

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
 Data File : VY000363.D
 Acq On : 22 Oct 2019 14:28
 Operator : SY/MD
 Sample : K5139-01
 Misc : 4.31G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-102119

Quant Time: Oct 23 08:02:35 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	264918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	447608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	376037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	160404	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	143252	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.73	113	125753	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
50) Toluene-d8	10.19	98	502912	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.48	95	160955	40.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.58%	

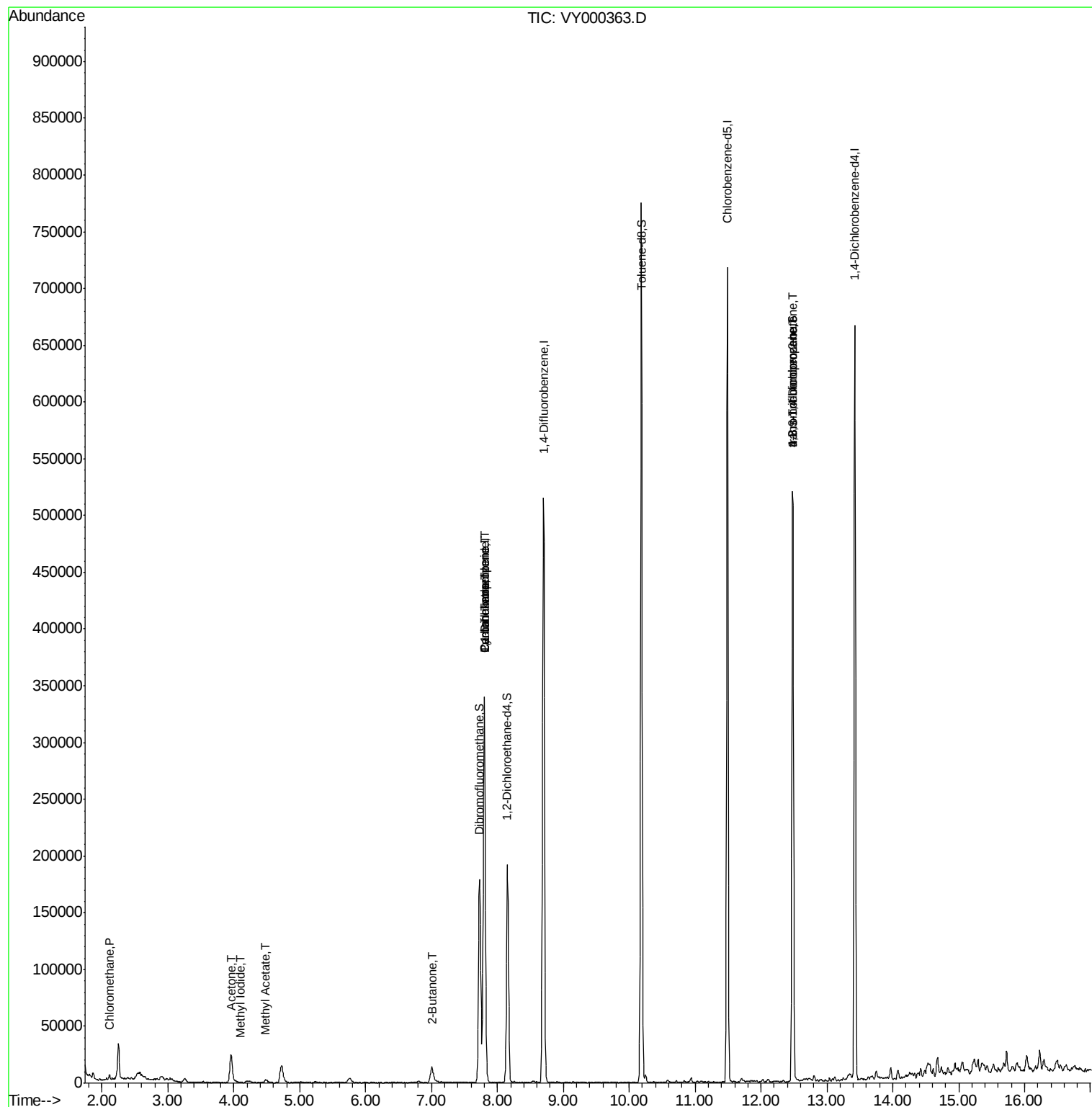
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	4376	1.352	ug/l #	82
10) Methyl Iodide	4.11	142	68	1.203	ug/l #	41
16) Acetone	3.96	43	41696	46.075	ug/l	98
18) Methyl Acetate	4.48	43	4674	2.079	ug/l	100
20) Methylene Chloride	4.72	84	11448	Below Cal		89
25) 2-Butanone	7.02	43	4475	3.510	ug/l #	79
31) Cyclohexane	7.80	56	6103	1.142	ug/l #	15
36) 1,1-Dichloropropene	7.80	75	20742	4.733	ug/l #	50
38) Carbon Tetrachloride	7.80	117	24335	5.735	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	84992	43.090	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84992	94.280	ug/l #	14

