10:45:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

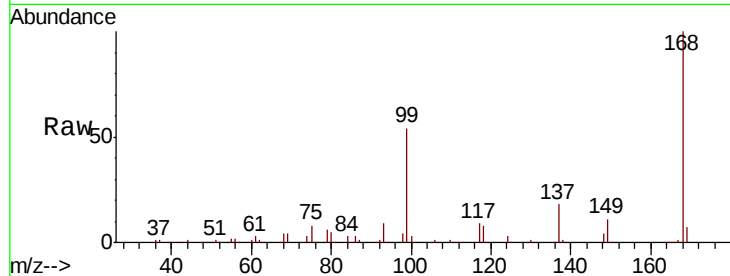
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 196578

Ion Ratio Lower Upper

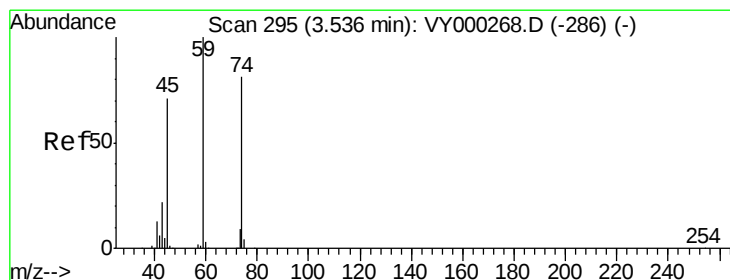
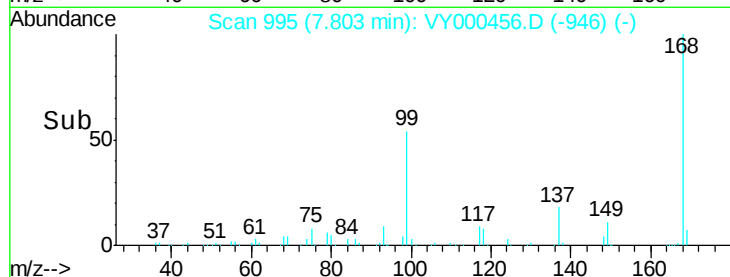
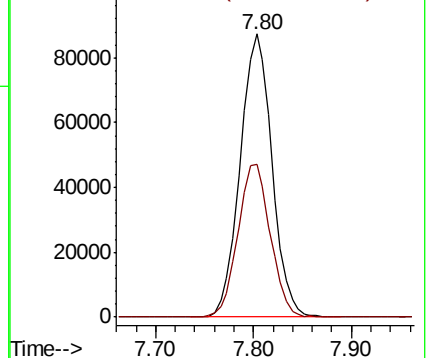
168 100

99 53.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000456.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000456.D (-946) (-)



#8

Diethyl Ether

Concen: 1.174 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000456.D

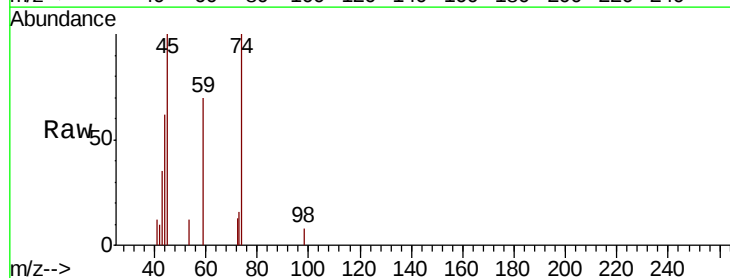
Acq: 28 Oct 2019 15:47

Tgt Ion: 74 Resp: 1375

Ion Ratio Lower Upper

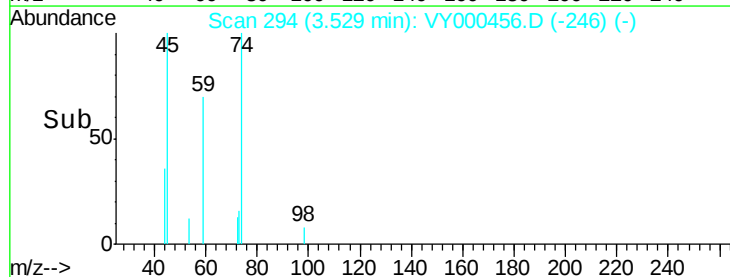
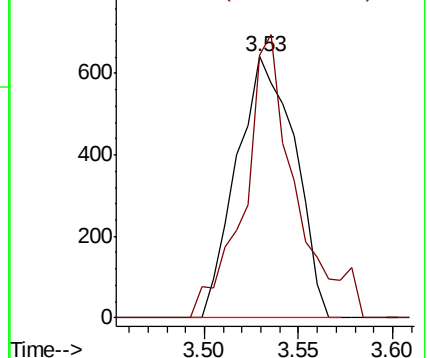
74 100

45 95.1 47.1 141.4



Abundance Ion 74.00 (73.70 to 74.70): VY000456.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY000456.D (-246) (-)

