

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
 Data File : VY000368.D
 Acq On : 22 Oct 2019 16:53
 Operator : SY/MD
 Sample : K5494-01
 Misc : 6.39G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FT

Quant Time: Oct 23 08:03:43 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	38437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	57154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	41877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	17483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	17773	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	
35) Dibromofluoromethane	7.74	113	14252	41.34	ug/l	0.00
Spiked Amount			Recovery	=	82.68%	
50) Toluene-d8	10.19	98	61147	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	12.49	95	17363	34.46	ug/l	0.00
Spiked Amount			Recovery	=	68.92%	

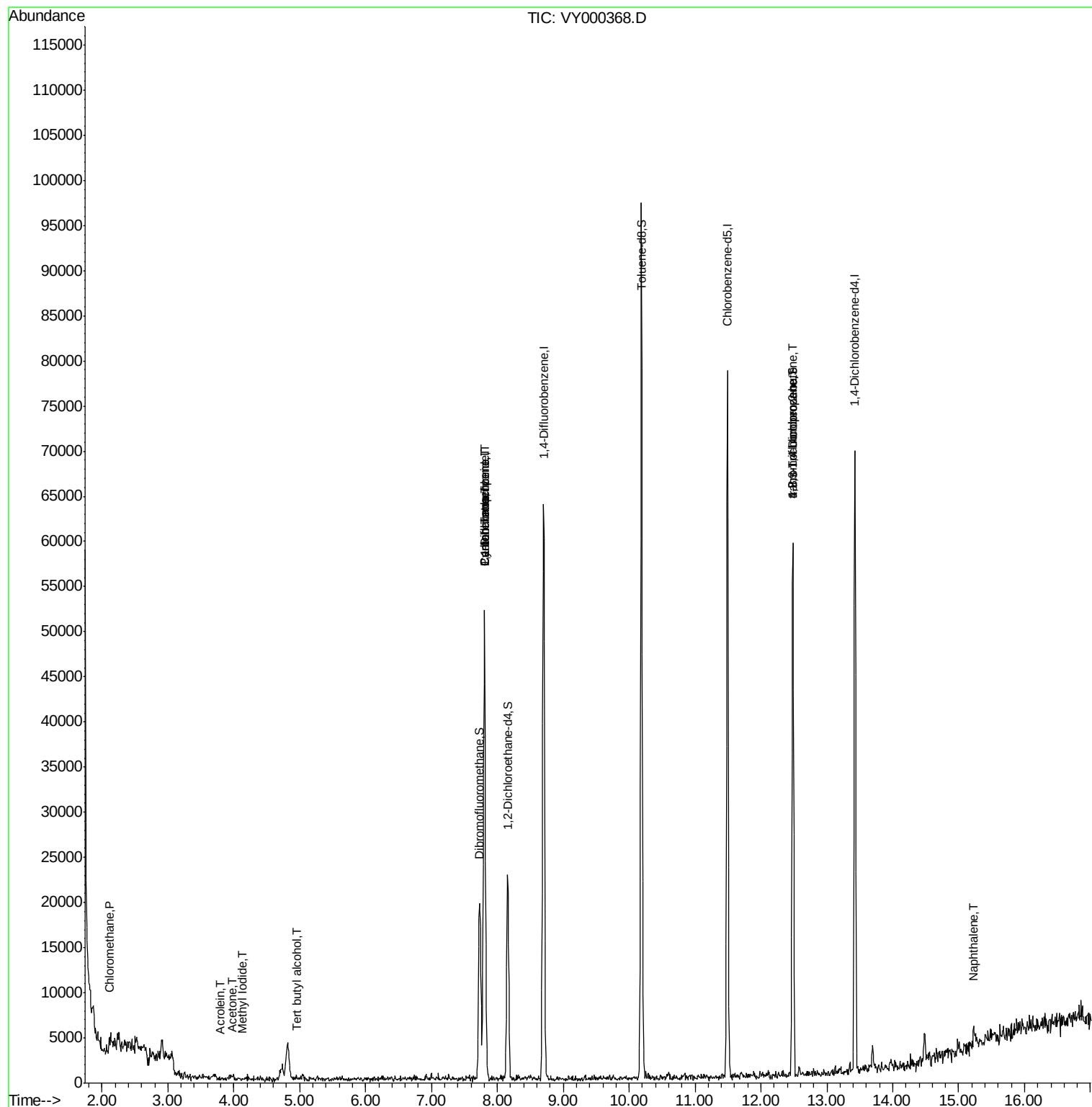
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	742	1.580	ug/l	97
10) Methyl Iodide	4.12	142	60	1.290	ug/l #	81
11) Tert butyl alcohol	4.95	59	49	1.155	ug/l #	73
13) Acrolein	3.80	56	50	1.005	ug/l #	64
16) Acetone	3.97	43	657	5.004	ug/l #	42
20) Methylene Chloride	4.74	84	680	Below Cal	#	64
31) Cyclohexane	7.80	56	820	1.057	ug/l #	14
36) 1,1-Dichloropropene	7.80	75	3351	5.988	ug/l #	46
38) Carbon Tetrachloride	7.81	117	3346	6.176	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	9290	43.213	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	9290	94.549	ug/l #	14
95) Naphthalene	15.23	128	1465	1.743	ug/l #	95

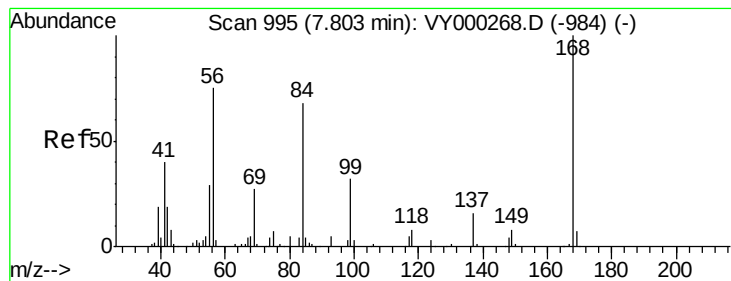
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
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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: VY000368.D

Acq: 22 Oct 2019 16:53

Instrument :

MSVOA_Y

ClientSampleId :

