

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000448.D
 Acq On : 28 Oct 2019 12:31
 Operator : SY/MD
 Sample : VY1028SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:43:14 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	209633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	361824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	324463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143385	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	125095	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
35) Dibromofluoromethane	7.73	113	107964	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.18	98	413027	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.48	95	139704	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

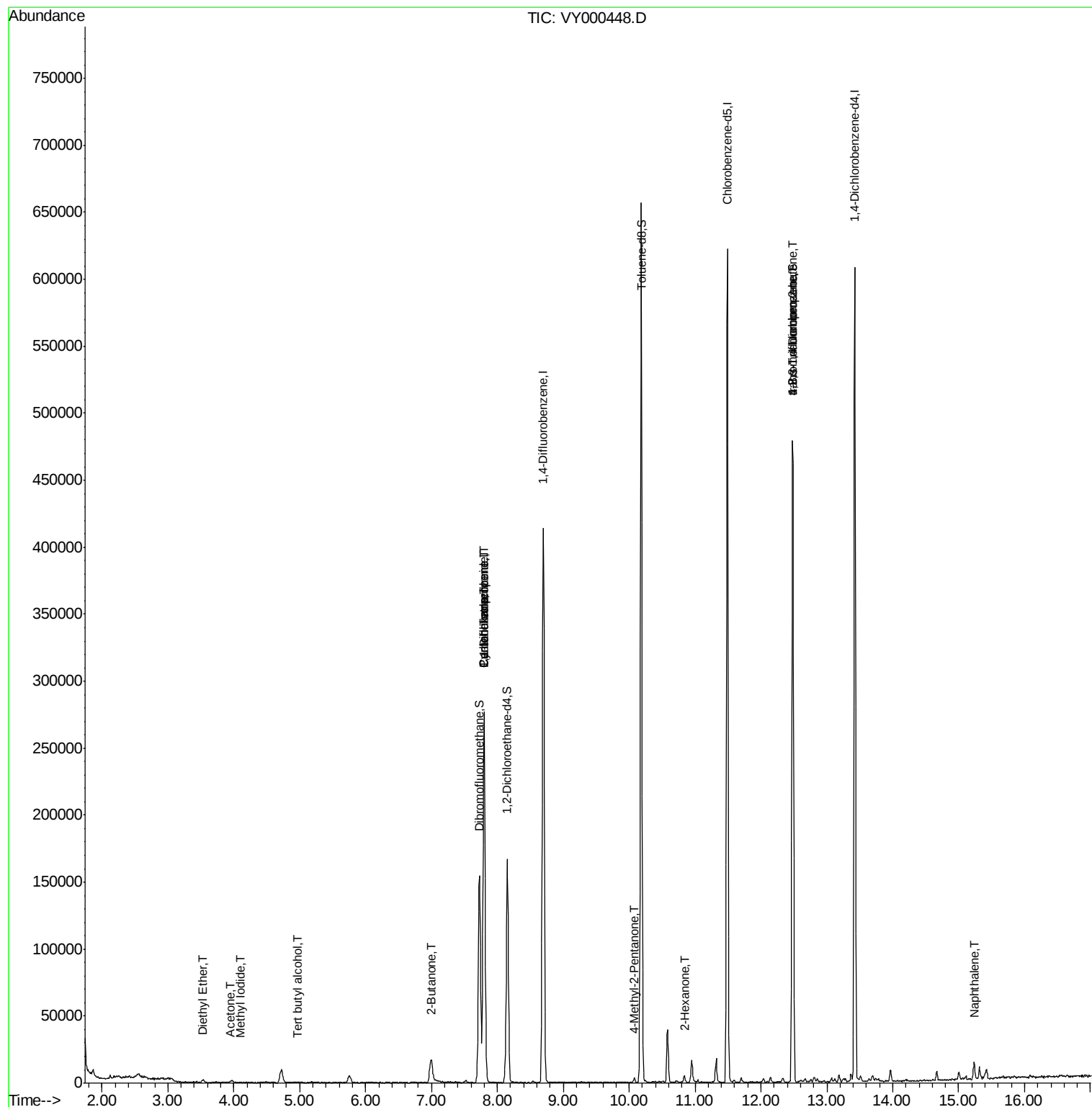
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	145	Below Cal	#	41
8) Diethyl Ether	3.52	74	1504	1.204	ug/l	85
10) Methyl Iodide	4.10	142	107	1.220	ug/l #	66
11) Tert butyl alcohol	4.97	59	235	1.015	ug/l #	73
16) Acetone	3.94	43	1228	1.715	ug/l #	86
20) Methylene Chloride	4.72	84	7020	Below Cal		99
25) 2-Butanone	6.99	43	1753	1.738	ug/l	90
31) Cyclohexane	7.80	56	4828	1.141	ug/l #	9
36) 1,1-Dichloropropene	7.80	75	16881	4.765	ug/l #	48
38) Carbon Tetrachloride	7.80	117	19619	5.720	ug/l #	20
51) 4-Methyl-2-Pentanone	10.08	43	2285	1.111	ug/l	90
59) 2-Hexanone	10.84	43	3506	2.428	ug/l	90
76) 1,2,3-Trichloropropane	12.48	75	76686	43.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	76686	95.163	ug/l #	14
95) Naphthalene	15.23	128	8605	1.248	ug/l	97

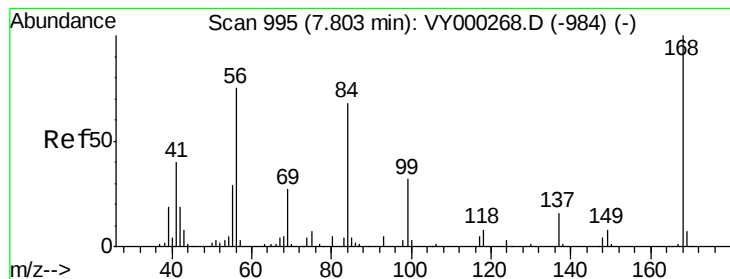
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 17 02:03:07 2019
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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: VY000448.D

Acq: 28 Oct 2019 12:31

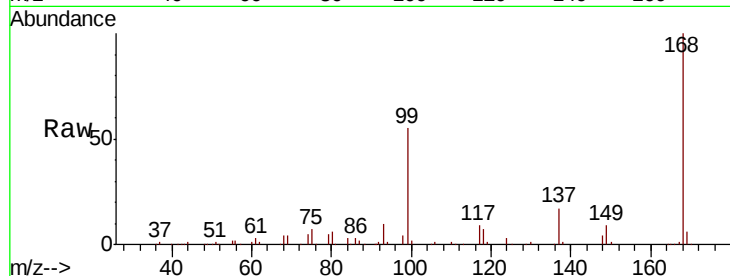
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 209633

Ion Ratio Lower Upper

168 100

99 55.4 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

100000

80000

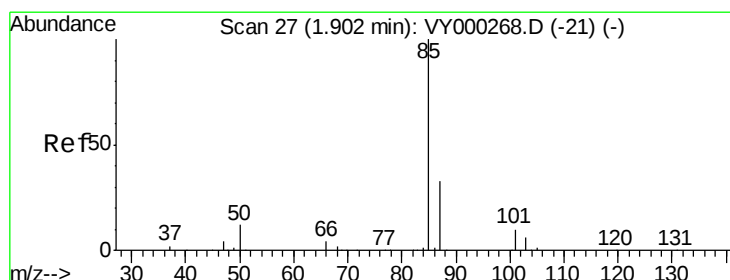
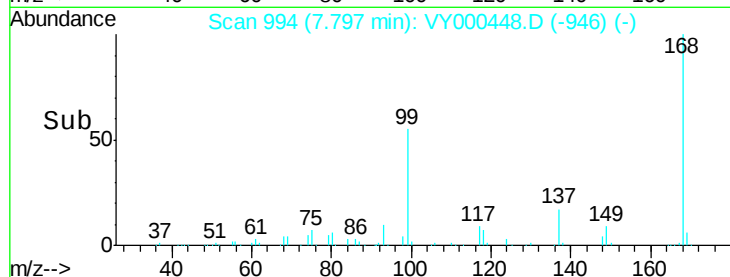
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000448.D

