

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000305.D
 Acq On : 14 Oct 2019 17:31
 Operator : SY/MD
 Sample : K5355-05
 Misc : 6.12g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:16:38 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	220414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	426381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	157533	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	145835	62.72	ug/l	0.00
Spiked Amount			Recovery	=	125.44%	
35) Dibromofluoromethane	7.73	113	116901	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
50) Toluene-d8	10.18	98	505490	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.48	95	163966	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	

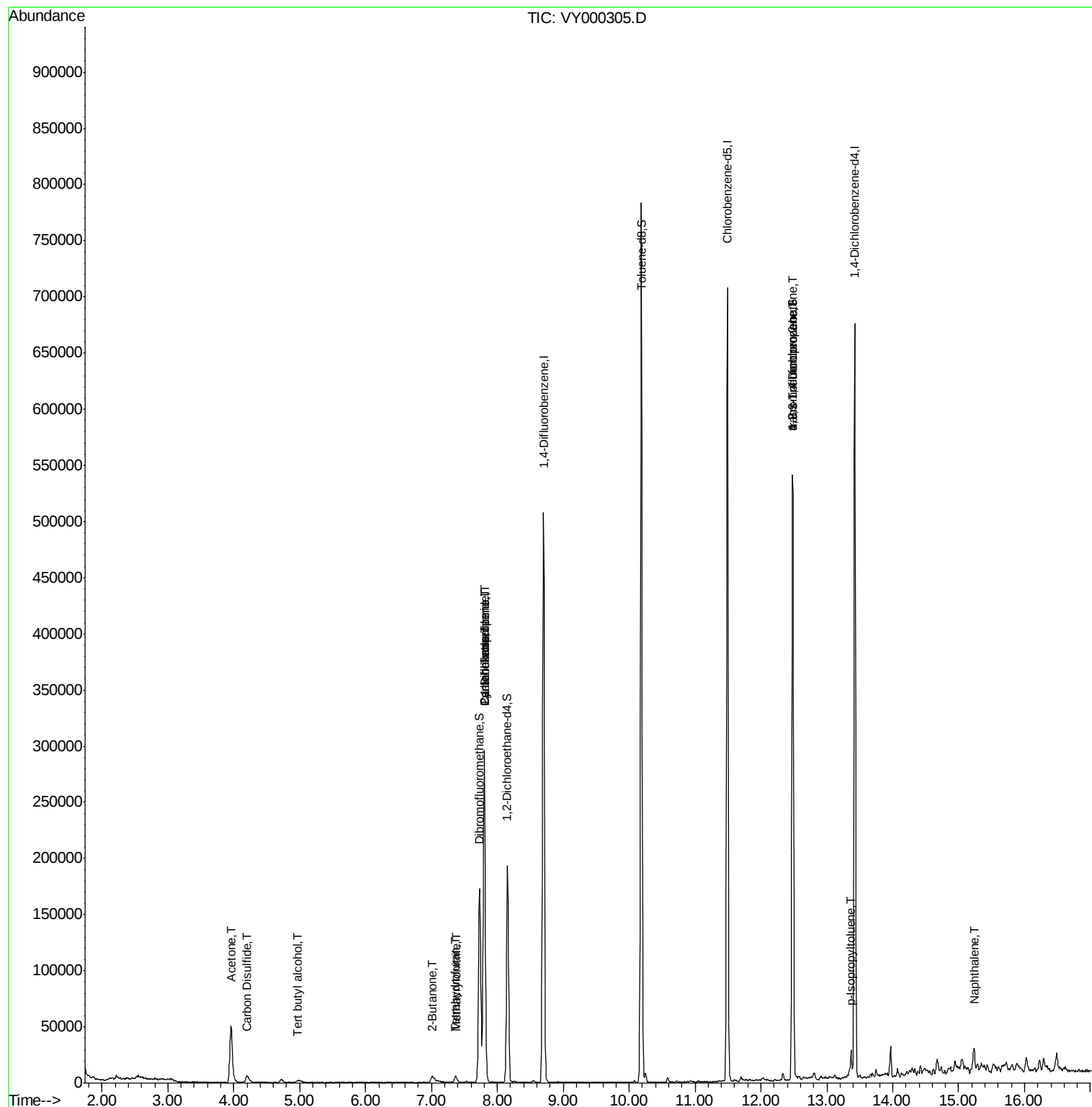
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	49	Below Cal	#	41
11) Tert butyl alcohol	4.96	59	3169	13.024	ug/l #	84
16) Acetone	3.96	43	84012	111.578	ug/l	98
17) Carbon Disulfide	4.19	76	10143	1.447	ug/l #	91
20) Methylene Chloride	4.72	84	2274	Below Cal	#	82
25) 2-Butanone	7.02	43	2626	2.476	ug/l	93
29) Tetrahydrofuran	7.36	42	4480	6.970	ug/l #	87
31) Cyclohexane	7.80	56	4797	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18930	4.535	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22197	5.492	ug/l #	17
41) Methacrylonitrile	7.38	41	2793	2.374	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	87061	44.944	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87061	98.335	ug/l #	14
86) p-Isopropyltoluene	13.37	119	11185	1.017	ug/l	95
95) Naphthalene	15.23	128	12523	1.654	ug/l #	93

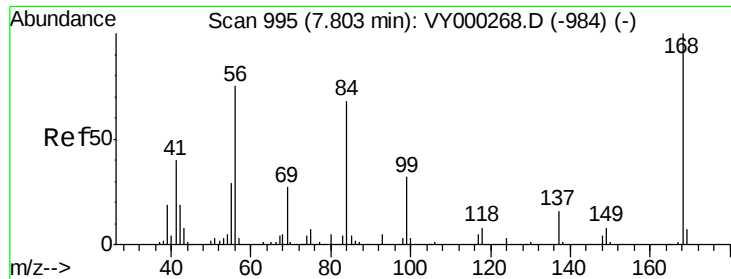
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
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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: VY000305.D

Acq: 14 Oct 2019 17:31

Instrument :

MSVOA_Y

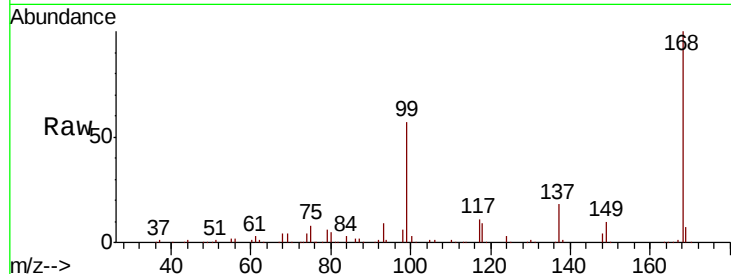
ClientSampled :

Tot Ion:168 Resp: 220414

Ion Ratio Lower Upper

168 100

99 57.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000305.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000305.D (-946) (-)

7.80

100000

80000

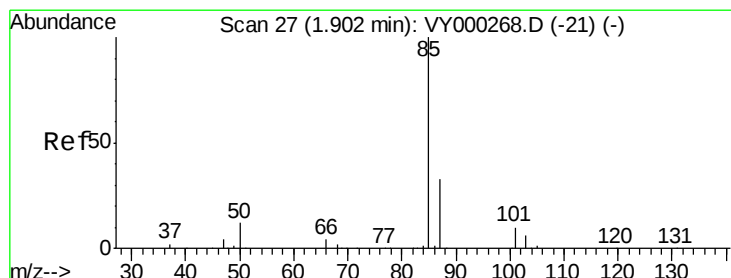
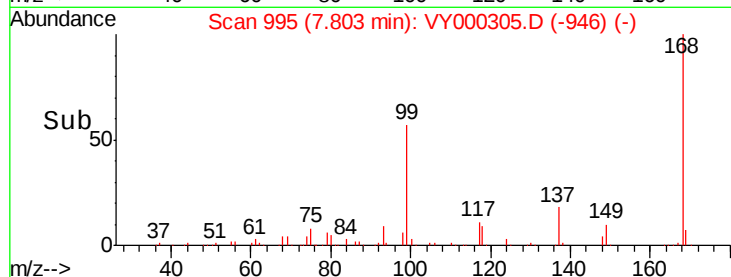
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000305.D