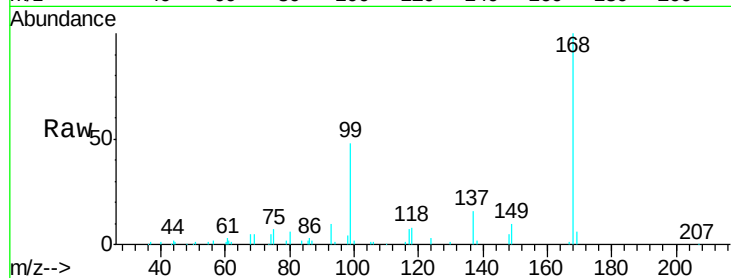
TP1-2FT

Tgt Ion:168 Resp: 38437

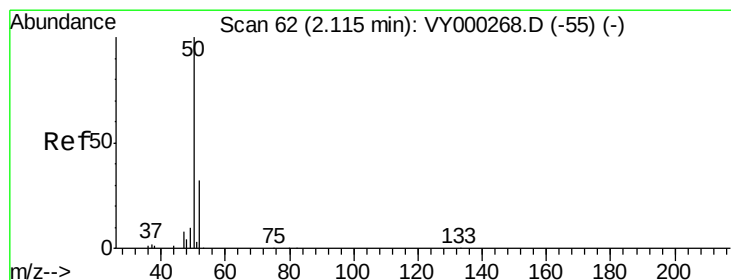
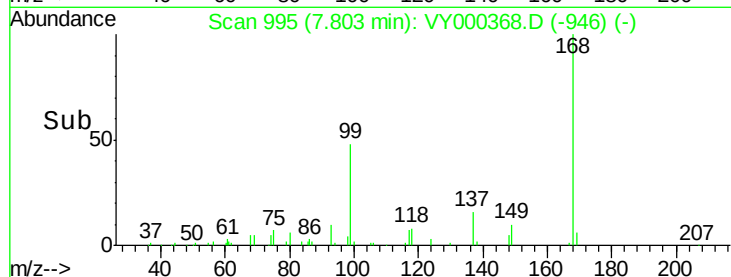
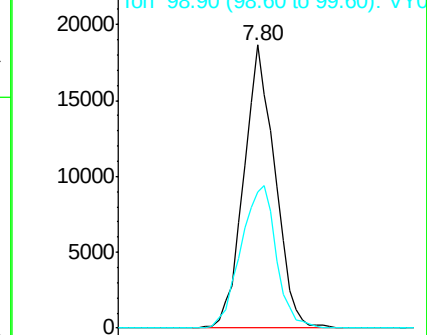
Ion Ratio Lower Upper

168 100

99 48.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000368.D (-984) (-)



#3

Chloromethane

Concen: 1.580 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000368.D

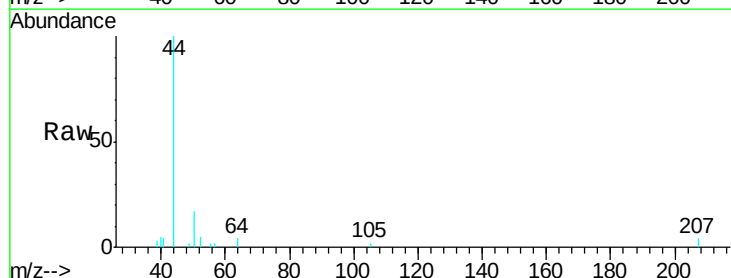
Acq: 22 Oct 2019 16:53

Tgt Ion: 50 Resp: 742

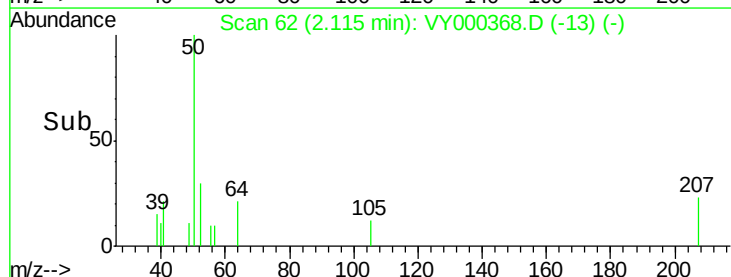
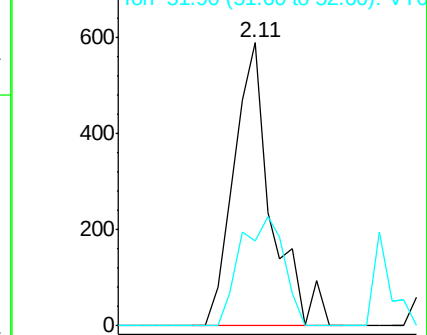
Ion Ratio Lower Upper

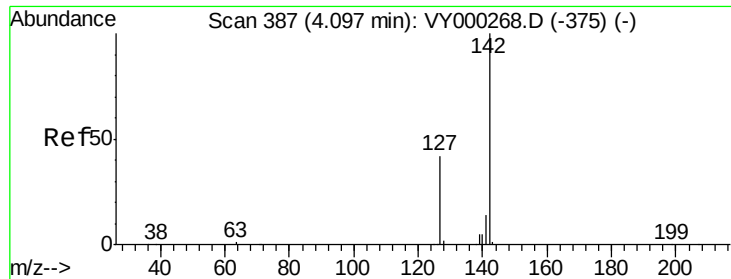
50 100

52 30.1 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY000368.D (-55) (-)

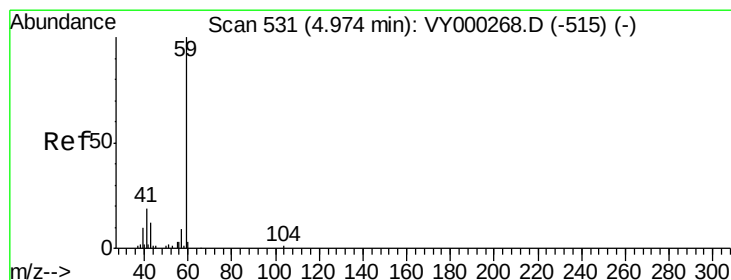
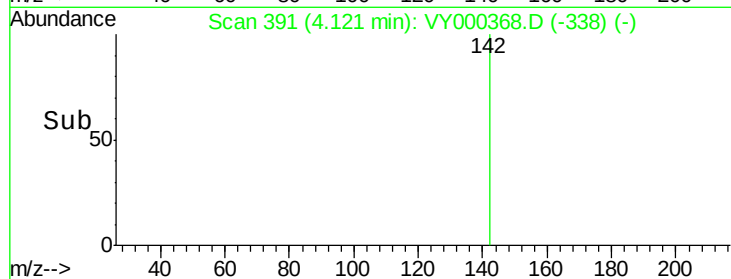
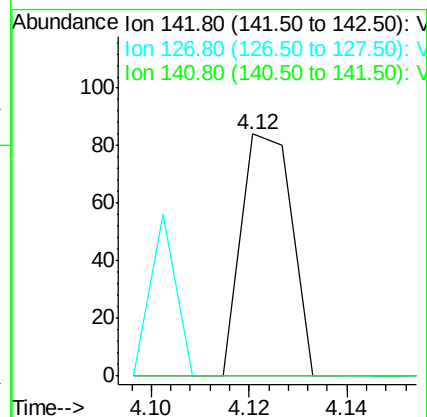
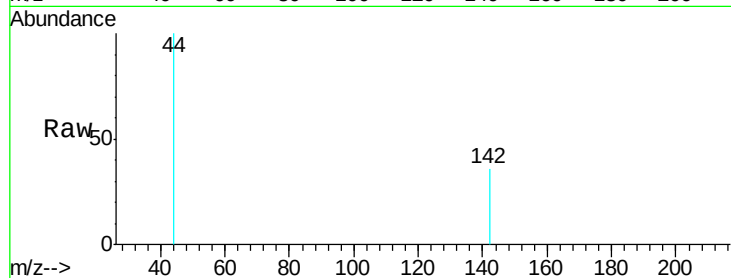




#10
Methyl Iodide
Concen: 1.290 ug/l
RT: 4.12 min Scan# 391
Delta R.T. 0.02 min
Lab File: VY000368.D
Acq: 22 Oct 2019 16:53

