

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000389.D
 Acq On : 23 Oct 2019 18:18
 Operator : SY/MD
 Sample : K5500-06
 Misc : 6.20G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:47:57 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	215032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	365743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	291829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	102504	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	122170	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
35) Dibromofluoromethane	7.73	113	104645	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
50) Toluene-d8	10.18	98	408518	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.48	95	112908	35.02	ug/l	0.00
Spiked Amount			Recovery	=	70.04%	

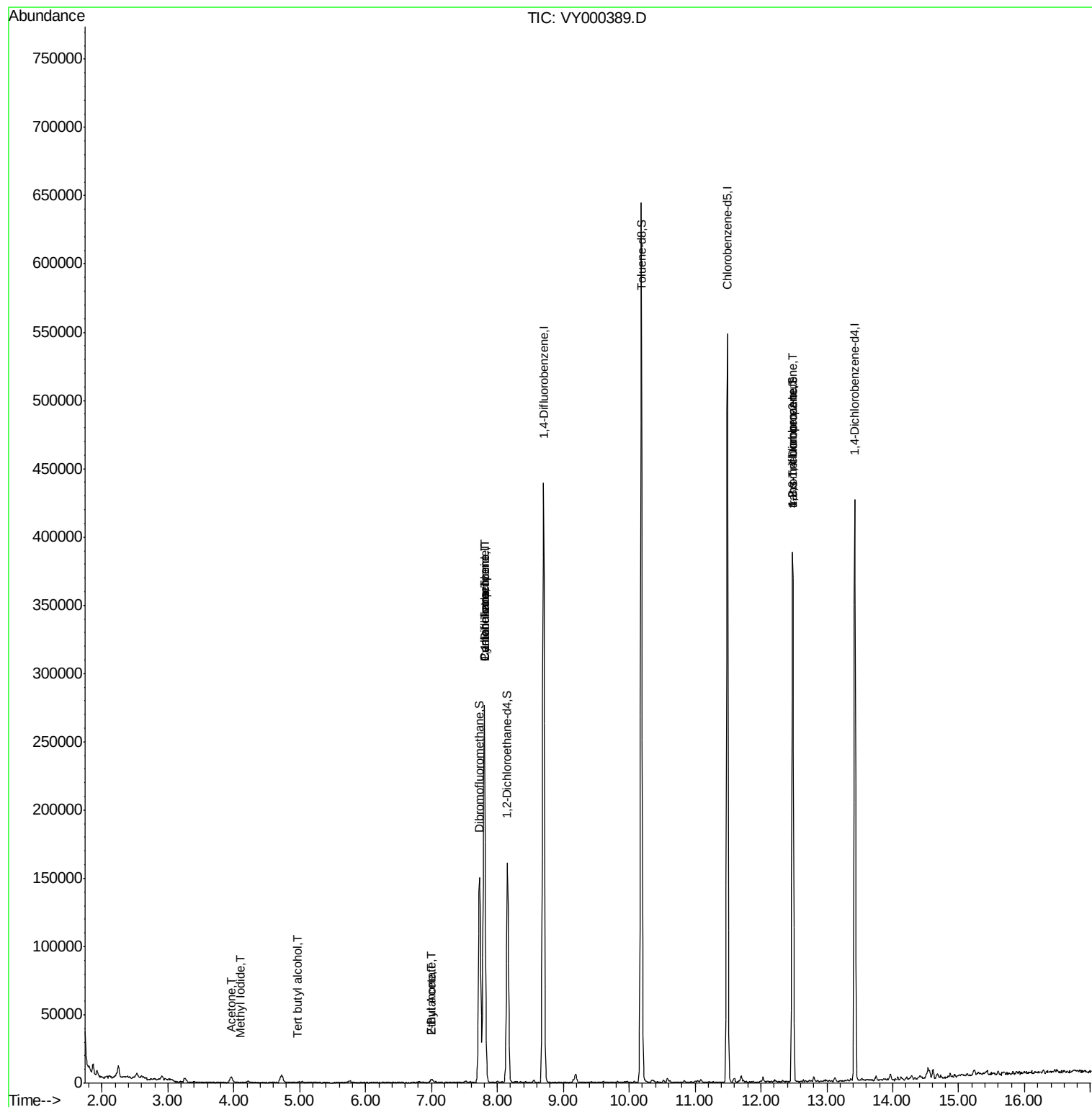
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	87	Below Cal	#	41
10) Methyl Iodide	4.09	142	115	1.222	ug/l #	41
11) Tert butyl alcohol	4.96	59	400	1.685	ug/l #	73
16) Acetone	3.96	43	7525	10.244	ug/l #	86
20) Methylene Chloride	4.72	84	4326	Below Cal	#	88
25) 2-Butanone	7.01	43	3165	3.059	ug/l	94
31) Cyclohexane	7.80	56	5371	1.238	ug/l #	3
36) 1,1-Dichloropropene	7.80	75	15662	4.374	ug/l #	49
37) Ethyl Acetate	7.01	43	3165	1.493	ug/l #	71
38) Carbon Tetrachloride	7.80	117	20467	5.903	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	61177	48.536	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	61177	106.195	ug/l #	14

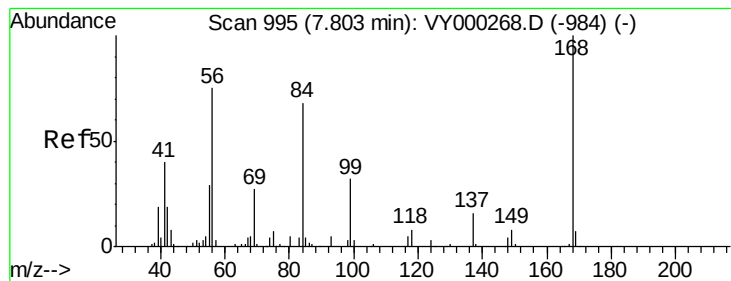
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000389.D

Acq: 23 Oct 2019 18:18

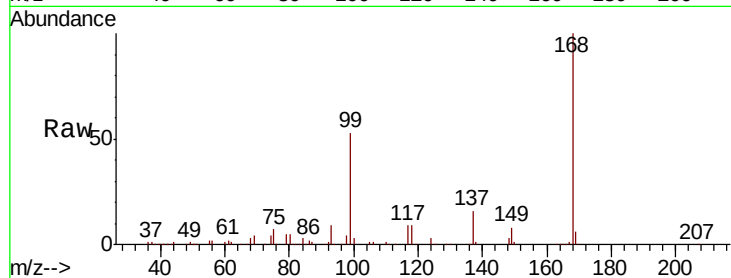
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 215032

Ion Ratio Lower Upper

168 100

99 53.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000389.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000389.D (-946) (-)