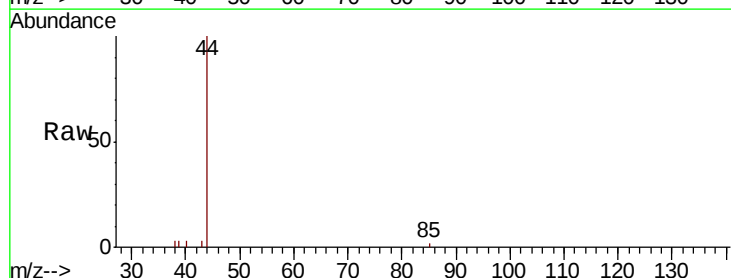
Acq: 14 Oct 2019 17:31

Tgt Ion: 85 Resp: 49

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000305.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000305.D (-1) (-)

1.91

80

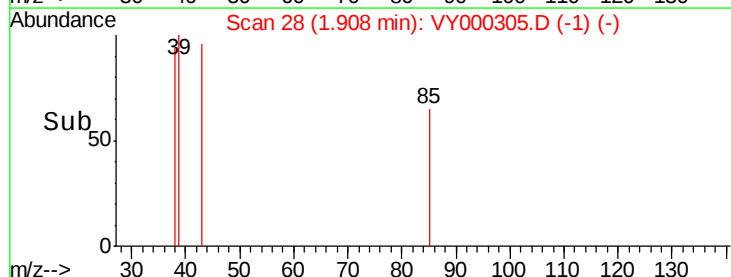
60

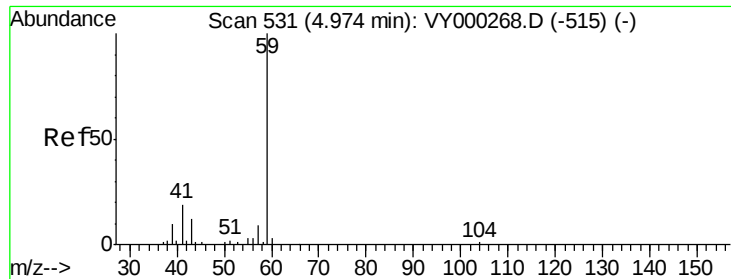
40

20

0

Time-->

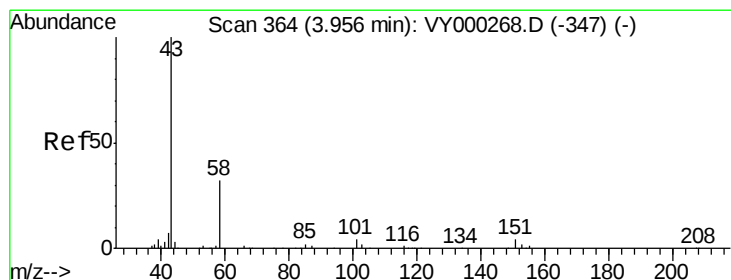
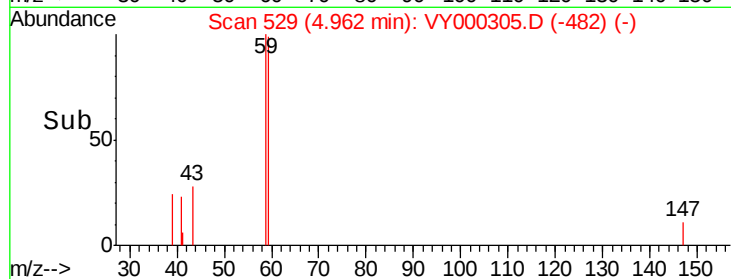
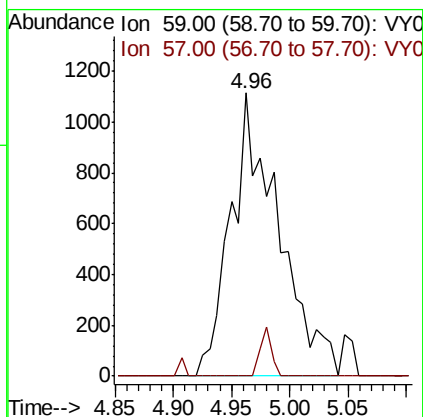
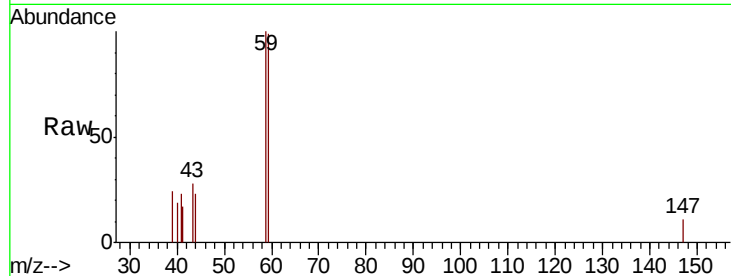




#11
Tert butyl alcohol
Concen: 13.024 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

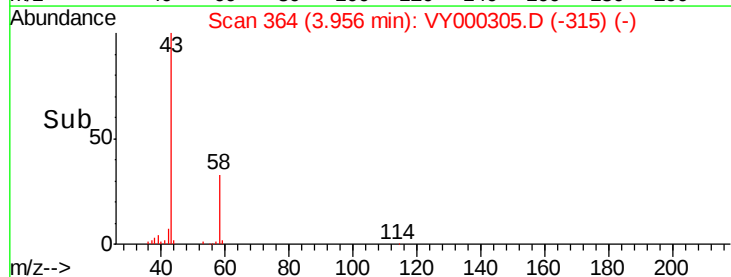
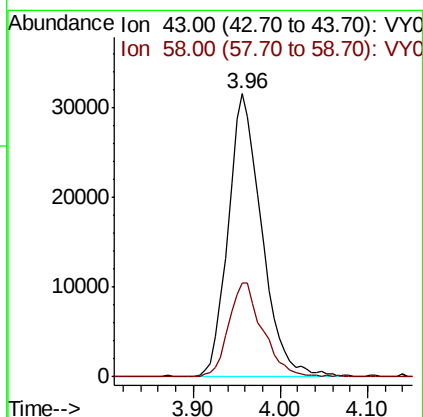
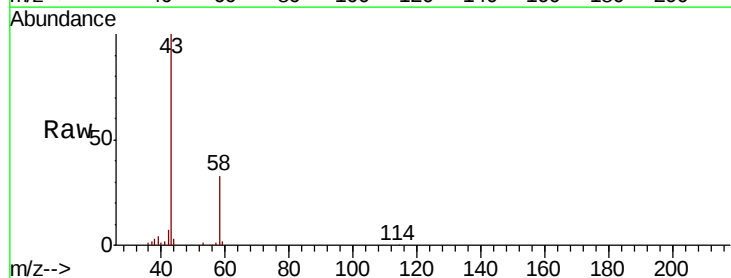
Instrument :
MSVOA_Y
ClientSampled :

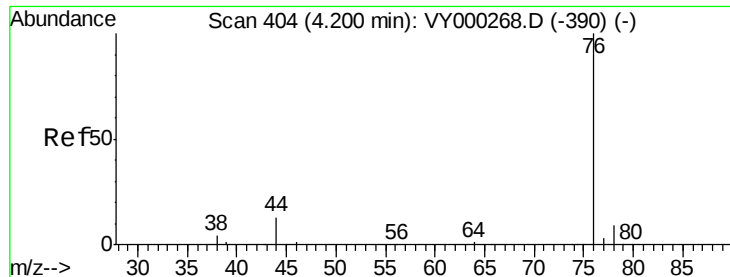
Tot Ion: 59 Resp: 3169
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.2#



#16
Acetone
Concen: 111.578 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Tgt Ion: 43 Resp: 84012
Ion Ratio Lower Upper
43 100
58 33.3 25.8 38.6





#17

Carbon Disulfide

Concen: 1.447 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000305.D

Acq: 14 Oct 2019 17:31

Instrument :

MSVOA_Y

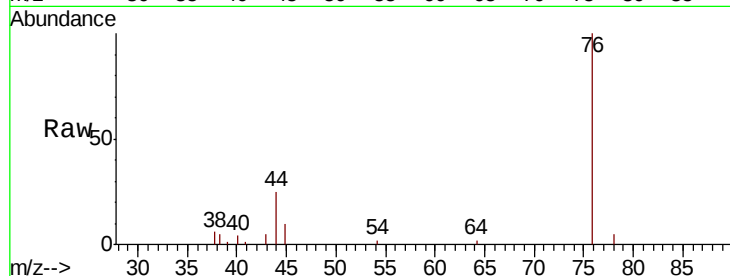
ClientSampleId :