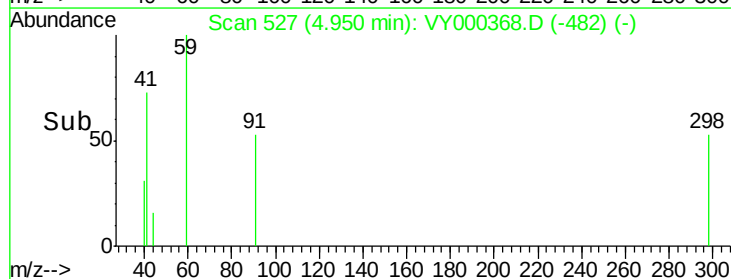
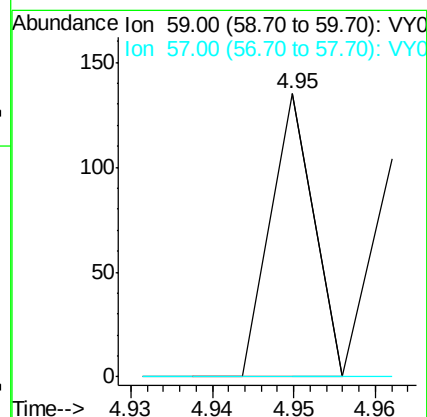
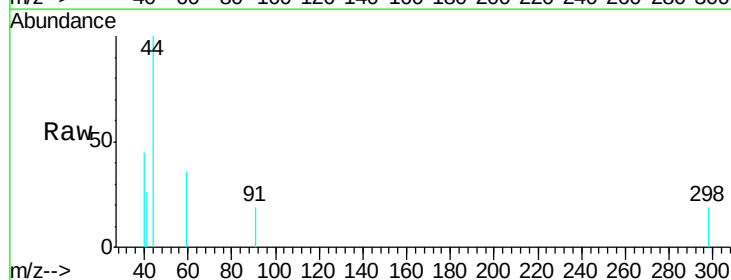
Instrument :
MSVOA_Y
ClientSampled :
TP1-2FT

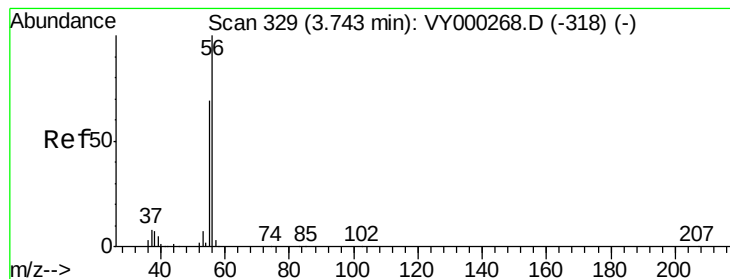
Tgt Ion: 142 Resp: 60
Ion Ratio Lower Upper
142 100
127 33.3 33.9 50.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 1.155 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000368.D
Acq: 22 Oct 2019 16:53

Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 1.005 ug/l

RT: 3.80 min Scan# 338

Delta R.T. 0.05 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

Instrument :

MSVOA_Y

ClientSampleId :

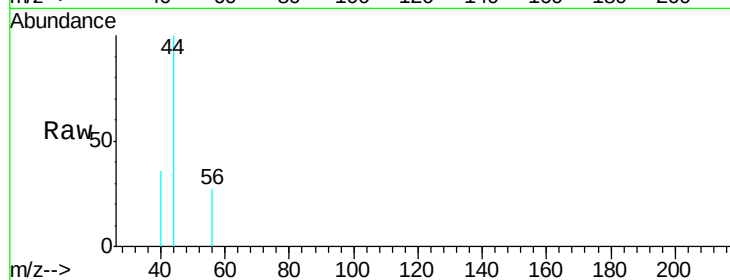
TP1-2FT

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

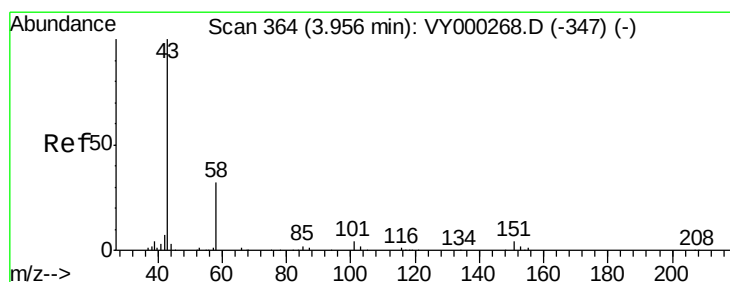
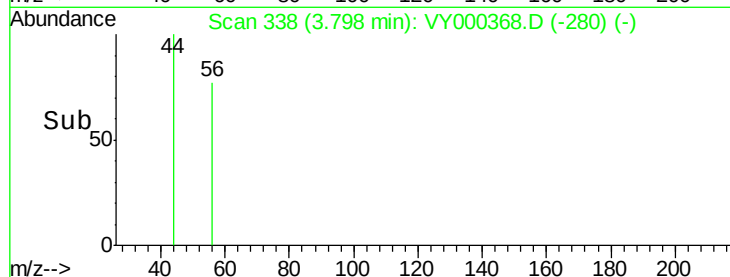
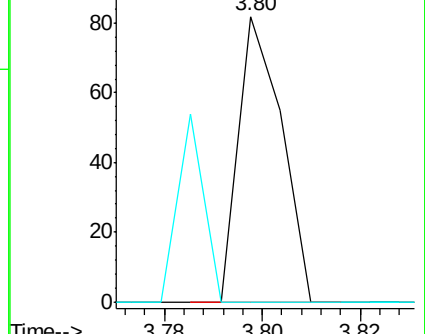
56 100

55 40.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 5.004 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000368.D

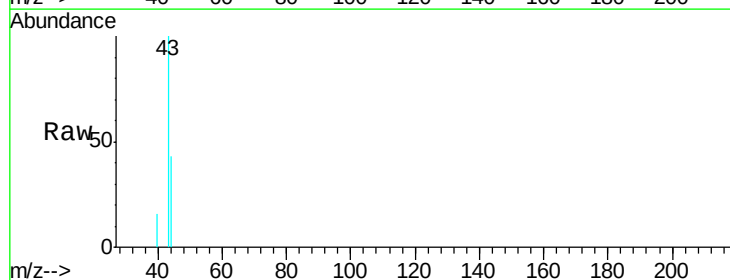
Acq: 22 Oct 2019 16:53

Tgt Ion: 43 Resp: 657

Ion Ratio Lower Upper

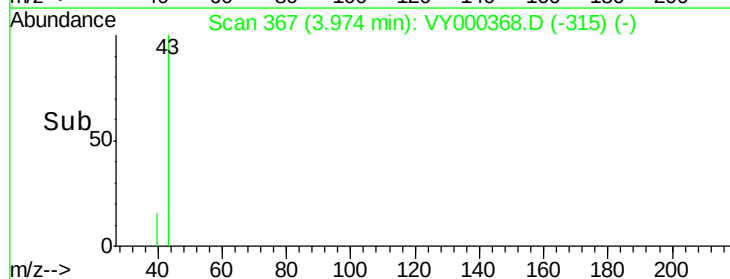
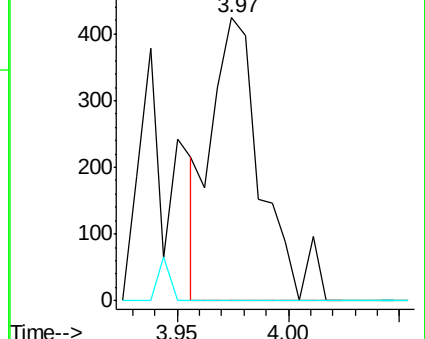
43 100