7.80

100000

80000

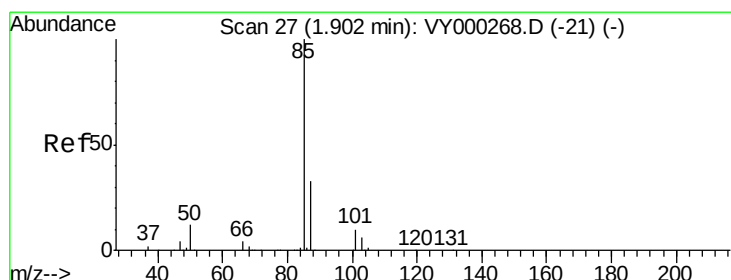
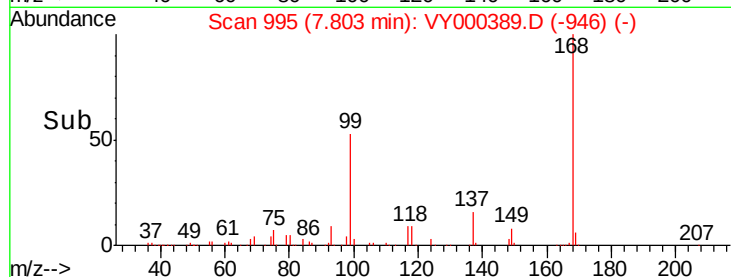
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.92 min Scan# 30

Delta R.T. 0.02 min

Lab File: VY000389.D

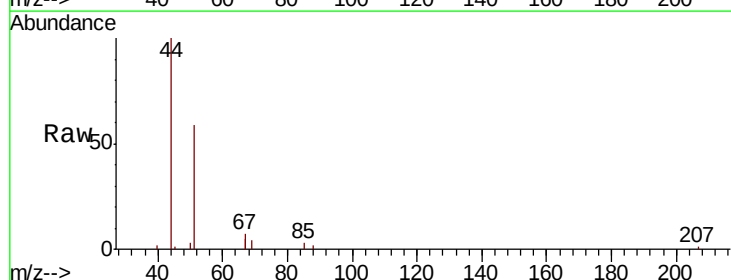
Acq: 23 Oct 2019 18:18

Tgt Ion: 85 Resp: 87

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000389.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000389.D (-1) (-)

1.92

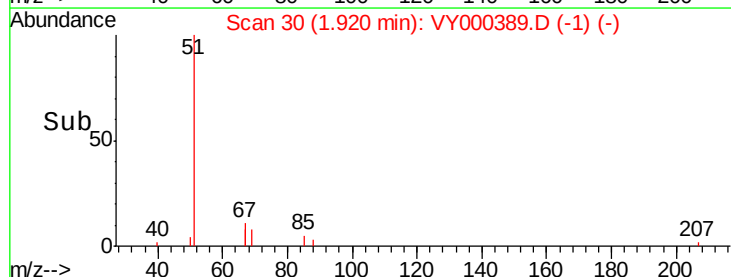
150

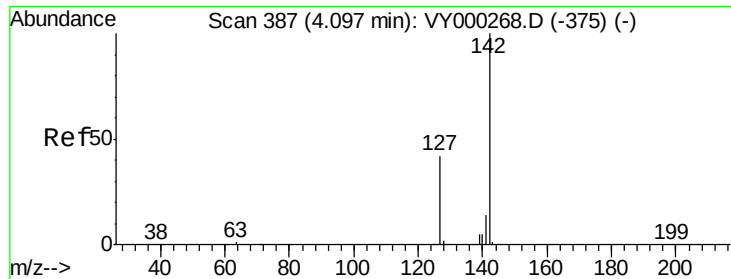
100

50

0

Time-->

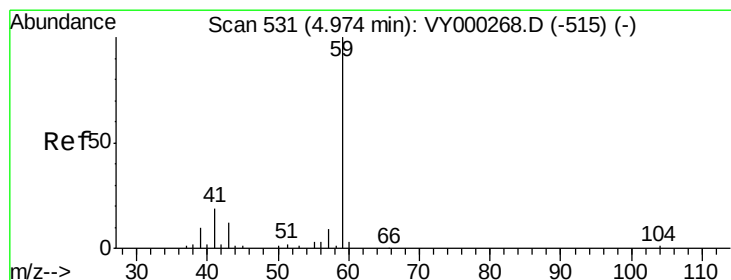
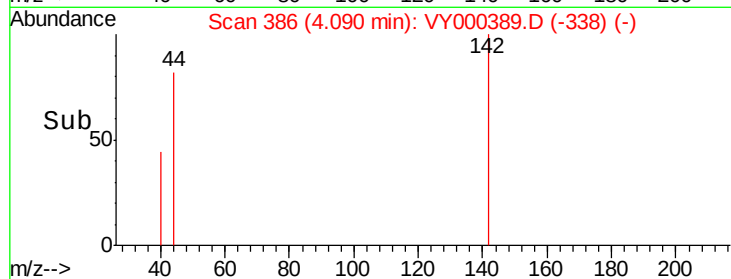
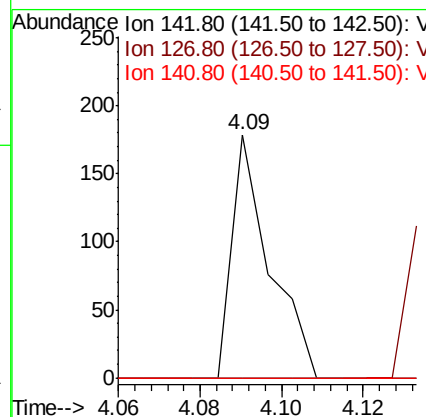
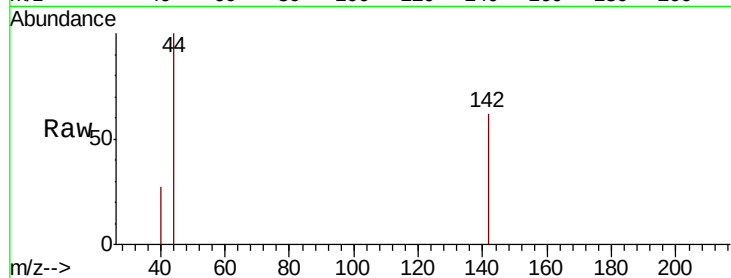




#10
Methvl Iodide
Concen: 1.222 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000389.D
Acq: 23 Oct 2019 18:18

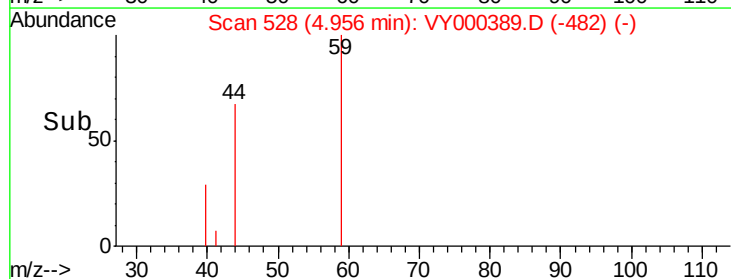
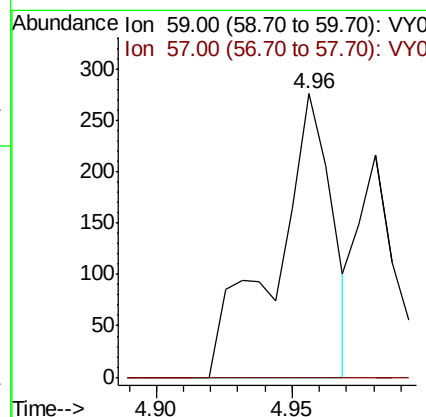
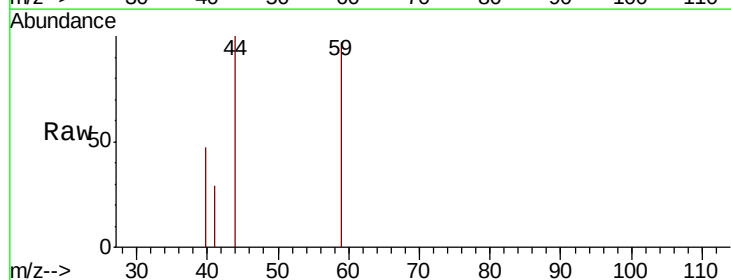
Instrument :
MSVOA_Y
ClientSampled :