Tot Ion: 76 Resp: 10143

Ion Ratio Lower Upper

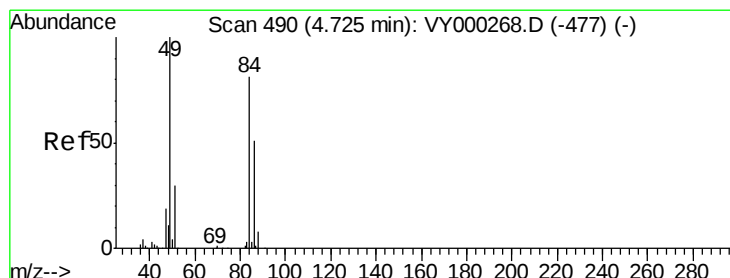
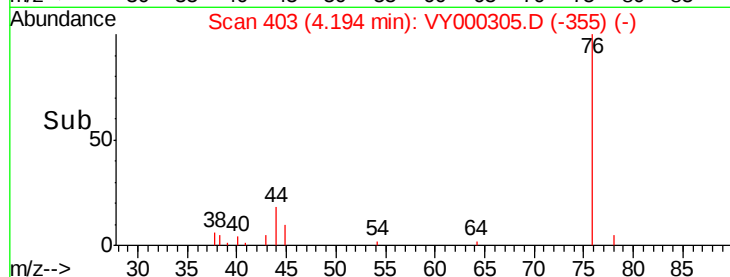
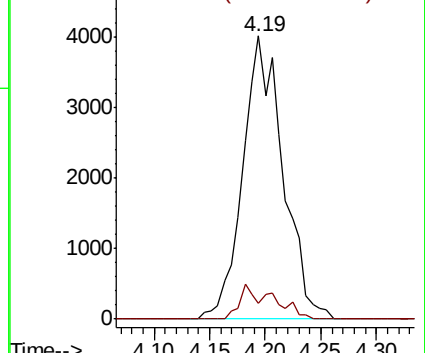
76 100

78 5.4 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000305.D

Acq: 14 Oct 2019 17:31

Tgt Ion: 84 Resp: 2274

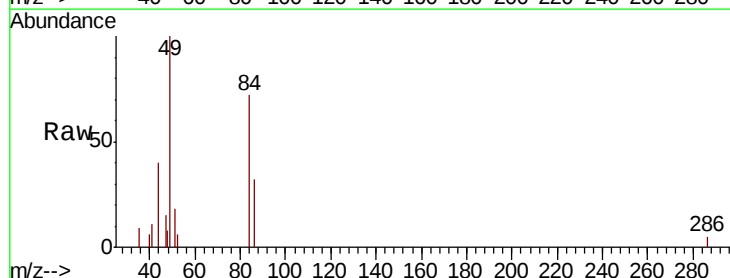
Ion Ratio Lower Upper

84 100

49 139.6 99.0 148.4

51 24.5 29.3 43.9#

86 45.4 50.2 75.4#

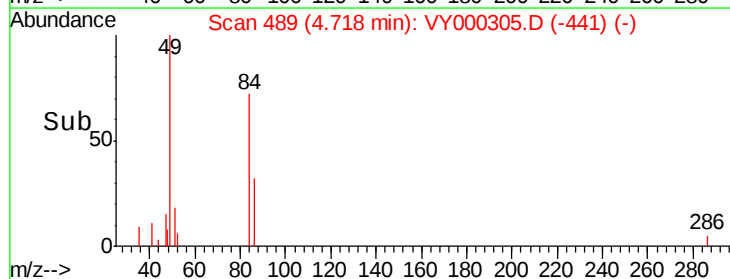
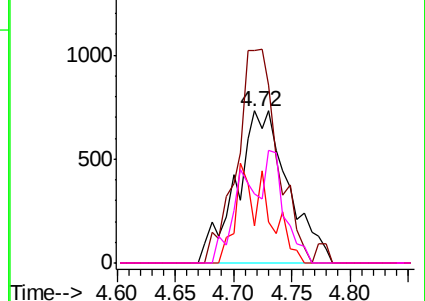


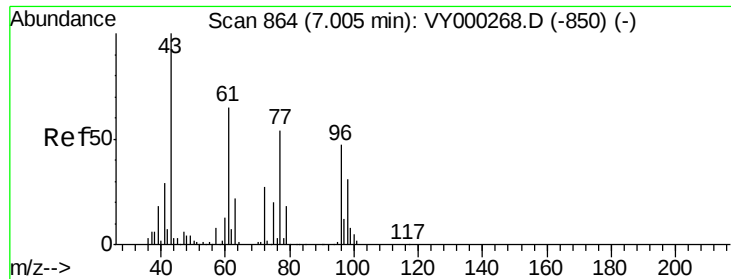
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 2.476 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY000305.D

Acq: 14 Oct 2019 17:31

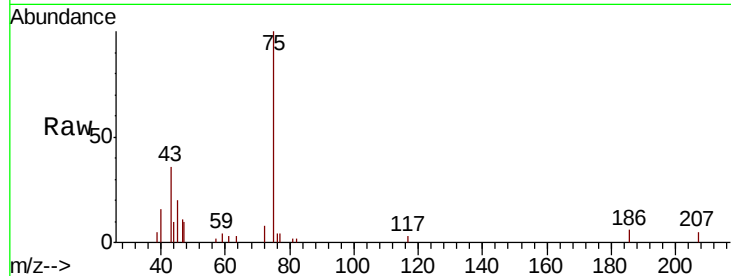
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2626

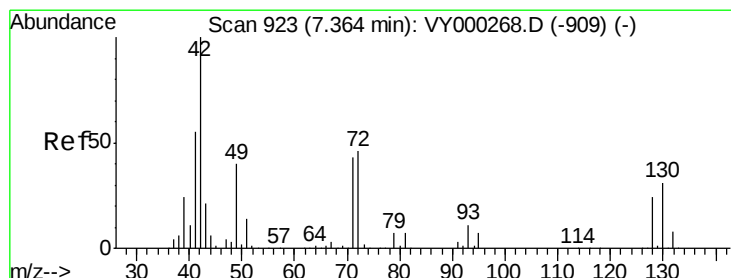
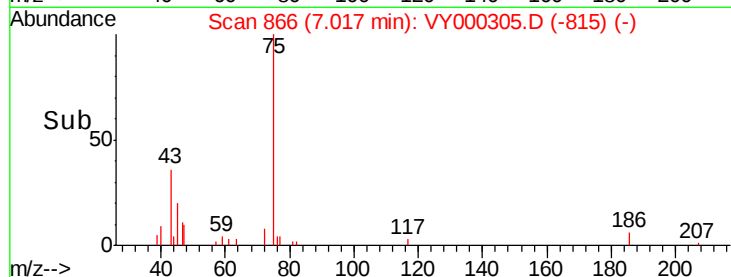
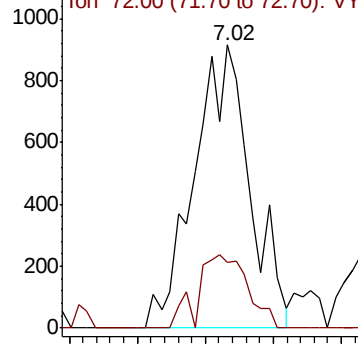
Ion Ratio Lower Upper

