

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000296.D
 Acq On : 14 Oct 2019 14:03
 Operator : SY/MD
 Sample : K5350-05RE
 Misc : 8.22g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:14:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	238991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	446388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	384398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	164562	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	148730	59.00	ug/l	0.00
Spiked Amount			Recovery	=	118.00%	
35) Dibromofluoromethane	7.73	113	133716	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.19	98	514535	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.49	95	170927	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	

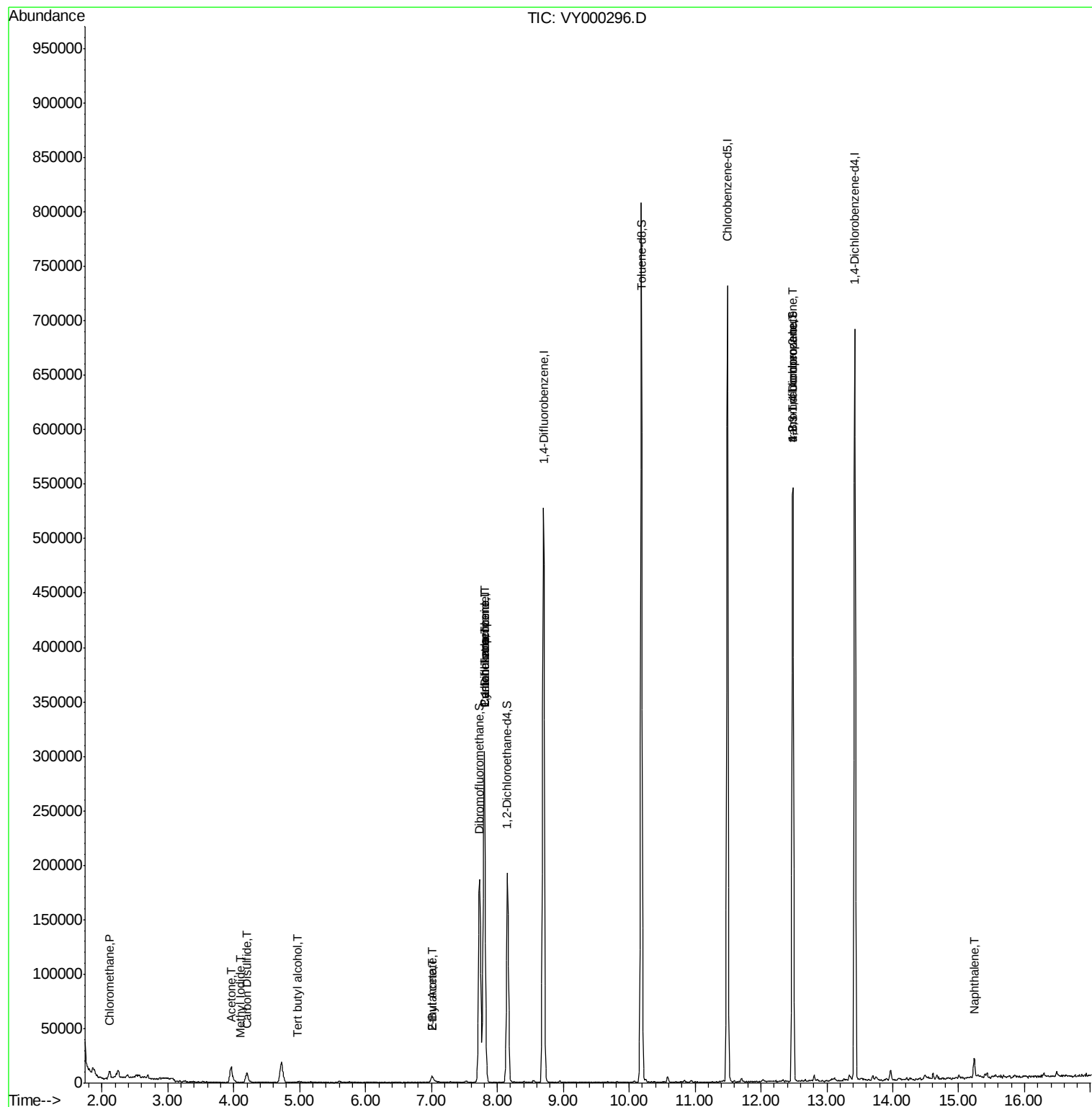
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.93	85	108	Below Cal	#	41
3) Chloromethane	2.11	50	5747	1.968	ug/l #	79
10) Methyl Iodide	4.10	142	88	1.211	ug/l #	41
11) Tert butyl alcohol	4.97	59	1044	3.957	ug/l #	77
16) Acetone	3.96	43	24071	29.484	ug/l	90
17) Carbon Disulfide	4.20	76	16345	2.151	ug/l	99
25) 2-Butanone	7.01	43	9919	8.625	ug/l #	82
31) Cyclohexane	7.80	56	5833	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18395	4.209	ug/l #	50
37) Ethyl Acetate	7.01	43	9919	3.833	ug/l #	67
38) Carbon Tetrachloride	7.80	117	23116	5.463	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	91260	45.099	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91260	98.675	ug/l #	14
95) Naphthalene	15.23	128	12167	1.538	ug/l #	94

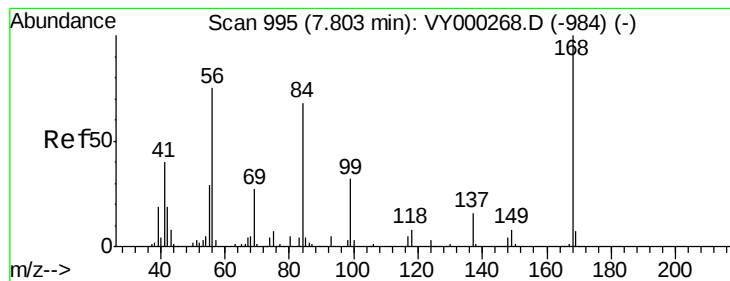
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
Data File : VY000296.D
Acq On : 14 Oct 2019 14:03
Operator : SY/MD
Sample : K5350-05RE
Misc : 8.22g/5.00ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 15 01:14:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 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: VY000296.D

Acq: 14 Oct 2019 14:03

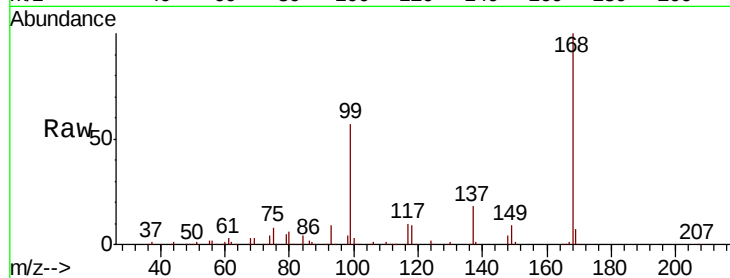
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 238991

Ion Ratio Lower Upper

168 100

99 57.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

120000

100000

80000

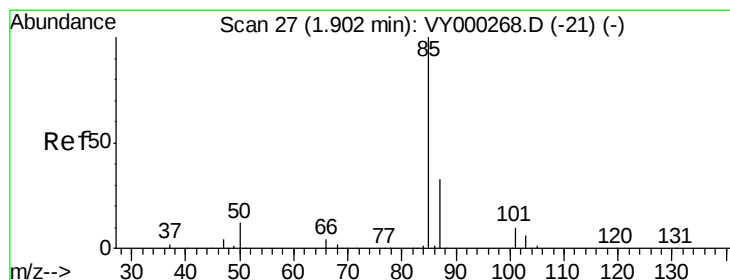
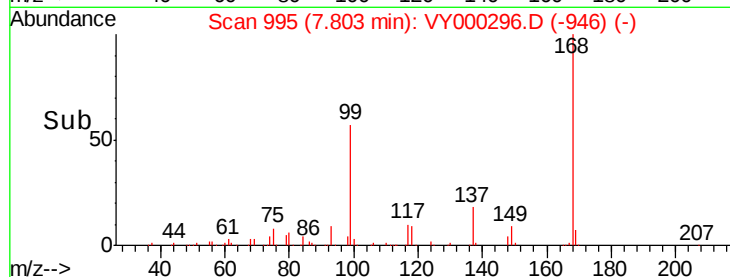
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.93 min Scan# 31