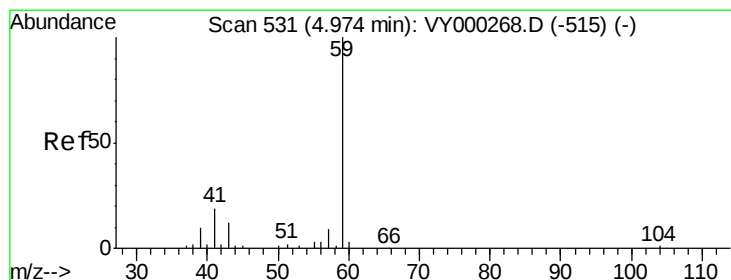
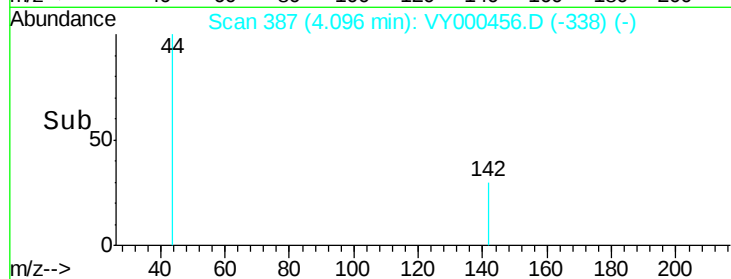
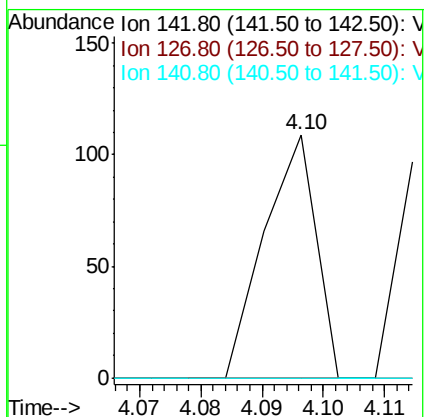
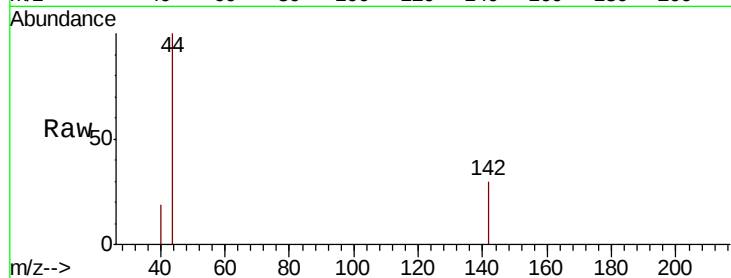




#10
Methvl Iodide
Concen: 1.208 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000456.D
Acq: 28 Oct 2019 15:47

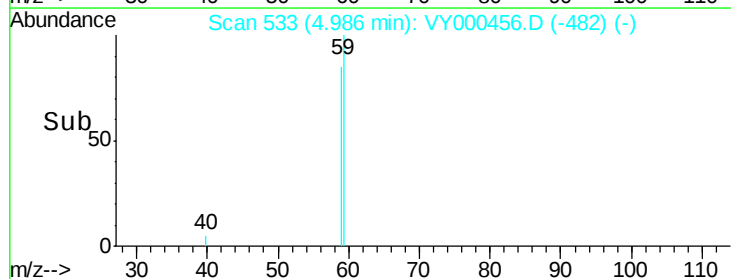
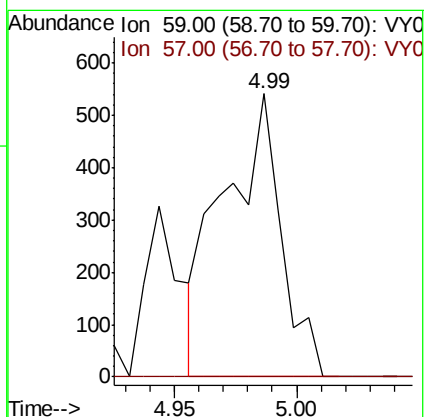
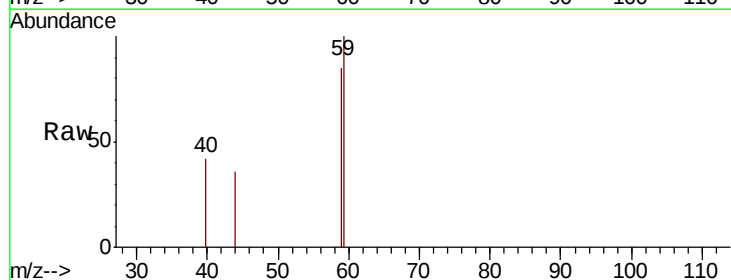
Instrument :
MSVOA_Y
ClientSampleId :

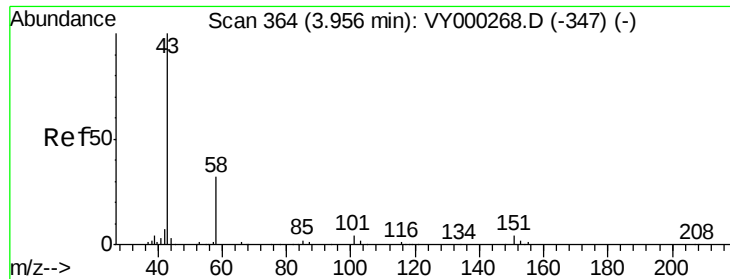
Tot Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 4.088 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY000456.D
Acq: 28 Oct 2019 15:47

Tgt Ion: 59 Resp: 887
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 3.020 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

Instrument :

MSVOA_Y

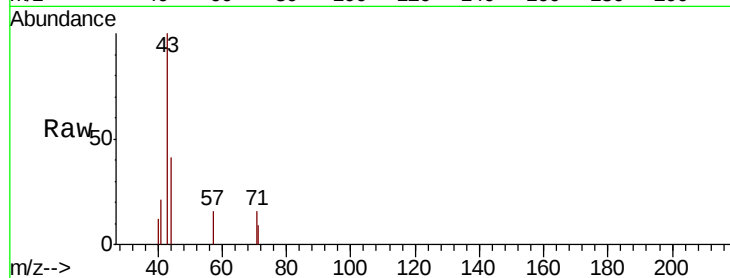
ClientSampleId :