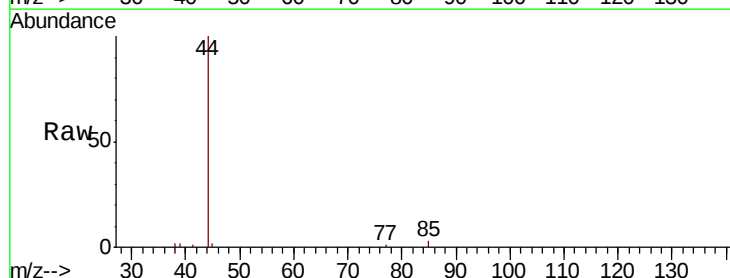
Acq: 28 Oct 2019 12:31

Tgt Ion: 85 Resp: 145

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) (-)

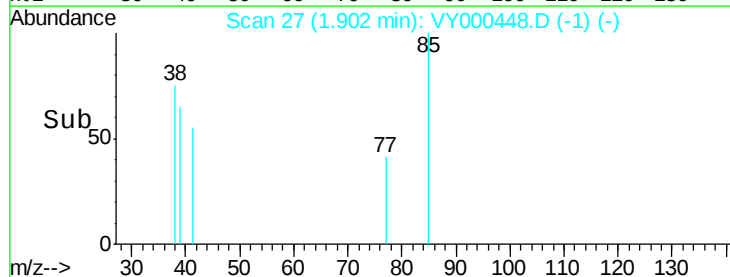
1.90

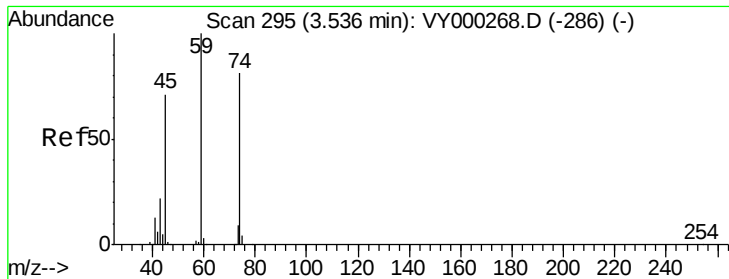
100

50

0

Time-->





#8

Diethyl Ether

Concen: 1.204 ug/l

RT: 3.52 min Scan# 293

Delta R.T. -0.01 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

Instrument :

MSVOA_Y

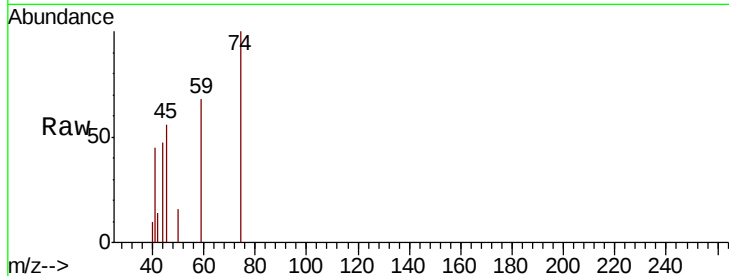
ClientSampleId :

Tot Ion: 74 Resp: 1504

Ion Ratio Lower Upper

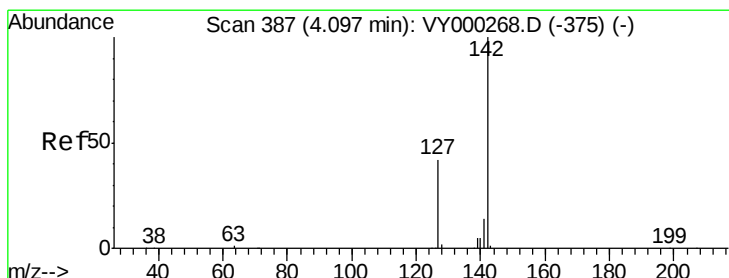
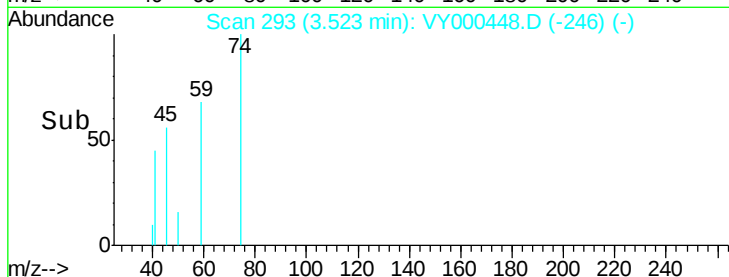
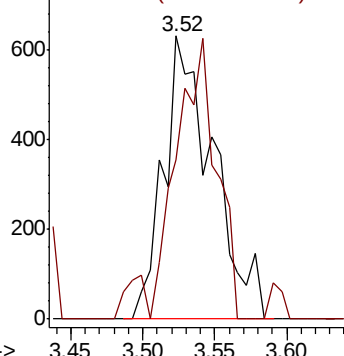
74 100

45 80.3 47.1 141.4



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0



#10

Methyl Iodide

Concen: 1.220 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

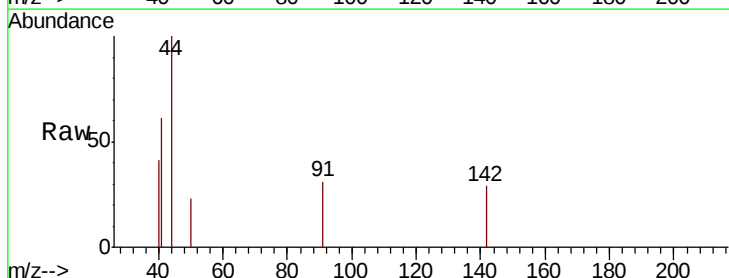
Tgt Ion: 142 Resp: 107

Ion Ratio Lower Upper

142 100

127 20.6 33.9 50.9#

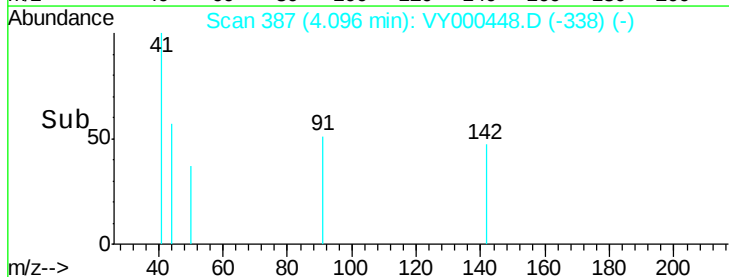
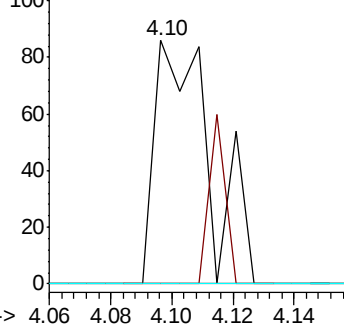
141 0.0 11.2 16.8#