Delta R.T. 0.03 min

Lab File: VY000296.D

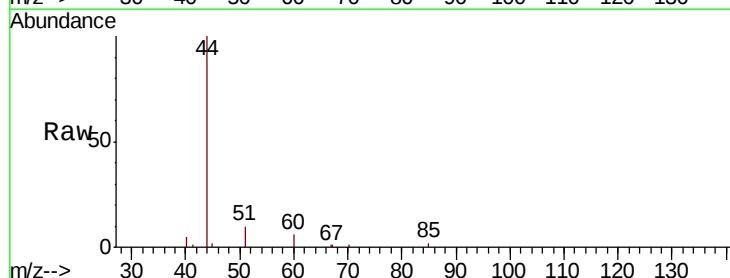
Acq: 14 Oct 2019 14:03

Tgt Ion: 85 Resp: 108

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.93

100

80

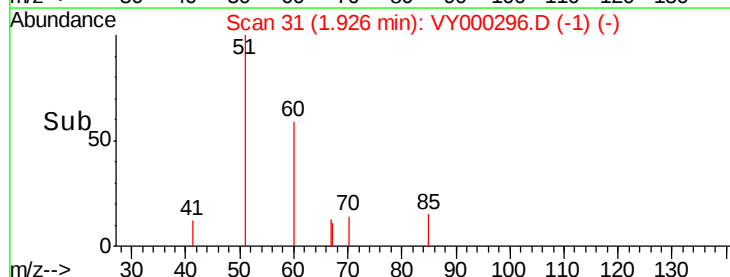
60

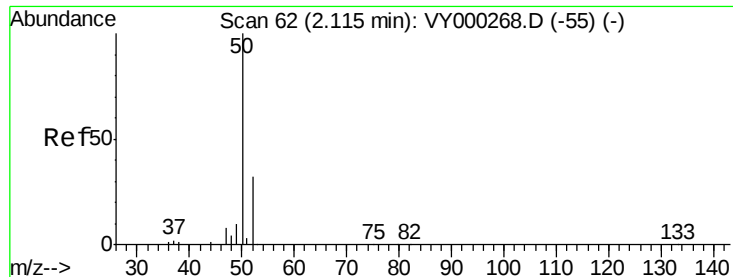
40

20

0

Time-->





#3

Chloromethane

Concen: 1.968 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

Instrument :

MSVOA_Y

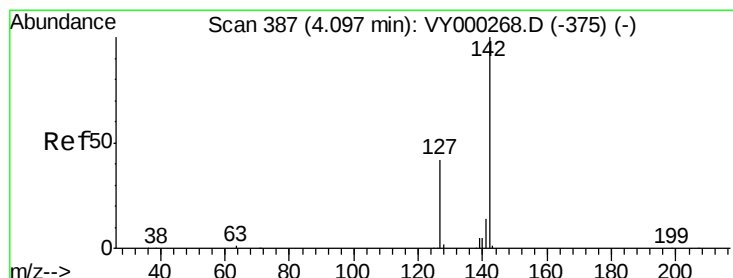
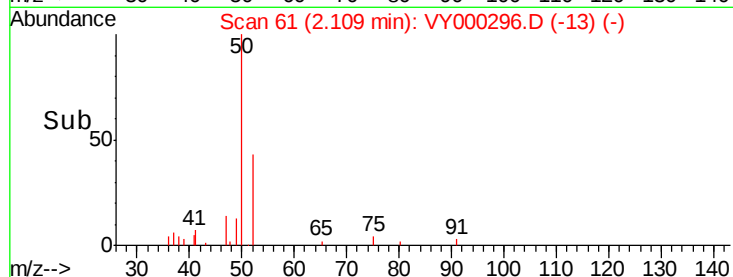
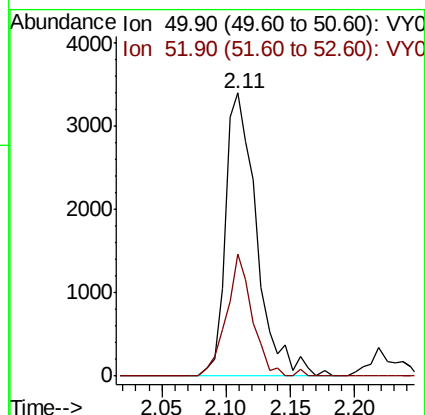
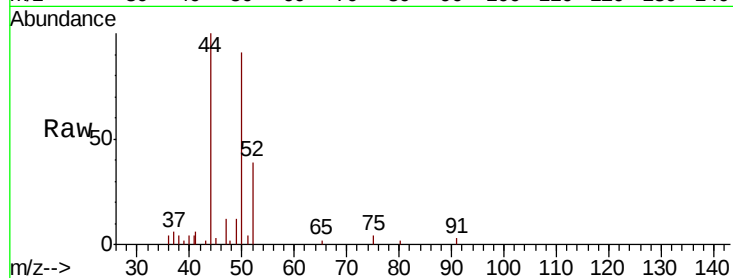
ClientSampleId :

Tot Ion: 50 Resp: 5747

Ion Ratio Lower Upper

50 100

52 43.2 25.3 37.9#



#10

Methyl Iodide

Concen: 1.211 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

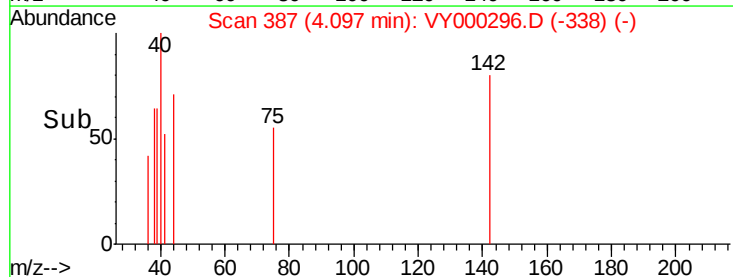
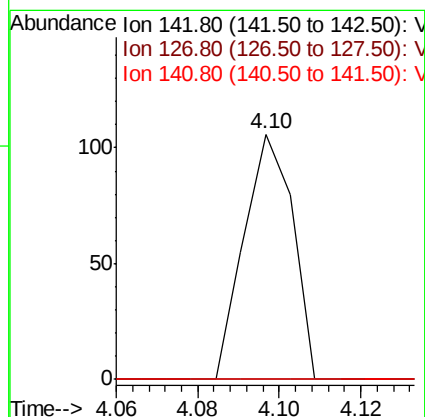
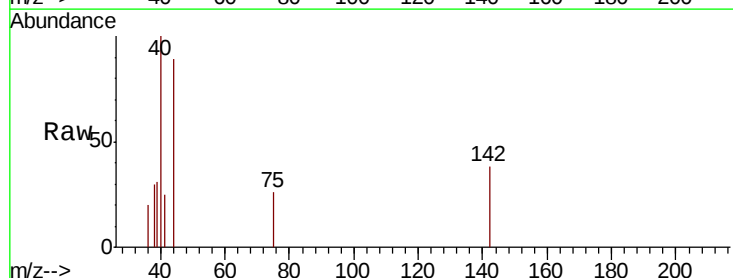
Tgt Ion: 142 Resp: 88

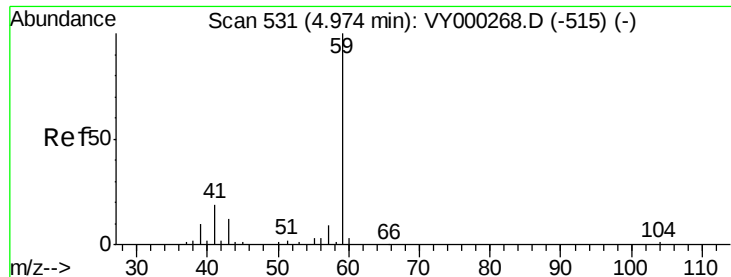
Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