43 100

72 23.1 21.4 32.2



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



#29

Tetrahydrofuran

Concen: 6.970 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.01 min

Lab File: VY000305.D

Acq: 14 Oct 2019 17:31

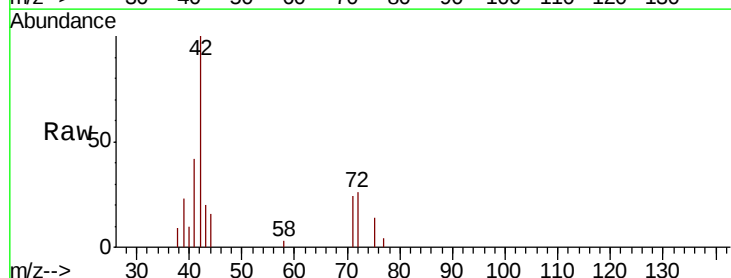
Tgt Ion: 42 Resp: 4480

Ion Ratio Lower Upper

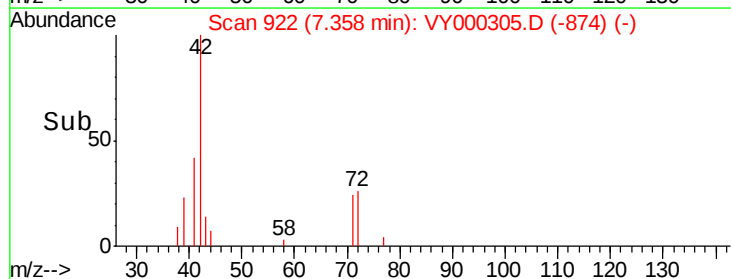
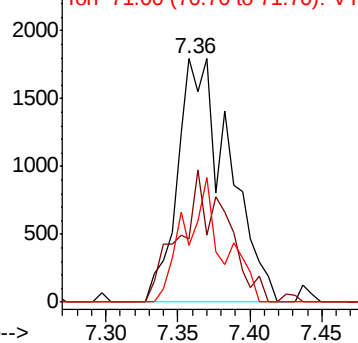
42 100

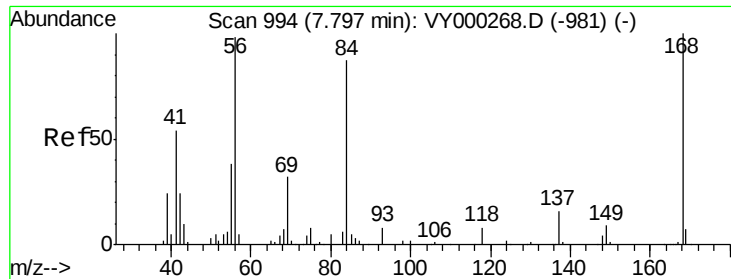
72 48.5 34.5 51.7

71 29.9 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

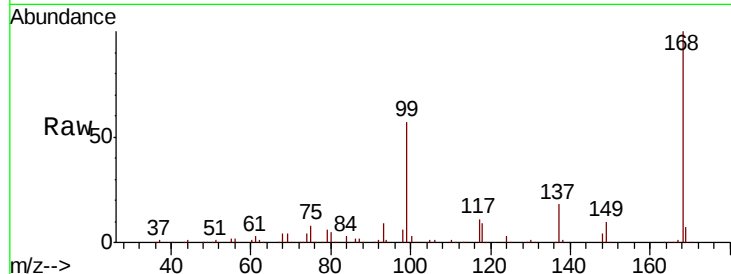




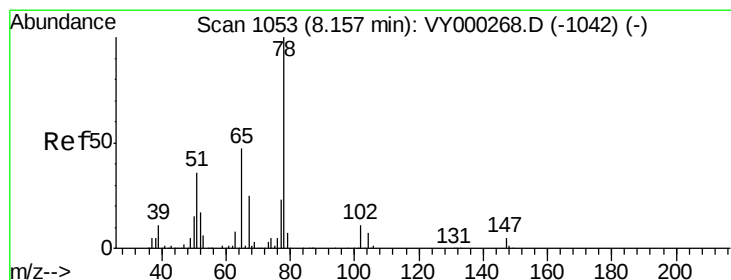
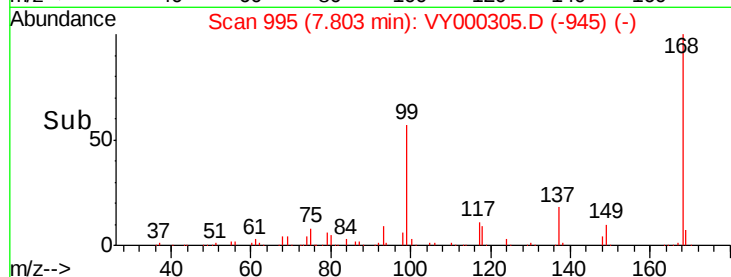
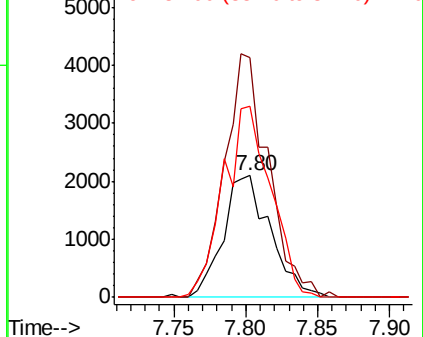
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4797
Ion Ratio Lower Upper
56 100
69 197.6 26.3 39.5#
84 157.7 70.8 106.2#

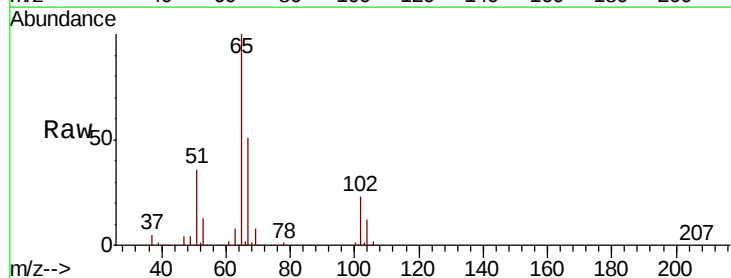


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

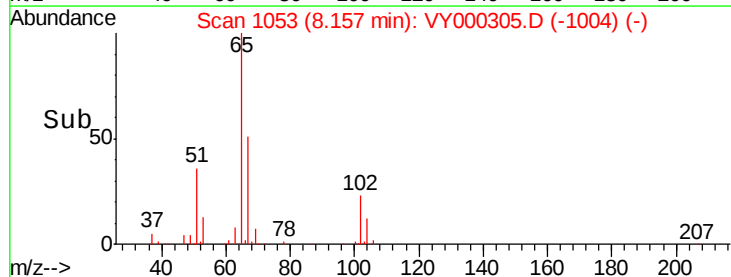
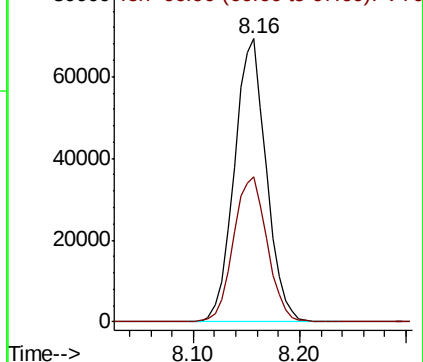


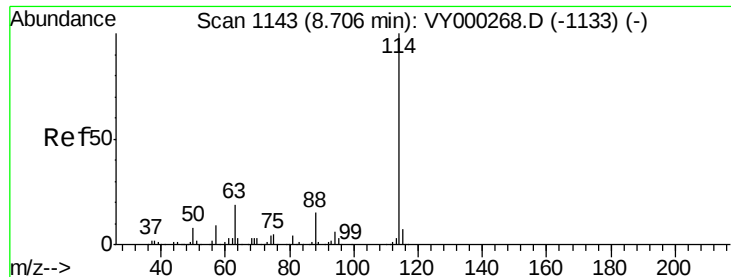
#33
1,2-Dichloroethane-d4
Concen: 62.724 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Tgt Ion: 65 Resp: 145835
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

