

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000312.D
 Acq On : 15 Oct 2019 11:57
 Operator : SY/MD
 Sample : VY1015SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBL01

Quant Time: Oct 15 17:37:36 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	305159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	517768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	432177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189860	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	172474	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
35) Dibromofluoromethane	7.73	113	147296	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	10.18	98	599359	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.48	95	193781	42.46	ug/l	0.00
Spiked Amount			Recovery	=	84.92%	

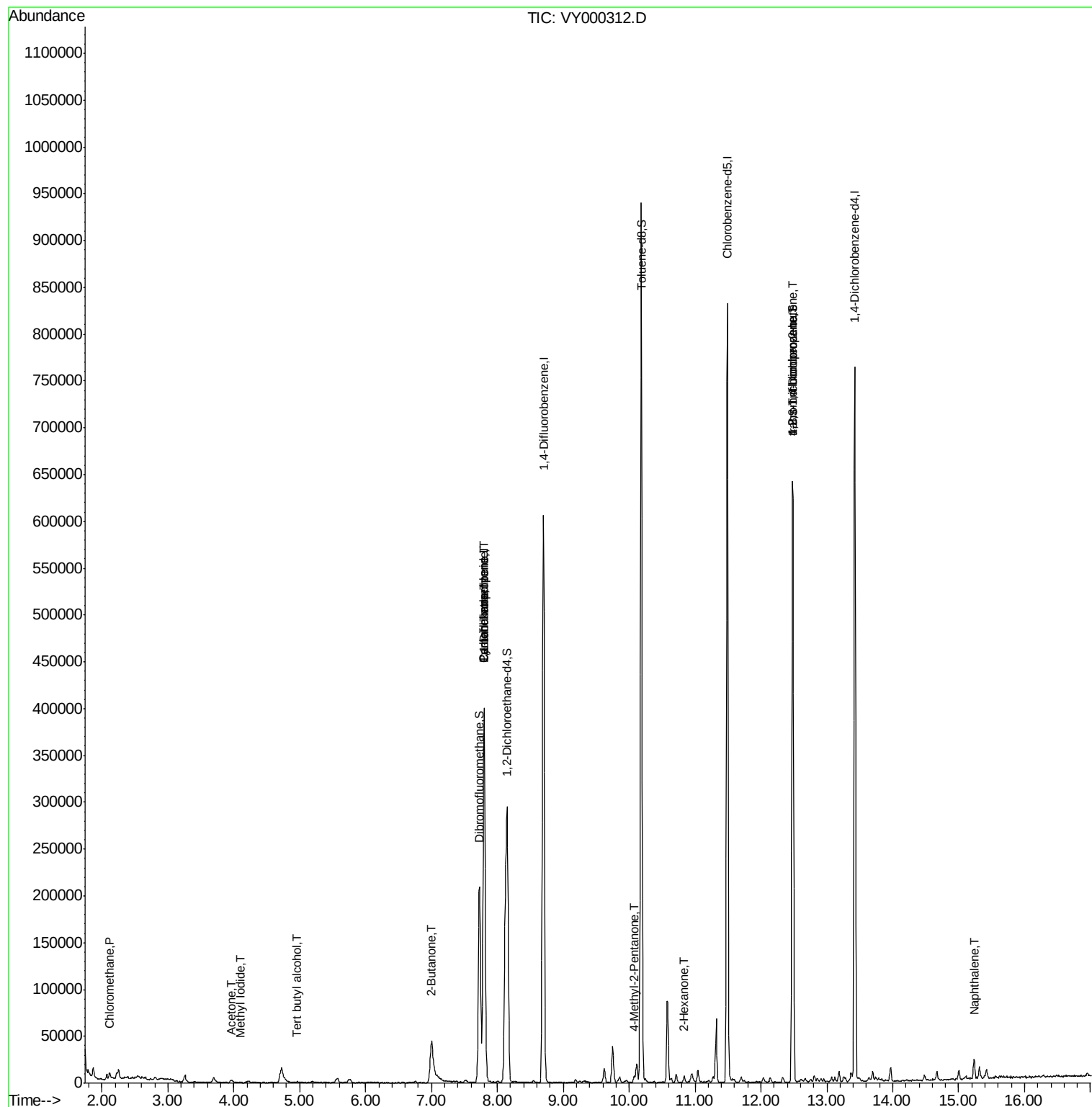
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	400	Below Cal		76
3) Chloromethane	2.11	50	5102	1.368	ug/l #	85
10) Methyl Iodide	4.10	142	85	1.205	ug/l #	68
11) Tert butyl alcohol	4.95	59	1377	4.088	ug/l #	73
16) Acetone	3.96	43	4679	4.489	ug/l	98
20) Methylene Chloride	4.73	84	10875	Below Cal	#	75
25) 2-Butanone	7.01	43	4202	2.862	ug/l #	80
31) Cyclohexane	7.80	56	7227	1.174	ug/l #	35
36) 1,1-Dichloropropene	7.80	75	25500	5.030	ug/l #	48
38) Carbon Tetrachloride	7.80	117	29331	5.976	ug/l #	20
51) 4-Methyl-2-Pentanone	10.08	43	5195	1.765	ug/l #	84
59) 2-Hexanone	10.83	43	4245	2.054	ug/l	94
76) 1,2,3-Trichloropropane	12.48	75	98831	42.333	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	98831	92.622	ug/l #	14
95) Naphthalene	15.23	128	15011	1.645	ug/l	97

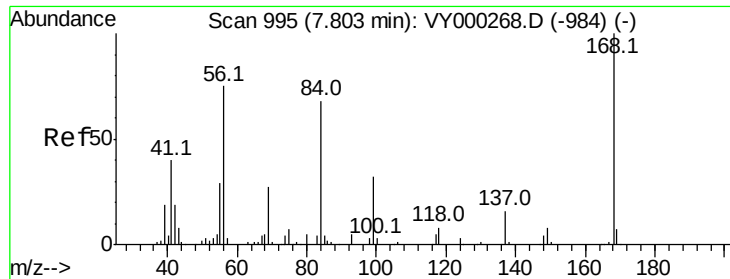
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VY000312.D

Acq: 15 Oct 2019 11:57

Instrument :

MSVOA_Y

ClientSampleId :

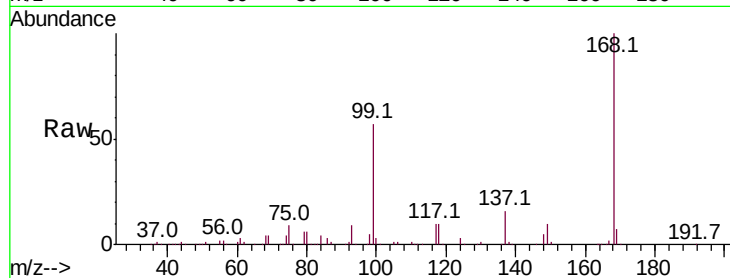
VY1015SBL01

Tot Ion:168 Resp: 305159

Ion Ratio Lower Upper

168 100

99 57.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000312.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000312.D (-946) (-)

7.80

150000

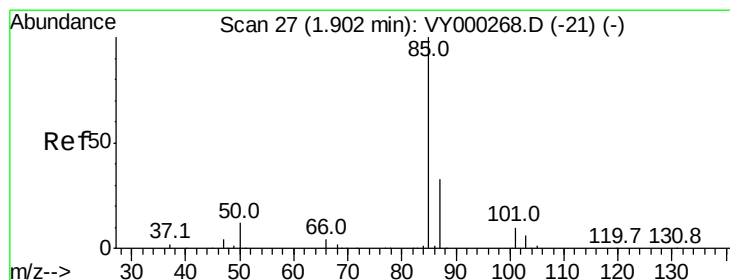
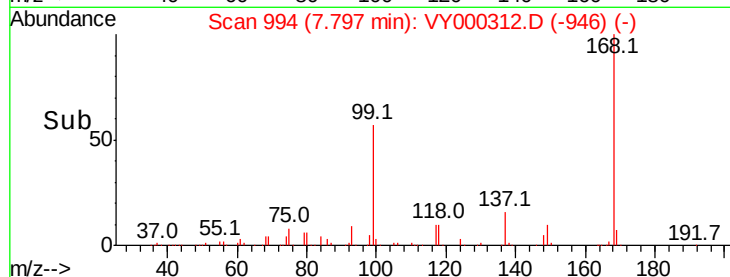
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000312.D