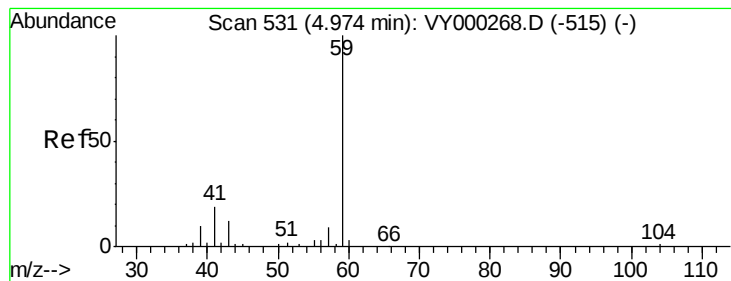


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



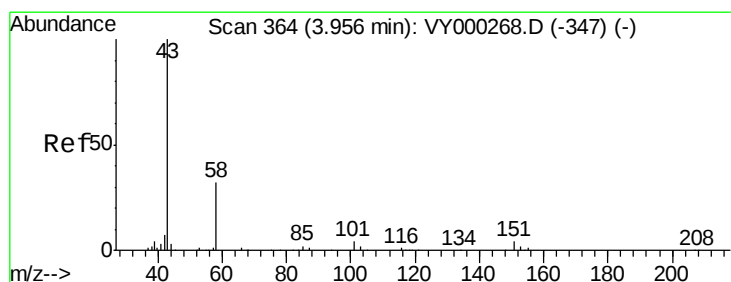
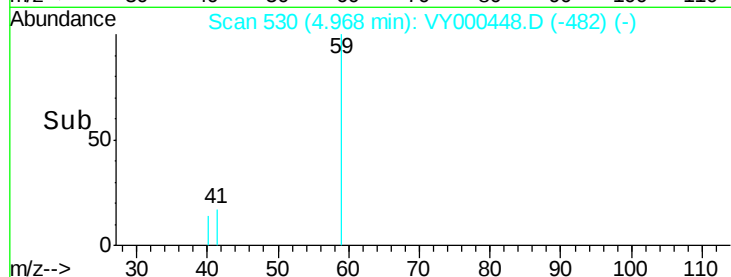
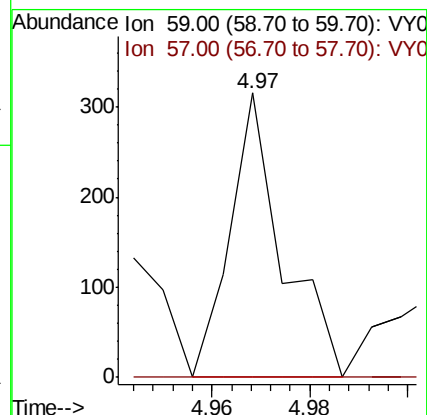
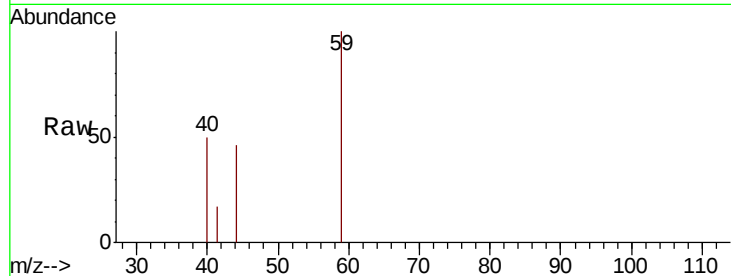


#11

Tert butyl alcohol
 Concen: 1.015 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000448.D
 Acq: 28 Oct 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampled :

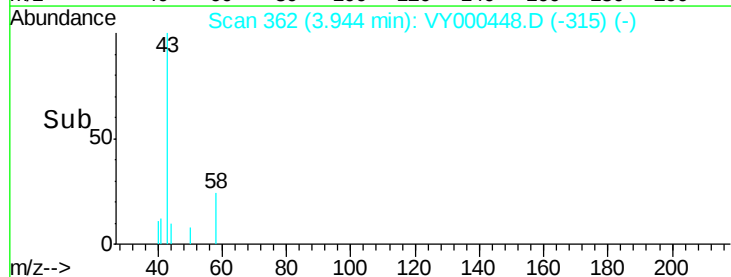
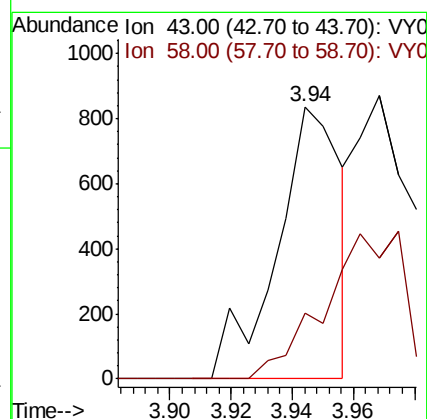
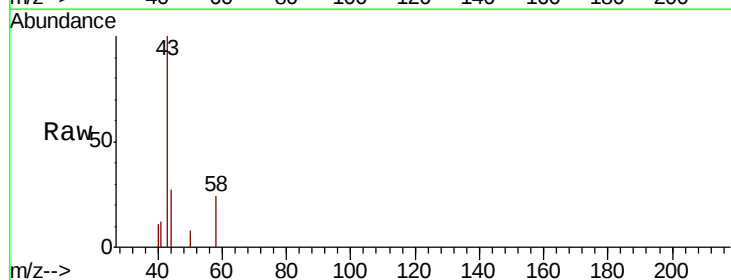
Tot Ion: 59 Resp: 235
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

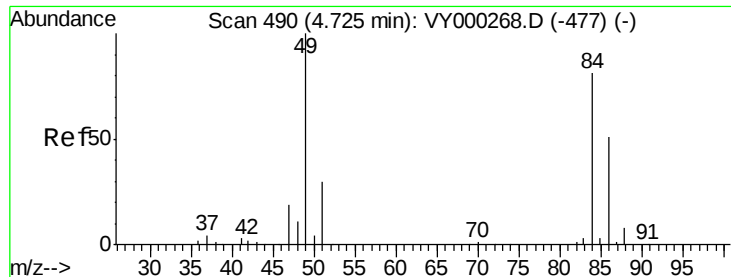


#16

Acetone
 Concen: 1.715 ug/l
 RT: 3.94 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VY000448.D
 Acq: 28 Oct 2019 12:31

Tgt Ion: 43 Resp: 1228
 Ion Ratio Lower Upper
 43 100
 58 24.3 25.8 38.6#



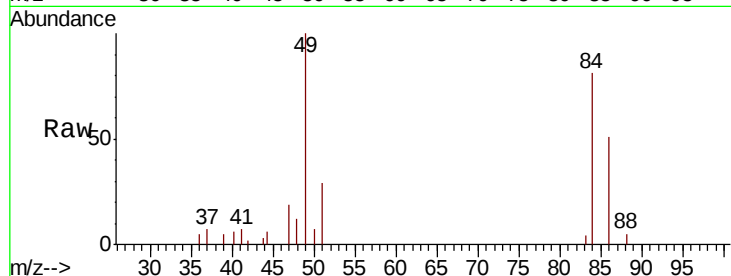


#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000448.D
Acq: 28 Oct 2019 12:31

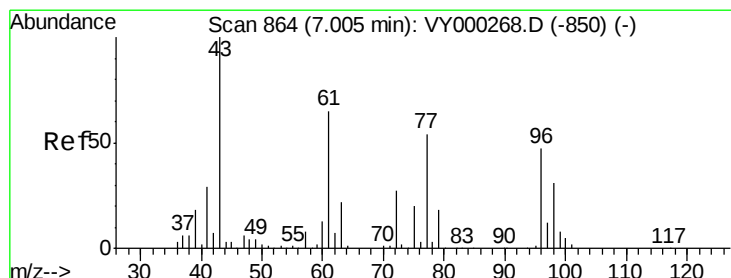
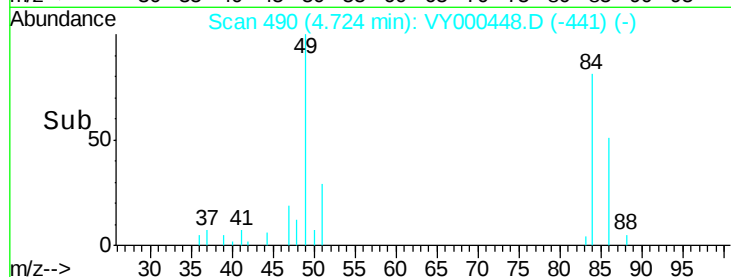
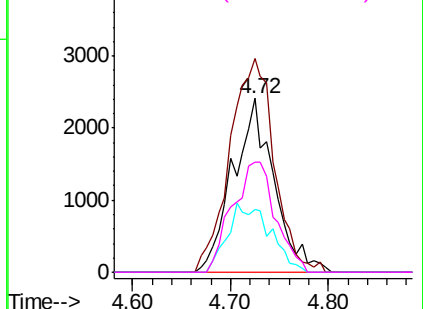
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 7020

Ion	Ratio	Lower	Upper
84	100		
49	122.9	99.0	148.4
51	35.9	29.3	43.9
86	63.2	50.2	75.4