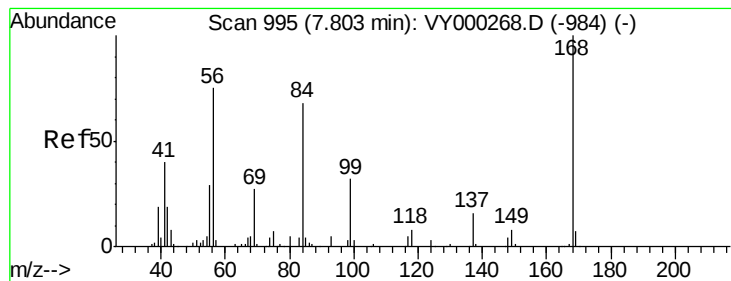
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY102219\
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QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000363.D

Acq: 22 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

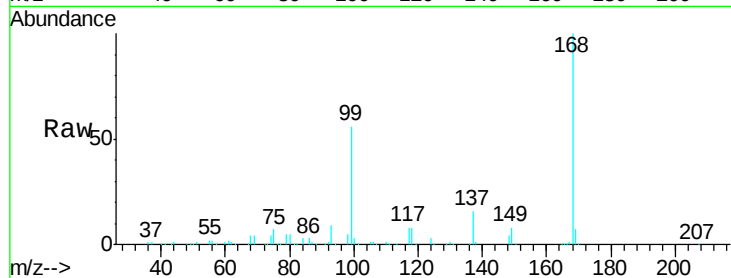
BU-03-102119

Tgt Ion:168 Resp: 264918

Ion Ratio Lower Upper

168 100

99 56.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000363.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000363.D (-946) (-)

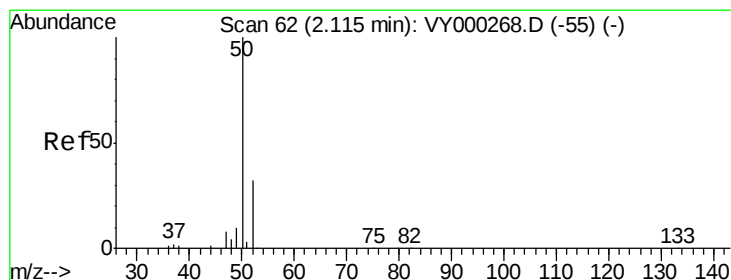
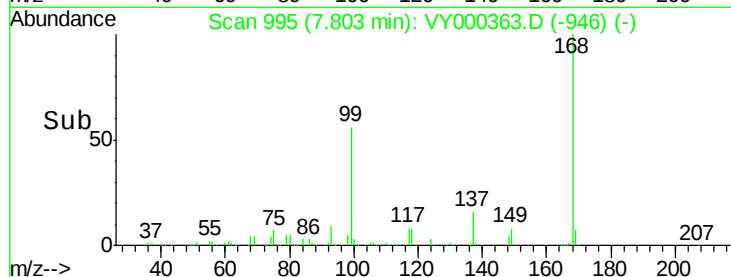
7.80

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.352 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000363.D

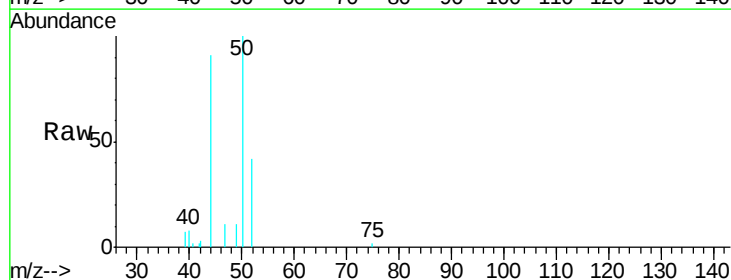
Acq: 22 Oct 2019 14:28

Tgt Ion: 50 Resp: 4376

Ion Ratio Lower Upper

50 100

52 41.6 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000363.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY000363.D (-13) (-)