Tot Ion: 43 Resp: 2028

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

600

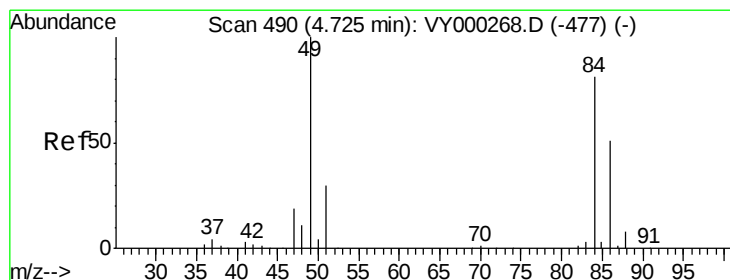
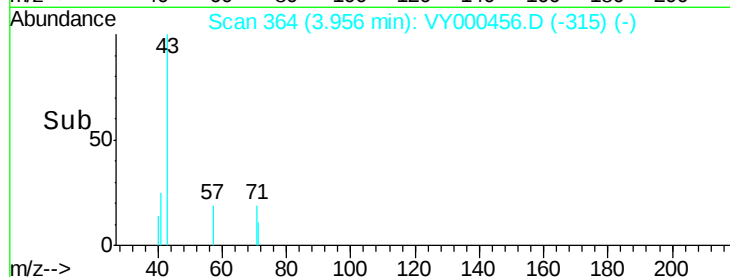
400

200

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

Tgt Ion: 84 Resp: 4345

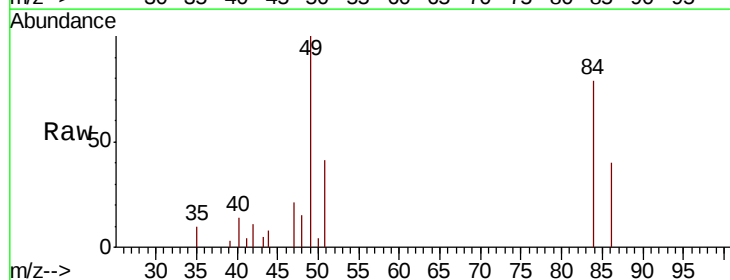
Ion Ratio Lower Upper

84 100

49 126.8 99.0 148.4

51 52.5 29.3 43.9#

86 50.6 50.2 75.4



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

3000

2500

2000

1500

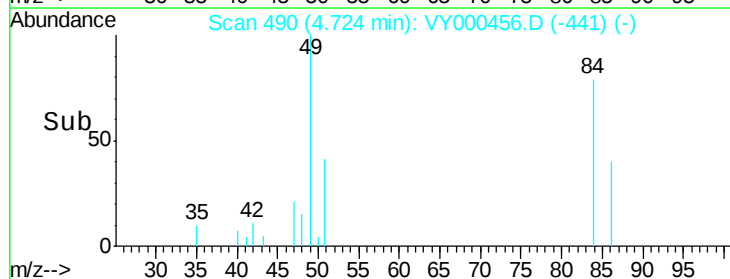
1000

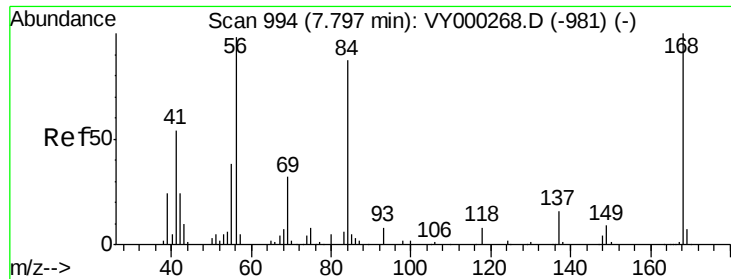
500

0

4.65 4.70 4.75 4.80

Time-->

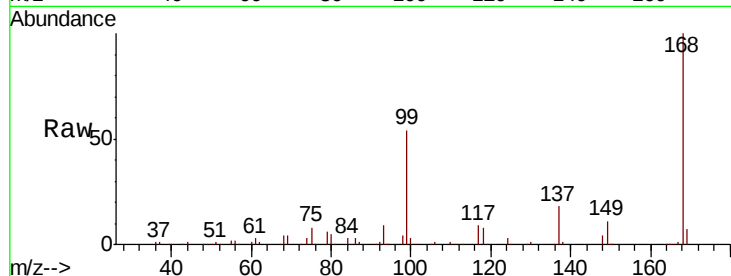




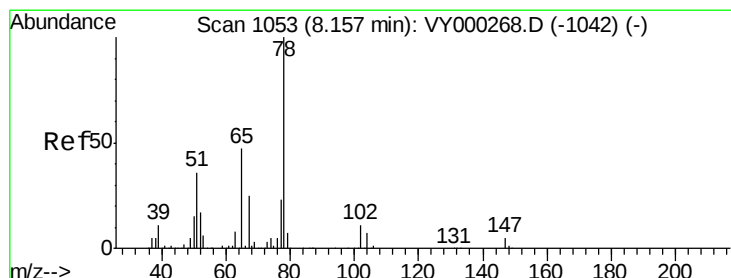
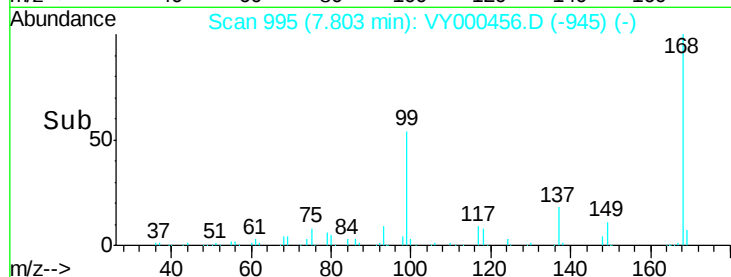
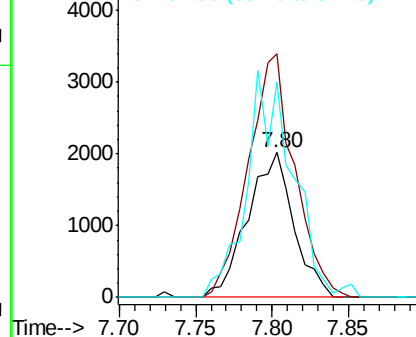
#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000456.D
Acq: 28 Oct 2019 15:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4227
Ion Ratio Lower Upper
56 100
69 168.5 26.3 39.5#
84 148.9 70.8 106.2#