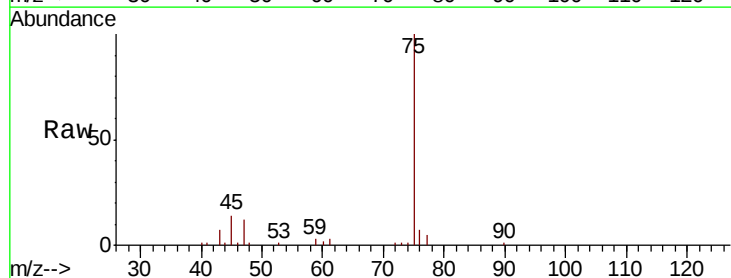
Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0



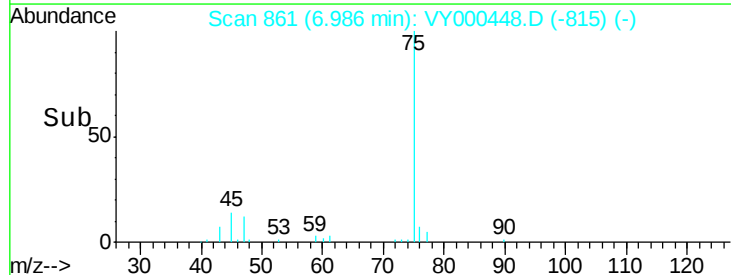
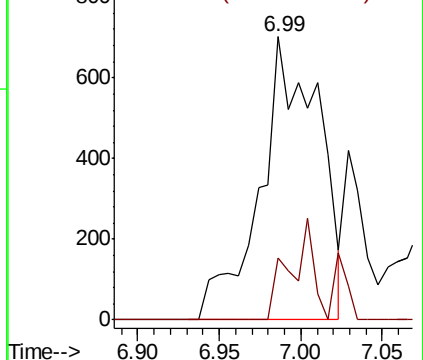
#25
2-Butanone
Concen: 1.738 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.02 min
Lab File: VY000448.D
Acq: 28 Oct 2019 12:31

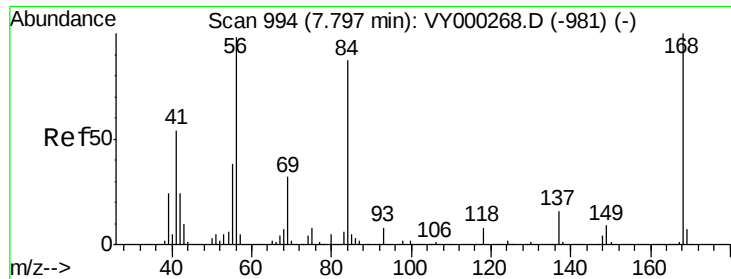
Tgt Ion: 43 Resp: 1753

Ion	Ratio	Lower	Upper
43	100		
72	21.8	21.4	32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

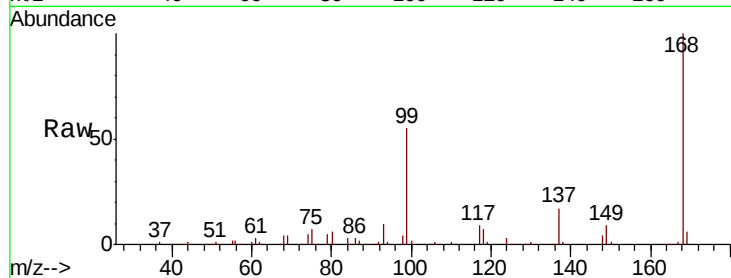




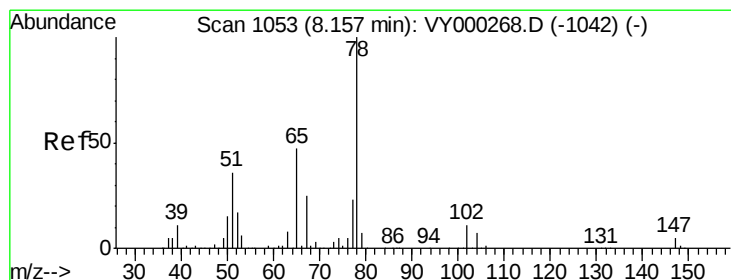
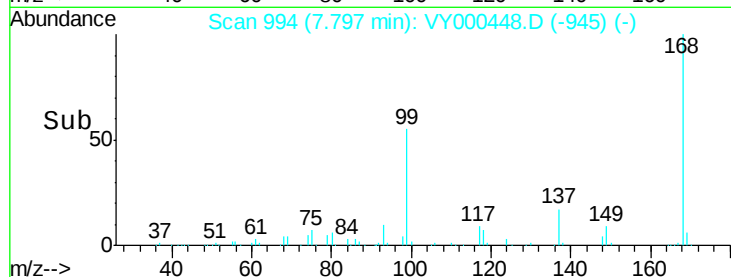
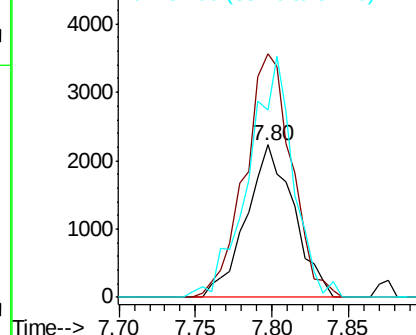
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000448.D
Acq: 28 Oct 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4828
Ion Ratio Lower Upper
56 100
69 159.9 26.3 39.5#
84 127.4 70.8 106.2#

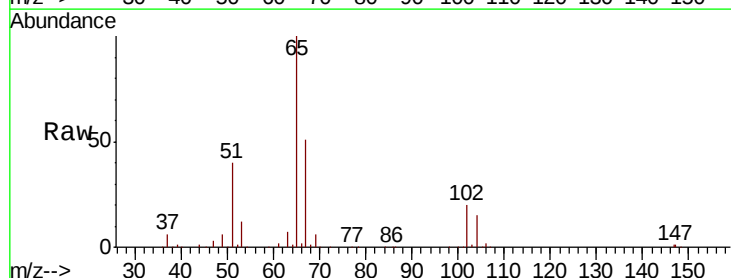


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

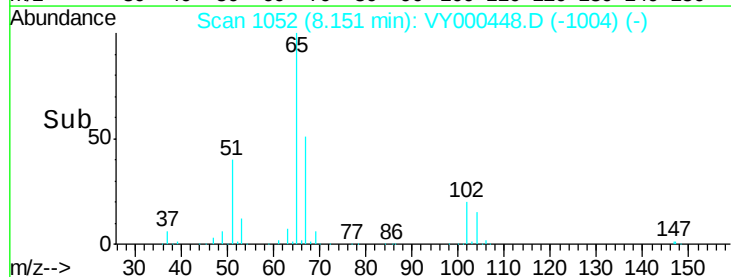
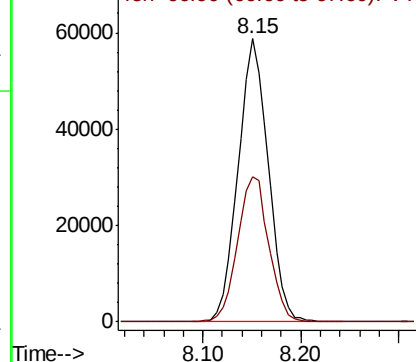


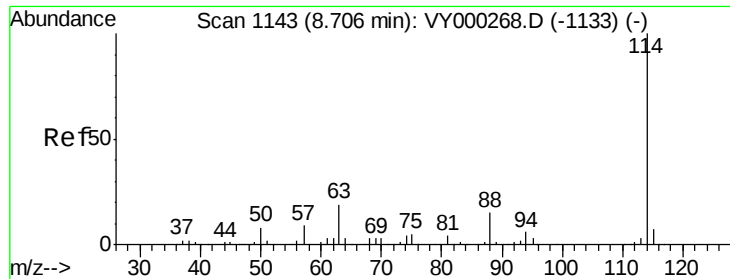
#33
1,2-Dichloroethane-d4
Concen: 56.571 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000448.D
Acq: 28 Oct 2019 12:31

Tgt Ion: 65 Resp: 125095
Ion Ratio Lower Upper
65 100
67 53.1 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: VY000448.D

Acq: 28 Oct 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :