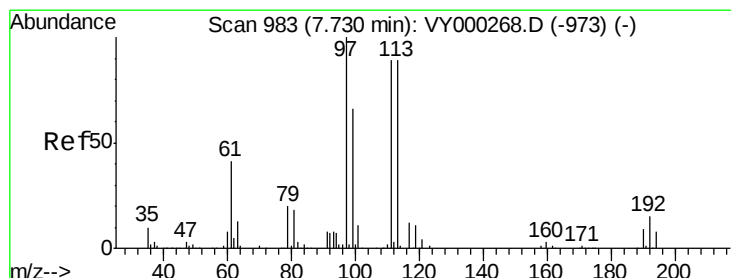
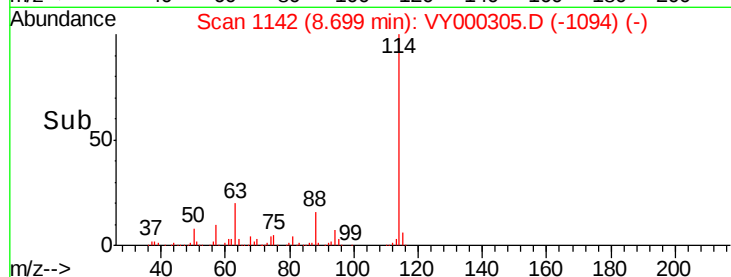
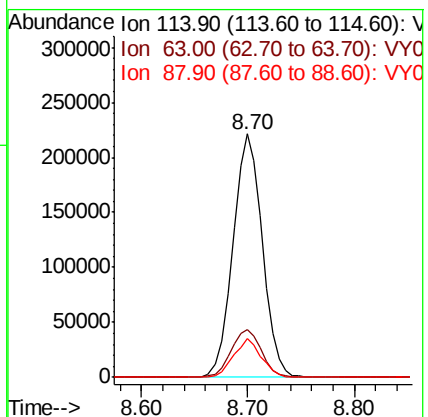
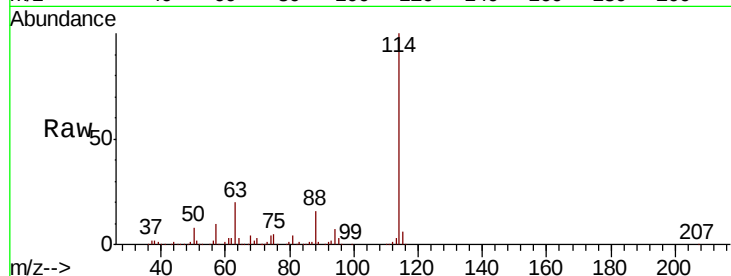




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000305.D
 Acq: 14 Oct 2019 17:31

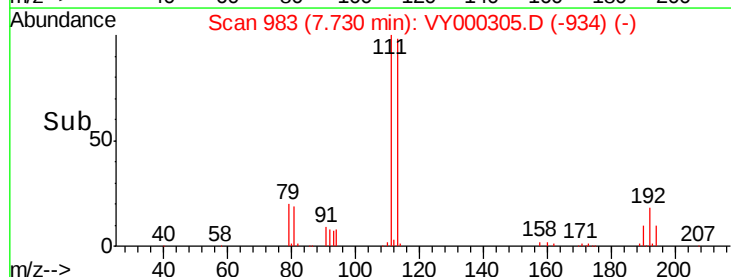
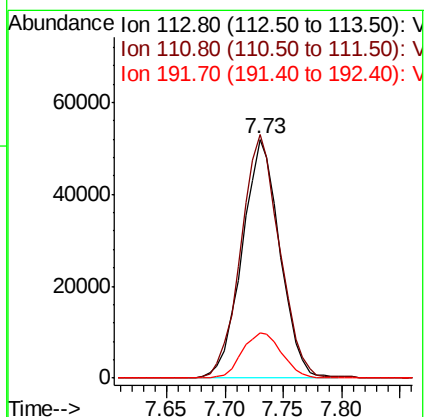
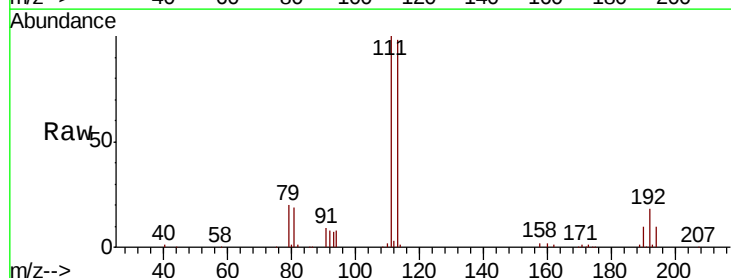
Instrument :
 MSVOA_Y
 ClientSampleId :

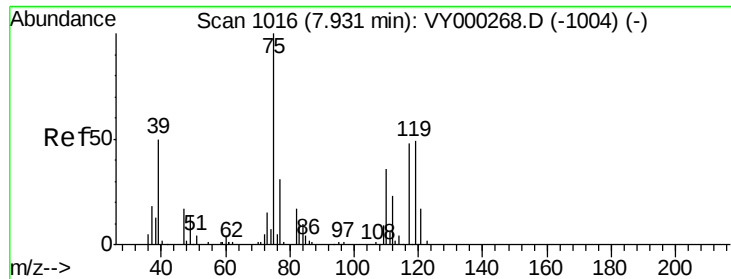
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	37.2
88	16.1	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 45.452 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000305.D
 Acq: 14 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.6	122.4
192	19.9	15.3	22.9

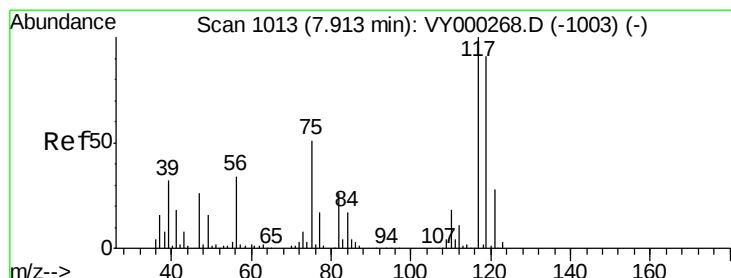
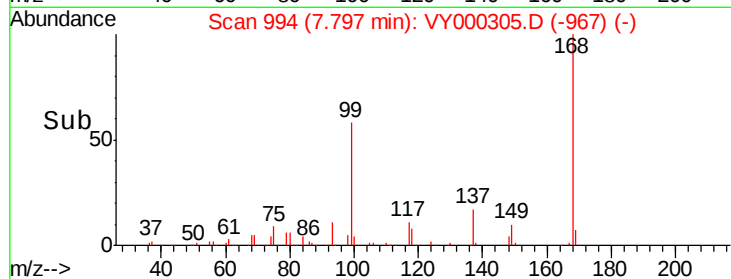
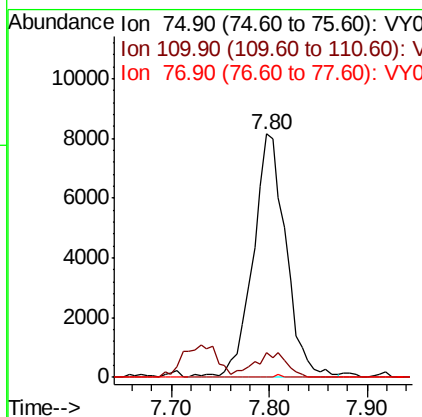
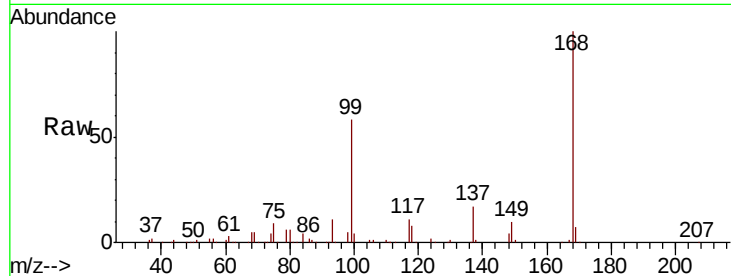




#36
 1,1-Dichloropropene
 Concen: 4.535 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000305.D
 Acq: 14 Oct 2019 17:31