141 0.0 11.2 16.8#



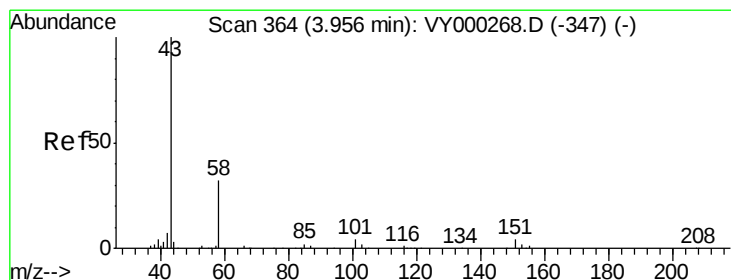
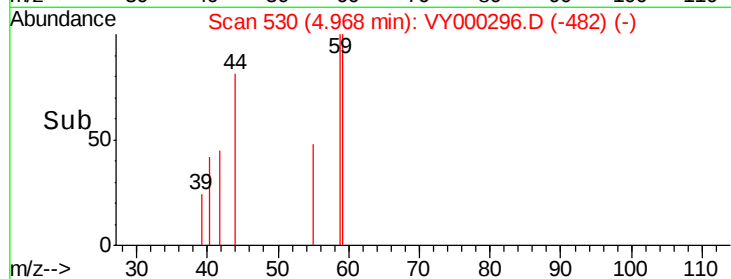
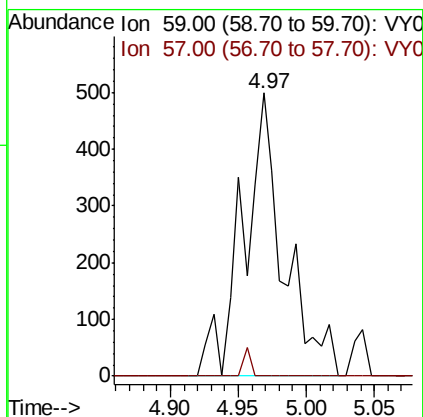
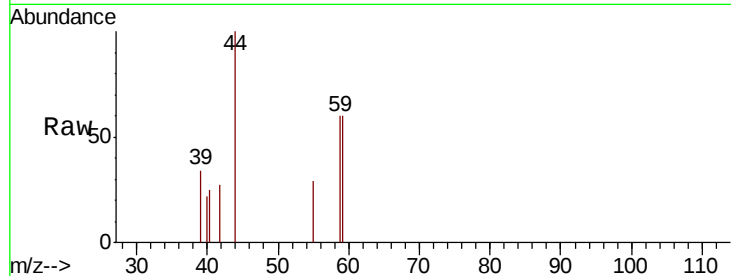


#11

Tert butyl alcohol
 Concen: 3.957 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000296.D
 Acq: 14 Oct 2019 14:03

Instrument :
 MSVOA_Y
 ClientSampled :

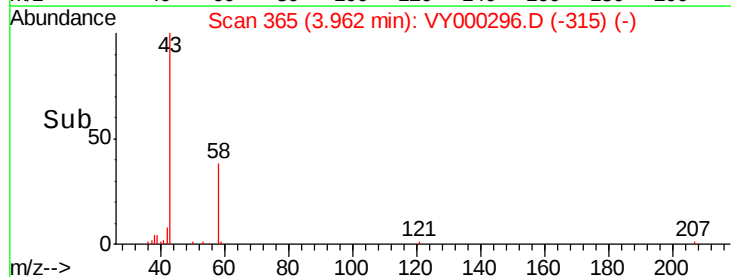
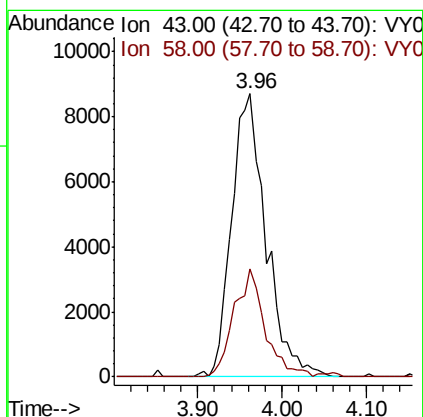
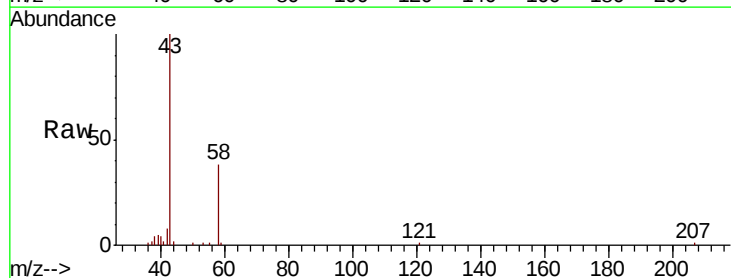
Tot Ion: 59 Resp: 1044
 Ion Ratio Lower Upper
 59 100
 57 1.8 8.2 12.2#

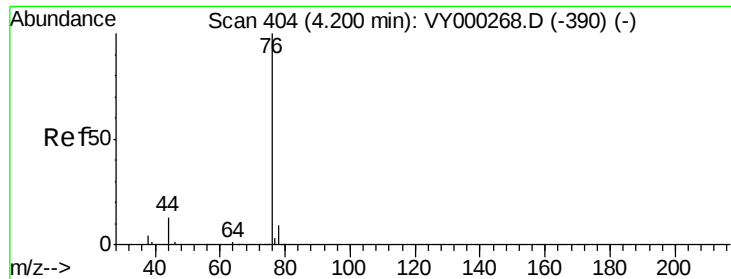


#16

Acetone
 Concen: 29.484 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000296.D
 Acq: 14 Oct 2019 14:03

Tgt Ion: 43 Resp: 24071
 Ion Ratio Lower Upper
 43 100
 58 38.0 25.8 38.6

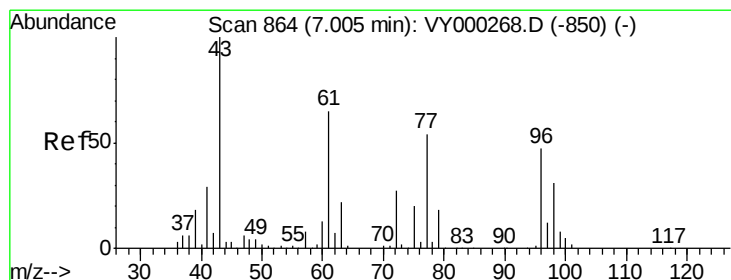
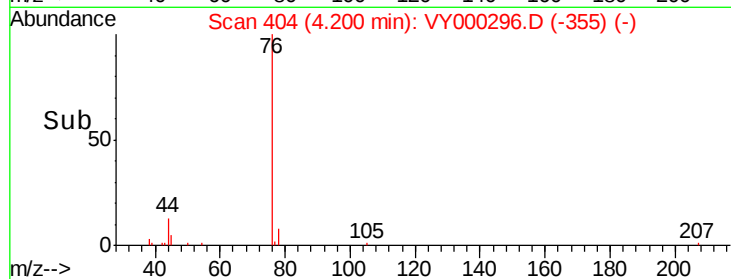
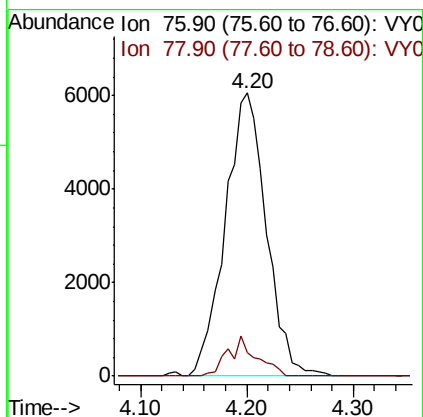
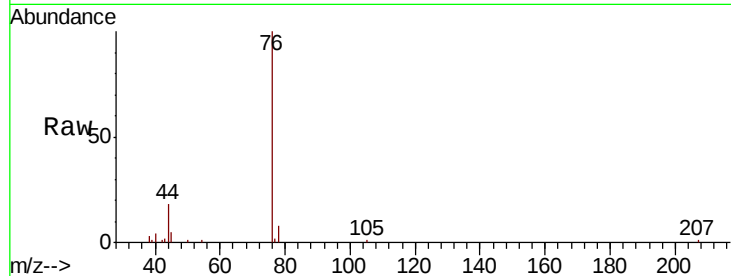