2.11

3000

2500

2000

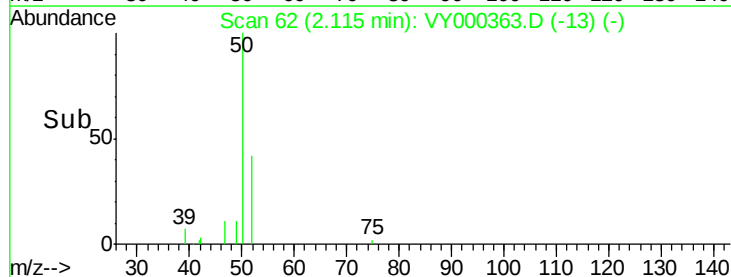
1500

1000

500

0

Time-->

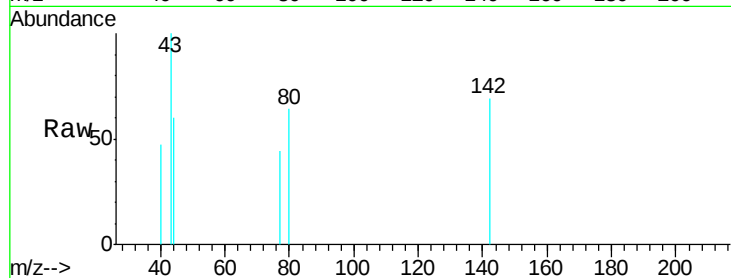




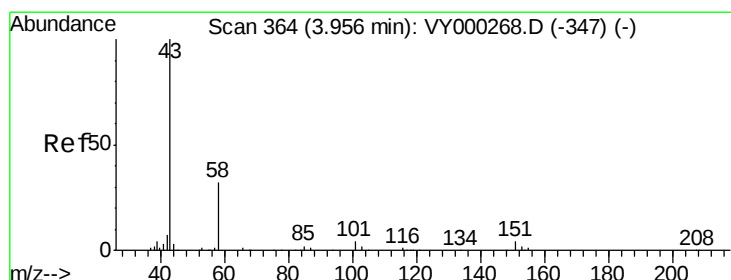
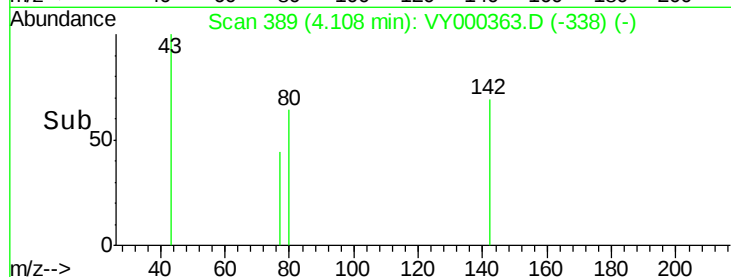
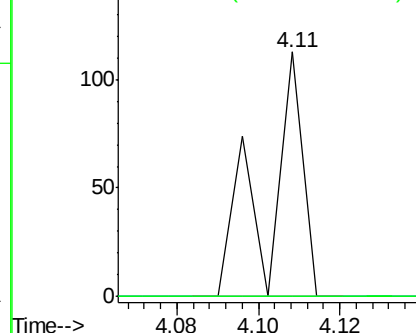
#10
Methyl Iodide
Concen: 1.203 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000363.D
Acq: 22 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampled :
BU-03-102119

Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

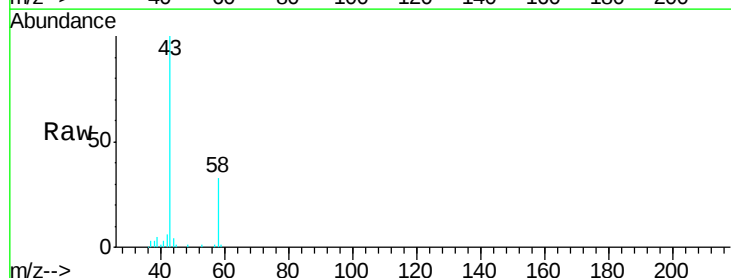


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

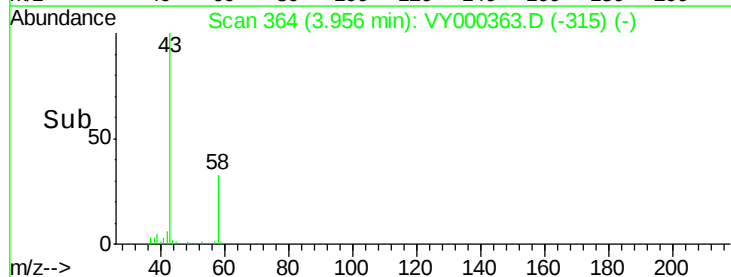
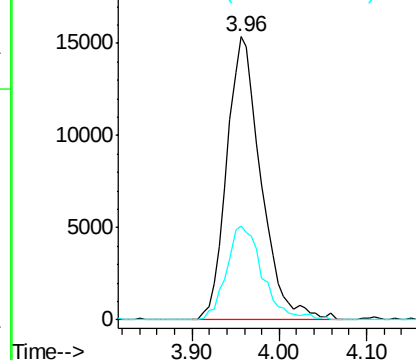