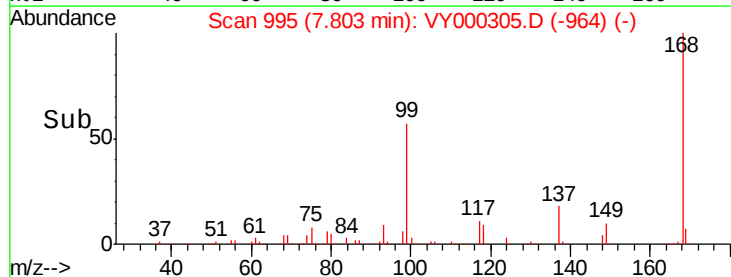
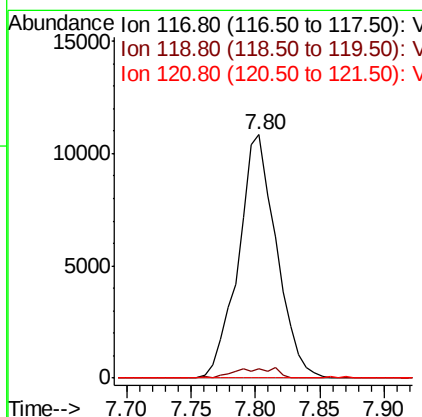
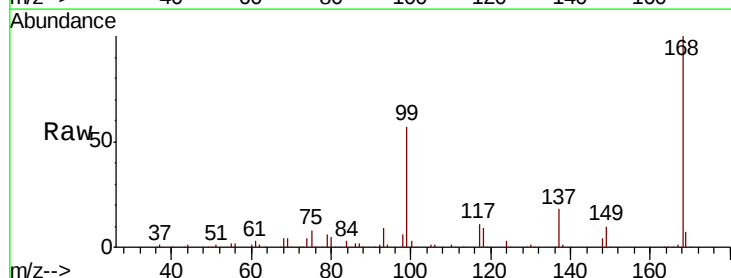
Instrument :
 MSVOA_Y
 ClientSampled :

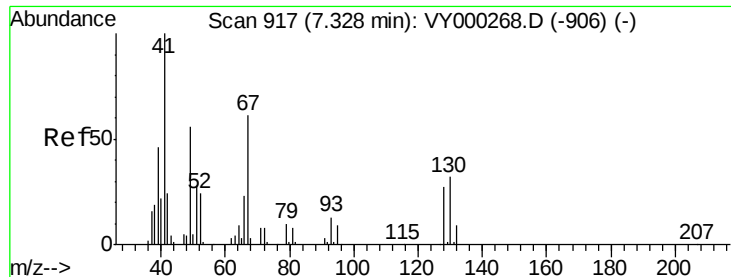
Tot Ion: 75 Resp: 18930
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.4 55.4#
 77 0.2 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.492 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000305.D
 Acq: 14 Oct 2019 17:31

Tgt Ion: 117 Resp: 22197
 Ion Ratio Lower Upper
 117 100
 119 3.7 72.8 109.2#
 121 0.0 22.2 33.2#

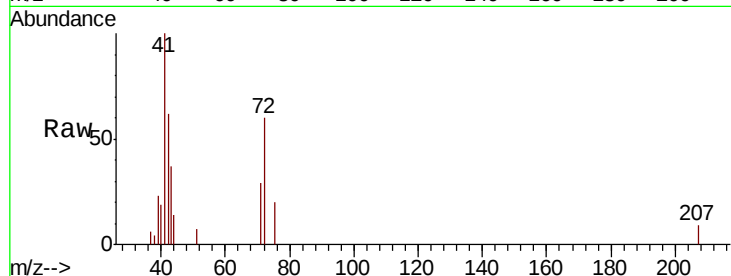




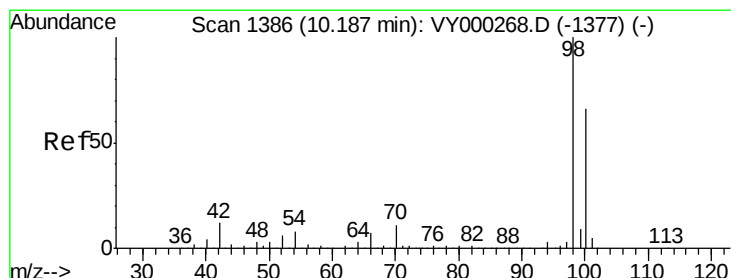
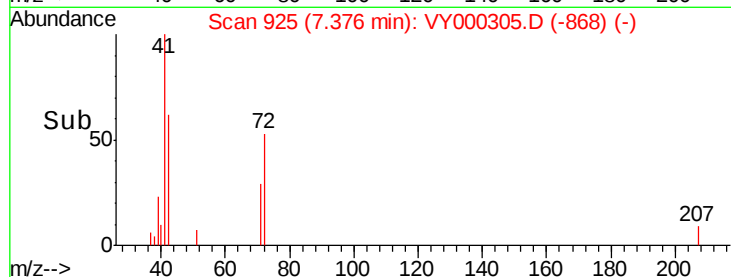
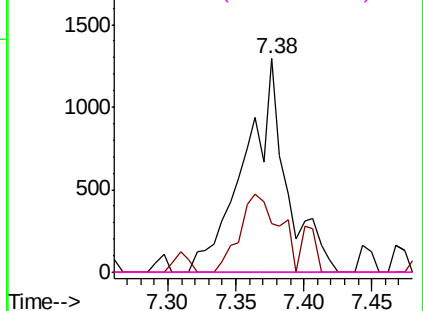
#41
Methacrylonitrile
Concen: 2.374 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.05 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 2793
Ion Ratio Lower Upper
41 100
39 34.2 110.2 165.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

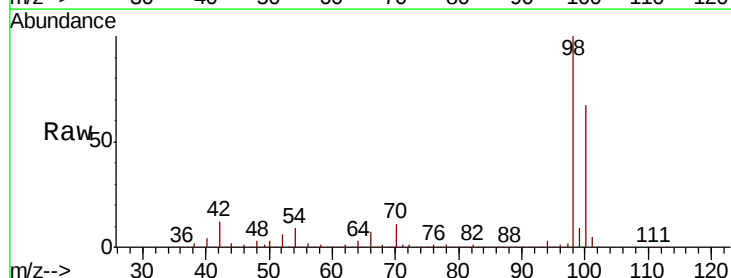


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

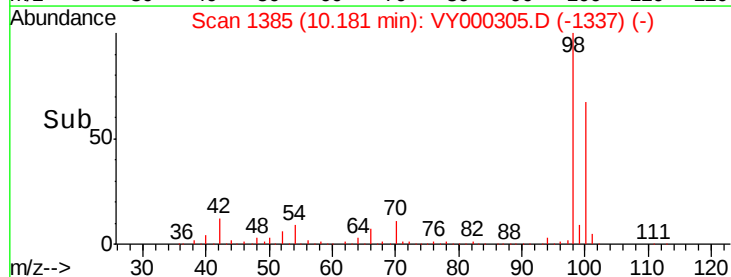
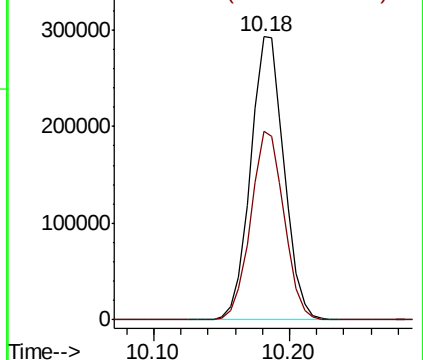


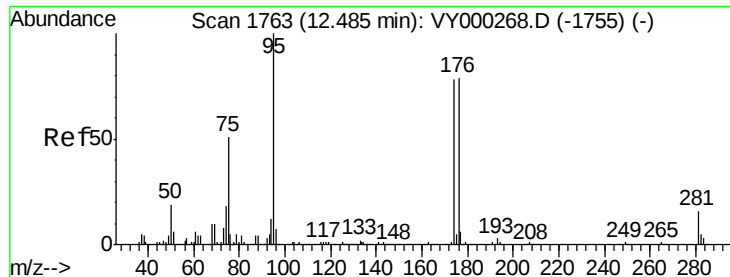
#50
Toluene-d8
Concen: 51.092 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Tgt Ion: 98 Resp: 505490
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