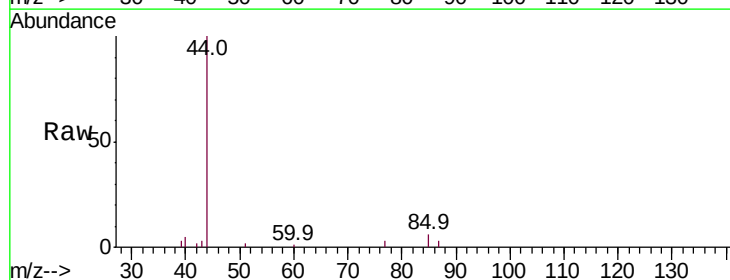
Acq: 15 Oct 2019 11:57

Tgt Ion: 85 Resp: 400

Ion Ratio Lower Upper

85 100

87 46.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000312.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000312.D (-1) (-)

1.91

300

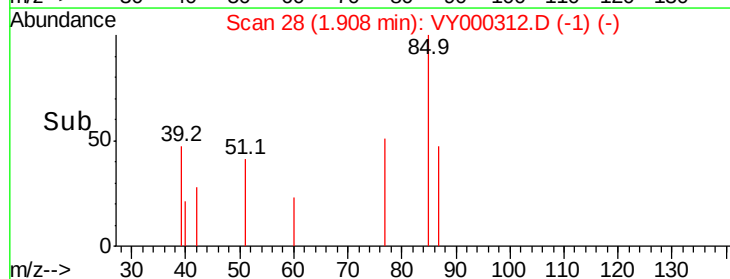
200

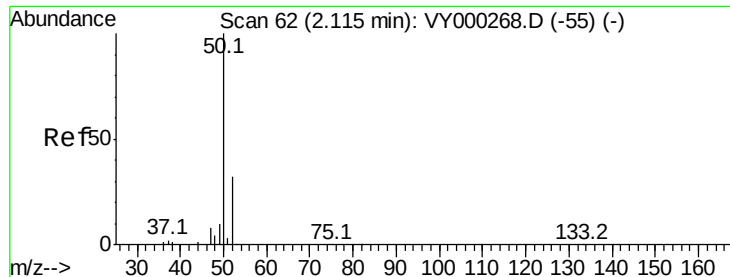
100

0

1.90 1.91 1.92 1.93 1.94 1.95

Time-->





#3

Chloromethane

Concen: 1.368 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000312.D

Acq: 15 Oct 2019 11:57

Instrument :

MSVOA_Y

ClientSampleId :

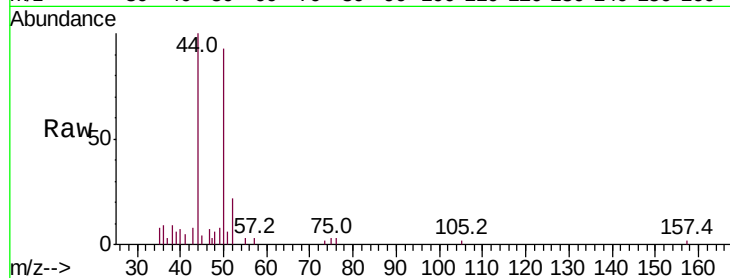
VY1015SBL01

Tot Ion: 50 Resp: 5102

Ion Ratio Lower Upper

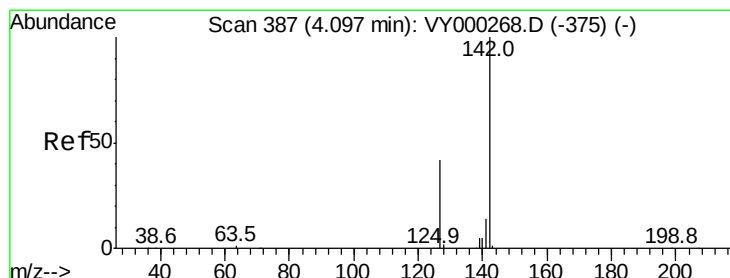
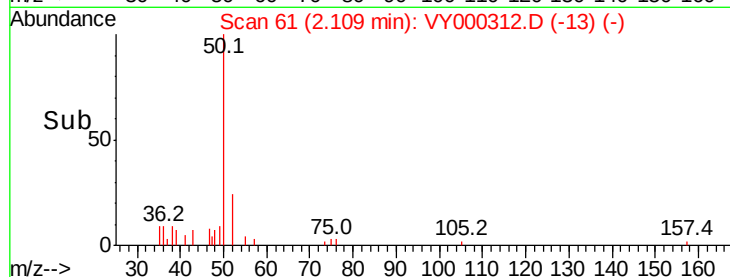
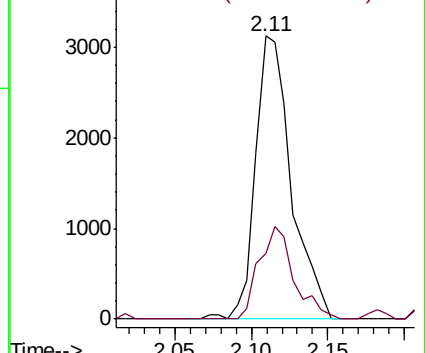
50 100

52 23.2 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#10

Methyl Iodide

Concen: 1.205 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000312.D

Acq: 15 Oct 2019 11:57

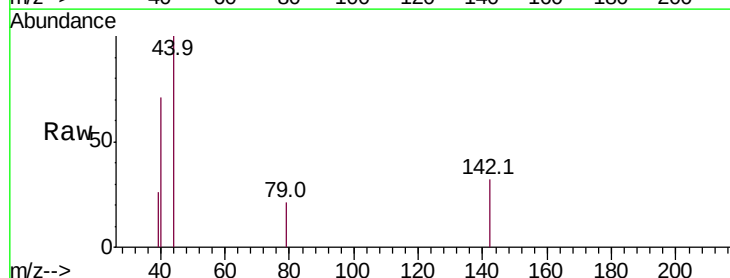
Tgt Ion:142 Resp: 85

Ion Ratio Lower Upper

142 100

127 62.4 33.9 50.9#

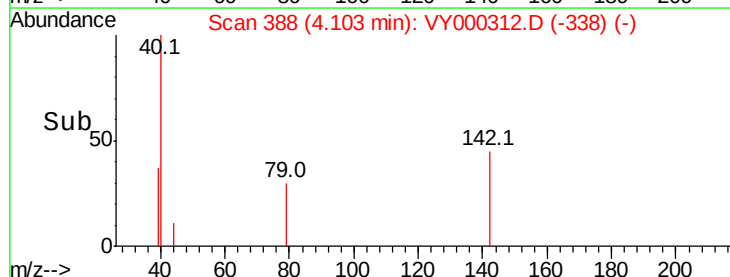
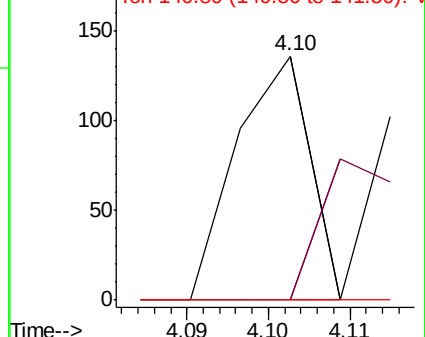
141 0.0 11.2 16.8#