#17
Carbon Disulfide
Concen: 2.151 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY000296.D
Acq: 14 Oct 2019 14:03

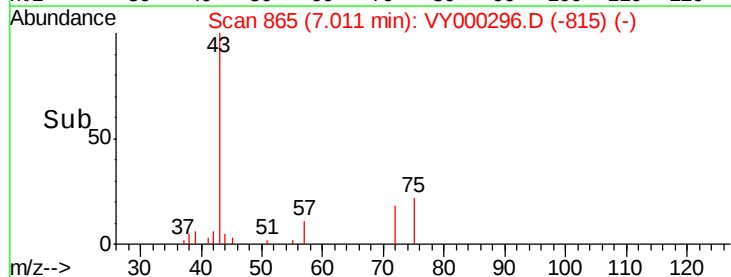
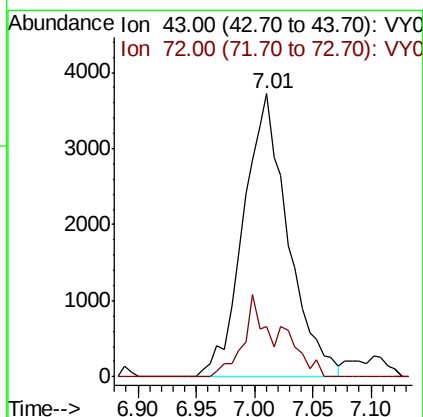
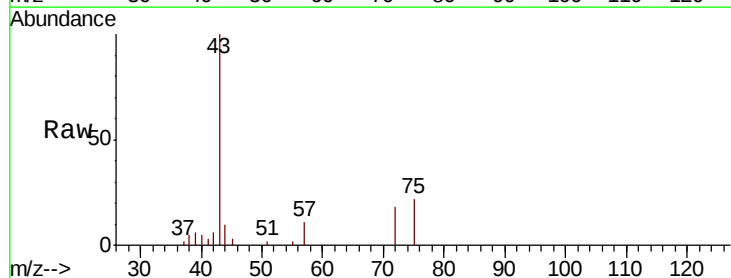
Instrument :
MSVOA_Y
ClientSampleId :

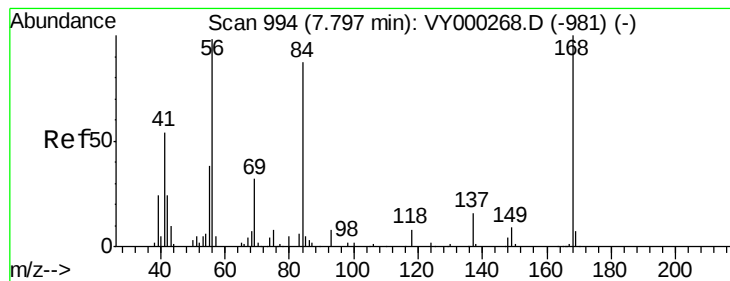
Tot Ion: 76 Resp: 16345
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



#25
2-Butanone
Concen: 8.625 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000296.D
Acq: 14 Oct 2019 14:03

Tgt Ion: 43 Resp: 9919
Ion Ratio Lower Upper
43 100
72 17.6 21.4 32.2#





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

Instrument :
MSVOA_Y
ClientSampled :

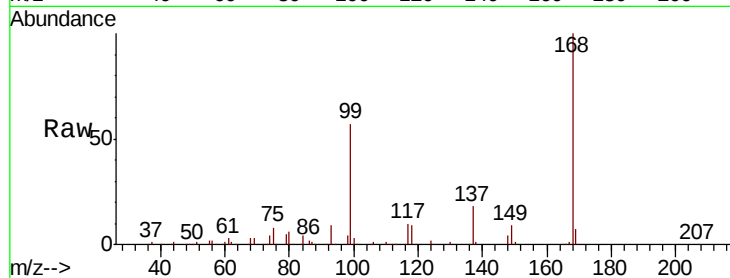
Tot Ion: 56 Resp: 5833

Ion Ratio Lower Upper

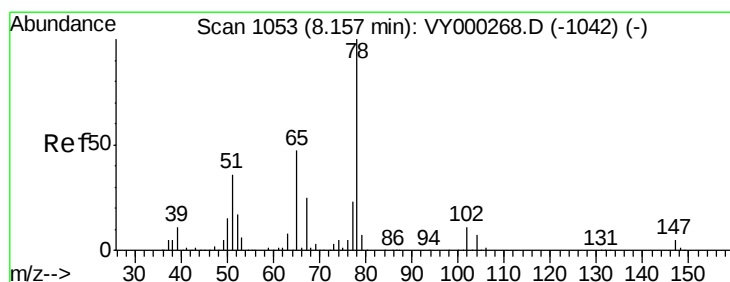
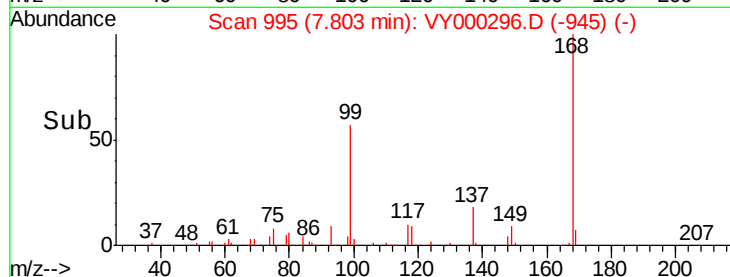
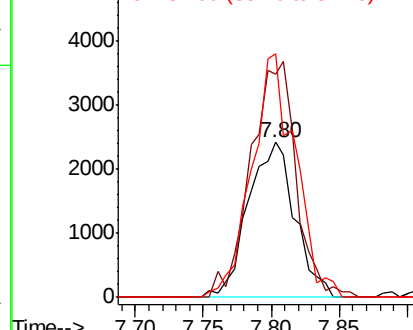
56 100

69 144.3 26.3 39.5#

84 157.3 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: 58.997 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000296.D

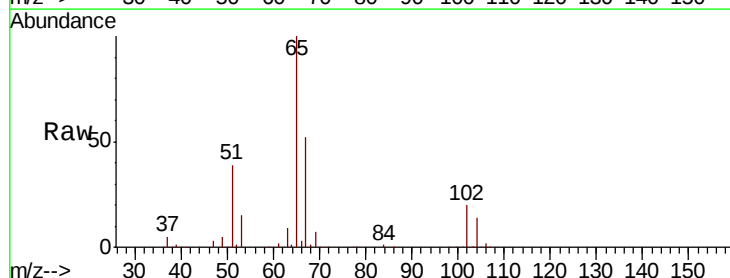
Acq: 14 Oct 2019 14:03

Tgt Ion: 65 Resp: 148730

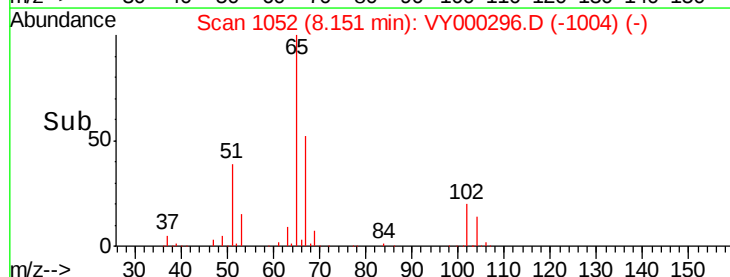
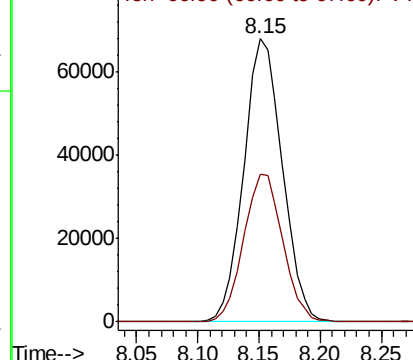
Ion Ratio Lower Upper