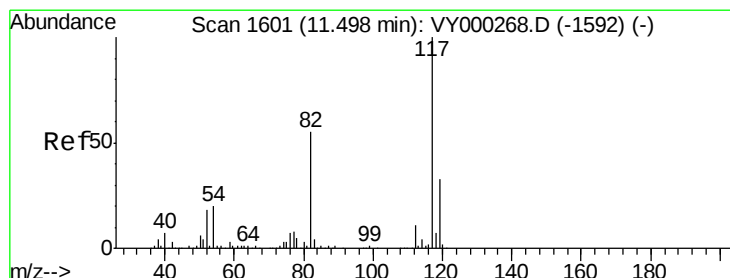
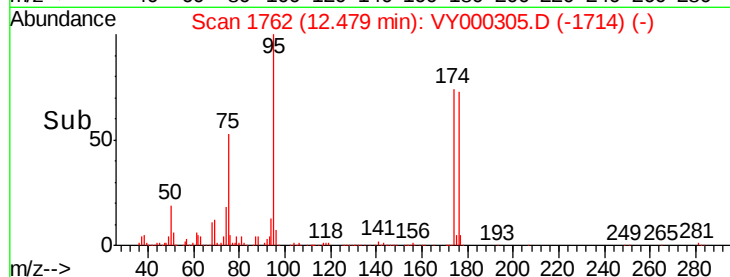
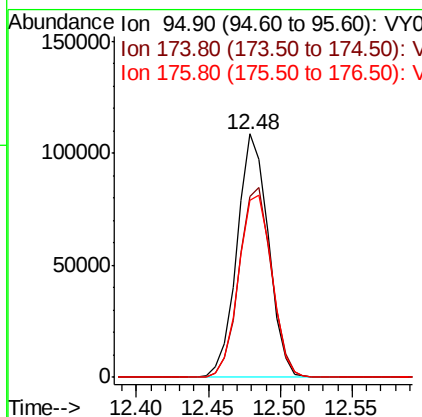
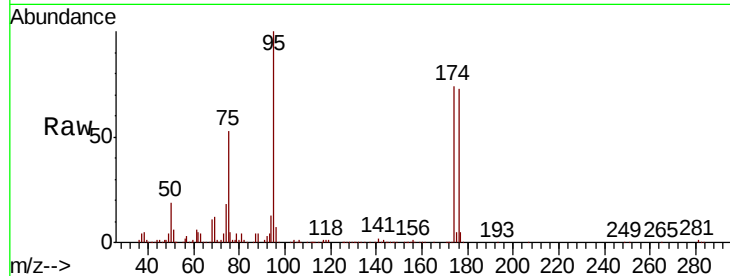




#62
4-Bromofluorobenzene
Concen: 43.623 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

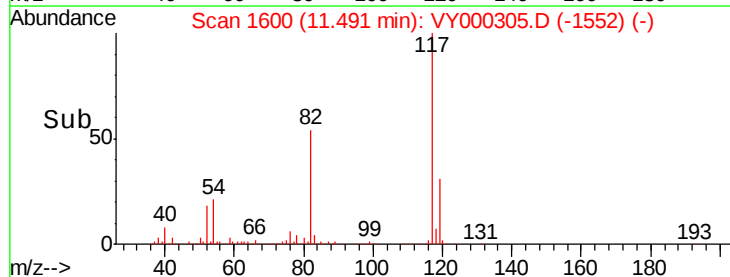
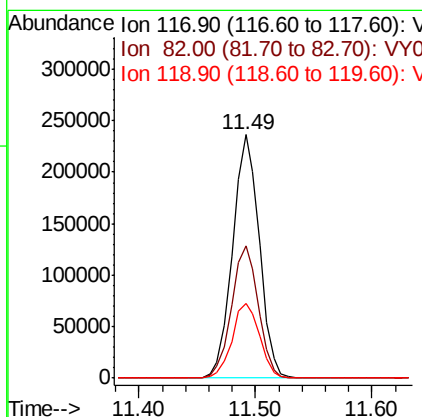
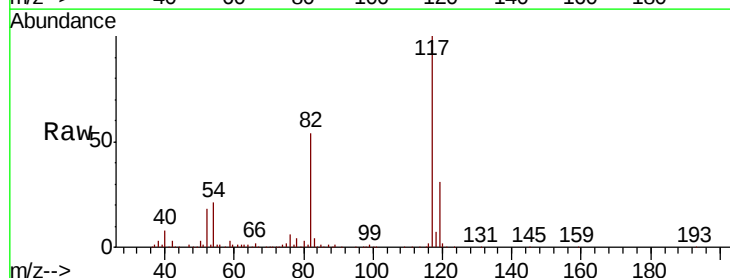
Instrument :
MSVOA_Y
ClientSampled :

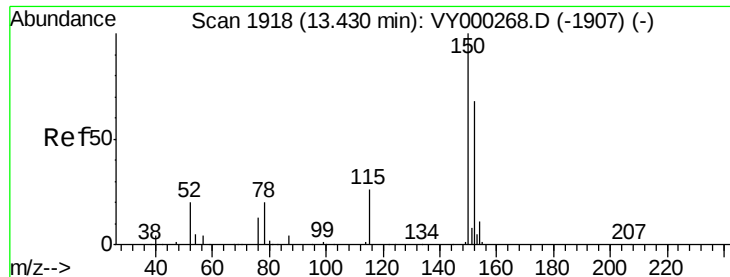
Tot Ion	95	Resp	163966
Ion Ratio	Lower	Upper	
95	100		
174	80.7	0.0	159.6
176	79.6	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Tgt Ion	117	Resp	375386
Ion Ratio	Lower	Upper	
117	100		
82	54.4	43.7	65.5
119	30.8	26.6	39.8



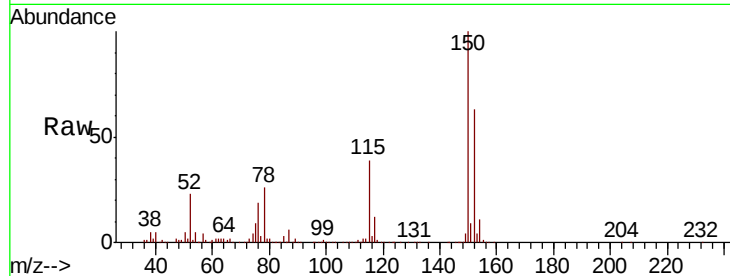


#72

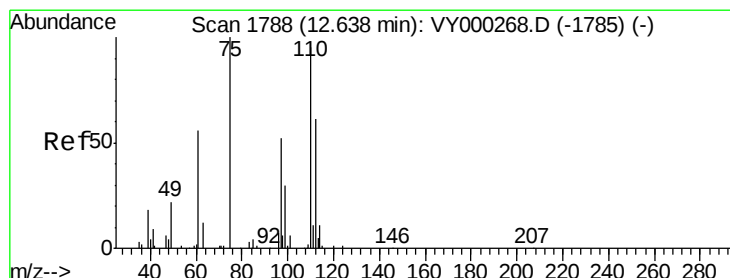
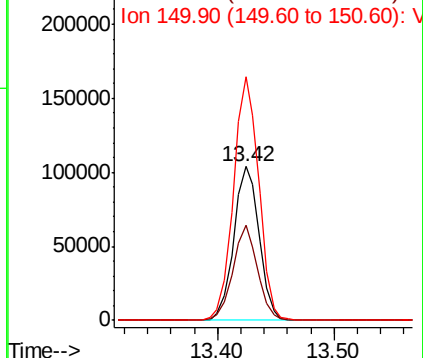
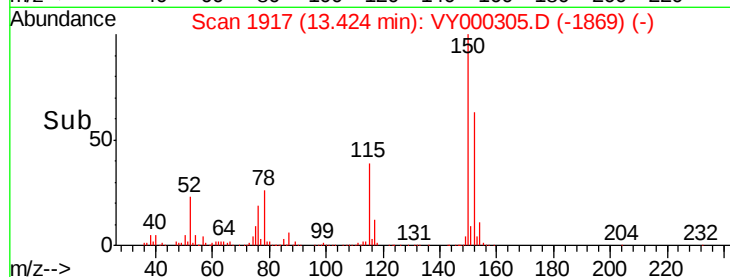
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.3	88.0
150	157.1	0.0	348.4



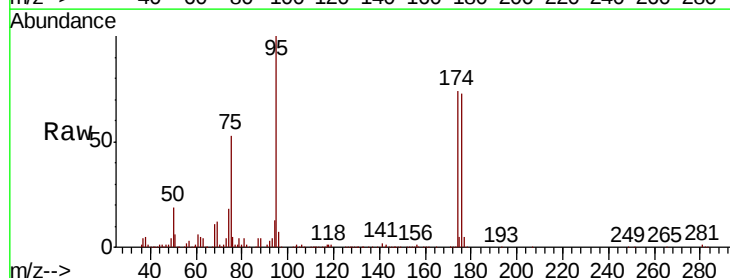
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