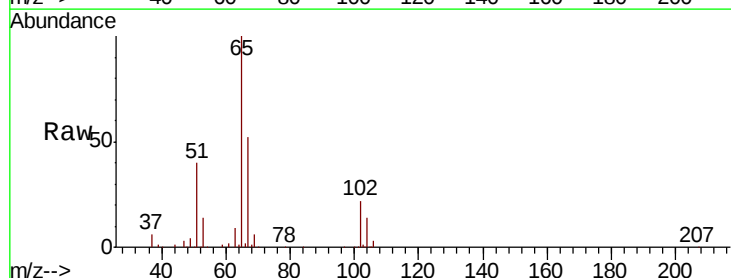


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

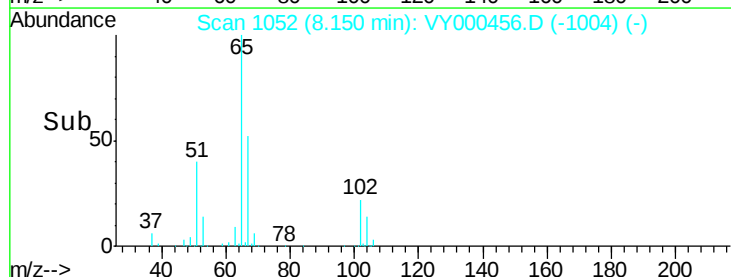
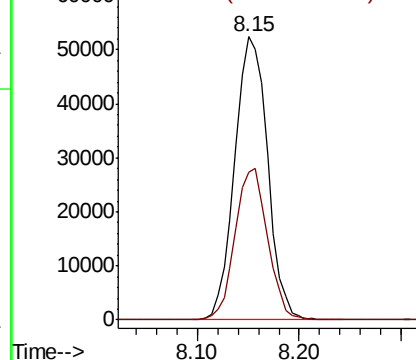


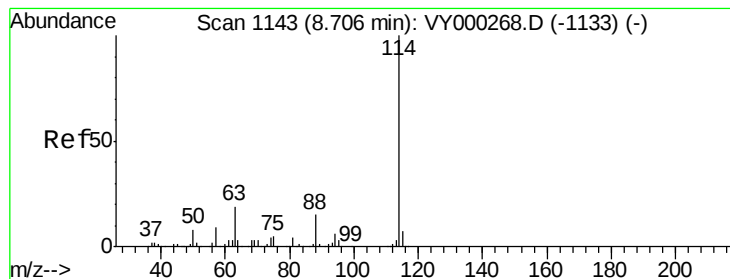
#33
1,2-Dichloroethane-d4
Concen: 56.294 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000456.D
Acq: 28 Oct 2019 15:47

Tgt Ion: 65 Resp: 116731
Ion Ratio Lower Upper
65 100
67 52.9 0.0 109.4



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. -0.01 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

Instrument :

MSVOA_Y

ClientSampleId :

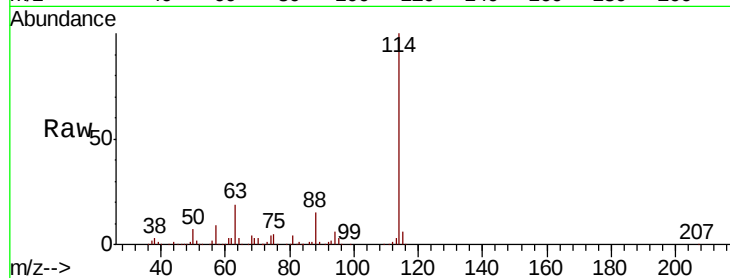
Tot Ion:114 Resp: 342631

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.2

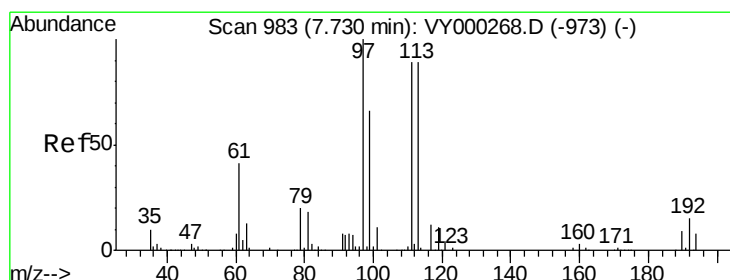
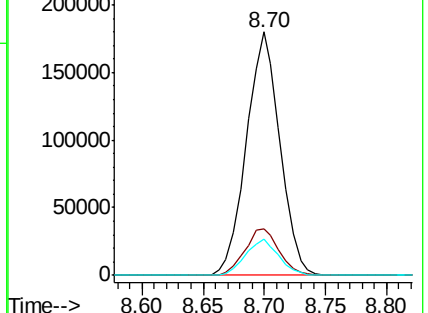
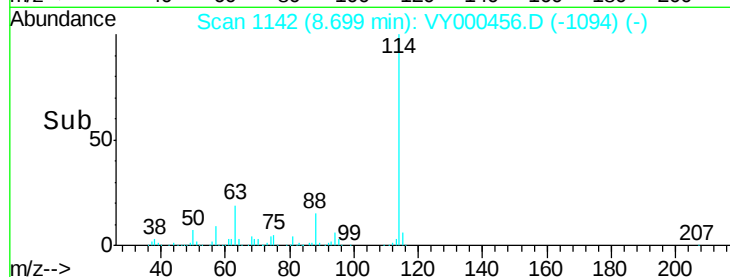
88 14.7 0.0 30.2