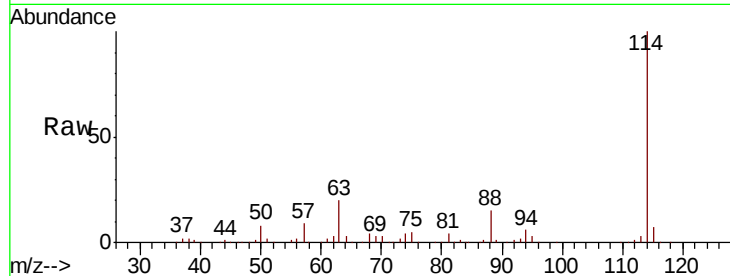
Tot Ion:114 Resp: 361824

Ion Ratio Lower Upper

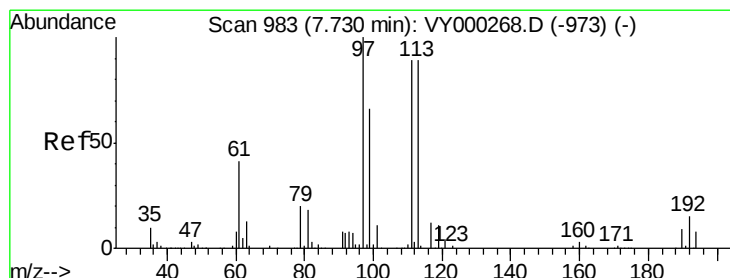
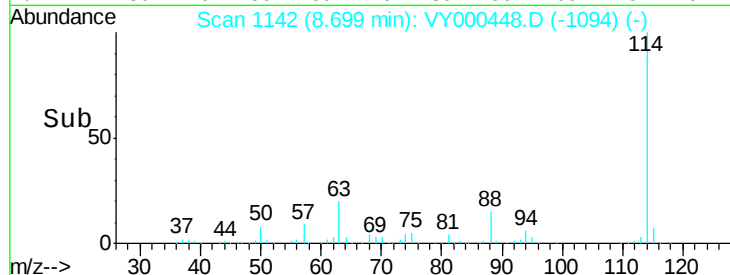
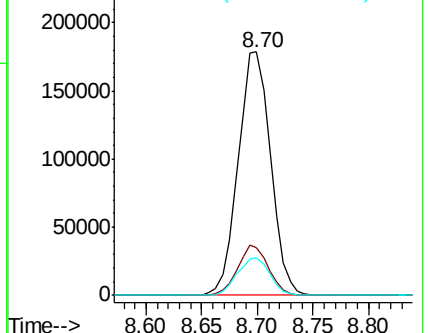
114 100

63 19.8 0.0 37.2

88 15.4 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: 49.467 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

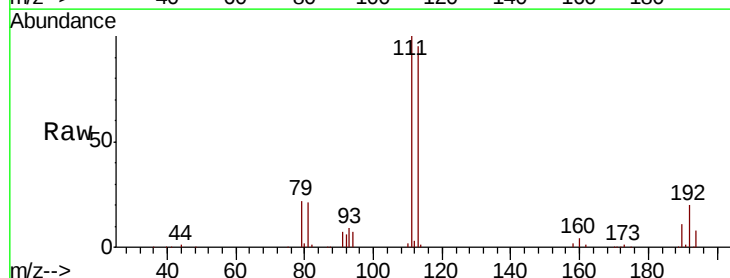
Tgt Ion:113 Resp: 107964

Ion Ratio Lower Upper

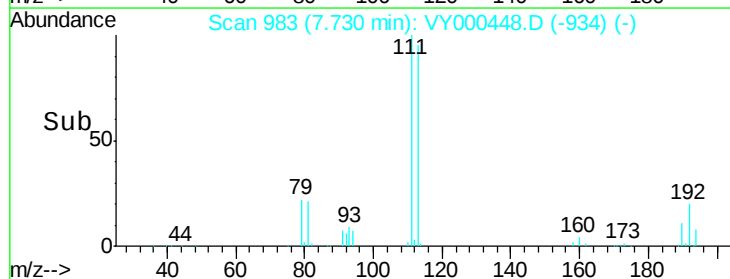
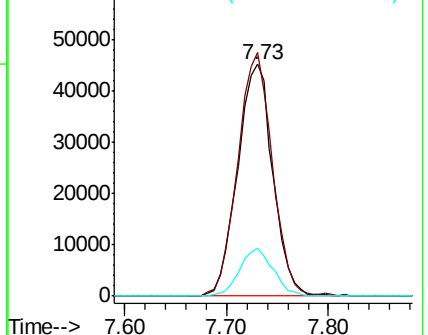
113 100

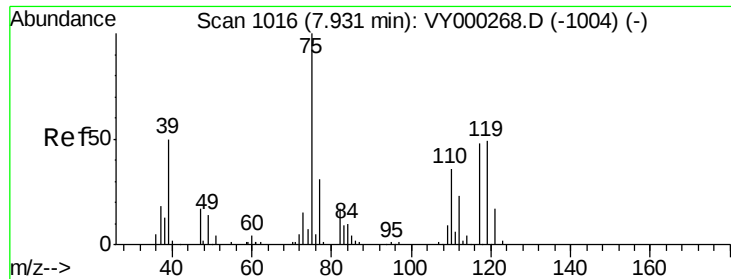
111 103.6 81.6 122.4

192 19.5 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

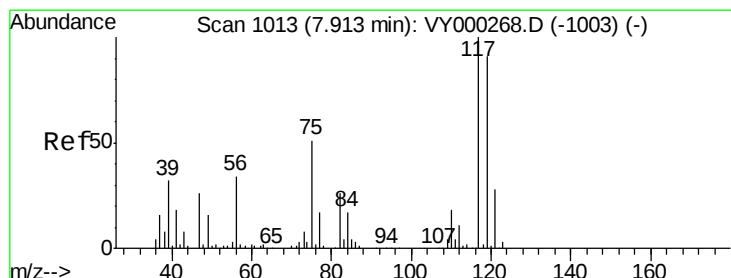
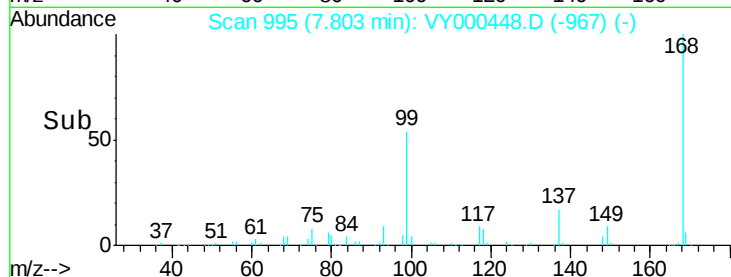
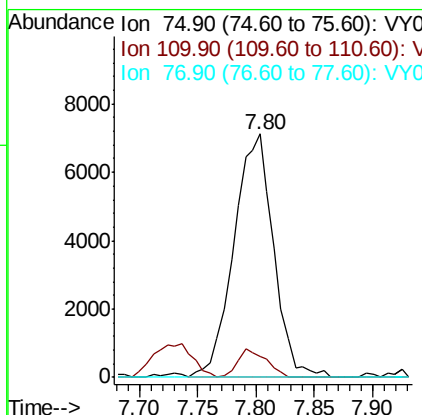
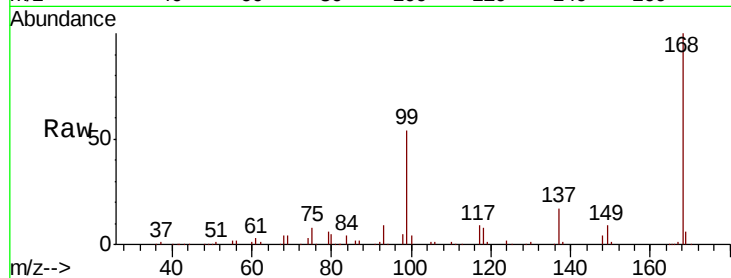




#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000448.D
 Acq: 28 Oct 2019 12:31