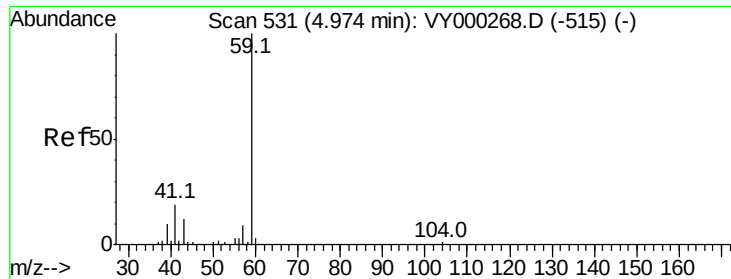


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

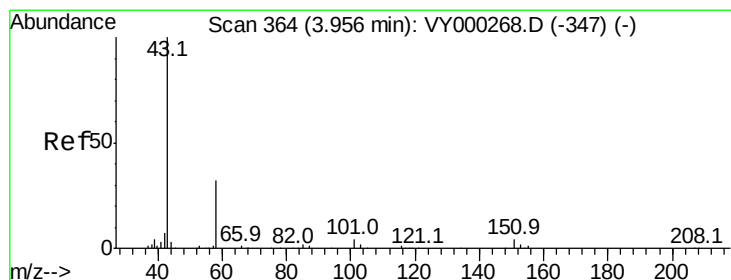
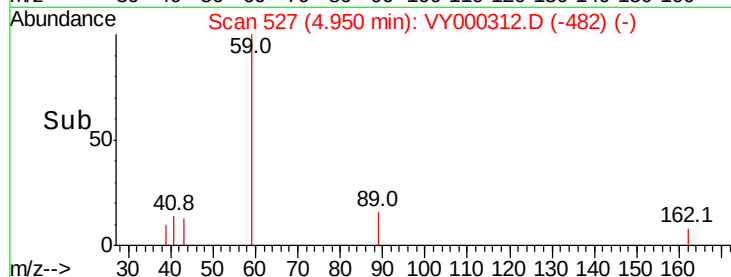
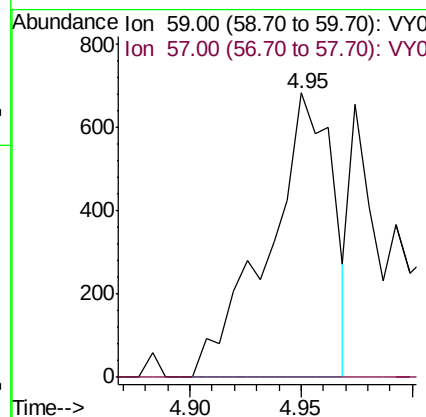
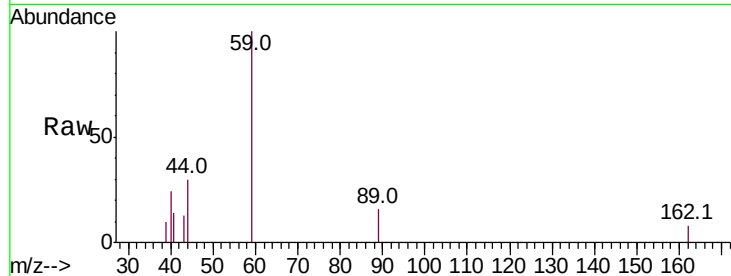




#11
Tert butyl alcohol
Concen: 4.088 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

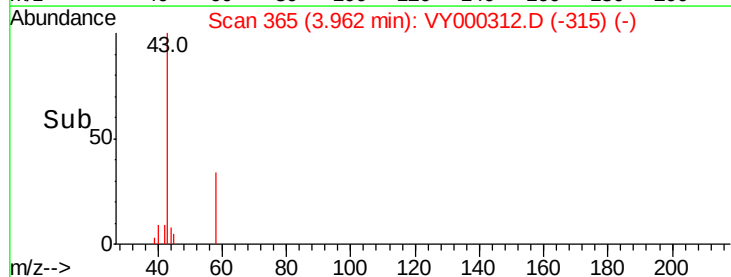
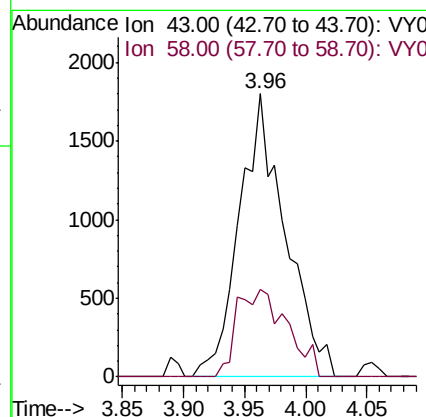
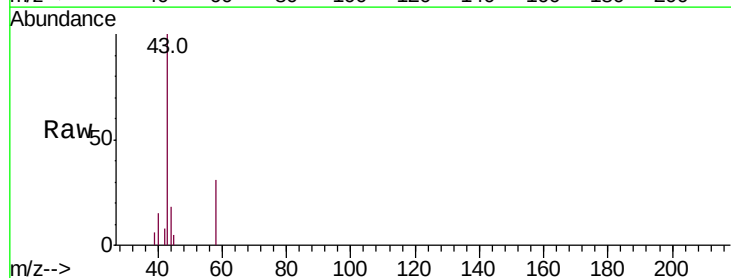
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBL01

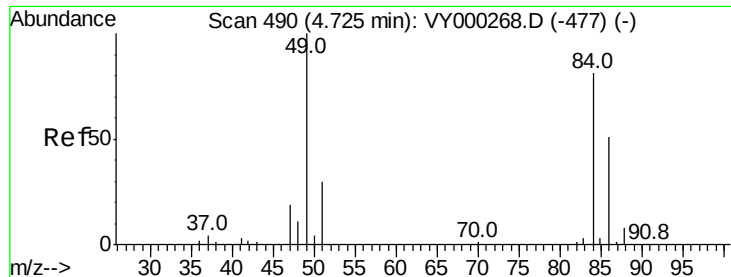
Tot Ion: 59 Resp: 1377
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 4.489 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

Tgt Ion: 43 Resp: 4679
Ion Ratio Lower Upper
43 100
58 31.0 25.8 38.6

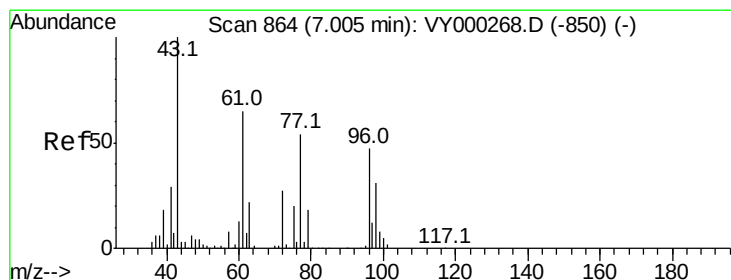
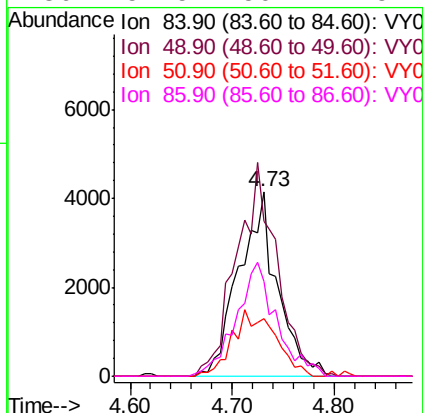
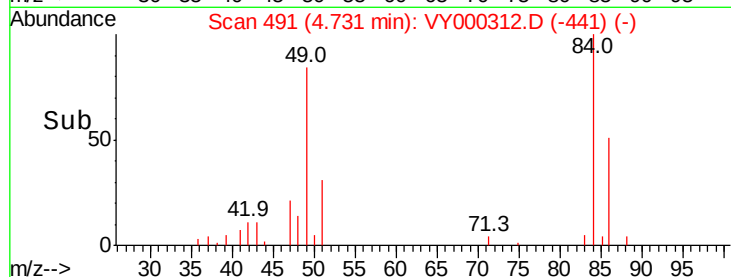
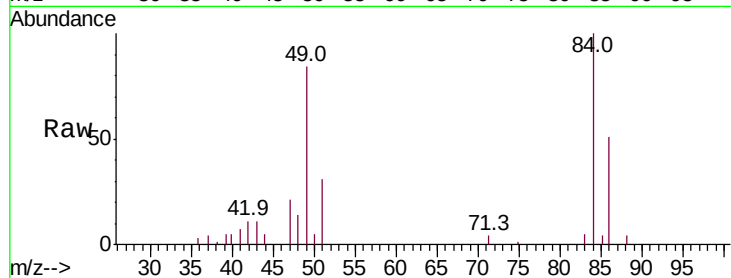