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: 49.305 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

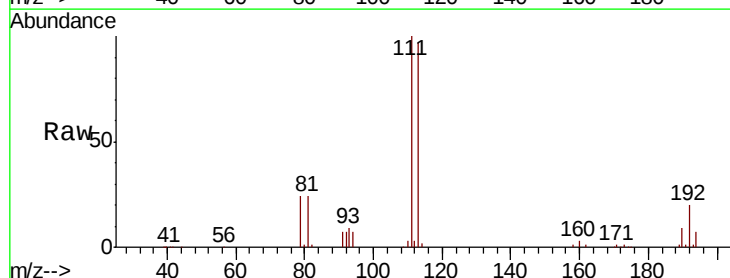
Tgt Ion:113 Resp: 101902

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

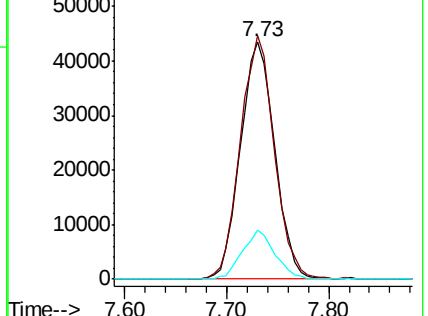
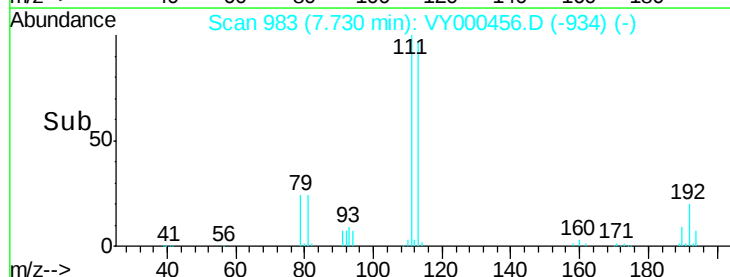
192 19.4 15.3 22.9

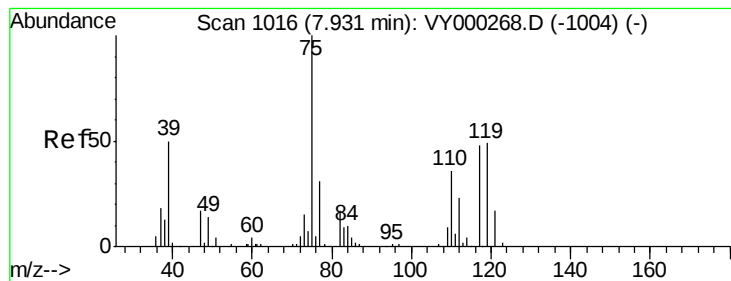


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.561 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

Instrument :

MSVOA_Y

ClientSampleId :

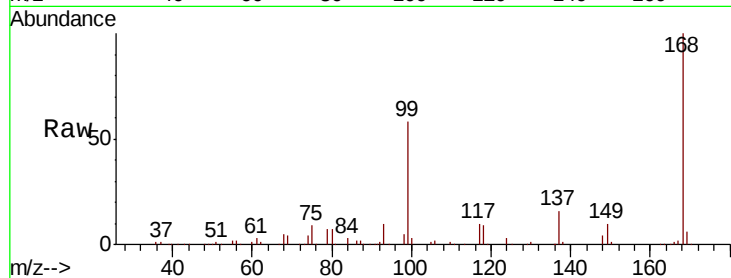
Tot Ion: 75 Resp: 15300

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.4#

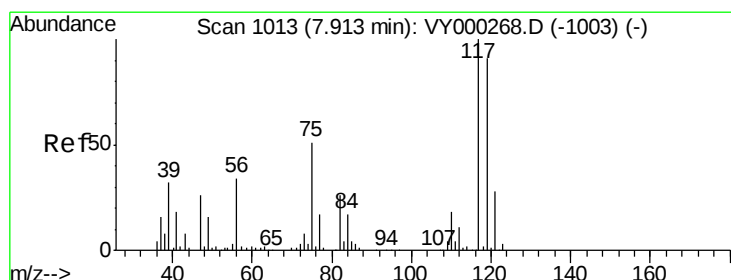
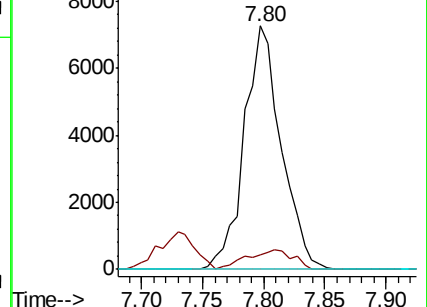
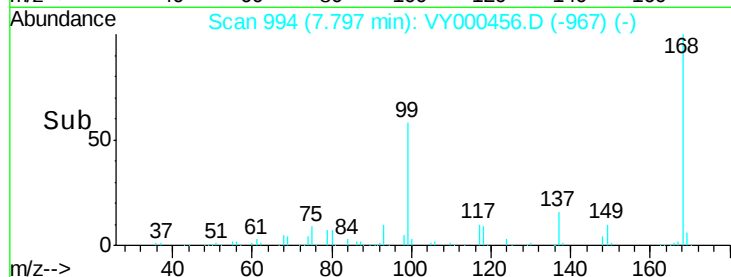
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000456.D (-967) (-)

Ion 109.90 (109.60 to 110.60): VY000456.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY000456.D (-967) (-)