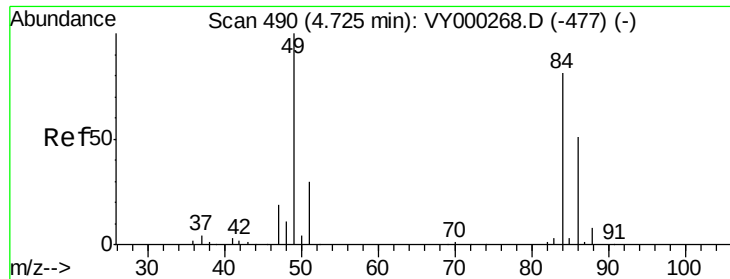
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

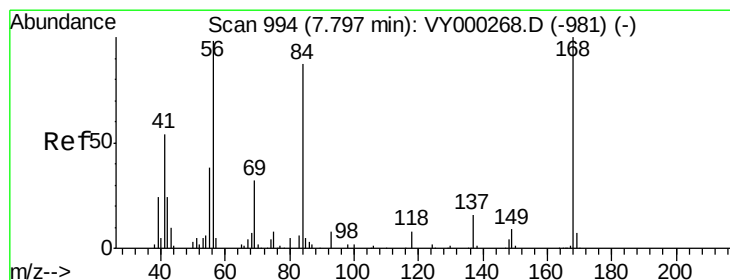
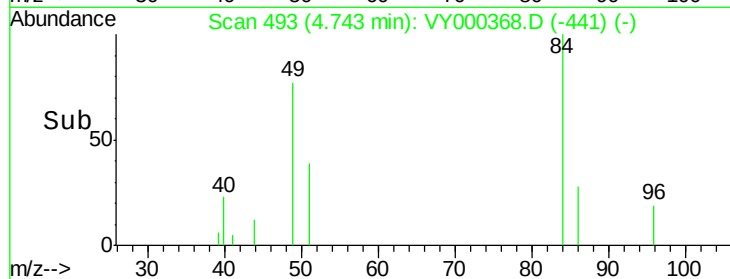
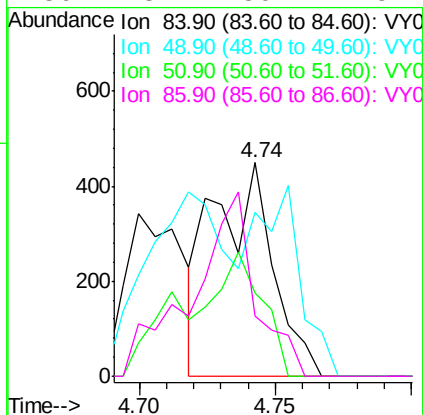
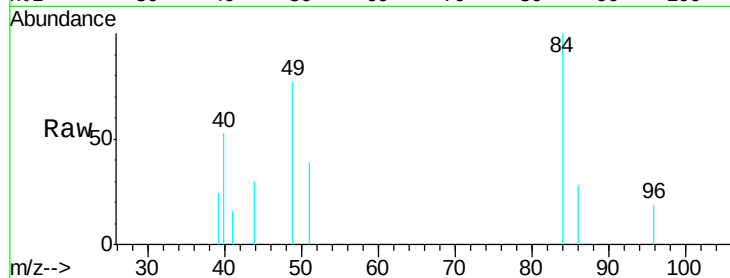




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.02 min
Lab File: VY000368.D
Acq: 22 Oct 2019 16:53

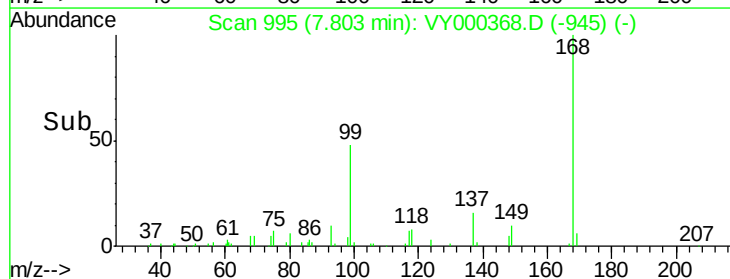
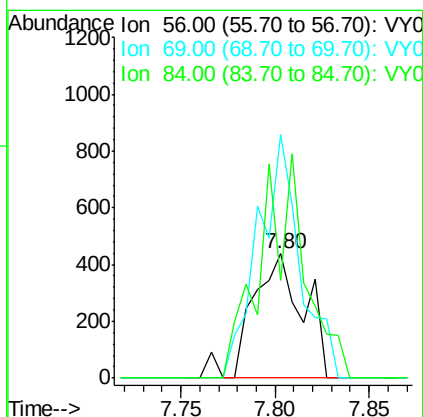
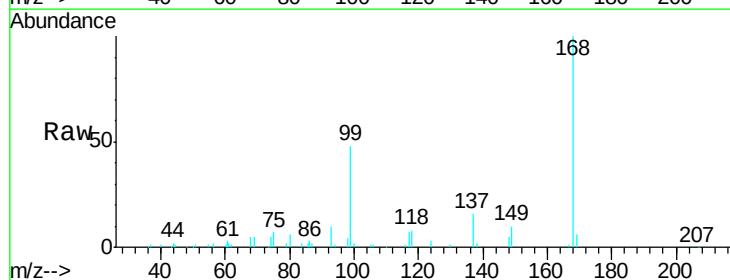
Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FT

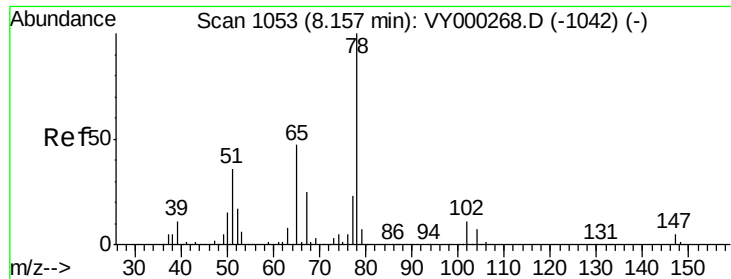
Tgt Ion: 84 Resp: 680
Ion Ratio Lower Upper
84 100
49 76.9 99.0 148.4#
51 38.9 29.3 43.9
86 28.2 50.2 75.4#



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000368.D
Acq: 22 Oct 2019 16:53

Tgt Ion: 56 Resp: 820
Ion Ratio Lower Upper
56 100
69 196.3 26.3 39.5#
84 78.7 70.8 106.2