#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

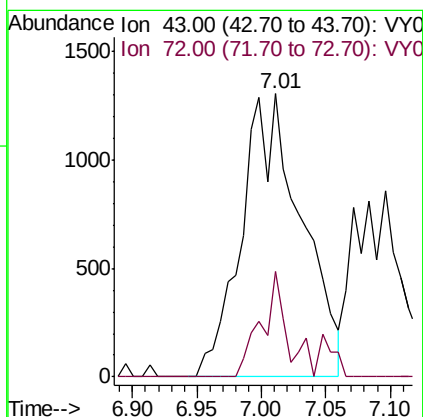
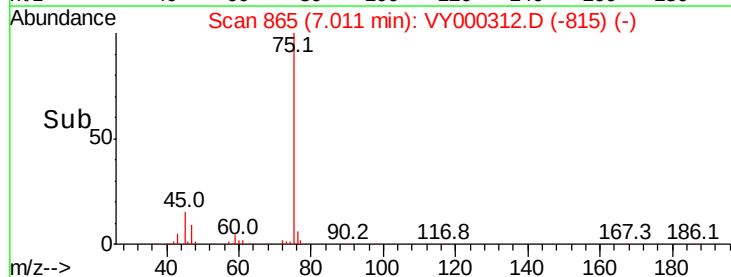
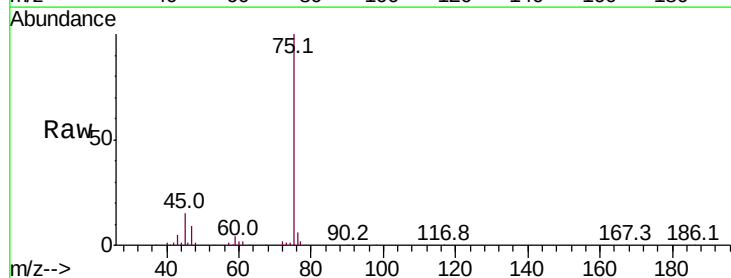
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBL01

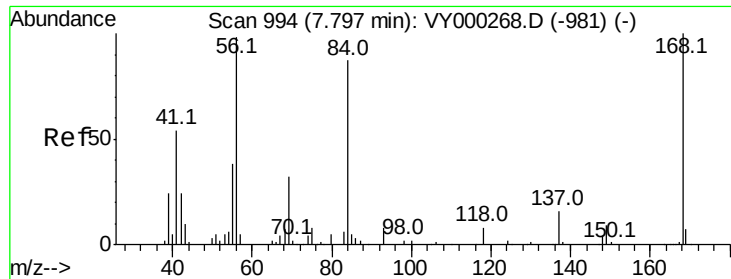
Tot Ion: 84 Resp: 10875
Ion Ratio Lower Upper
84 100
49 83.7 99.0 148.4#
51 31.5 29.3 43.9
86 51.5 50.2 75.4



#25
2-Butanone
Concen: 2.862 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

Tgt Ion: 43 Resp: 4202
Ion Ratio Lower Upper
43 100
72 37.2 21.4 32.2#

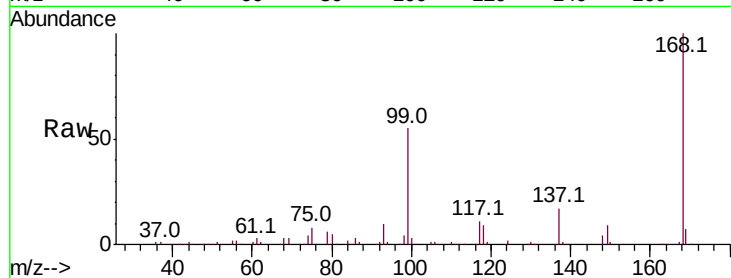




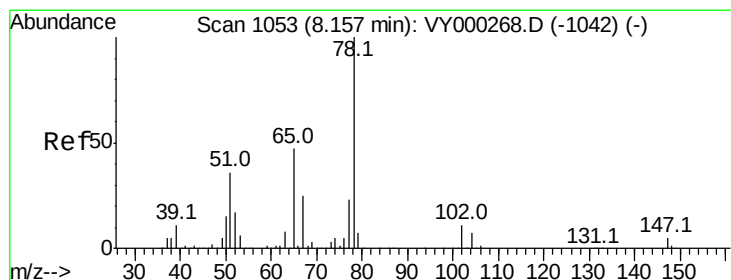
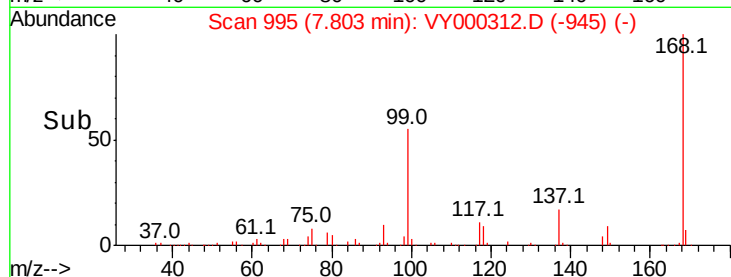
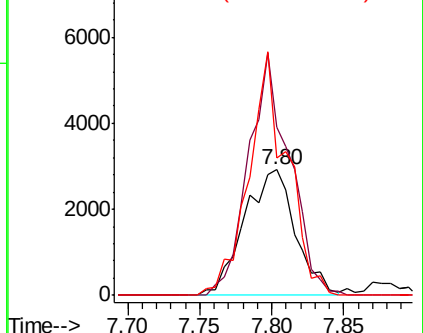
#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBL01

Tot Ion: 56 Resp: 7227
Ion Ratio Lower Upper
56 100
69 134.3 26.3 39.5#
84 109.7 70.8 106.2#

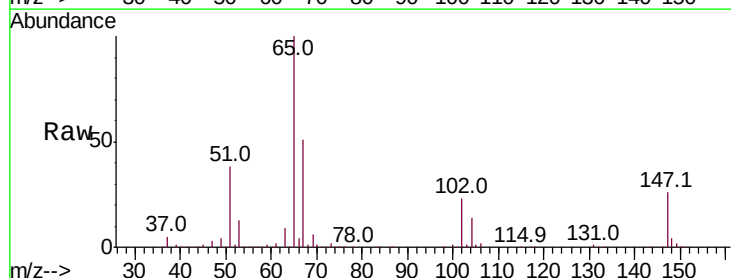


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

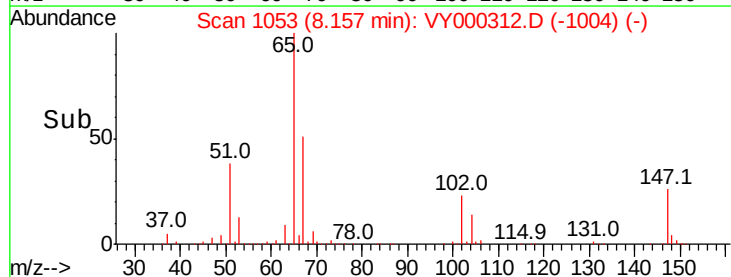
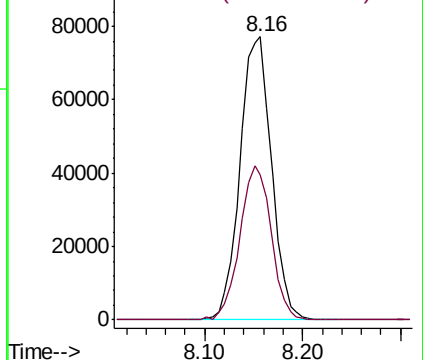


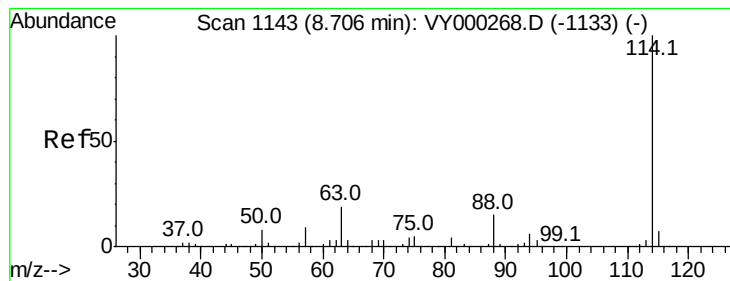
#33
1,2-Dichloroethane-d4
Concen: 53.581 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

Tgt Ion: 65 Resp: 172474
Ion Ratio Lower Upper
65 100
67 54.0 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: VY000312.D