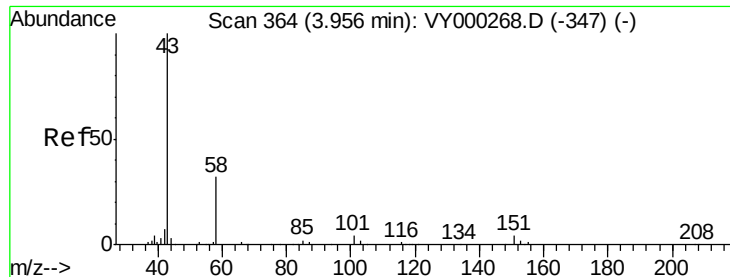
Tot Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 1.685 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.02 min
Lab File: VY000389.D
Acq: 23 Oct 2019 18:18

Tgt Ion: 59 Resp: 400
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 10.244 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

Instrument :

MSVOA_Y

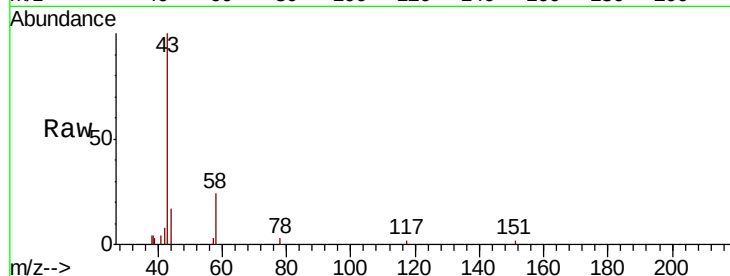
ClientSampleId :

Tot Ion: 43 Resp: 7525

Ion Ratio Lower Upper

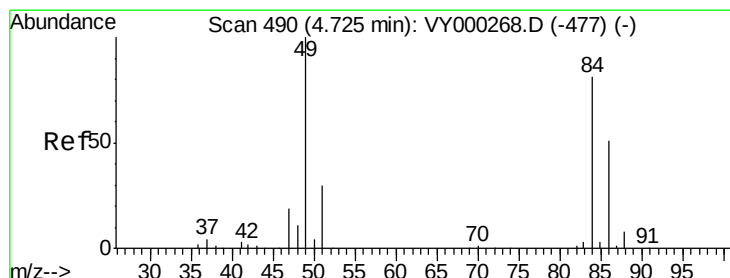
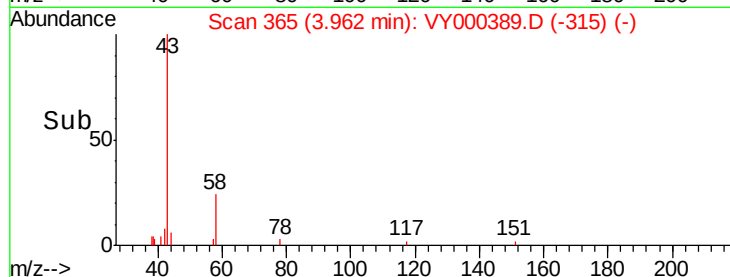
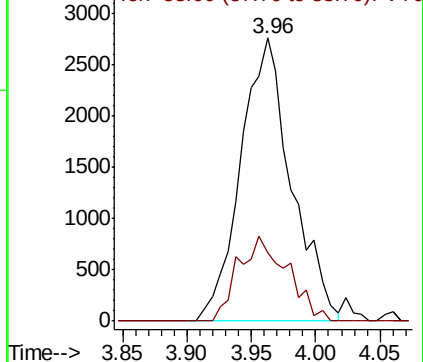
43 100

58 24.2 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

Tgt Ion: 84 Resp: 4326

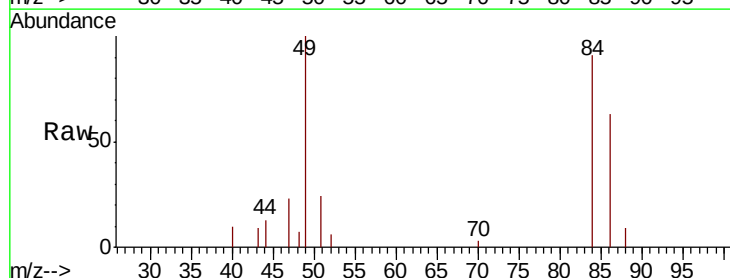
Ion Ratio Lower Upper

84 100

49 110.1 99.0 148.4

51 26.2 29.3 43.9#

86 69.4 50.2 75.4

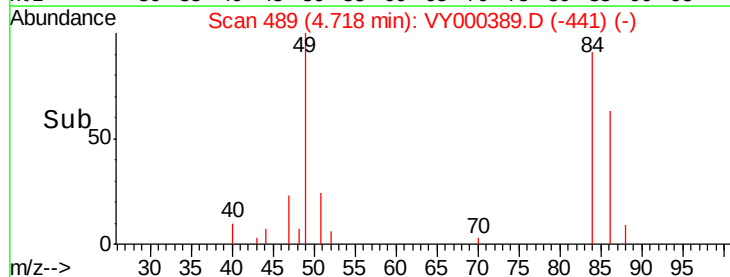
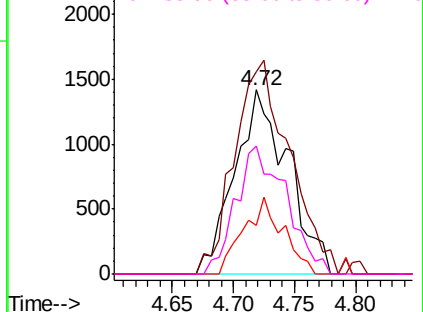


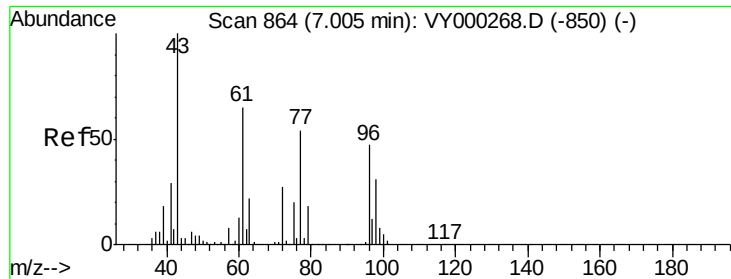
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 3.059 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