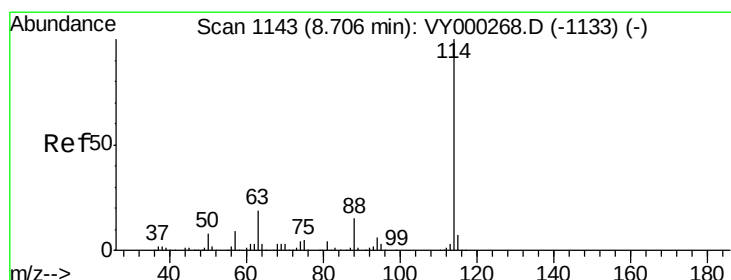
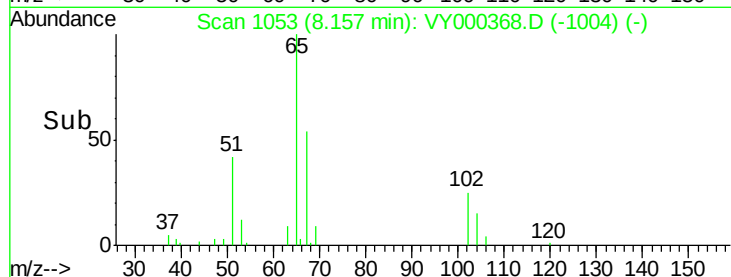
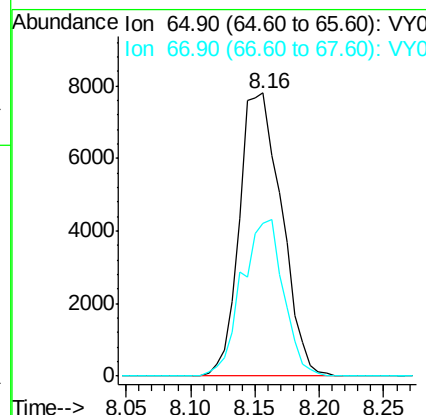
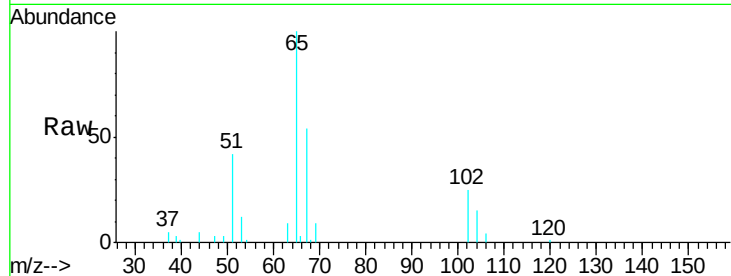




#33
 1,2-Dichloroethane-d4
 Concen: 43.835 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000368.D
 Acq: 22 Oct 2019 16:53

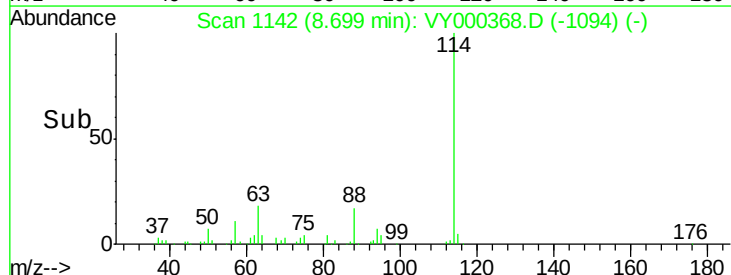
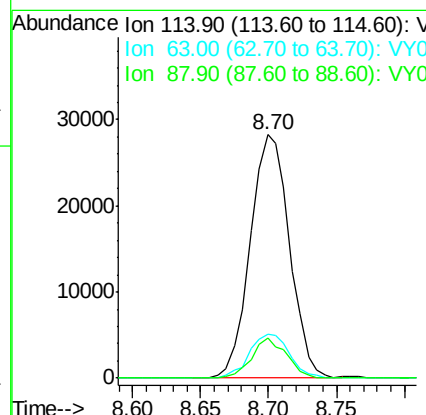
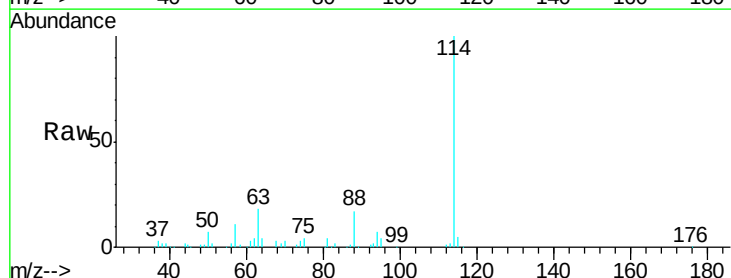
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FT

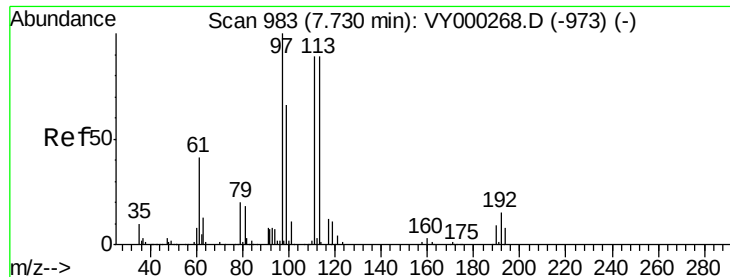
Tgt Ion: 65 Resp: 17773
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000368.D
 Acq: 22 Oct 2019 16:53

Tgt Ion: 114 Resp: 57154
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.2
 88 16.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 41.339 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FT

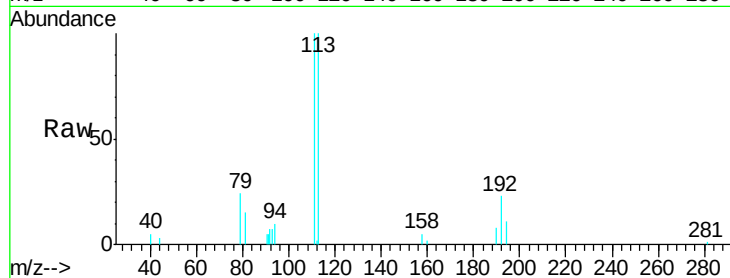
Tgt Ion:113 Resp: 14252

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

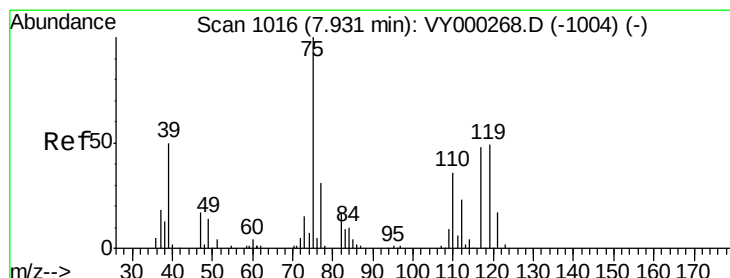
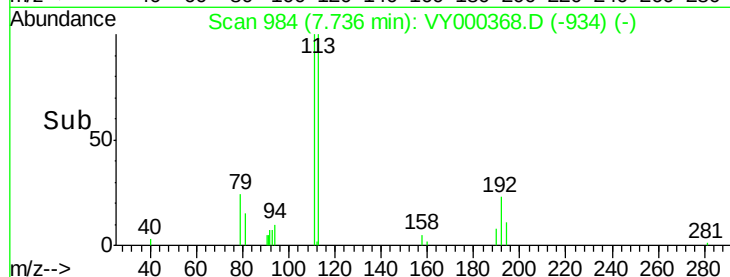
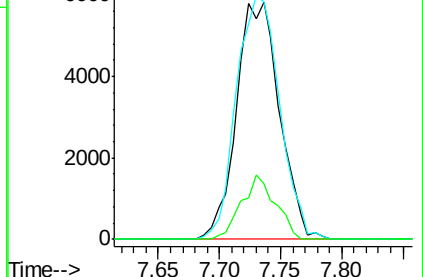
192 21.2 15.3 22.9