Acq: 15 Oct 2019 11:57

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBL01

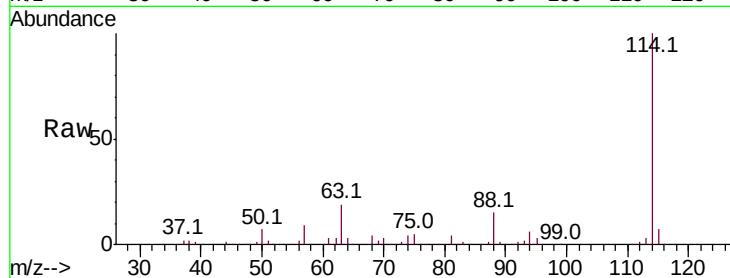
Tot Ion:114 Resp: 517768

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.2

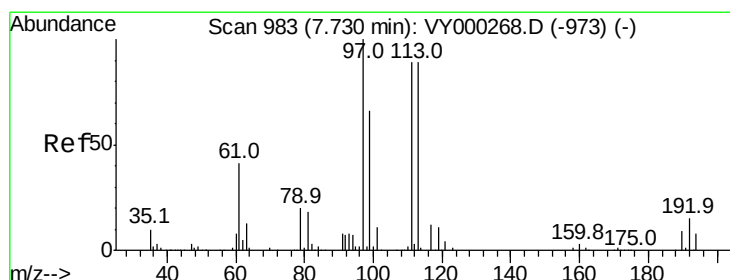
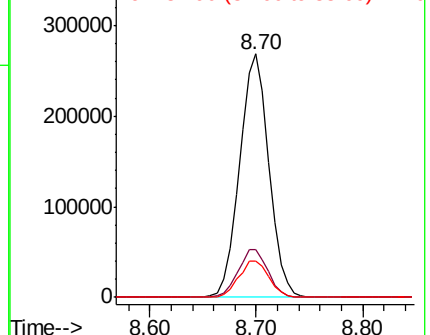
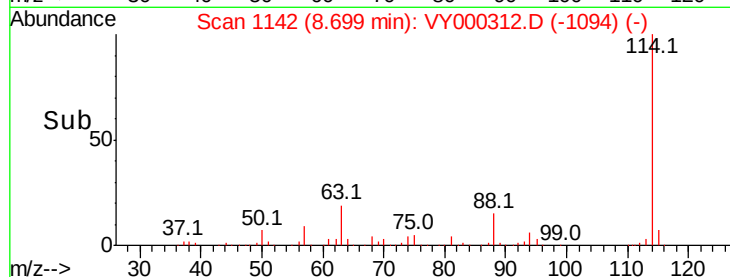
88 14.8 0.0 30.2



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: 47.162 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000312.D

Acq: 15 Oct 2019 11:57

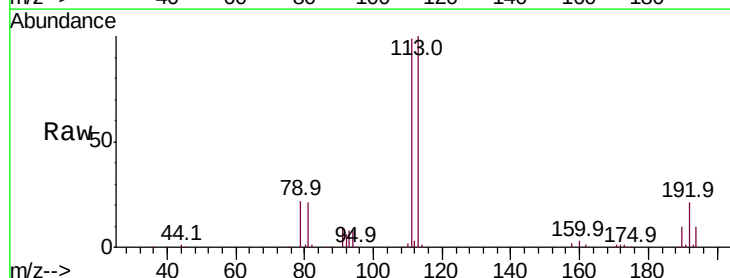
Tgt Ion:113 Resp: 147296

Ion Ratio Lower Upper

113 100

111 103.8 81.6 122.4

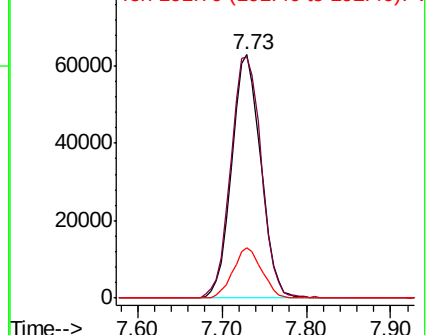
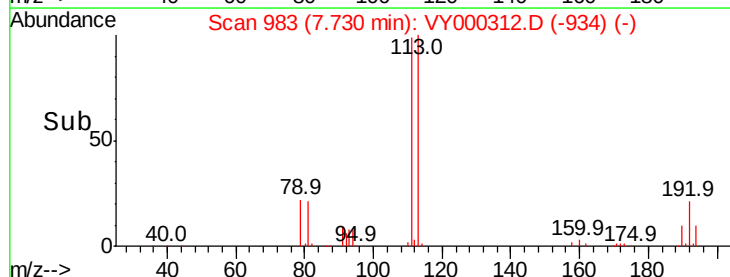
192 20.3 15.3 22.9

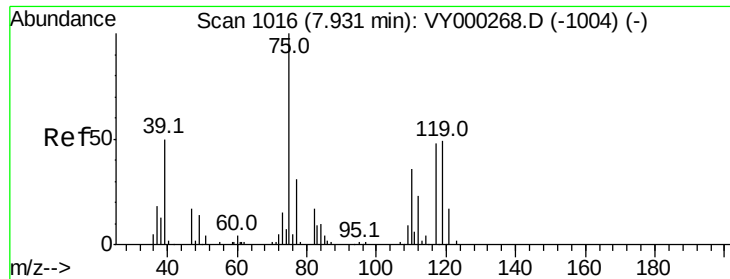


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

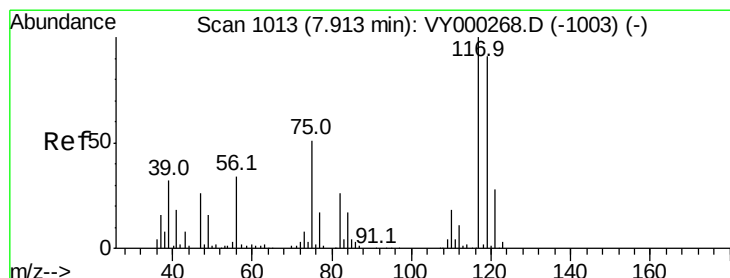
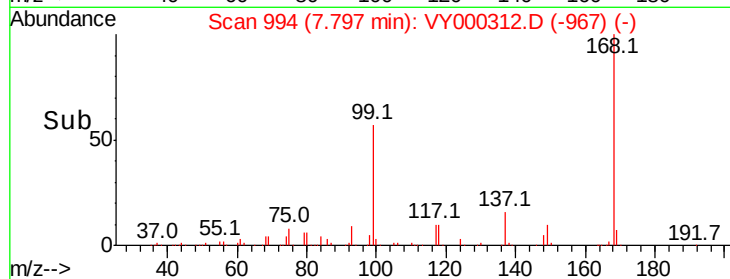
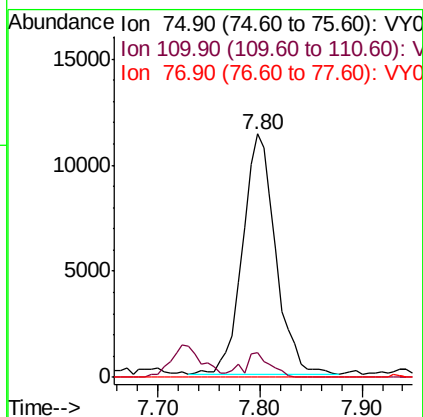
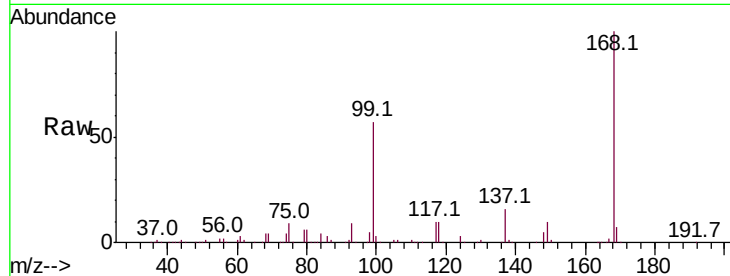




#36
 1,1-Dichloropropene
 Concen: 5.030 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000312.D
 Acq: 15 Oct 2019 11:57