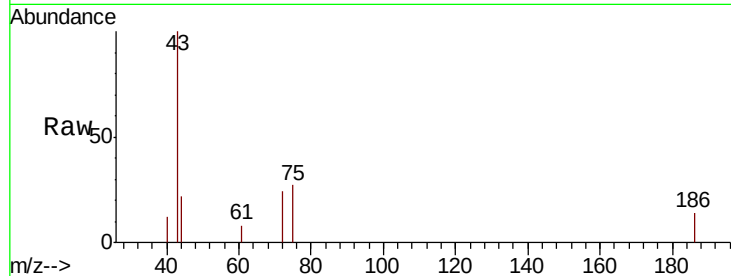
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3165

Ion Ratio Lower Upper

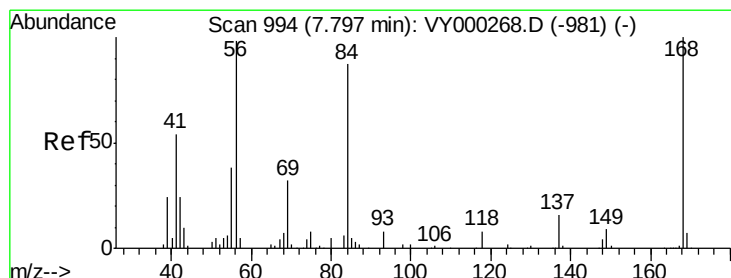
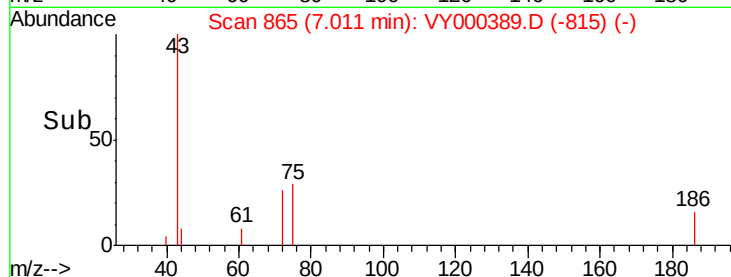
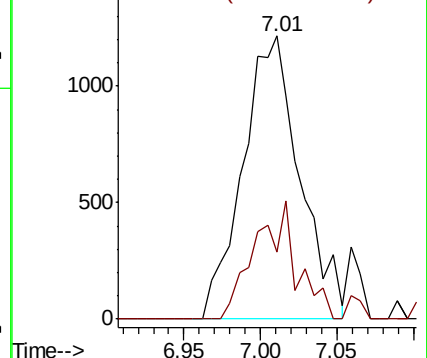
43 100

72 23.6 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: 1.238 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

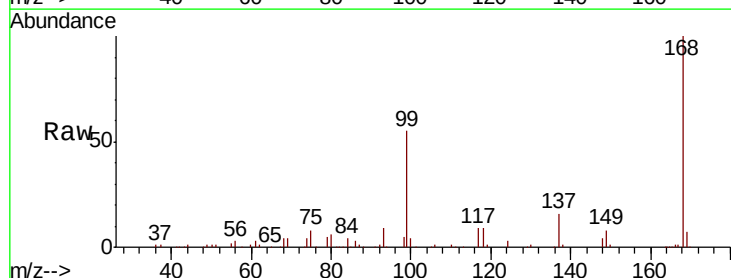
Tgt Ion: 56 Resp: 5371

Ion Ratio Lower Upper

56 100

69 138.5 26.3 39.5#

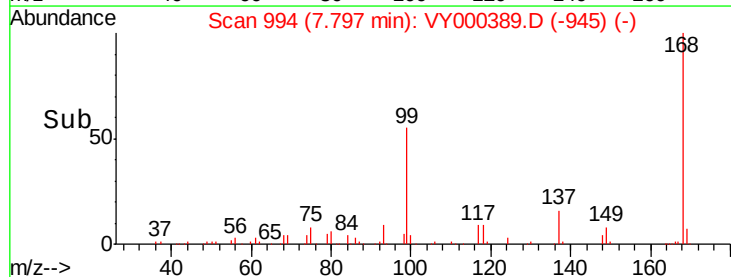
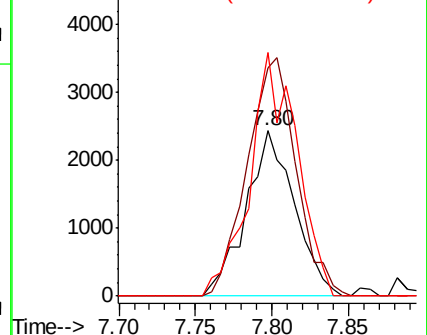
84 147.4 70.8 106.2#

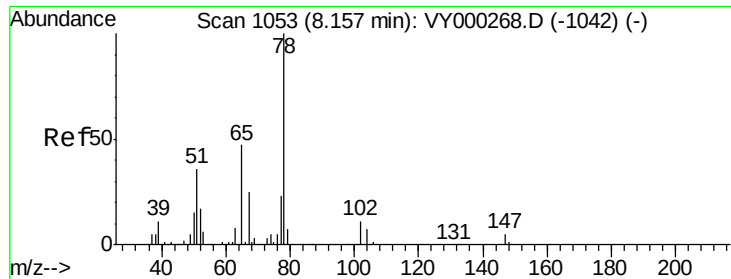


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

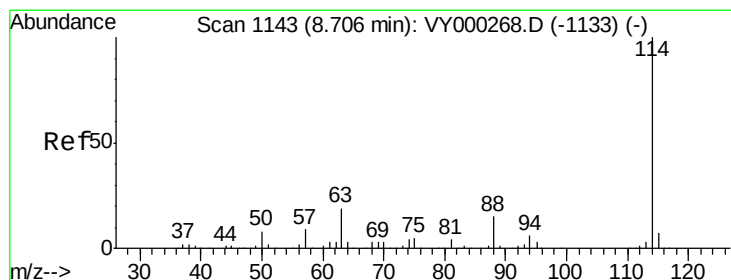
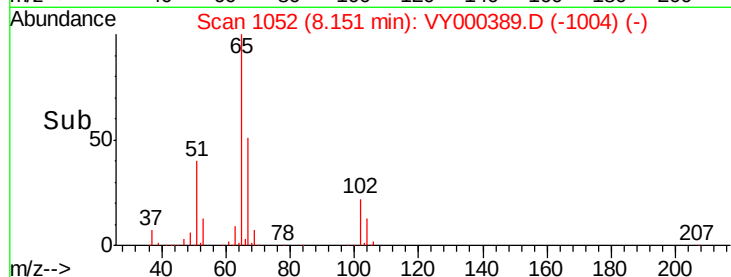
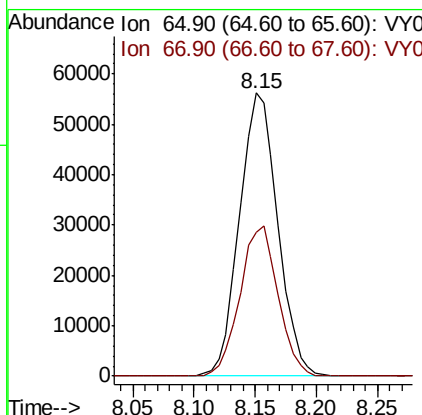
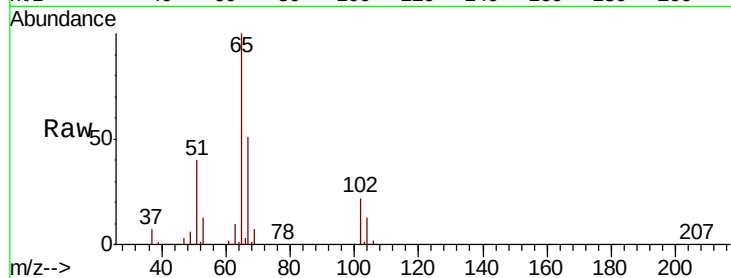