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: 5.988 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

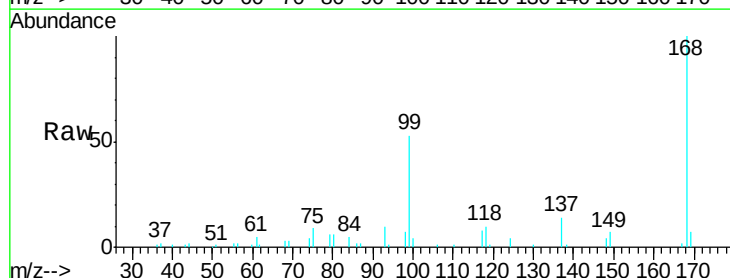
Tgt Ion: 75 Resp: 3351

Ion Ratio Lower Upper

75 100

110 6.1 18.4 55.4#

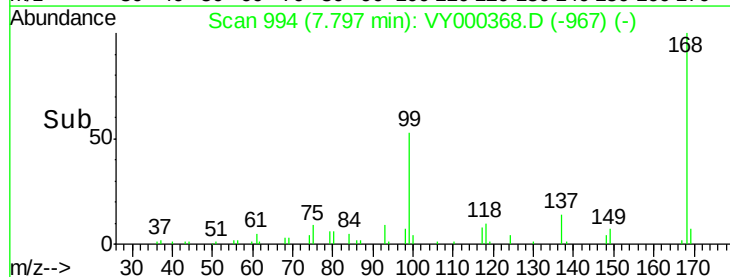
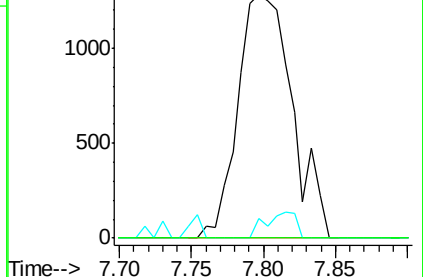
77 0.0 25.0 37.6#

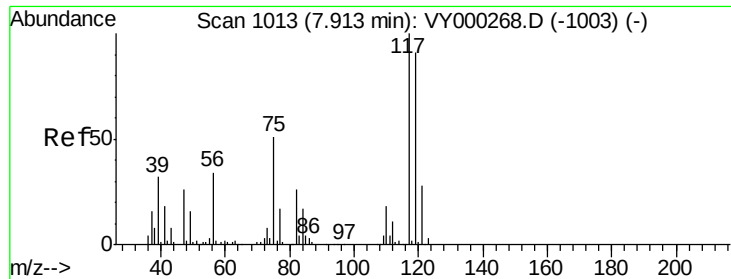


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

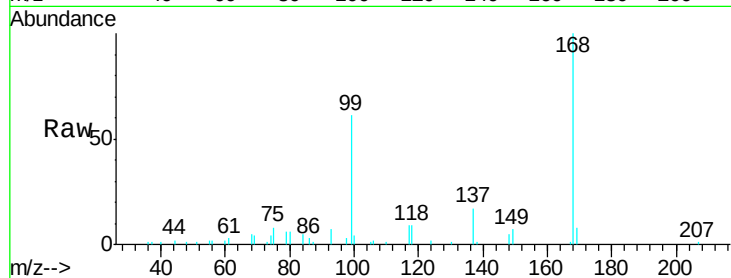




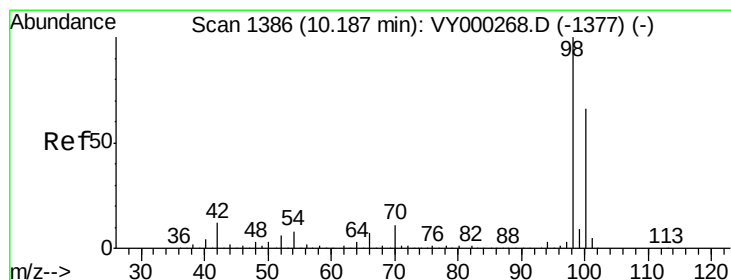
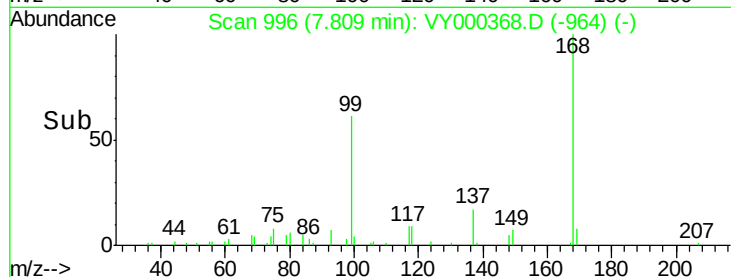
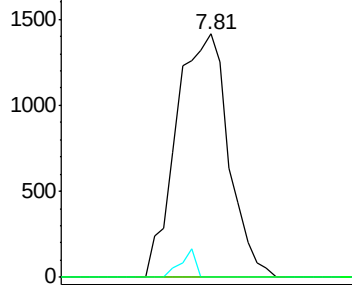
#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY000368.D
Acq: 22 Oct 2019 16:53

Instrument :
MSVOA_Y
ClientSampled :
TP1-2FT

Tgt Ion:117 Resp: 3346
Ion Ratio Lower Upper
117 100
119 0.0 72.8 109.2#
121 0.0 22.2 33.2#

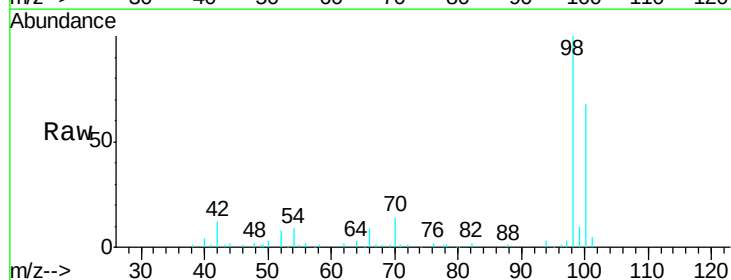


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

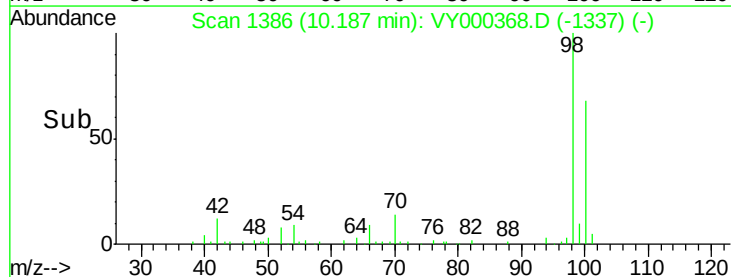
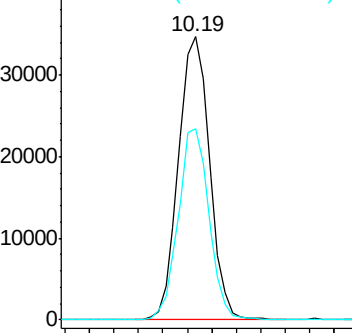