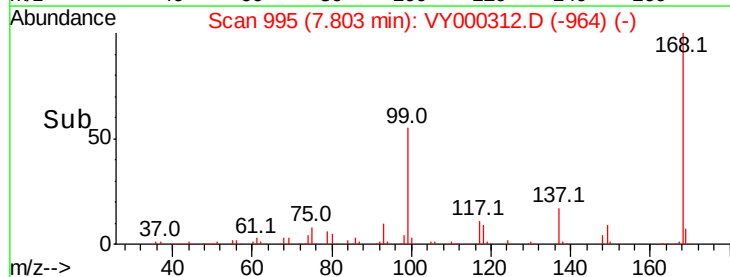
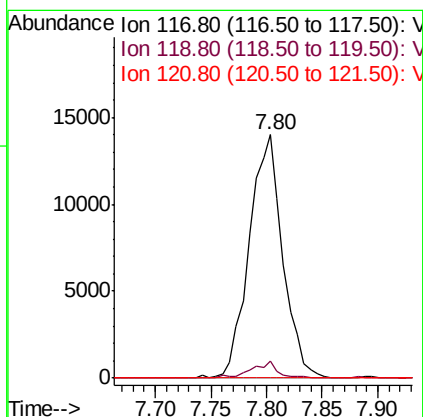
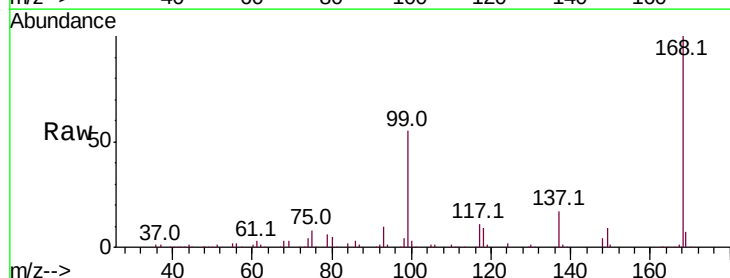
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBL01

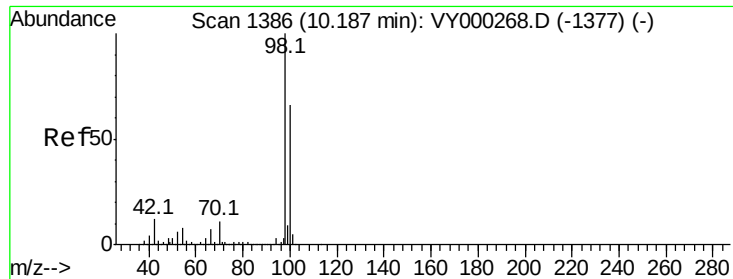
Tot Ion: 75 Resp: 25500
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.976 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000312.D
 Acq: 15 Oct 2019 11:57

Tgt Ion: 117 Resp: 29331
 Ion Ratio Lower Upper
 117 100
 119 6.9 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 49.887 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000312.D

Acq: 15 Oct 2019 11:57

Instrument :

MSVOA_Y

ClientSampleId :

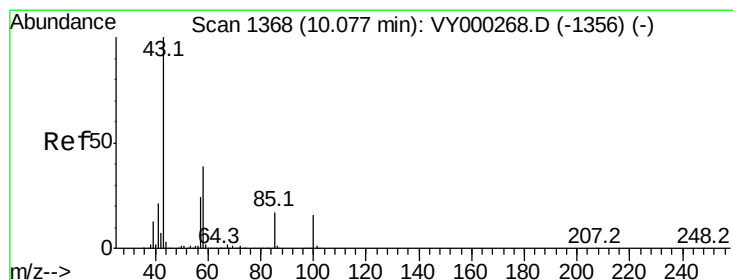
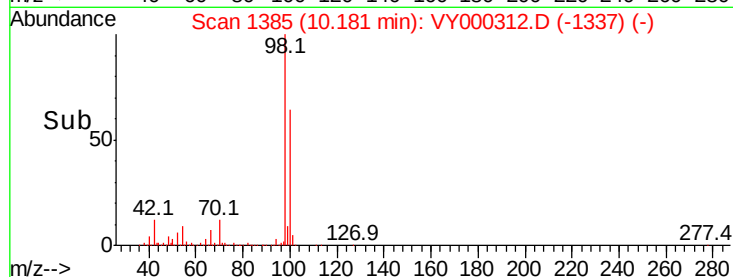
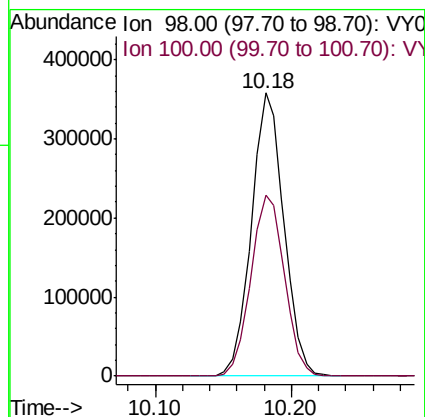
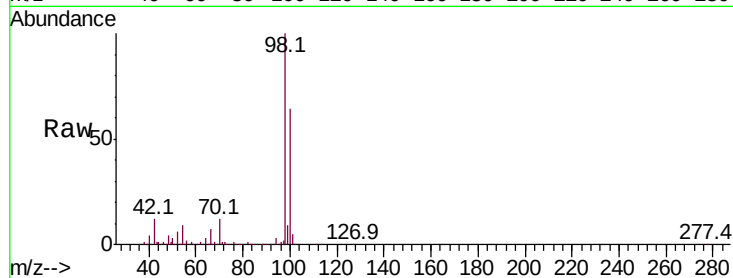
VY1015SBL01

Tot Ion: 98 Resp: 599359

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 1.765 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000312.D

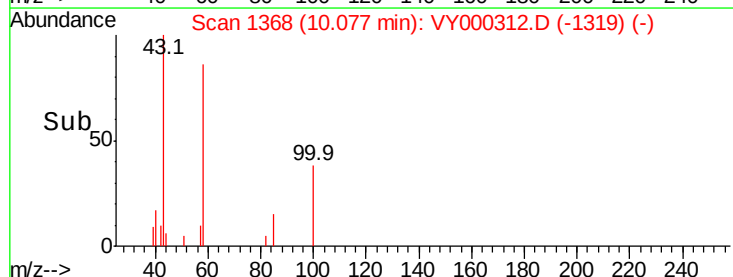
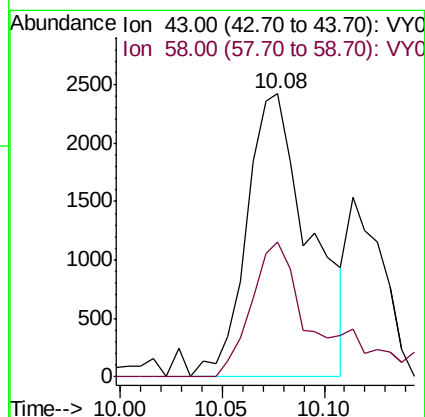
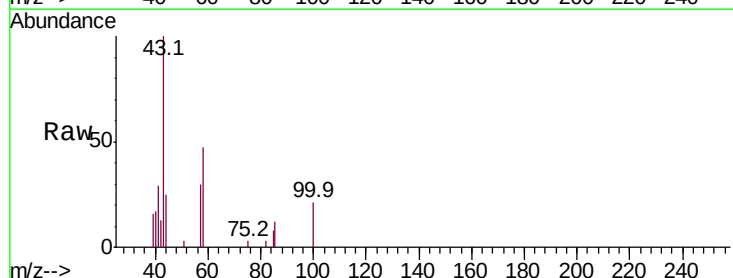
Acq: 15 Oct 2019 11:57