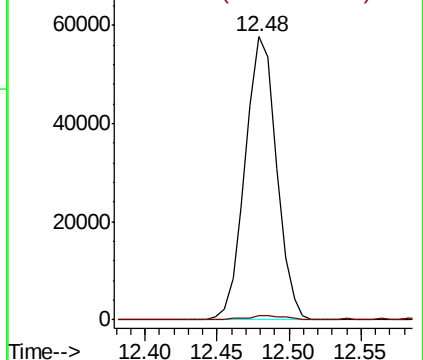
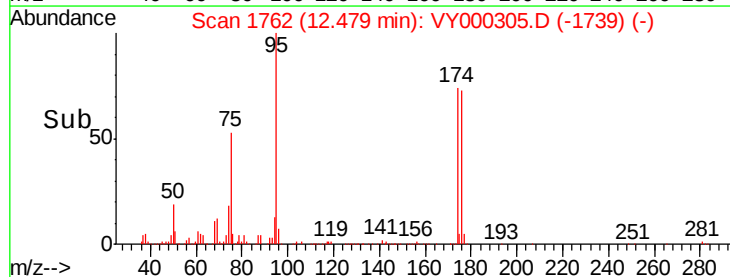
#76

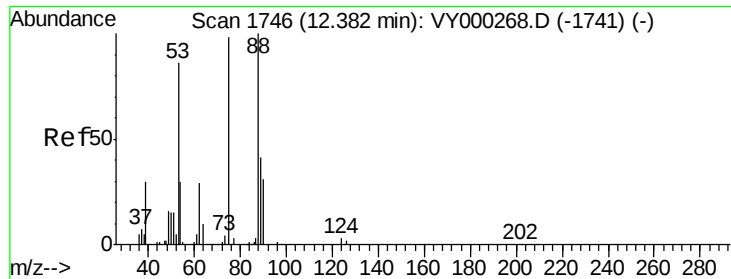
1,2,3-Trichloropropane
Concen: 44.944 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.0	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: 98.335 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000305.D

Acq: 14 Oct 2019 17:31

Instrument :

MSVOA_Y

ClientSampleId :

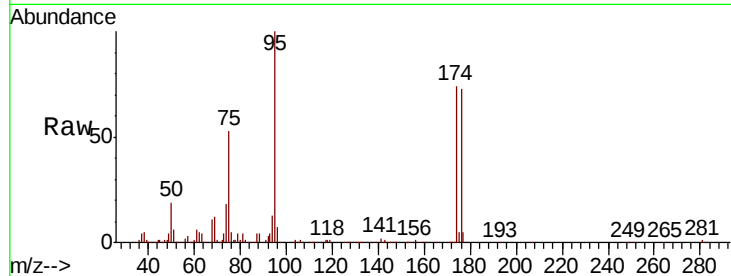
Tot Ion: 75 Resp: 87061

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

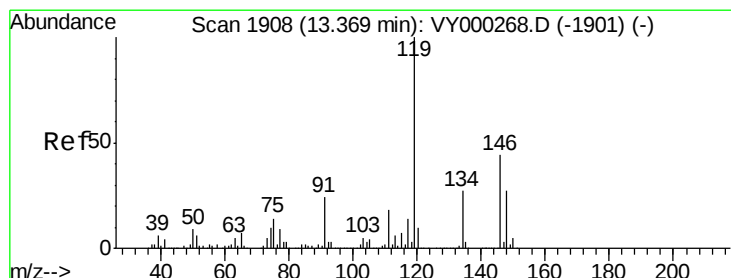
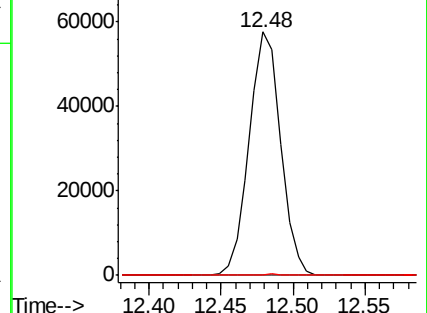
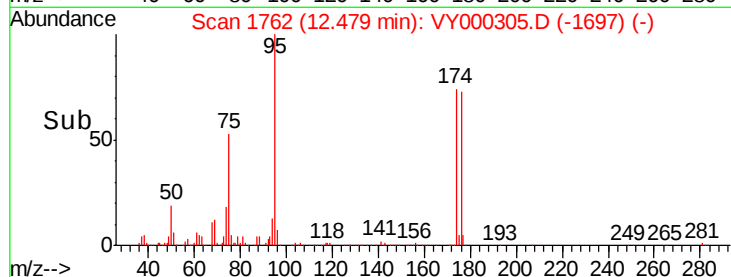
89 0.2 35.1 52.7#



Abundance Ion 74.90 (74.60 to 75.60): VY000305.D (-1697) (-)

Ion 53.00 (52.70 to 53.70): VY000305.D (-1697) (-)

Ion 88.90 (88.60 to 89.60): VY000305.D (-1697) (-)



#86

p-Isopropyltoluene

Concen: 1.017 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000305.D

Acq: 14 Oct 2019 17:31

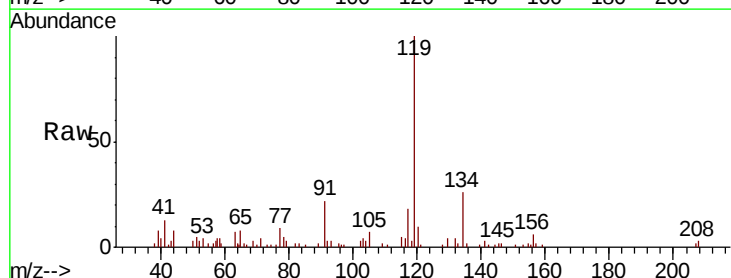
Tgt Ion: 119 Resp: 11185

Ion Ratio Lower Upper

119 100

134 23.5 13.6 40.8

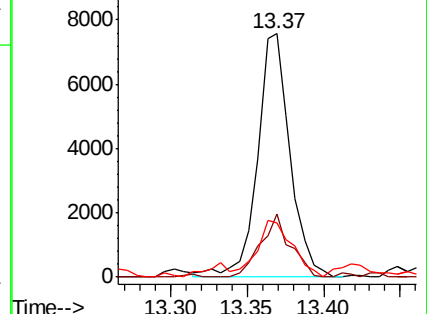
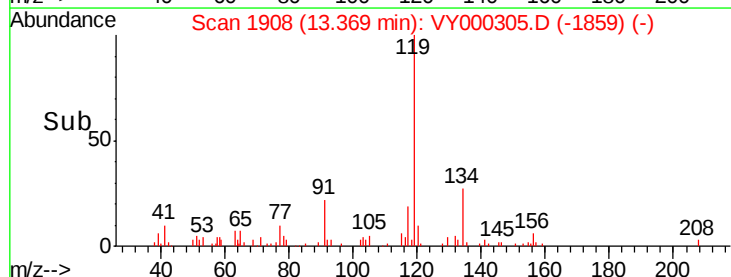
91 25.5 12.0 36.1

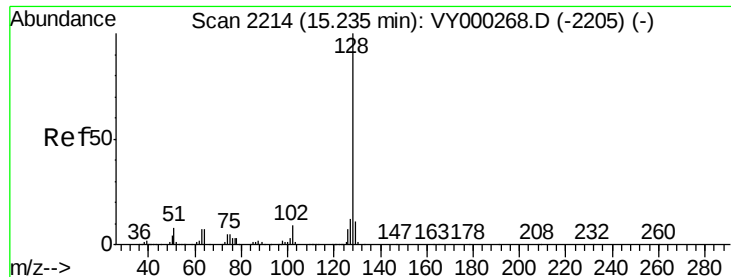


Abundance Ion 119.00 (118.70 to 119.70): VY000305.D (-1859) (-)

Ion 134.00 (133.70 to 134.70): VY000305.D (-1859) (-)

Ion 91.00 (90.70 to 91.70): VY000305.D (-1859) (-)





#95
Naphthalene
Concen: 1.654 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000305.D
Acq: 14 Oct 2019 17:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.7	9.6	14.4#
129	11.3	8.7	13.1