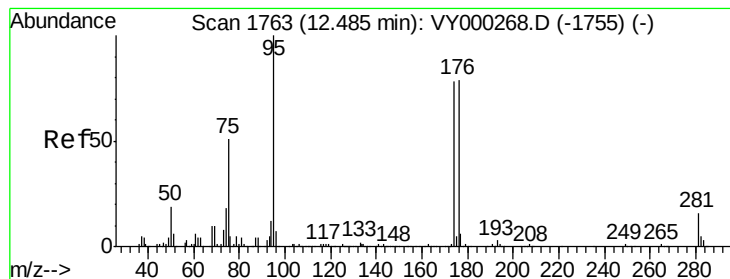
#50
Toluene-d8
Concen: 46.107 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000368.D
Acq: 22 Oct 2019 16:53

Tgt Ion: 98 Resp: 61147
Ion Ratio Lower Upper
98 100
100 66.5 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: 34.462 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FT

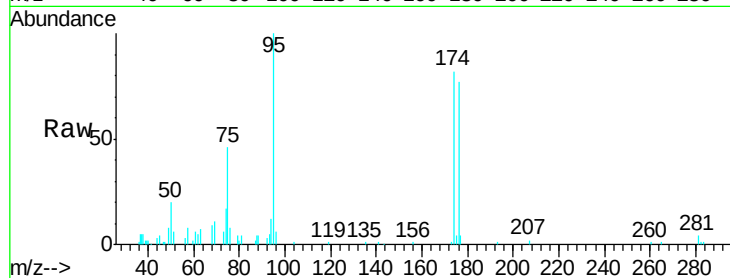
Tgt Ion: 95 Resp: 17363

Ion Ratio Lower Upper

95 100

174 82.0 0.0 159.6

176 77.7 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000368.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY000368.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000368.D (-1755) (-)

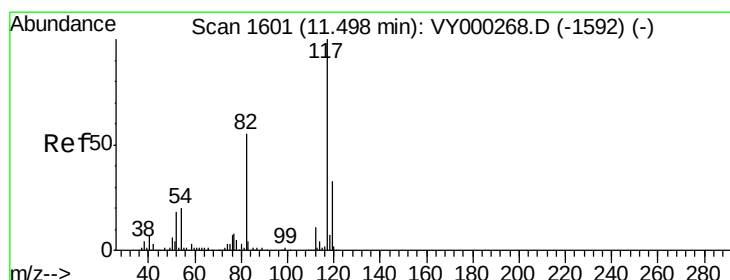
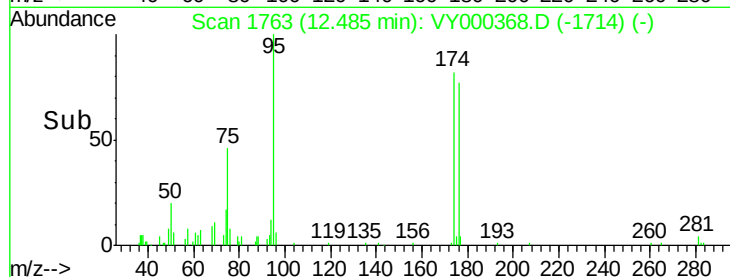
12.49

10000

5000

0

Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

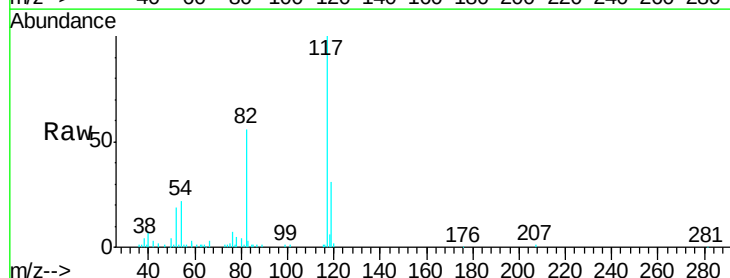
Tgt Ion: 117 Resp: 41877

Ion Ratio Lower Upper

117 100

82 55.8 43.7 65.5

119 30.7 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): VY000368.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY000368.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY000368.D (-1592) (-)

11.49

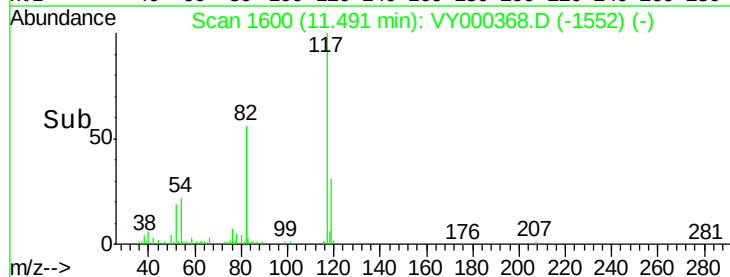
30000

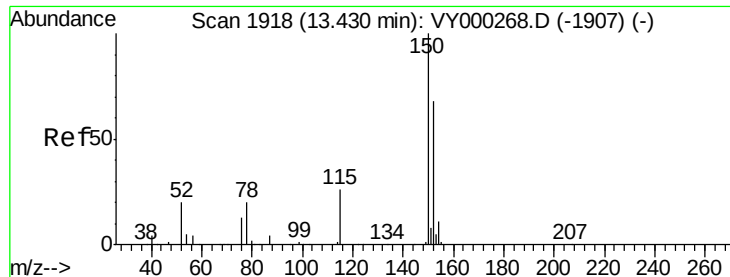
20000

10000

0

Time--> 11.40 11.50 11.60





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FT

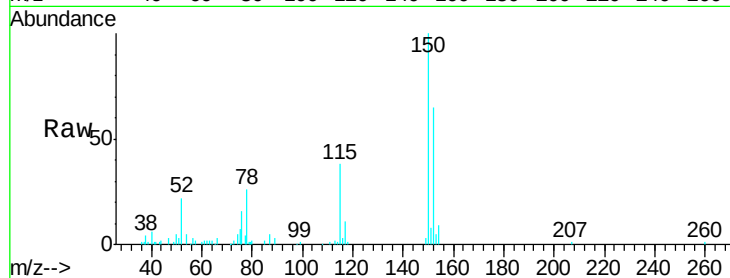
Tgt Ion: 152 Resp: 17483

Ion Ratio Lower Upper

152 100

115 58.4 29.3 88.0

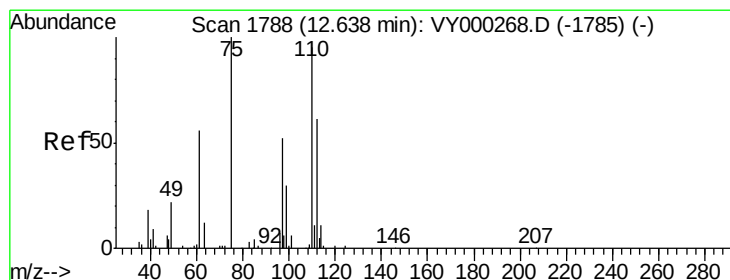
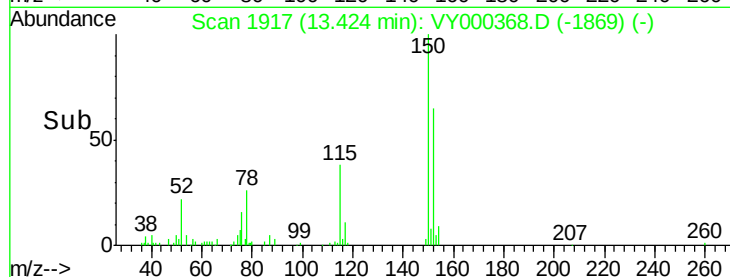
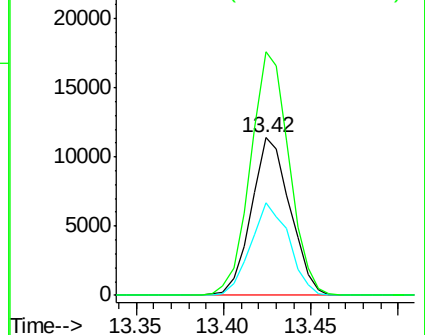
150 154.7 0.0 348.4