#33
 1,2-Dichloroethane-d4
 Concen: 53.861 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000389.D
 Acq: 23 Oct 2019 18:18

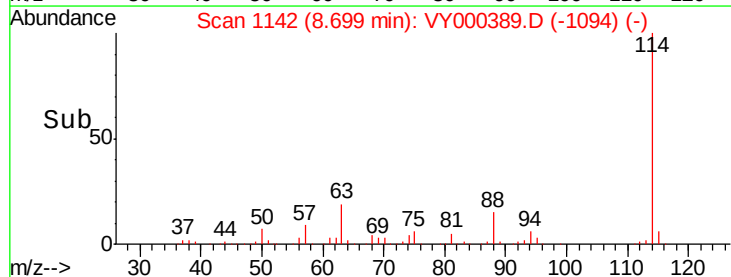
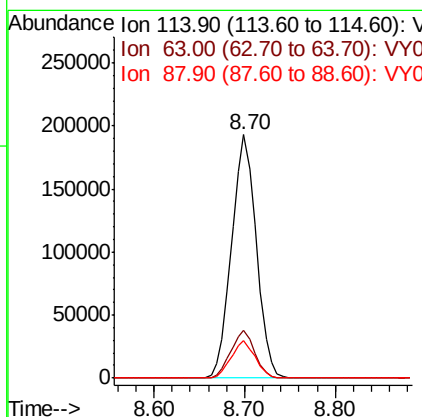
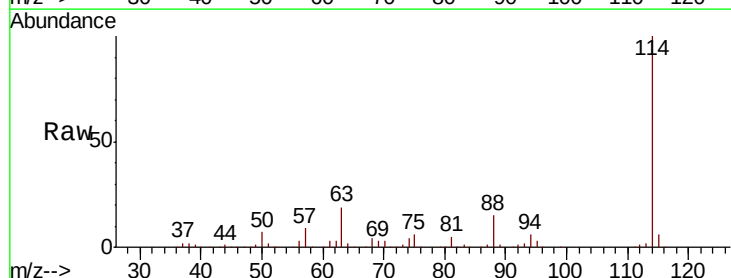
Instrument :
 MSVOA_Y
 ClientSampleId :

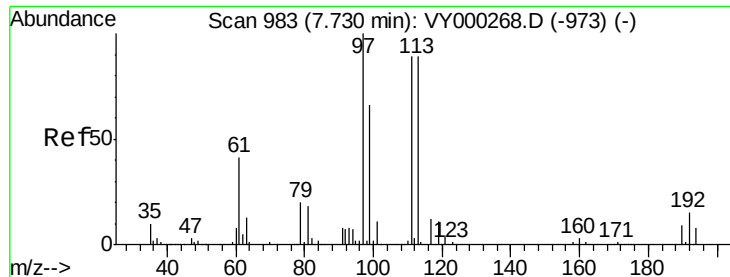
Tot Ion: 65 Resp: 122170
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000389.D
 Acq: 23 Oct 2019 18:18

Tgt Ion: 114 Resp: 365743
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.2
 88 15.5 0.0 30.2

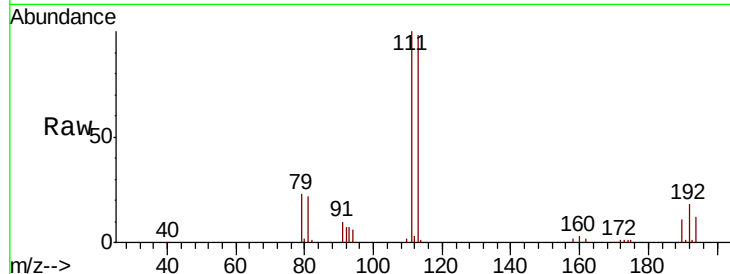




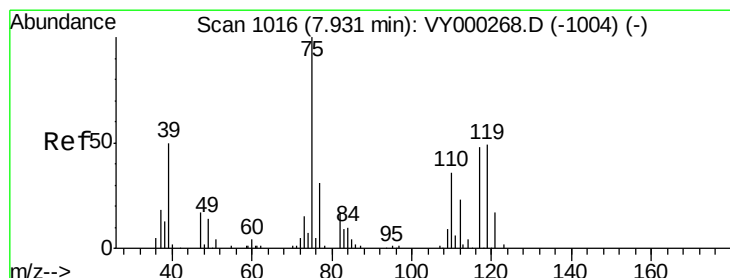
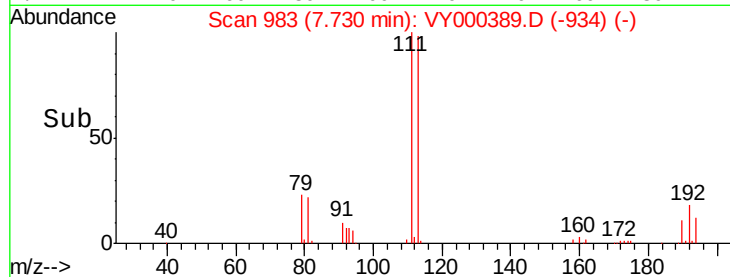
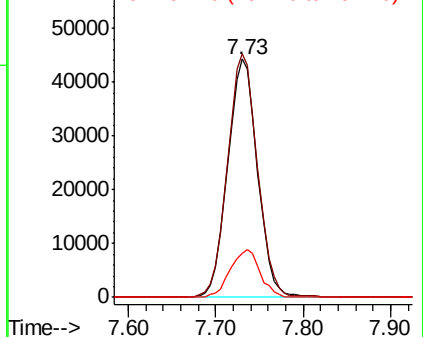
#35
 Dibromofluoromethane
 Concen: 47.432 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000389.D
 Acq: 23 Oct 2019 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 104645
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.6 122.4
 192 19.9 15.3 22.9