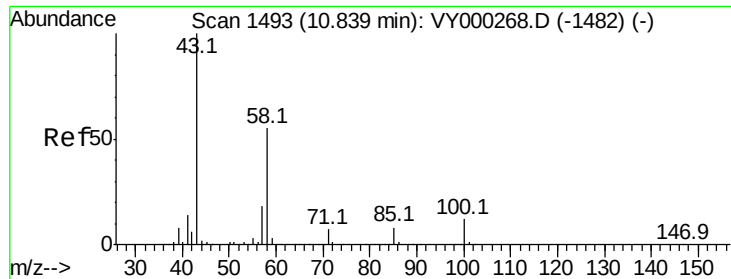
Tgt Ion: 43 Resp: 5195

Ion Ratio Lower Upper

43 100

58 48.7 31.0 46.6#

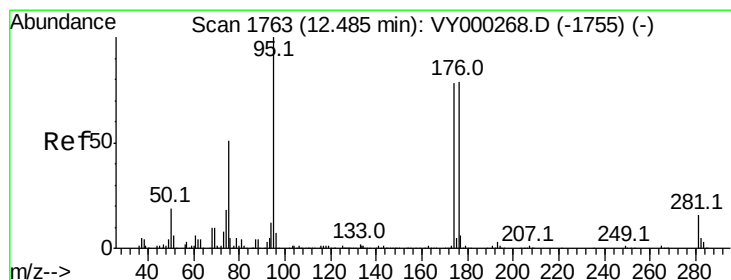
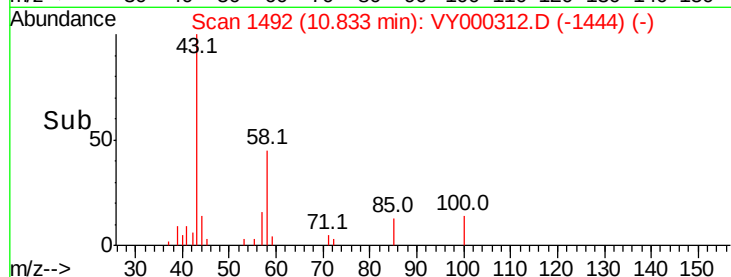
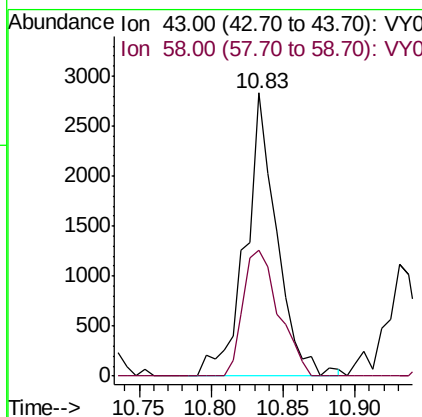
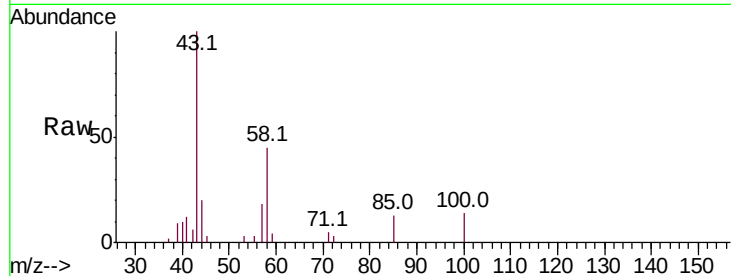




#59
2-Hexanone
Concen: 2.054 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

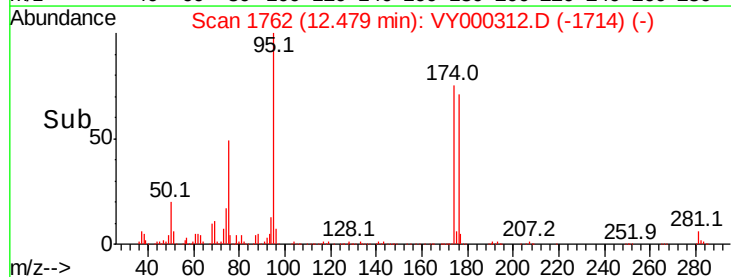
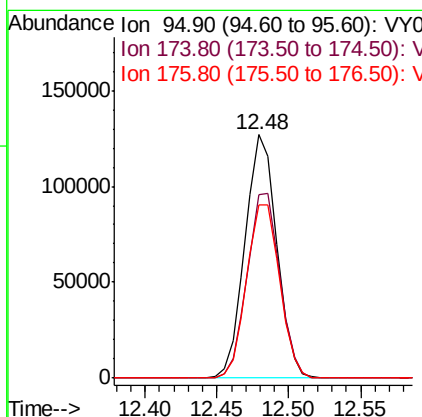
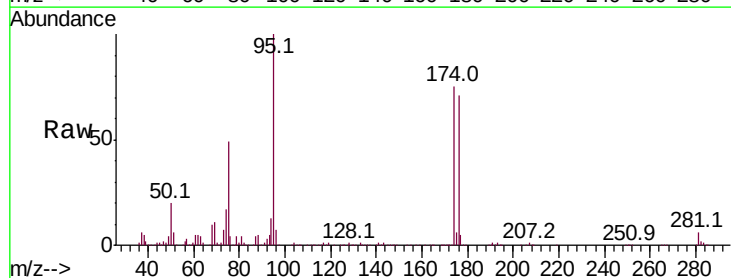
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBL01

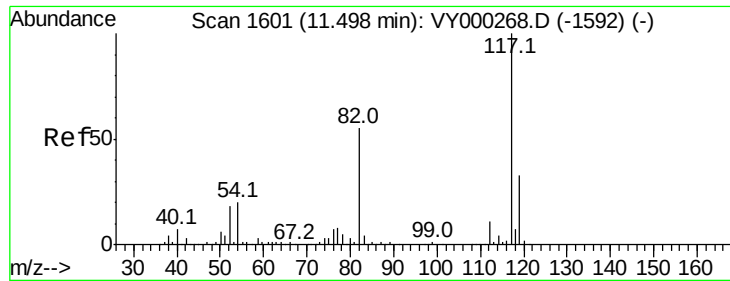
Tot Ion: 43 Resp: 4245
Ion Ratio Lower Upper
43 100
58 51.0 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 42.455 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

Tgt Ion: 95 Resp: 193781
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.6
176 74.3 0.0 153.8

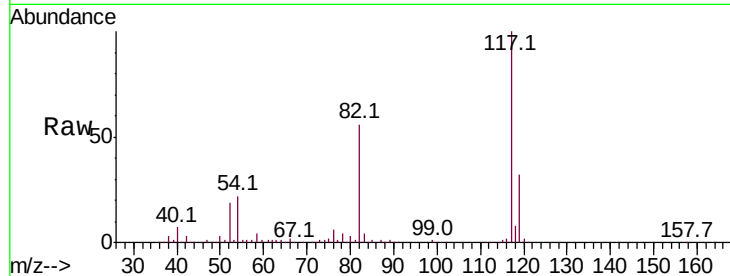




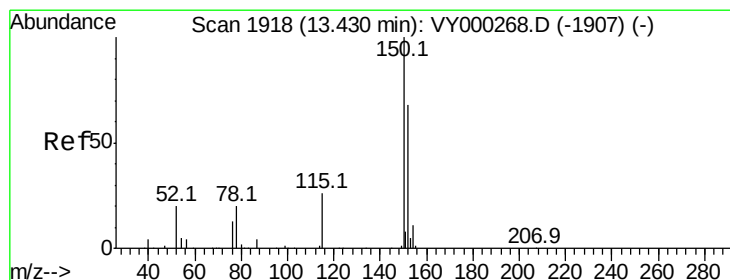
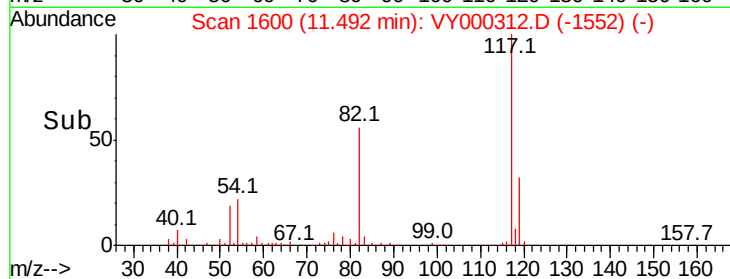
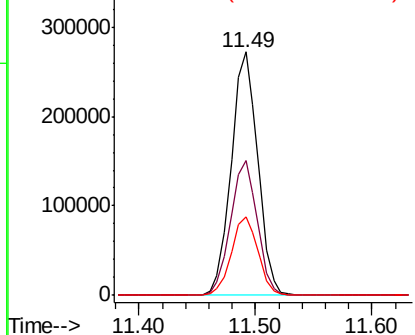
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBL01

Tot Ion:117 Resp: 432177
Ion Ratio Lower Upper
117 100
82 55.5 43.7 65.5
119 32.4 26.6 39.8