#38

Carbon Tetrachloride

Concen: 5.713 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

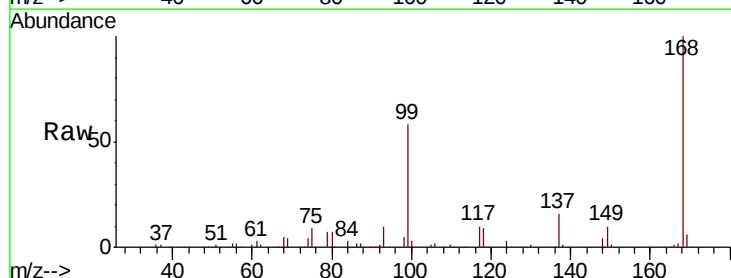
Tgt Ion: 117 Resp: 18555

Ion Ratio Lower Upper

117 100

119 4.1 72.8 109.2#

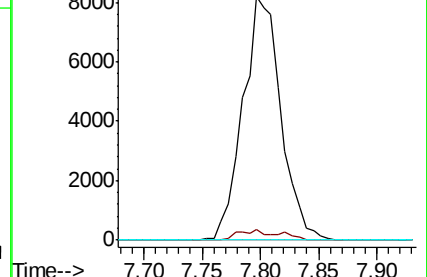
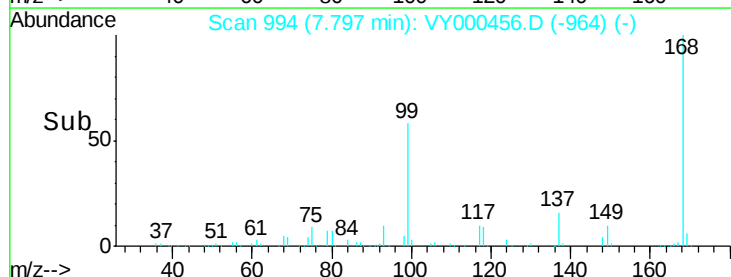
121 0.0 22.2 33.2#

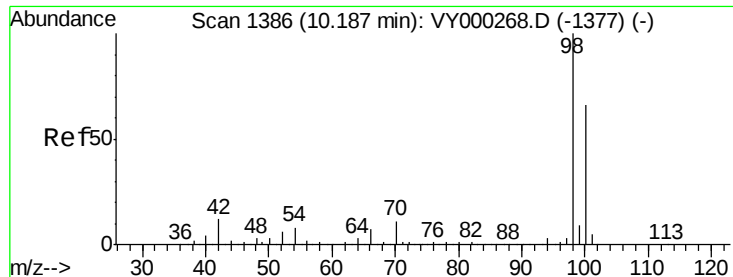


Abundance Ion 116.80 (116.50 to 117.50): VY000456.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000456.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000456.D (-964) (-)





#50

Toluene-d8

Concen: 49.068 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

Instrument :

MSVOA_Y

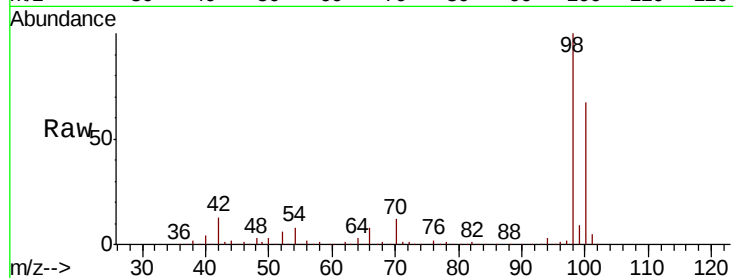
ClientSampled :

Tot Ion: 98 Resp: 390108

Ion Ratio Lower Upper

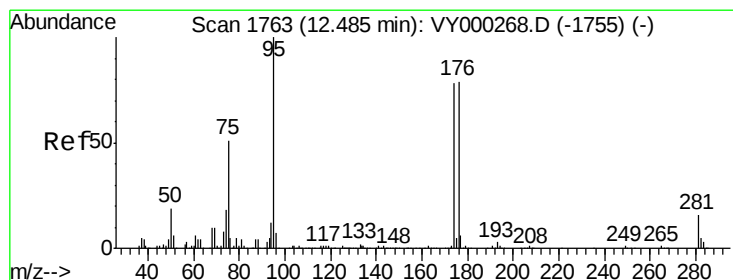
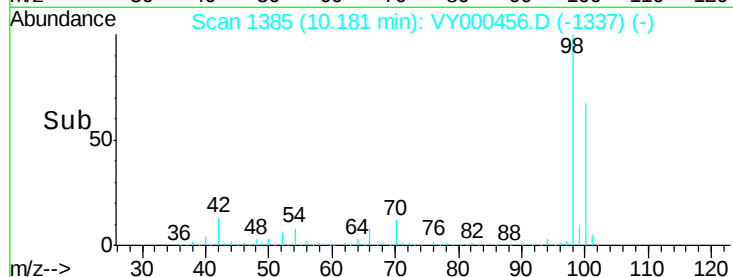
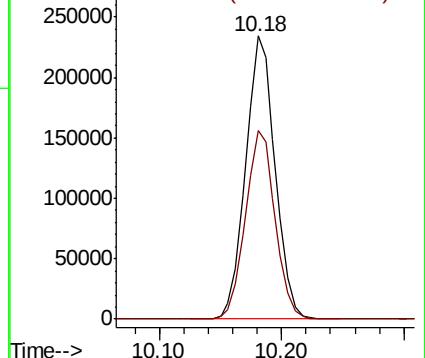
98 100

100 67.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 37.621 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