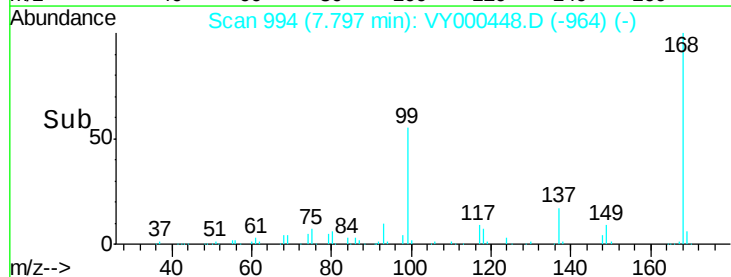
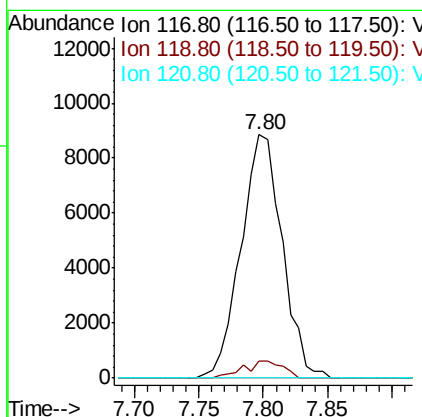
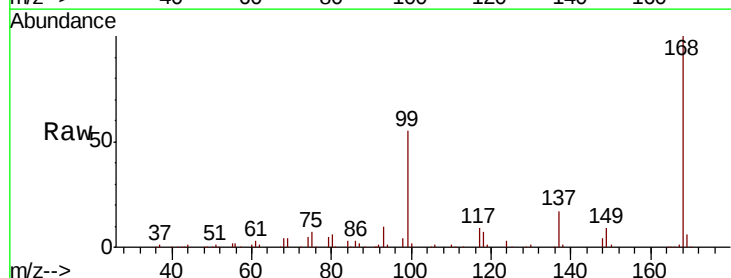
Instrument :
 MSVOA_Y
 ClientSampleId :

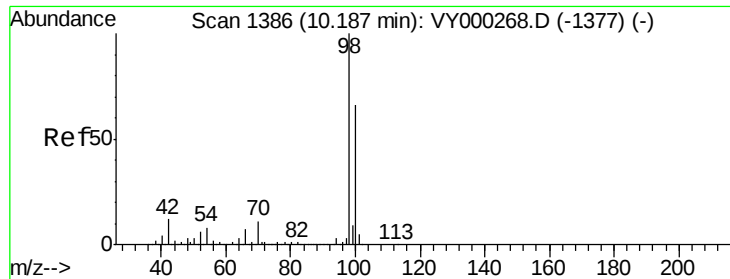
Tot Ion	75	Resp	16881
Ion Ratio	Lower	Upper	
75	100		
110	8.5	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.720 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000448.D
 Acq: 28 Oct 2019 12:31

Tgt Ion	117	Resp	19619
Ion Ratio	Lower	Upper	
117	100		
119	7.1	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 49.195 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

Instrument :

MSVOA_Y

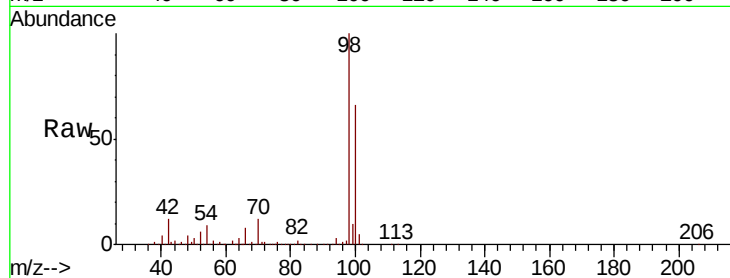
ClientSampled :

Tot Ion: 98 Resp: 413027

Ion Ratio Lower Upper

98 100

100 67.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

250000

200000

150000

100000

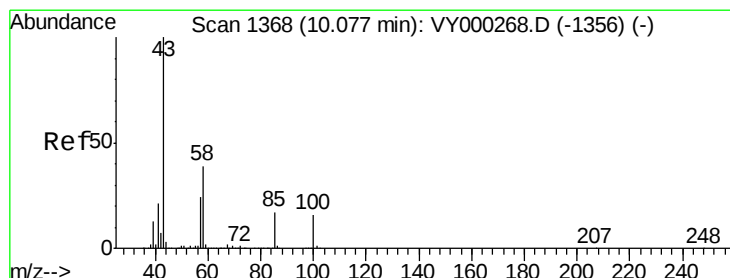
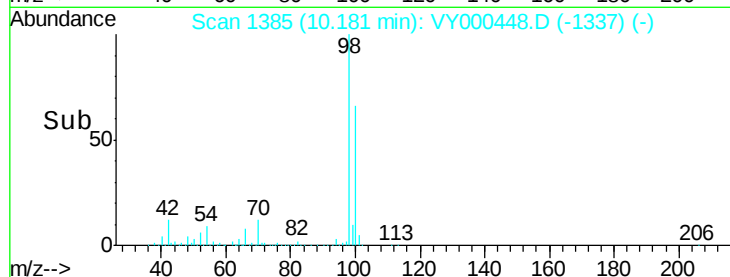
50000

0

10.10

10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.111 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000448.D

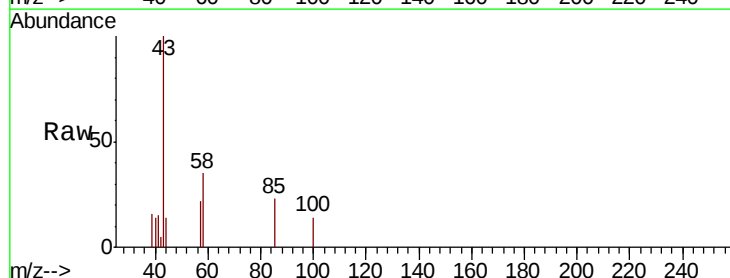
Acq: 28 Oct 2019 12:31

Tgt Ion: 43 Resp: 2285

Ion Ratio Lower Upper

43 100

58 32.5 31.0 46.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1500

1000

500

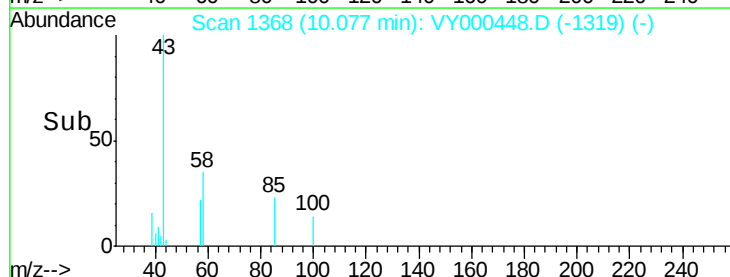
0

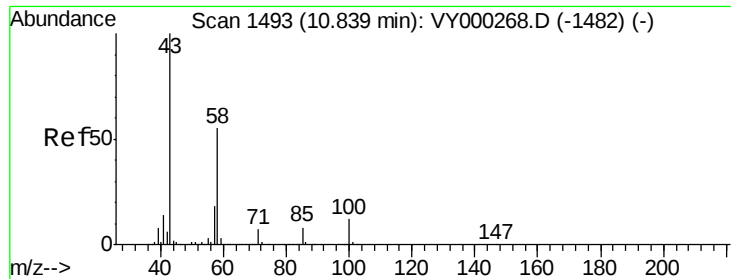
10.00

10.05

10.10

Time-->





#59

2-Hexanone

Concen: 2.428 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

Instrument :