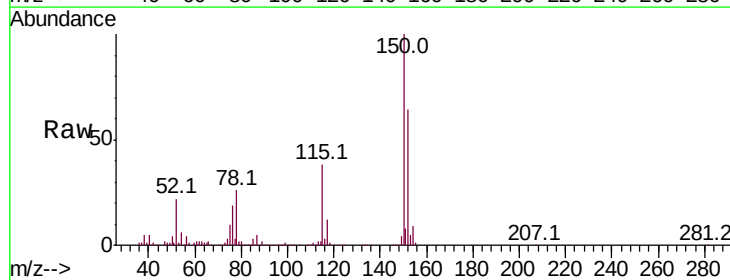


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

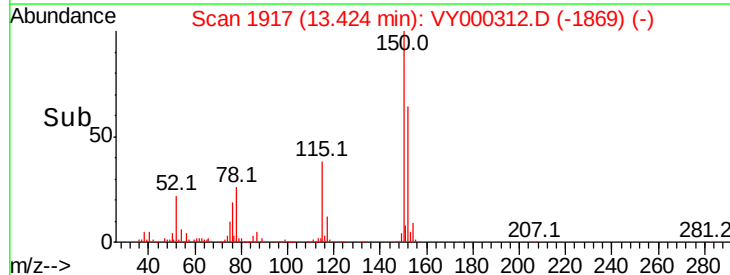
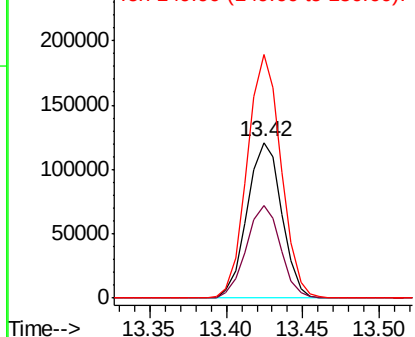


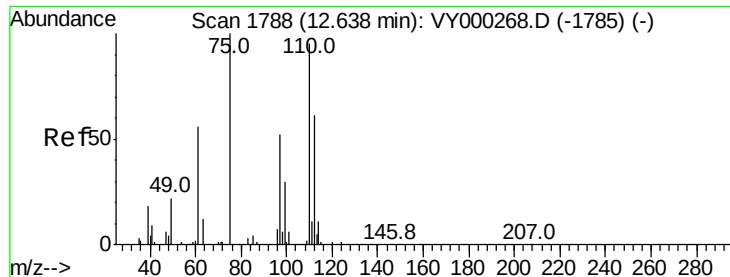
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000312.D
Acq: 15 Oct 2019 11:57

Tgt Ion:152 Resp: 189860
Ion Ratio Lower Upper
152 100
115 58.6 29.3 88.0
150 153.7 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: 42.333 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000312.D

Acq: 15 Oct 2019 11:57

Instrument :

MSVOA_Y

ClientSampleId :

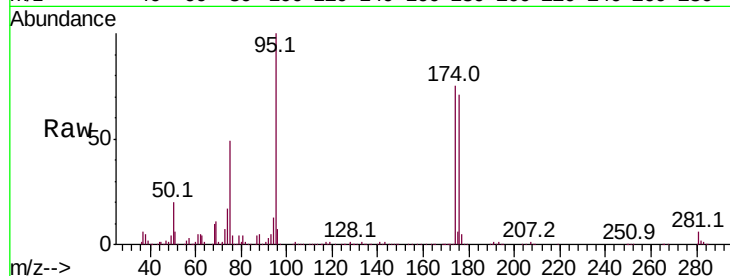
VY1015SBL01

Tot Ion: 75 Resp: 98831

Ion Ratio Lower Upper

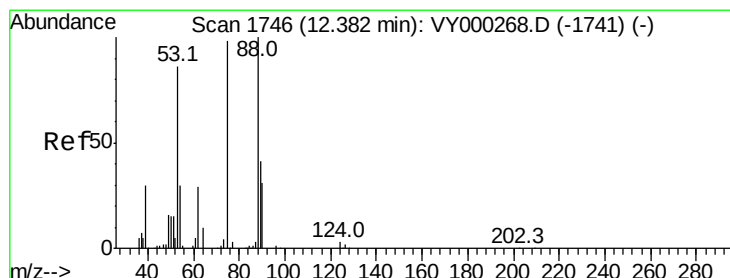
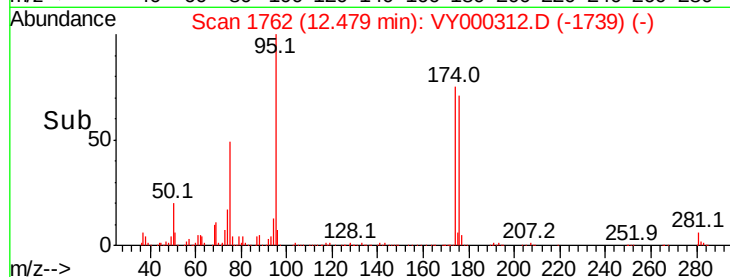
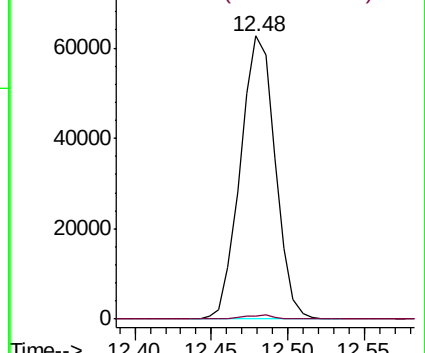
75 100

77 1.1 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: 92.622 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000312.D

Acq: 15 Oct 2019 11:57

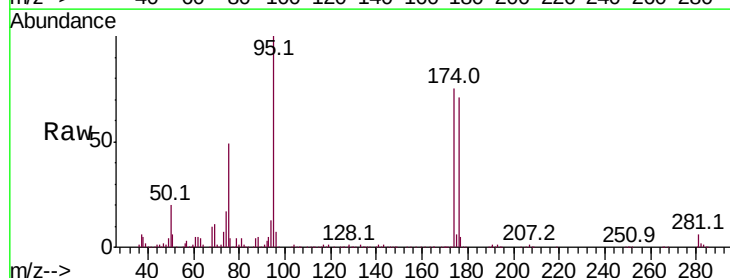
Tgt Ion: 75 Resp: 98831

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

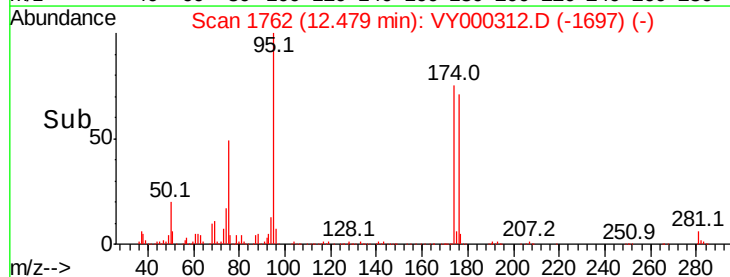
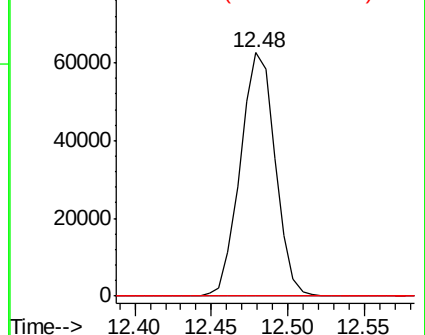
89 0.1 35.1 52.7#

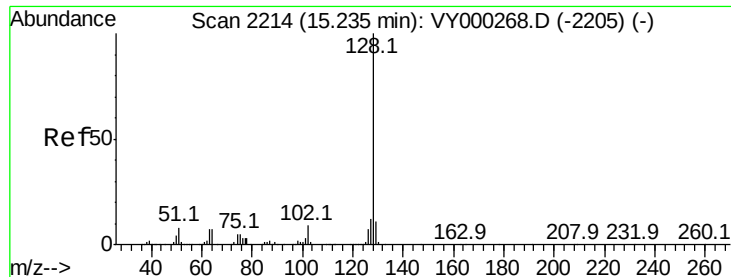


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.645 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000312.D

Acq: 15 Oct 2019 11:57

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBL01

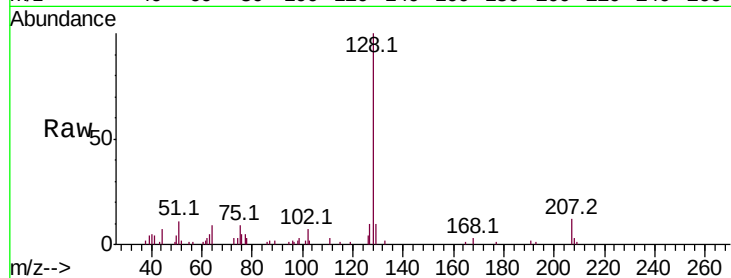
Tot Ion:128 Resp: 15011

Ion Ratio Lower Upper

128 100

127 13.3 9.6 14.4

129 9.7 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