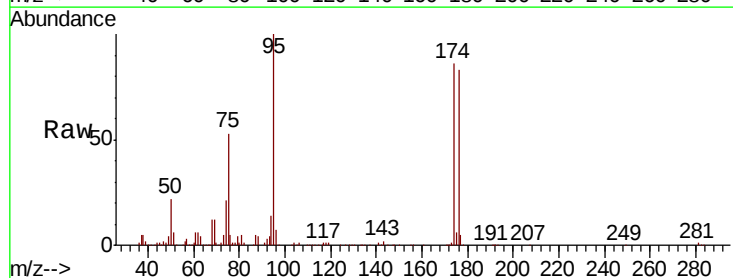
Tgt Ion: 95 Resp: 113633

Ion Ratio Lower Upper

95 100

174 87.1 0.0 159.6

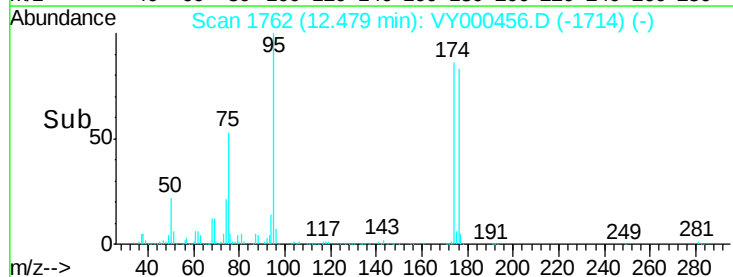
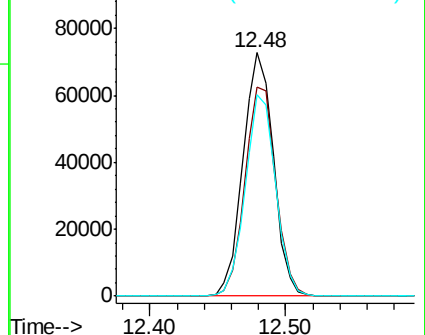
176 82.5 0.0 153.8

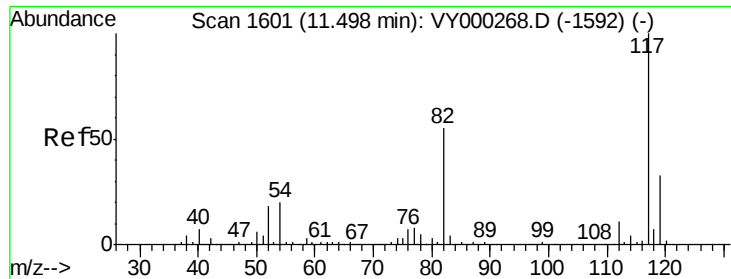


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

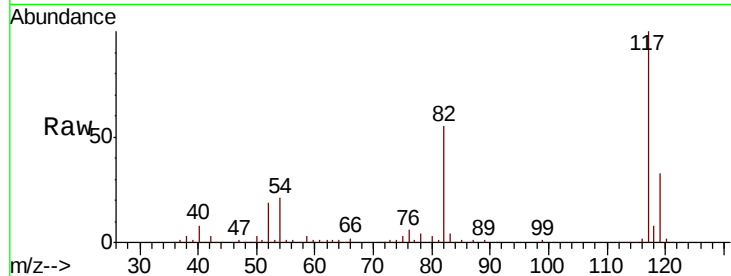




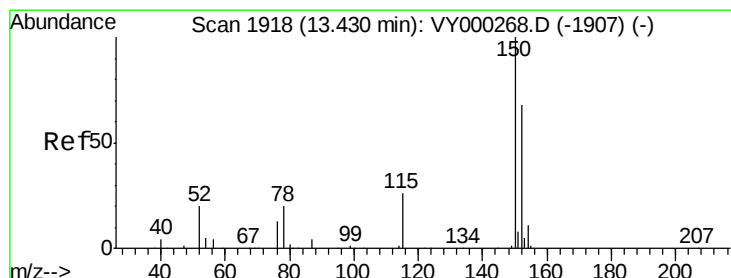
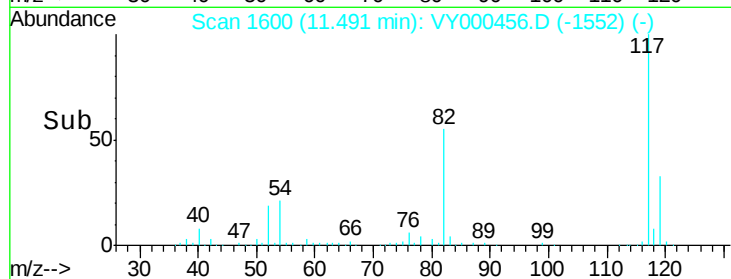
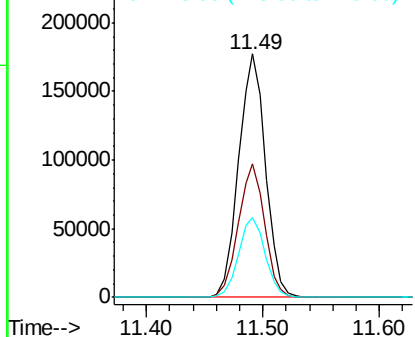
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000456.D
Acq: 28 Oct 2019 15:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 284211
Ion Ratio Lower Upper
117 100
82 54.7 43.7 65.5
119 32.6 26.6 39.8