MSVOA_Y

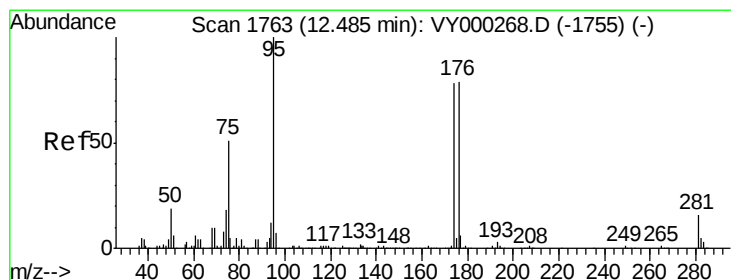
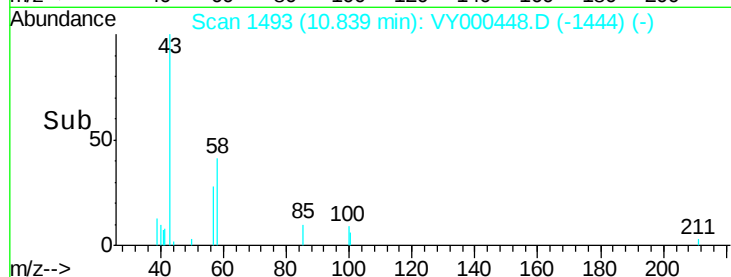
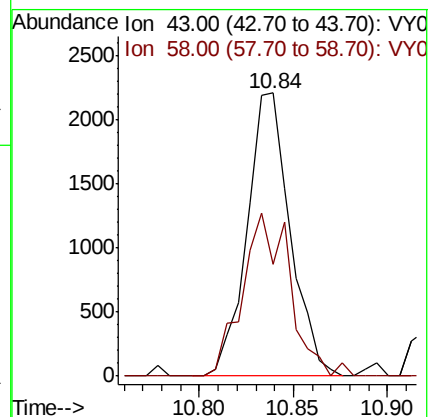
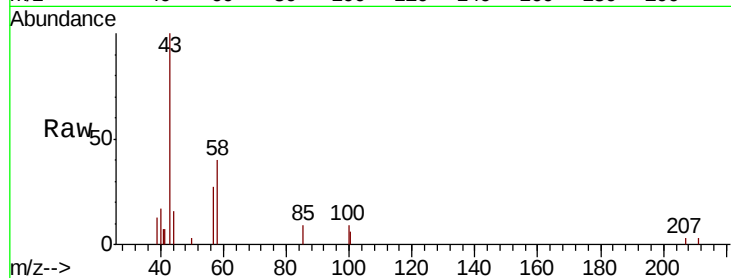
ClientSampleId :

Tot Ion: 43 Resp: 3506

Ion Ratio Lower Upper

43 100

58 63.0 27.7 83.1



#62

4-Bromofluorobenzene

Concen: 43.799 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

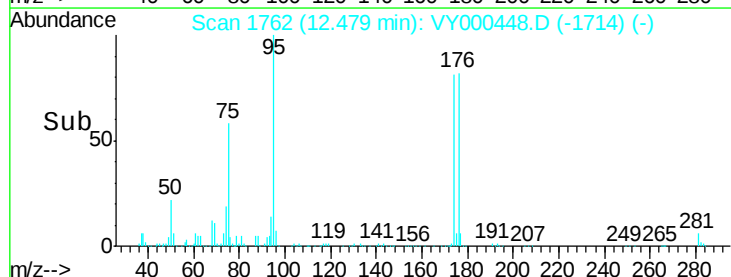
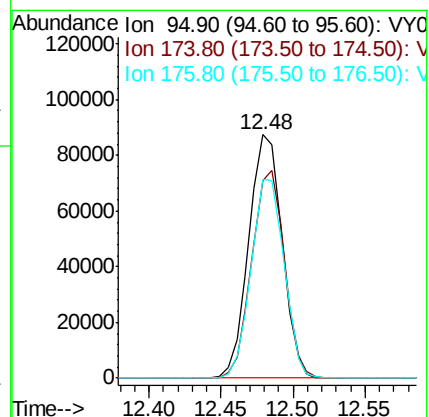
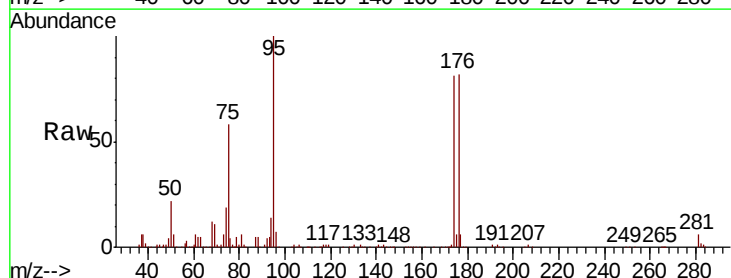
Tgt Ion: 95 Resp: 139704

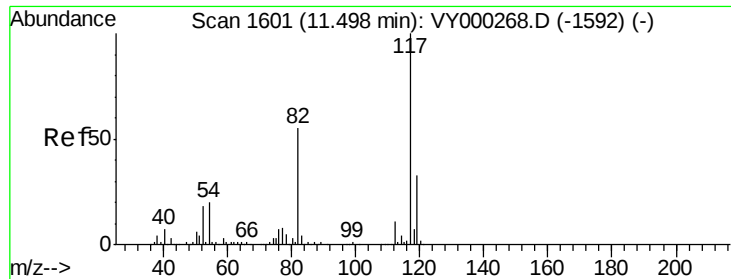
Ion Ratio Lower Upper

95 100

174 83.6 0.0 159.6

176 81.1 0.0 153.8

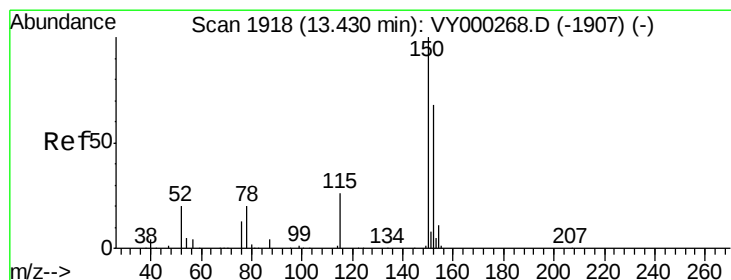
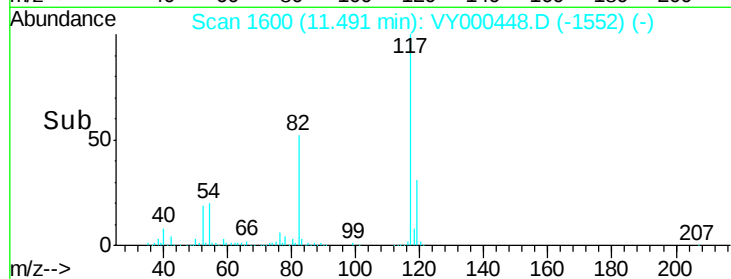
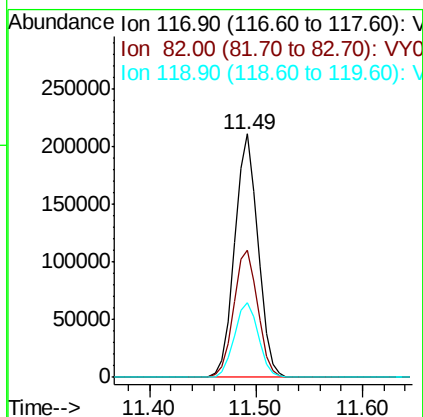
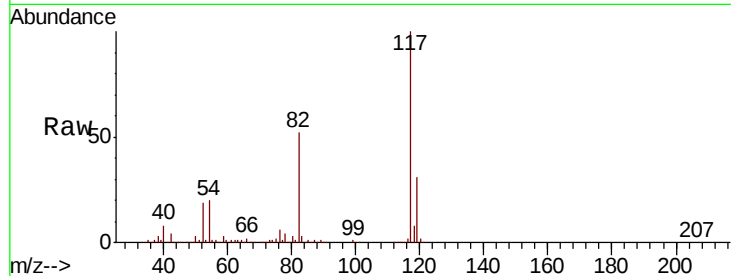




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000448.D
Acq: 28 Oct 2019 12:31

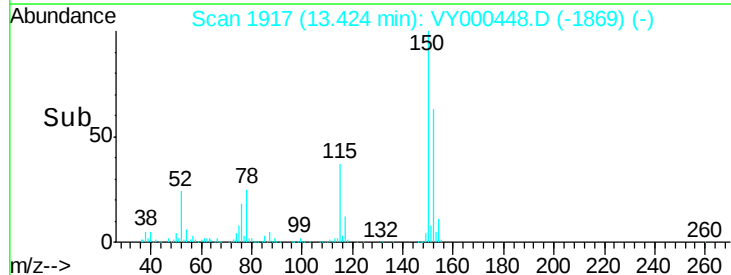
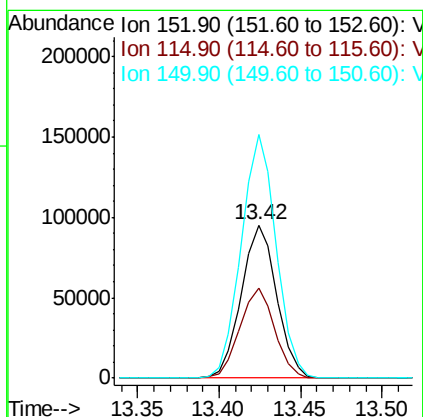
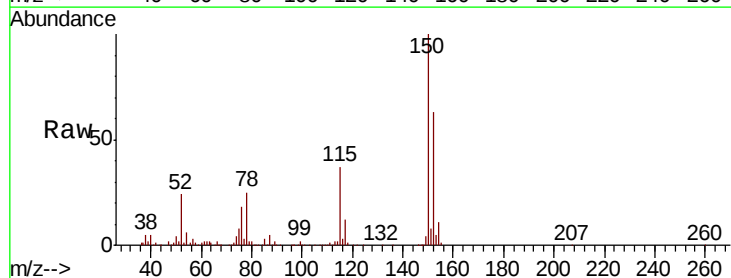
Instrument :
MSVOA_Y
ClientSampleId :