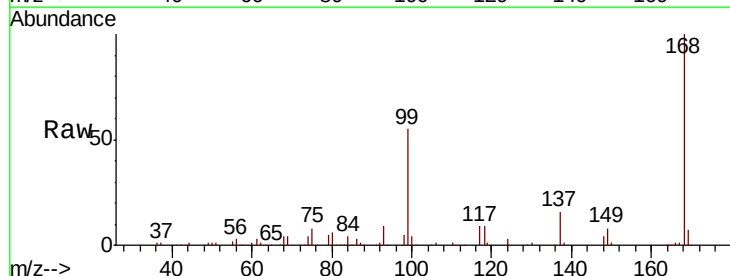


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

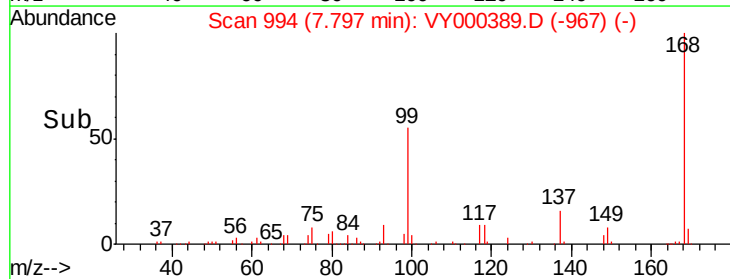
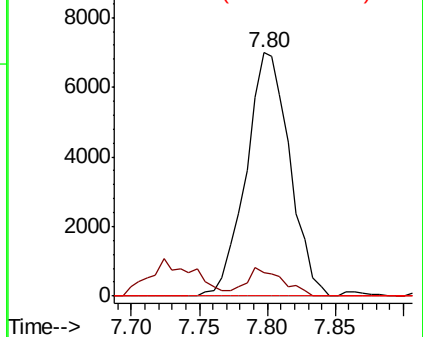


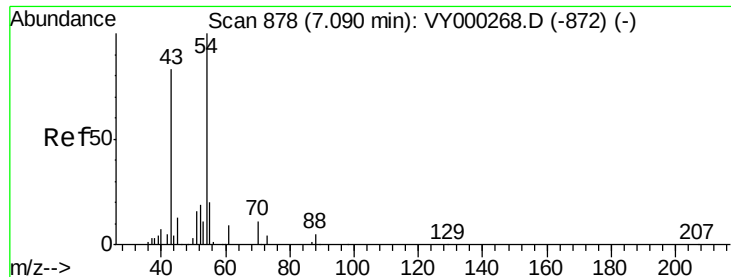
#36
 1,1-Dichloropropene
 Concen: 4.374 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000389.D
 Acq: 23 Oct 2019 18:18

Tgt Ion: 75 Resp: 15662
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.4 55.4#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

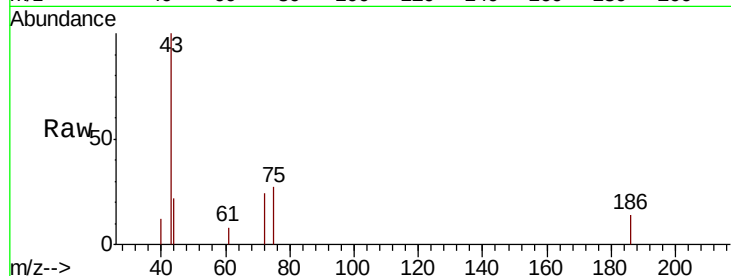




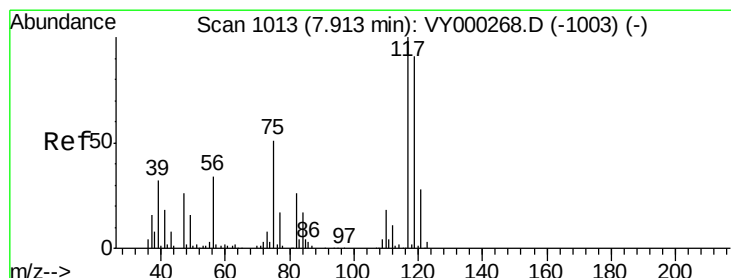
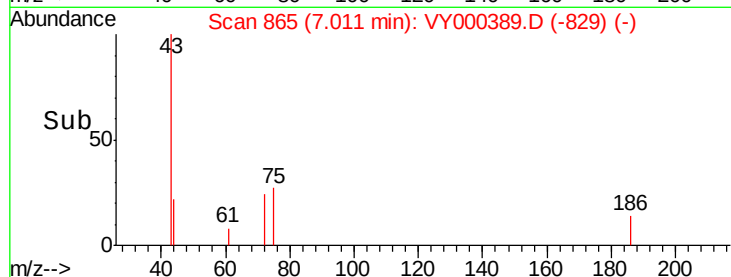
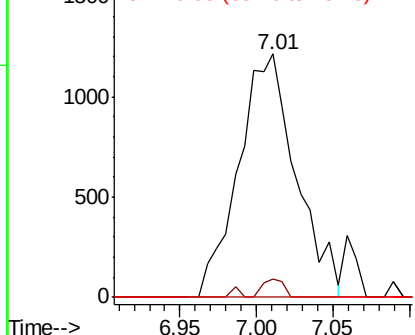
#37
Ethyl Acetate
Concen: 1.493 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.08 min
Lab File: VY000389.D
Acq: 23 Oct 2019 18:18

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
61 2.8 12.1 18.1#
70 0.0 8.7 13.1#

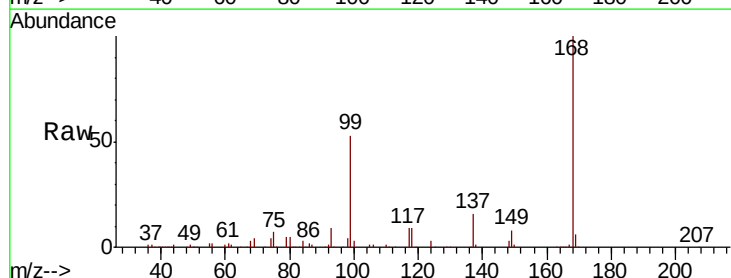


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

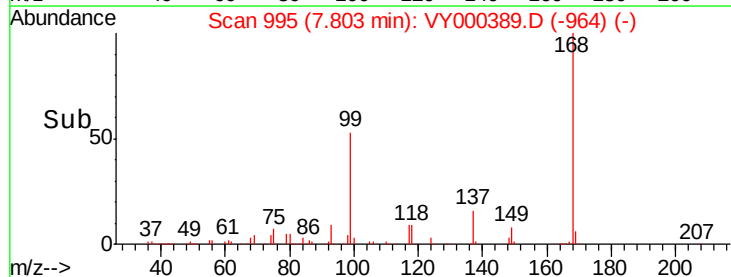
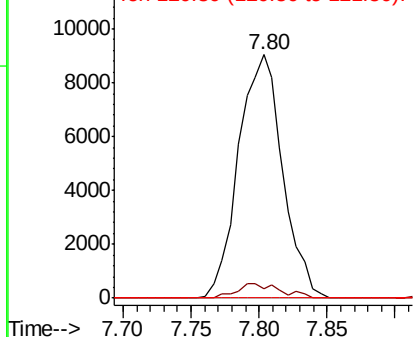