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: 43.213 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000368.D

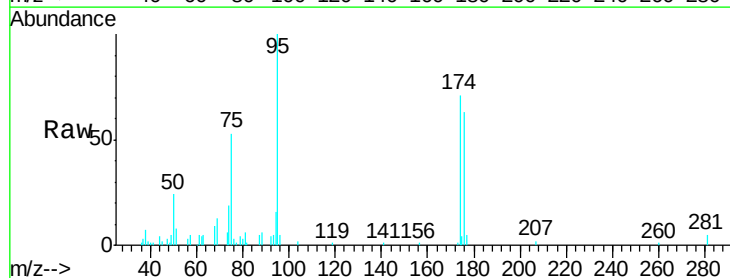
Acq: 22 Oct 2019 16:53

Tgt Ion: 75 Resp: 9290

Ion Ratio Lower Upper

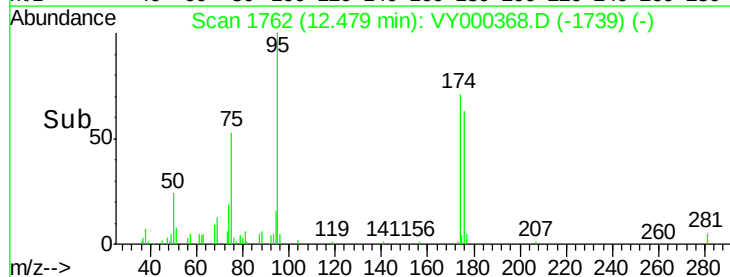
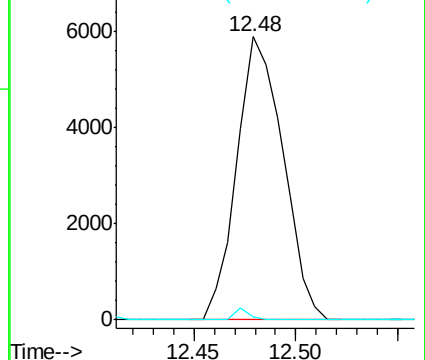
75 100

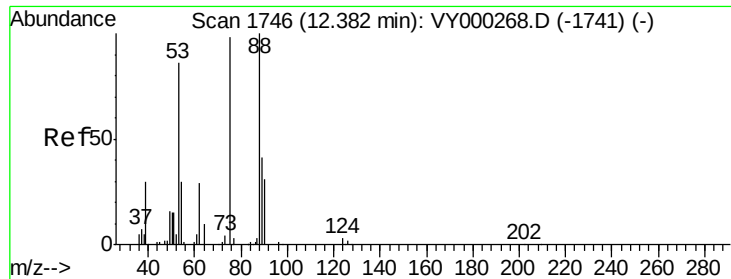
77 1.3 0.0 0.0#



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: 94.549 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FT

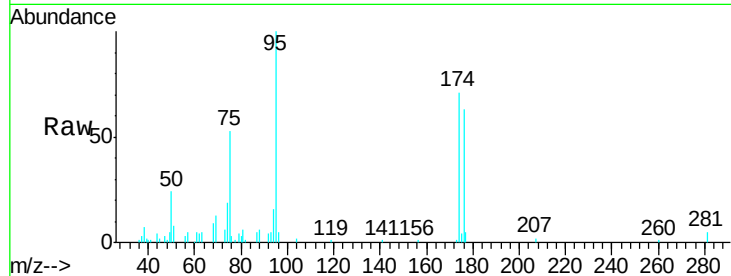
Tgt Ion: 75 Resp: 9290

Ion Ratio Lower Upper

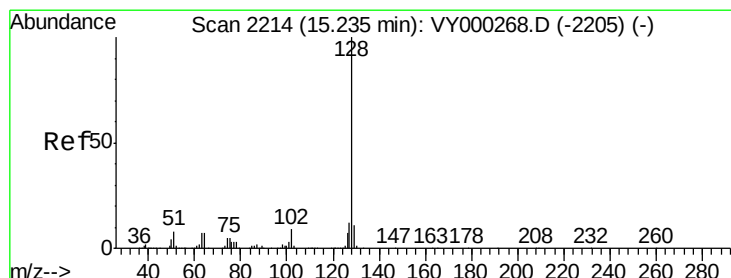
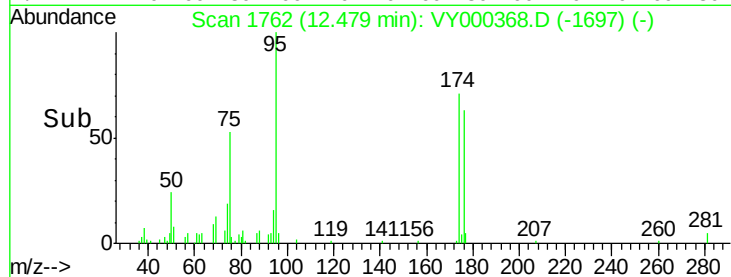
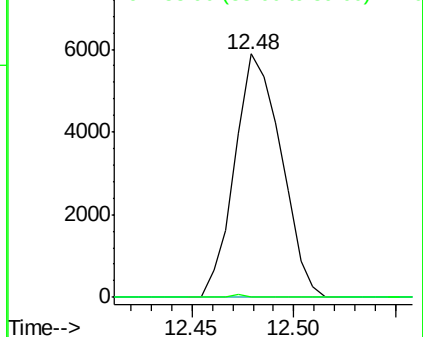
75 100

53 0.0 71.3 106.9#

89 0.3 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



#95

Naphthalene

Concen: 1.743 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000368.D

Acq: 22 Oct 2019 16:53

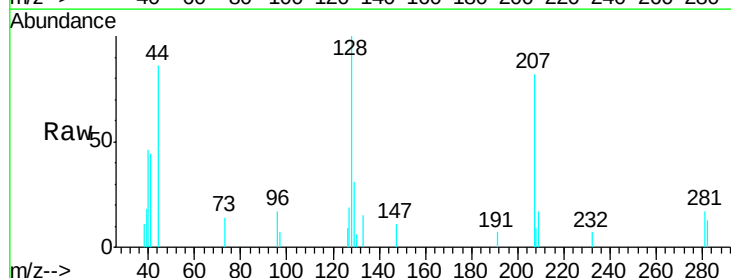
Tgt Ion: 128 Resp: 1465

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

129 14.1 8.7 13.1#



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