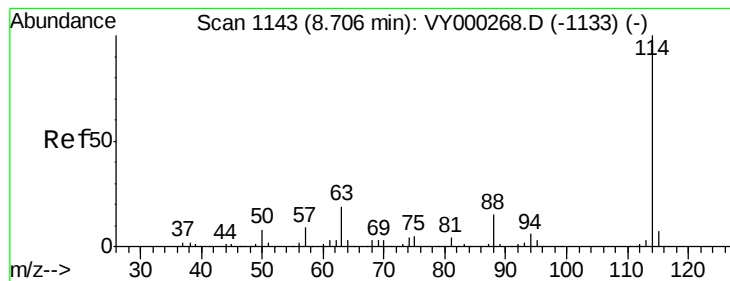
65 100

67 53.0 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: VY000296.D

Acq: 14 Oct 2019 14:03

Instrument :
MSVOA_Y
ClientSampleId :

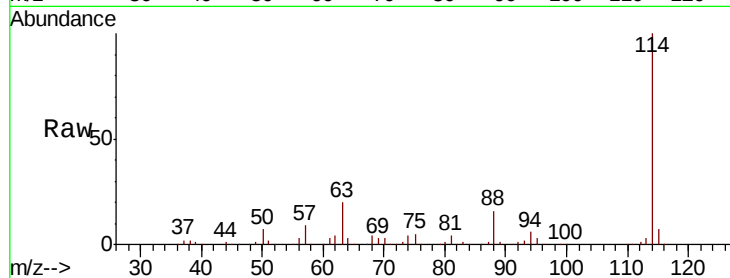
Tot Ion:114 Resp: 446388

Ion Ratio Lower Upper

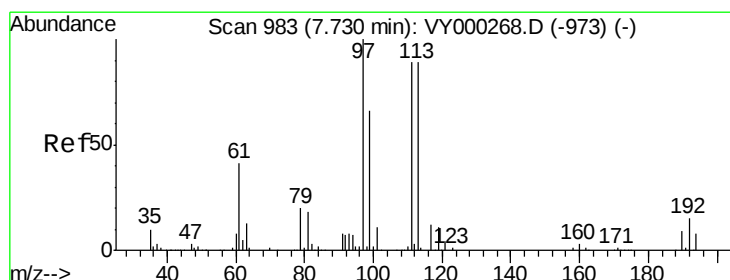
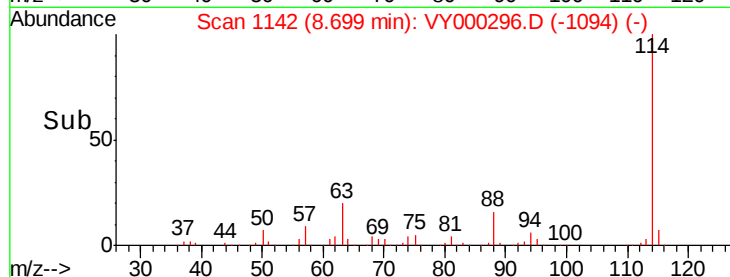
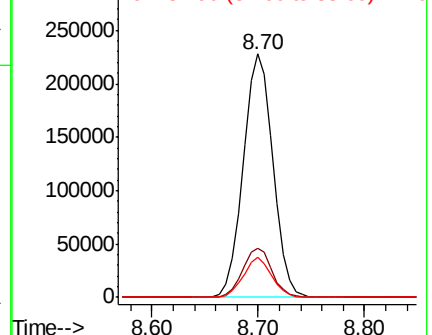
114 100

63 20.1 0.0 37.2

88 16.5 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: 49.660 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

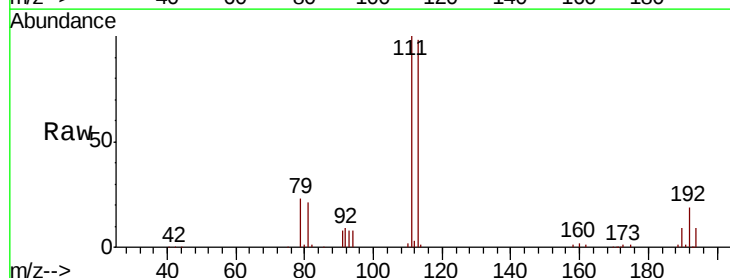
Tgt Ion:113 Resp: 133716

Ion Ratio Lower Upper

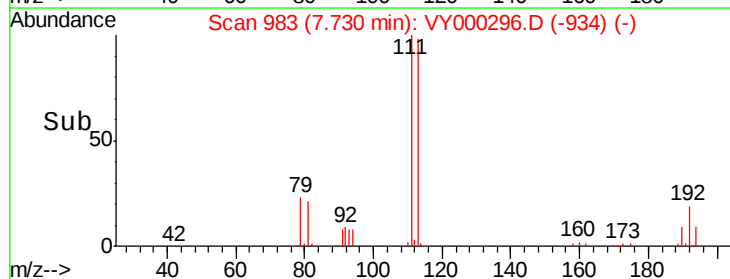
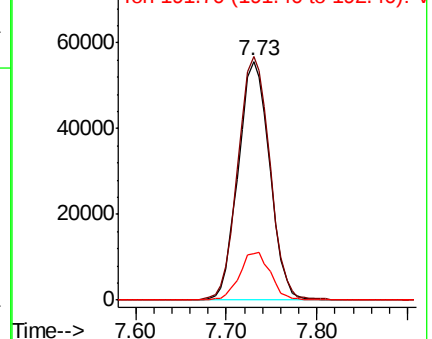
113 100

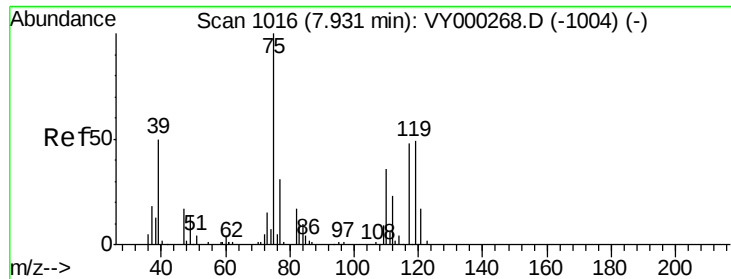
111 103.7 81.6 122.4

192 19.6 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

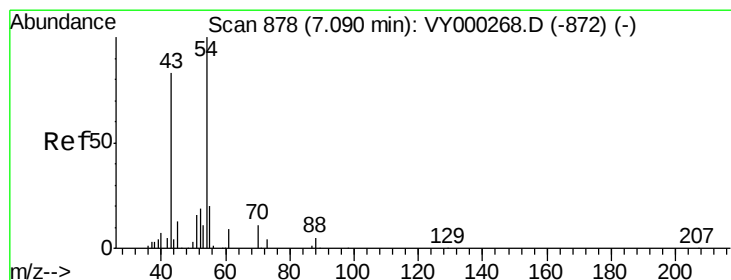
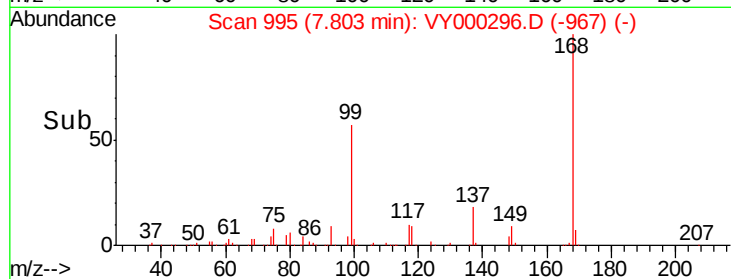
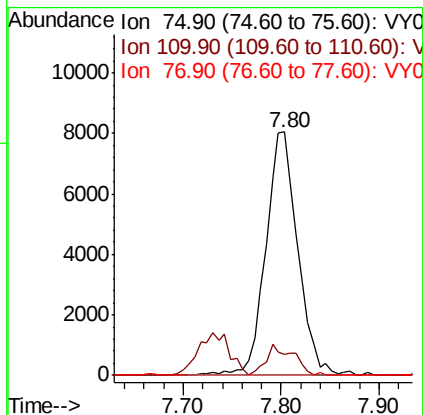
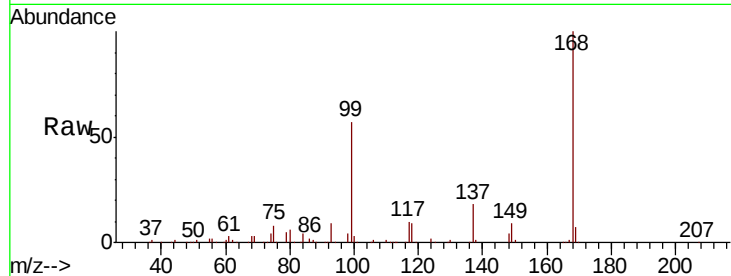