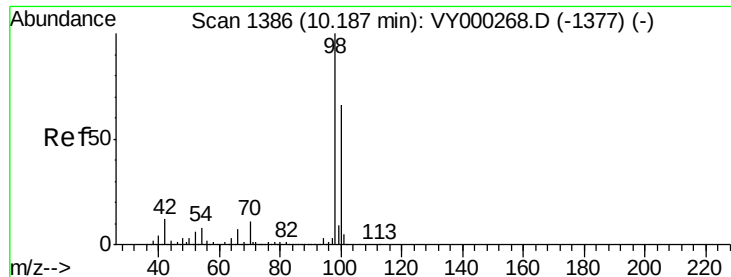
#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000389.D
Acq: 23 Oct 2019 18:18

Tgt Ion: 117 Resp: 20467
Ion Ratio Lower Upper
117 100
119 3.9 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: 48.136 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

Instrument :

MSVOA_Y

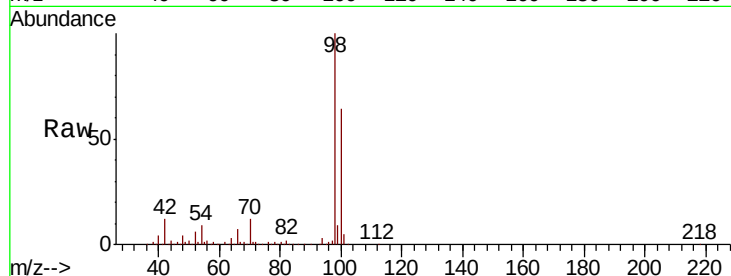
ClientSampled :

Tot Ion: 98 Resp: 408518

Ion Ratio Lower Upper

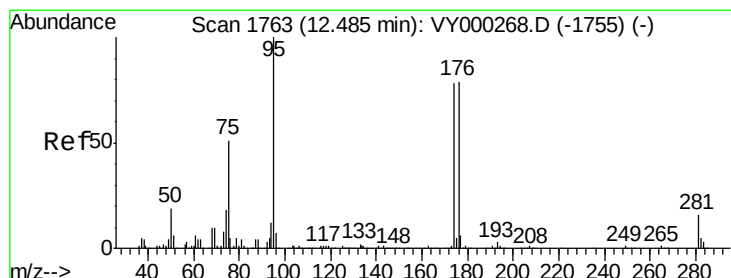
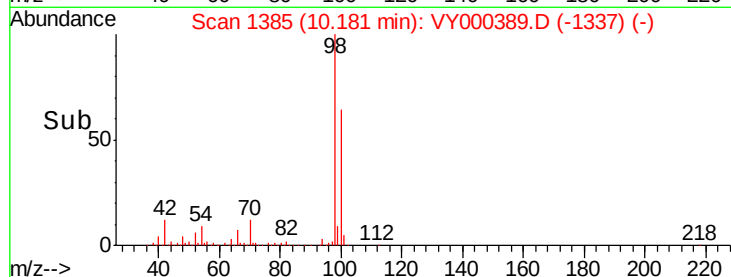
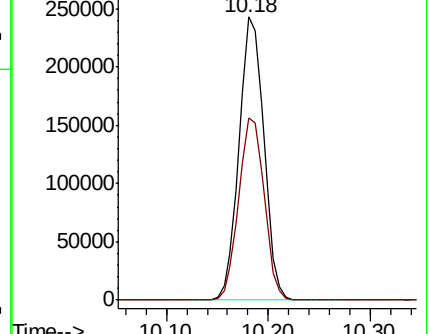
98 100

100 66.1 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: 35.019 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

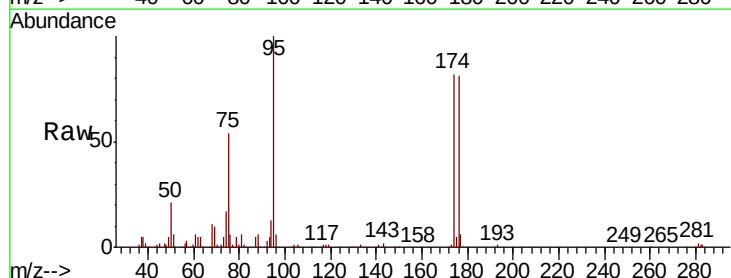
Tgt Ion: 95 Resp: 112908

Ion Ratio Lower Upper

95 100

174 85.6 0.0 159.6

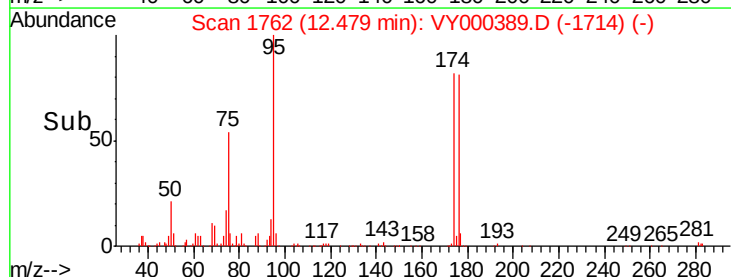
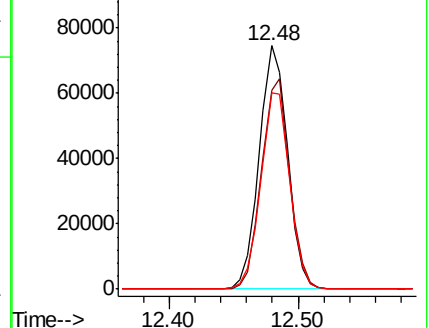
176 82.7 0.0 153.8