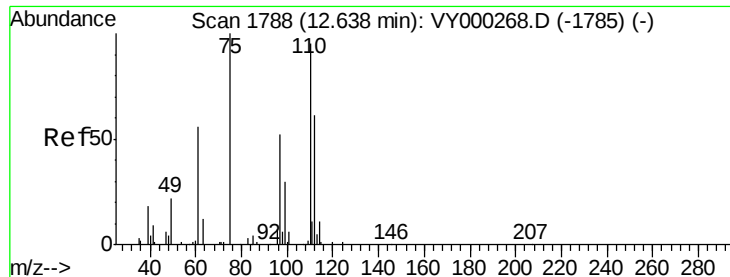
Tot Ion:117 Resp: 324463
Ion Ratio Lower Upper
117 100
82 52.2 43.7 65.5
119 30.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000448.D
Acq: 28 Oct 2019 12:31

Tgt Ion:152 Resp: 143385
Ion Ratio Lower Upper
152 100
115 58.2 29.3 88.0
150 157.5 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 43.494 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

Instrument :

MSVOA_Y

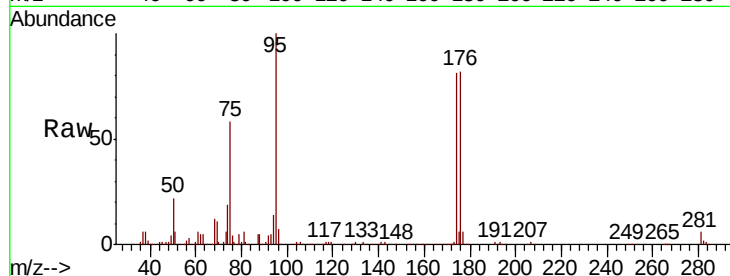
ClientSampleId :

Tot Ion: 75 Resp: 76686

Ion Ratio Lower Upper

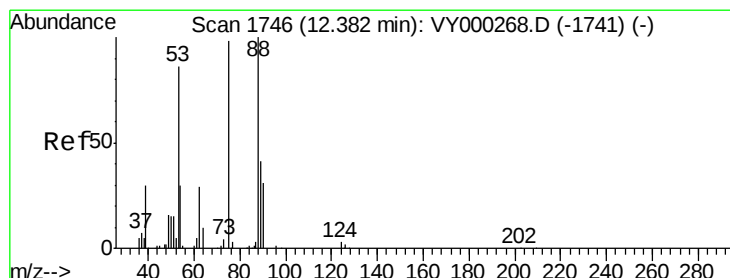
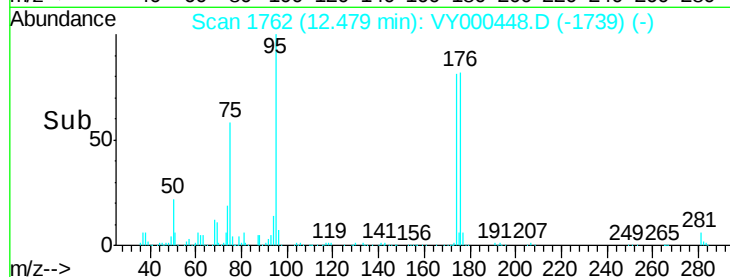
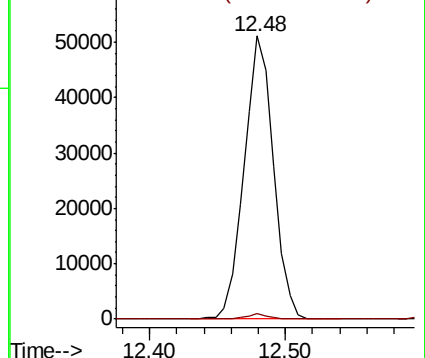
75 100

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: 95.163 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000448.D

Acq: 28 Oct 2019 12:31

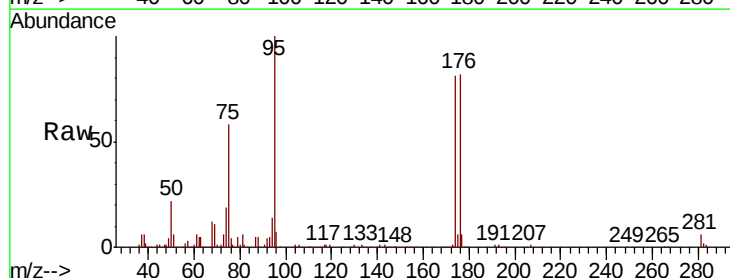
Tgt Ion: 75 Resp: 76686

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

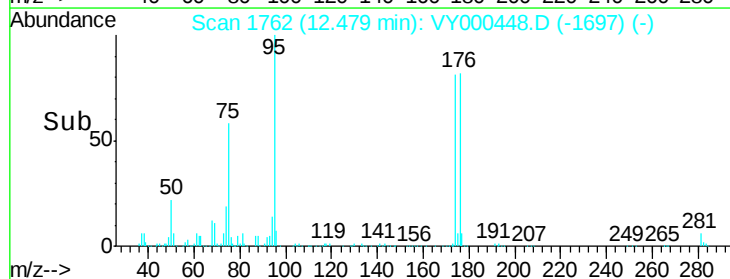
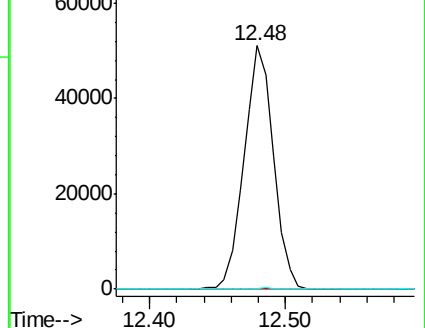
89 0.3 35.1 52.7#

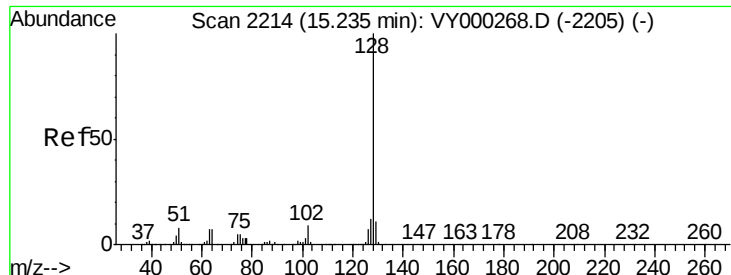


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

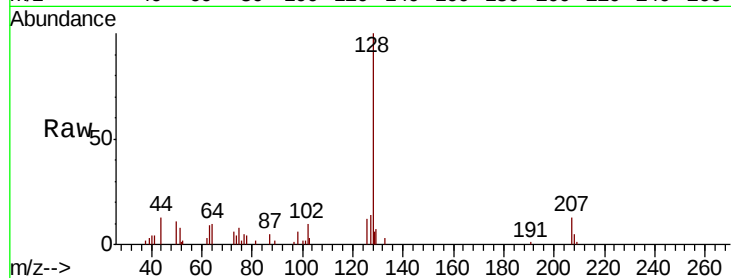




#95
 Naphthalene
 Concen: 1.248 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY000448.D
 Acq: 28 Oct 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	9.6	14.4
129	11.5	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