#36
 1,1-Dichloropropene
 Concen: 4.209 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000296.D
 Acq: 14 Oct 2019 14:03

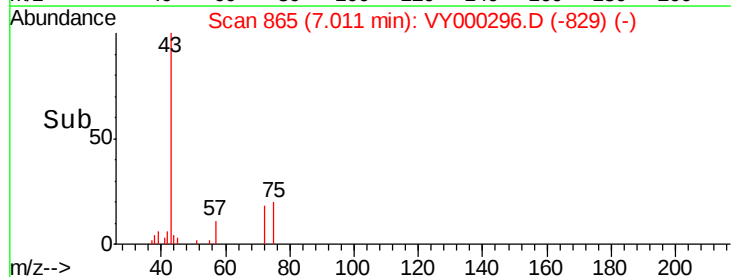
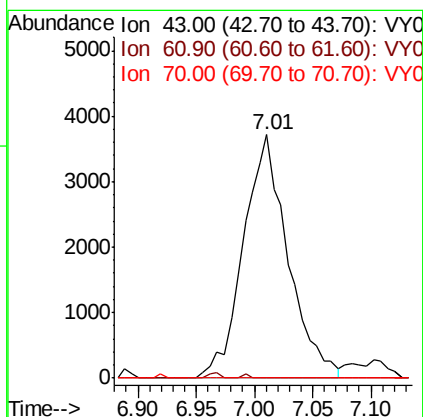
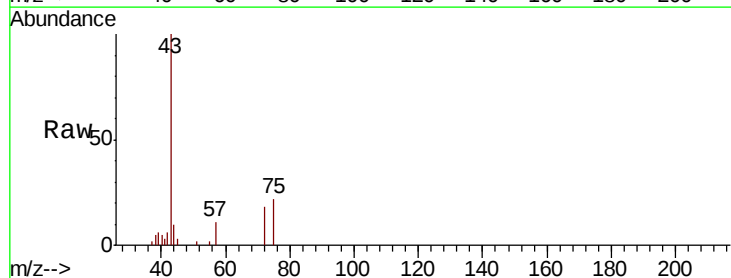
Instrument :
 MSVOA_Y
 ClientSampled :

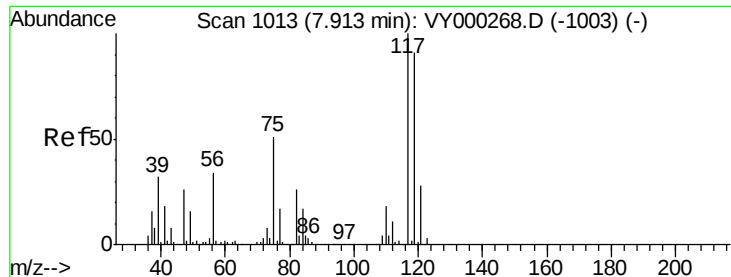
Tot Ion: 75 Resp: 18395
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.4 55.4#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 3.833 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VY000296.D
 Acq: 14 Oct 2019 14:03

Tgt Ion: 43 Resp: 9919
 Ion Ratio Lower Upper
 43 100
 61 0.2 12.1 18.1#
 70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

Instrument :

MSVOA_Y

ClientSampleId :

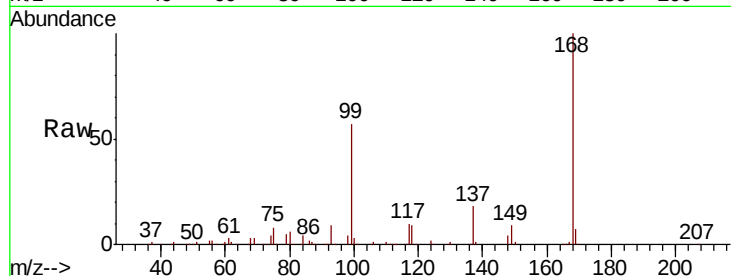
Tot Ion:117 Resp: 23116

Ion Ratio Lower Upper

117 100

119 4.2 72.8 109.2#

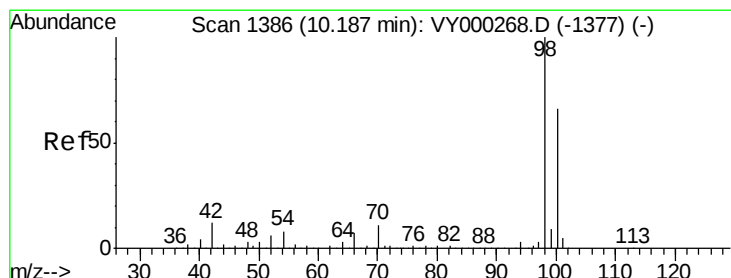
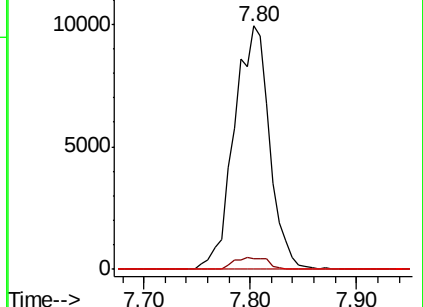
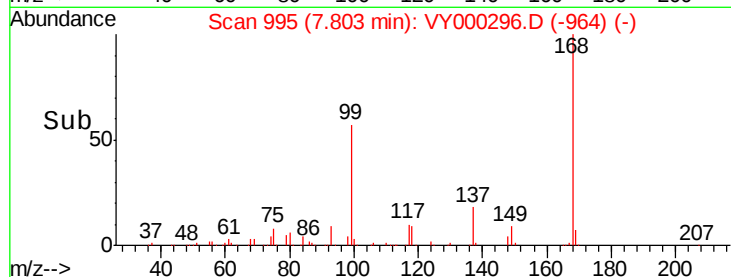
121 0.0 22.2 33.2#



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: 49.675 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY000296.D

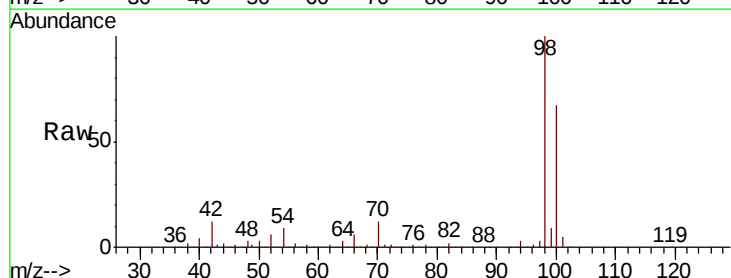
Acq: 14 Oct 2019 14:03

Tgt Ion: 98 Resp: 514535

Ion Ratio Lower Upper

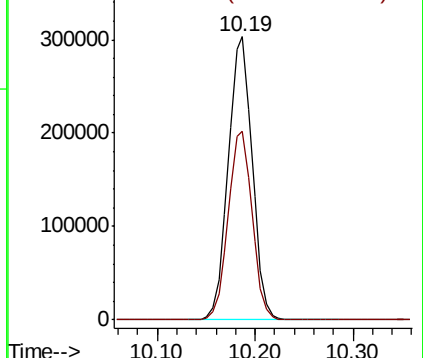
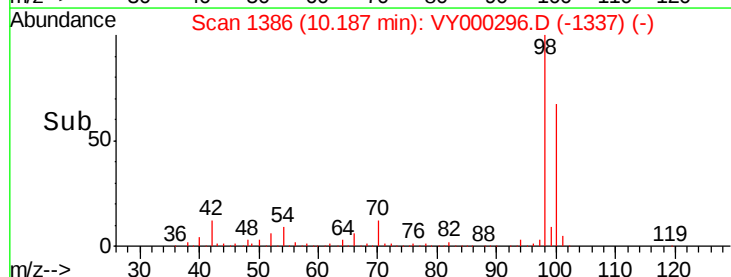
98 100