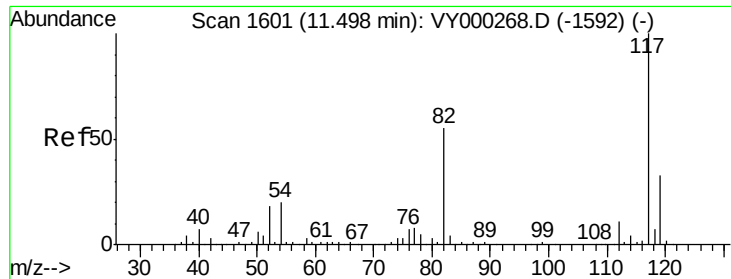


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

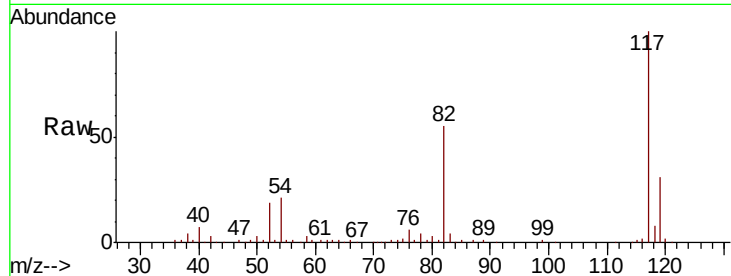




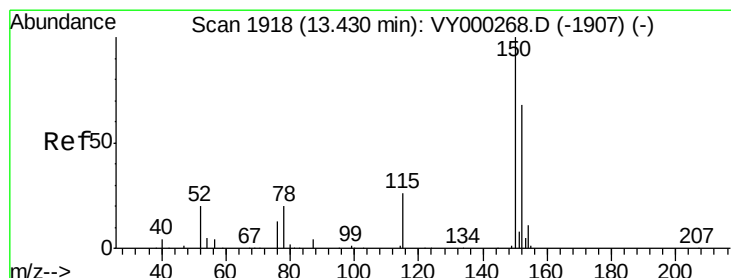
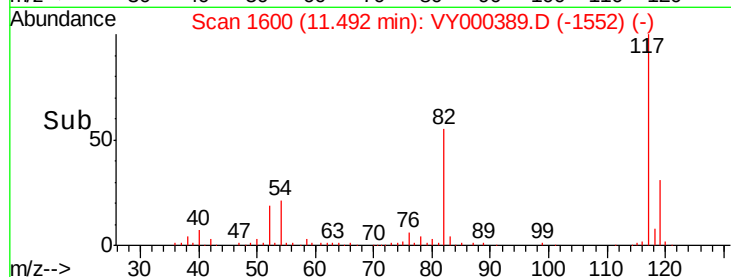
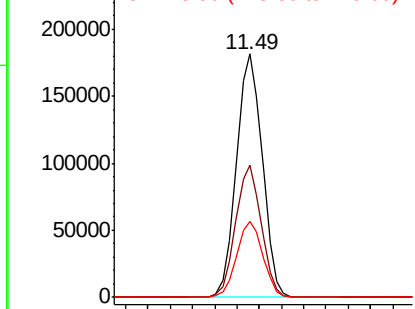
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000389.D
Acq: 23 Oct 2019 18:18

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 291829
Ion Ratio Lower Upper
117 100
82 54.5 43.7 65.5
119 31.4 26.6 39.8

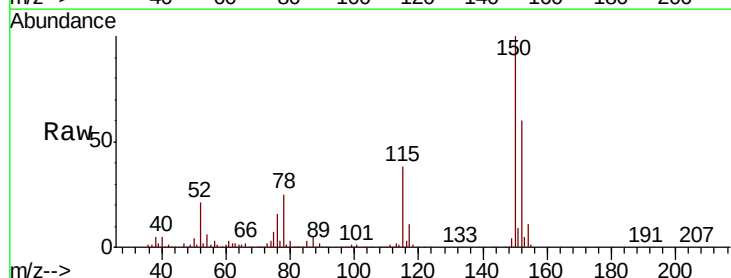


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

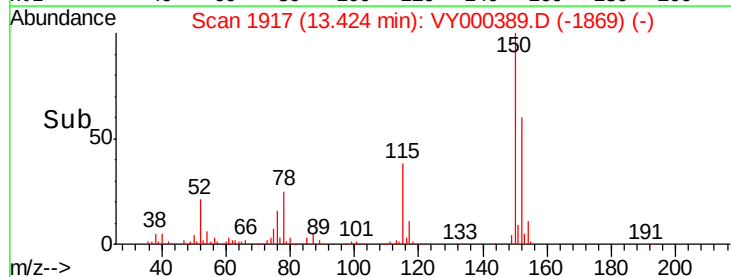
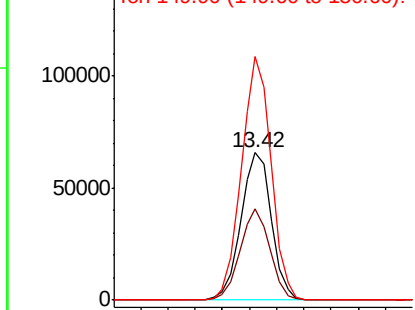


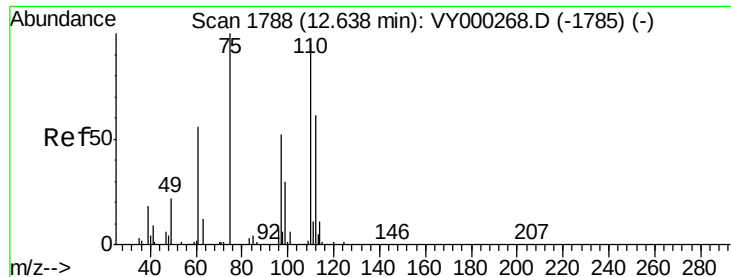
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000389.D
Acq: 23 Oct 2019 18:18

Tgt Ion:152 Resp: 102504
Ion Ratio Lower Upper
152 100
115 60.4 29.3 88.0
150 160.5 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: 48.536 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

Instrument :

MSVOA_Y

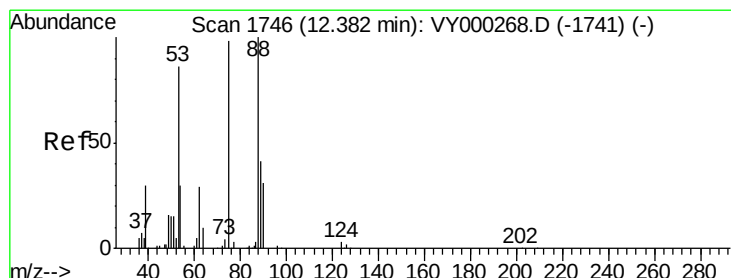
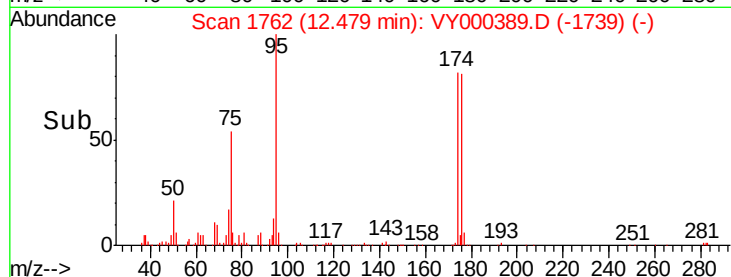
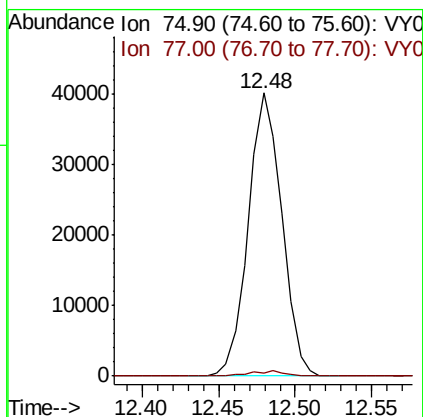
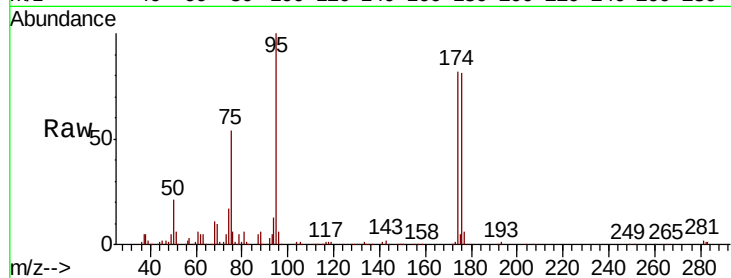
ClientSampleId :

Tot Ion: 75 Resp: 61177

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.195 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000389.D

Acq: 23 Oct 2019 18:18

Tgt Ion: 75 Resp: 61177

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#