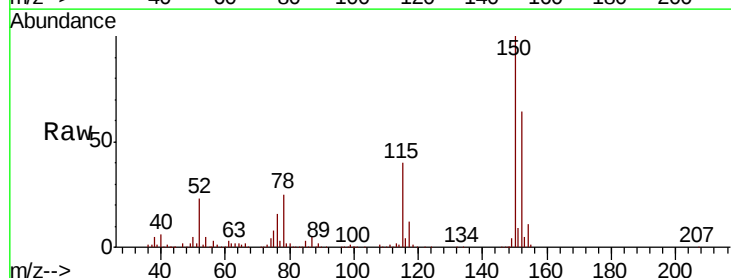


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

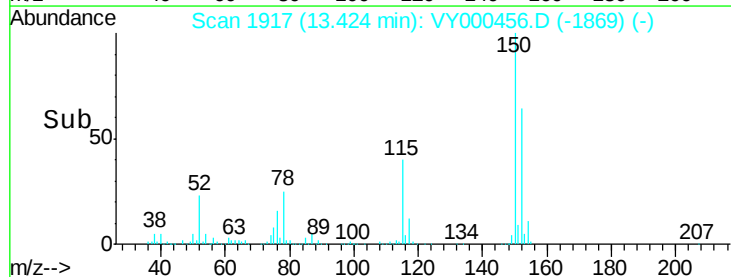
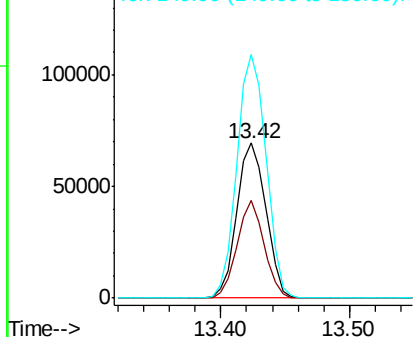


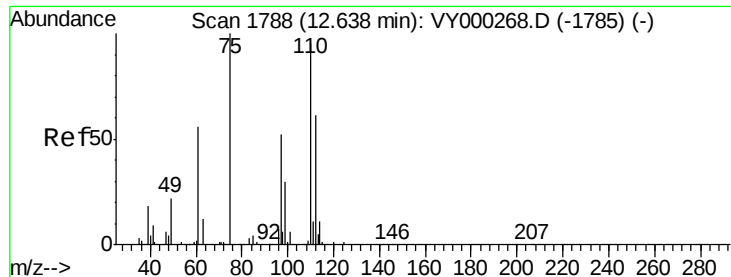
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000456.D
Acq: 28 Oct 2019 15:47

Tgt Ion:152 Resp: 108825
Ion Ratio Lower Upper
152 100
115 58.7 29.3 88.0
150 157.2 0.0 348.4



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: 45.355 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

Instrument :

MSVOA_Y

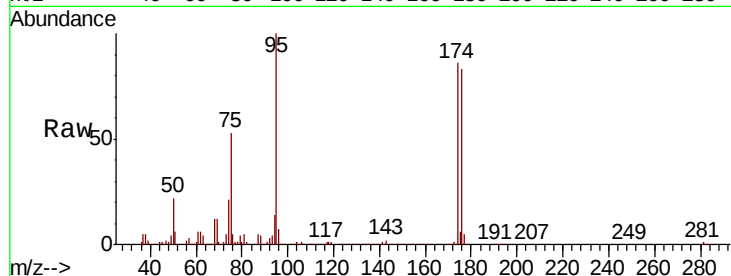
ClientSampleId :

Tot Ion: 75 Resp: 60693

Ion Ratio Lower Upper

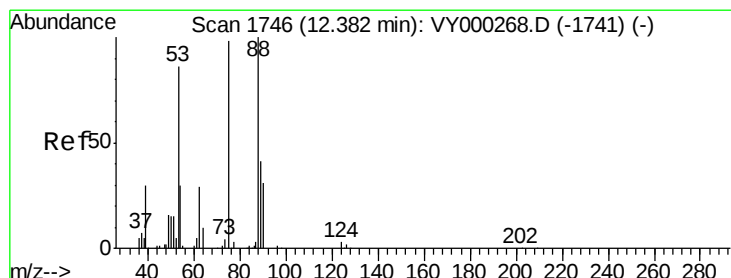
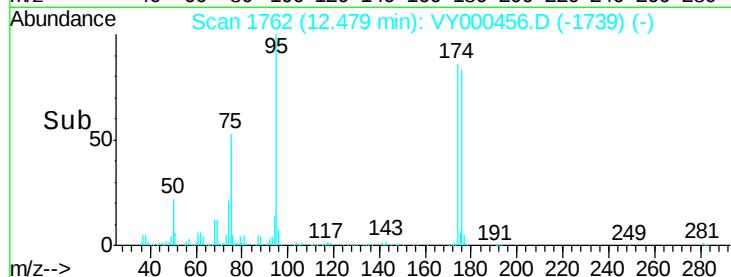
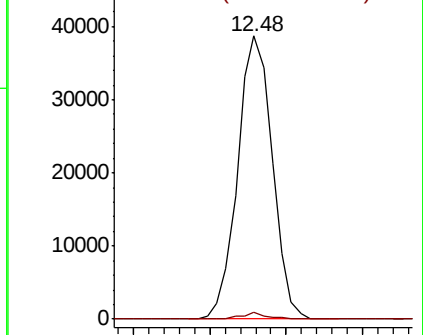
75 100

77 1.6 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: 99.235 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000456.D

Acq: 28 Oct 2019 15:47

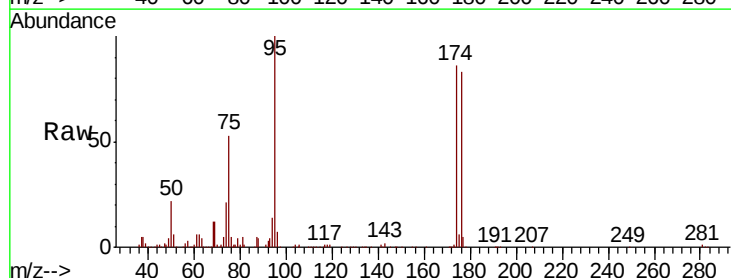
Tgt Ion: 75 Resp: 60693

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#



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