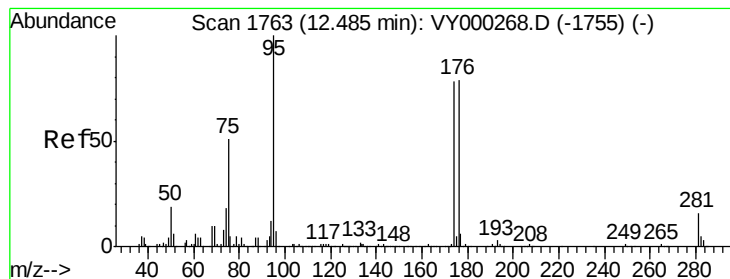
100 66.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 43.437 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

Instrument :

MSVOA_Y

ClientSampleId :

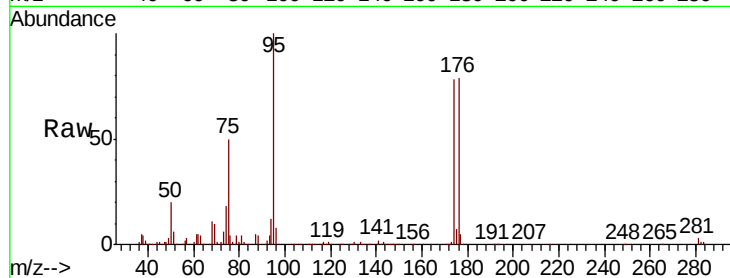
Tot Ion: 95 Resp: 170927

Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.6

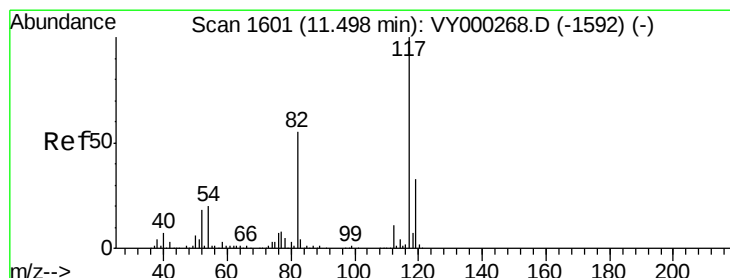
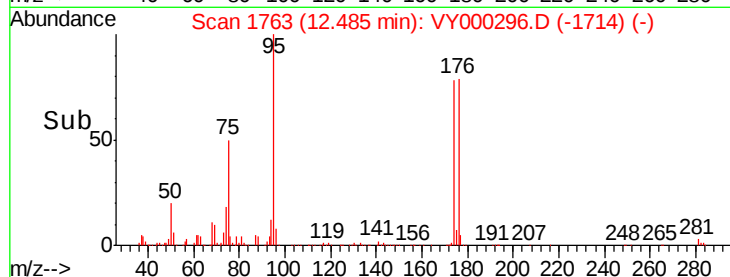
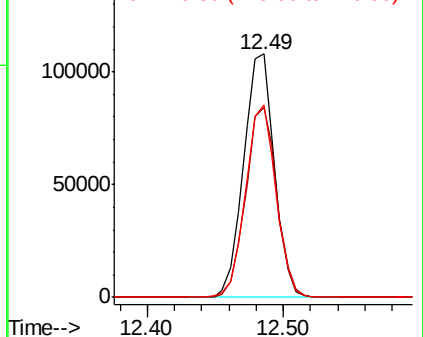
176 78.2 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000268.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY000268.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000268.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

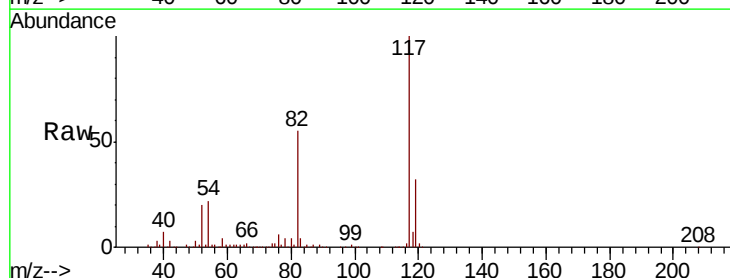
Tgt Ion: 117 Resp: 384398

Ion Ratio Lower Upper

117 100

82 55.3 43.7 65.5

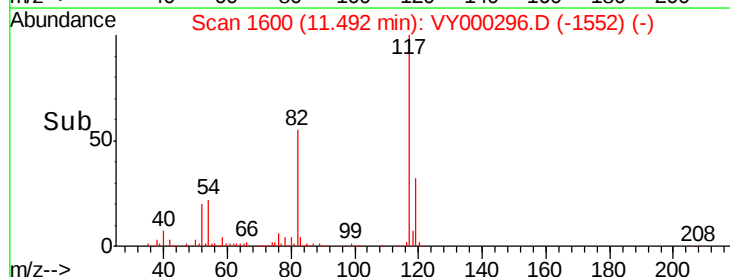
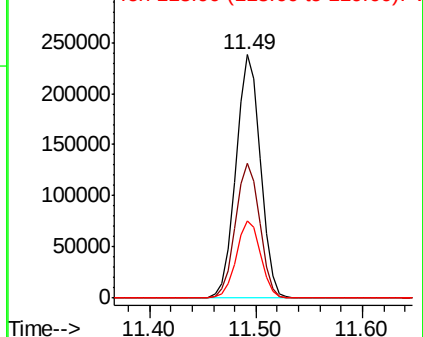
119 31.8 26.6 39.8

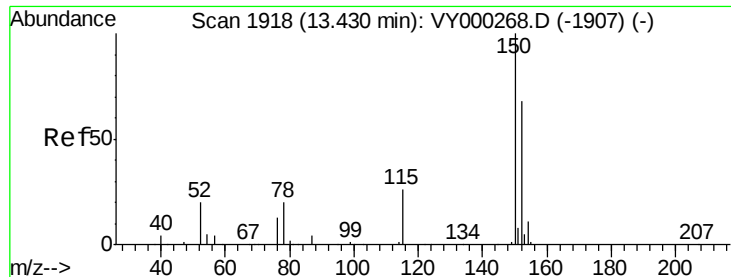


Abundance Ion 116.90 (116.60 to 117.60): VY000268.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY000268.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY000268.D (-1592) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000296.D

Acq: 14 Oct 2019 14:03

Instrument :

MSVOA_Y

ClientSampleId :

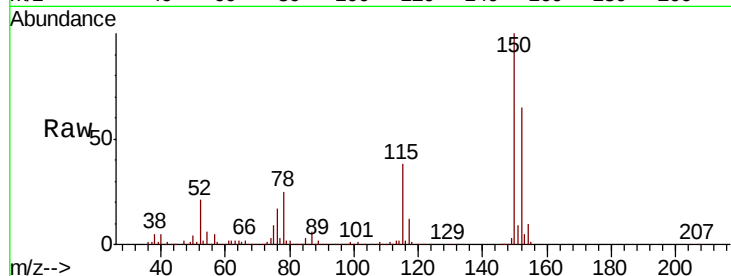
Tot Ion:152 Resp: 164562

Ion Ratio Lower Upper

152 100

115 59.8 29.3 88.0

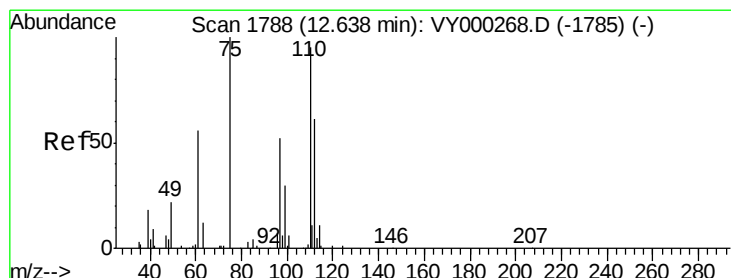
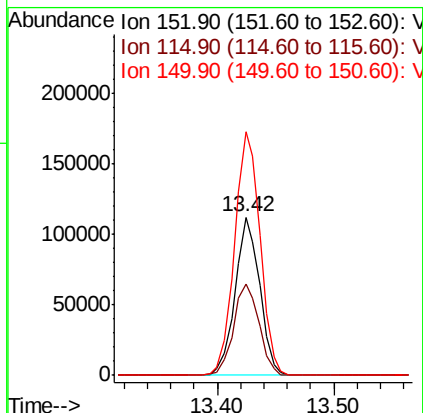
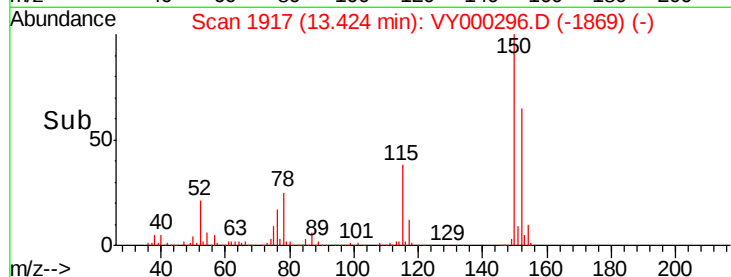
150 159.8 0.0 348.4



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: 45.099 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000296.D

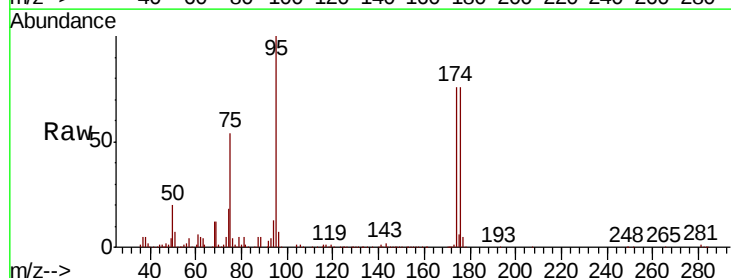
Acq: 14 Oct 2019 14:03

Tgt Ion: 75 Resp: 91260

Ion Ratio Lower Upper

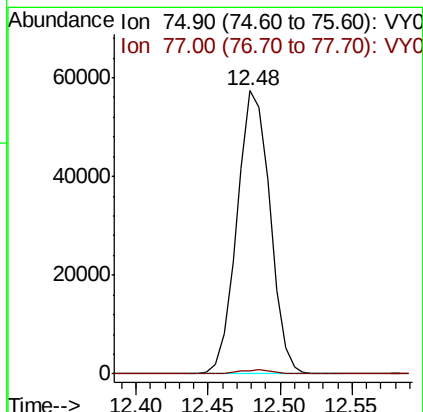
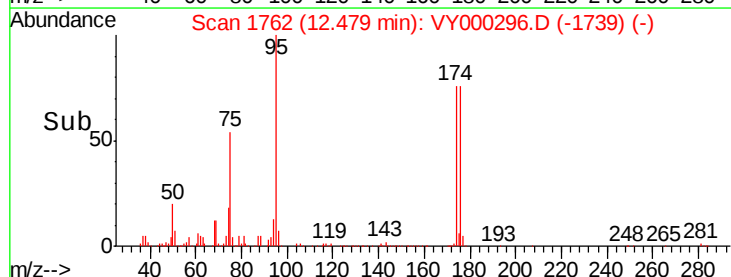
75 100

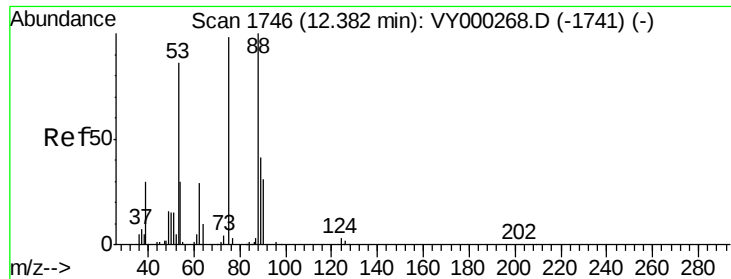
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

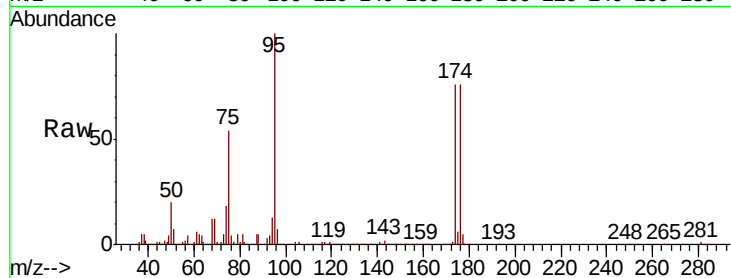




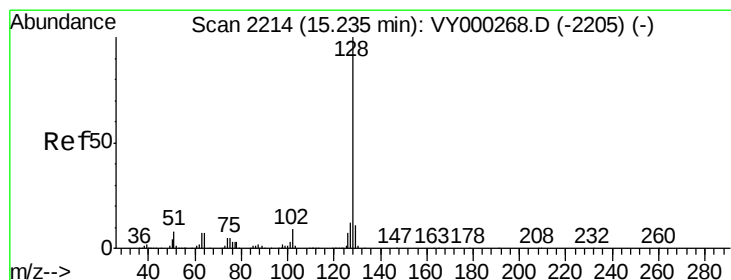
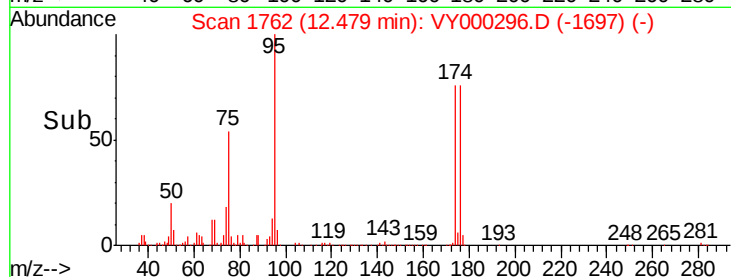
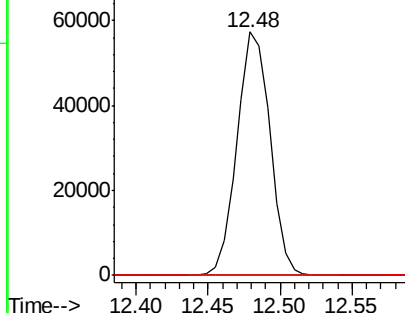
#81
trans-1,4-Dichloro-2-butene
Concen: 98.675 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000296.D
Acq: 14 Oct 2019 14:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 91260
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 35.1 52.7#

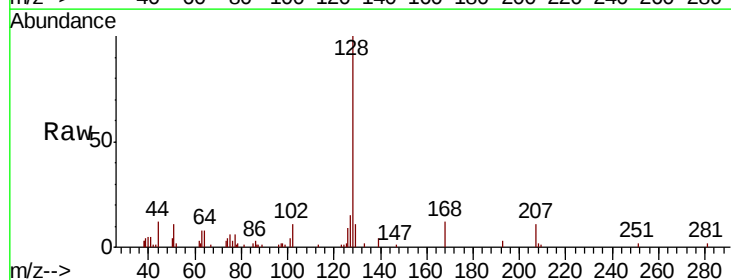


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#95
Naphthalene
Concen: 1.538 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000296.D
Acq: 14 Oct 2019 14:03

Tgt Ion:128 Resp: 12167
Ion Ratio Lower Upper
128 100
127 15.7 9.6 14.4#
129 11.8 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