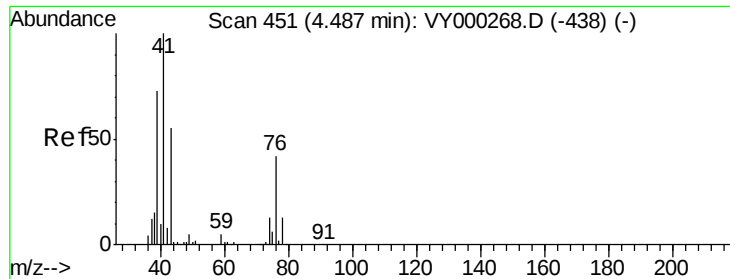
#16
Acetone
Concen: 46.075 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000363.D
Acq: 22 Oct 2019 14:28

Tgt Ion: 43 Resp: 41696
Ion Ratio Lower Upper
43 100
58 33.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

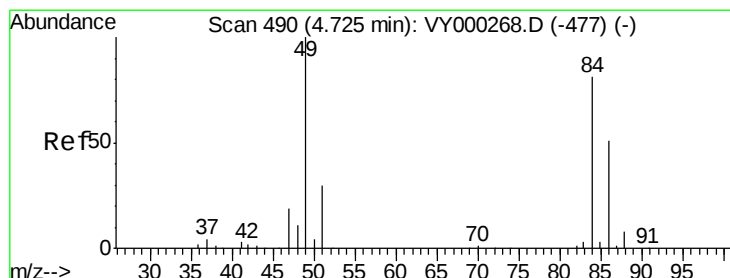
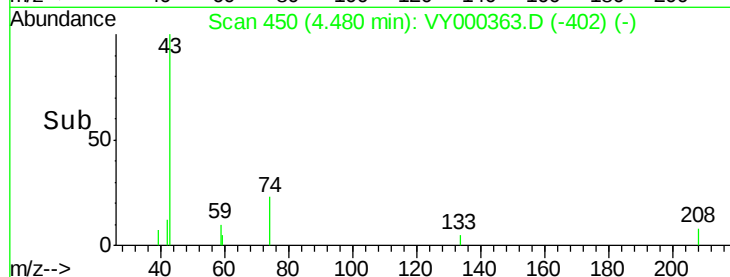
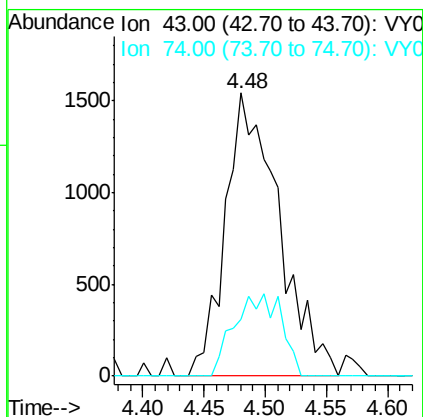
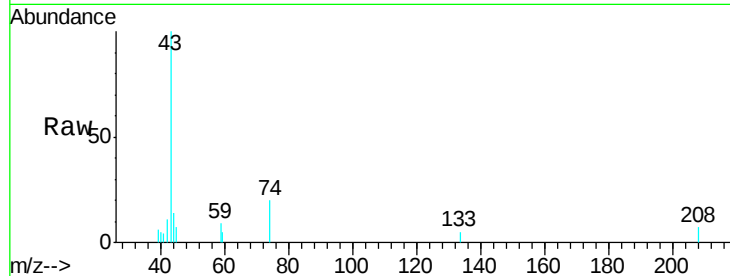




#18
Methyl Acetate
Concen: 2.079 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000363.D
Acq: 22 Oct 2019 14:28

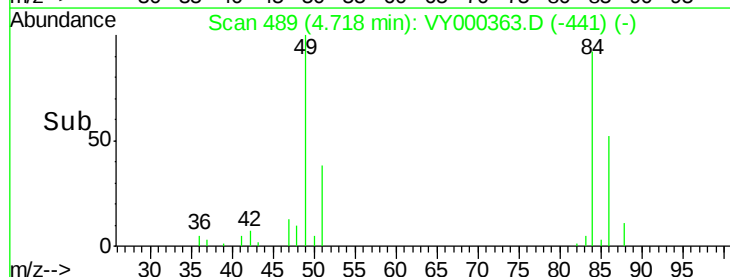
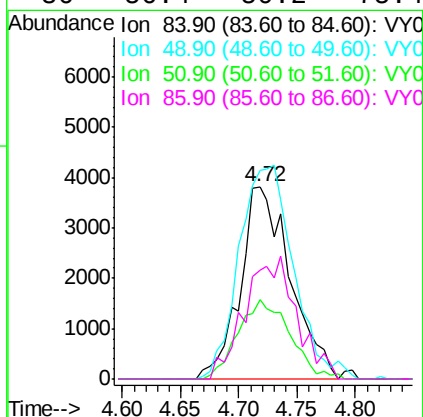
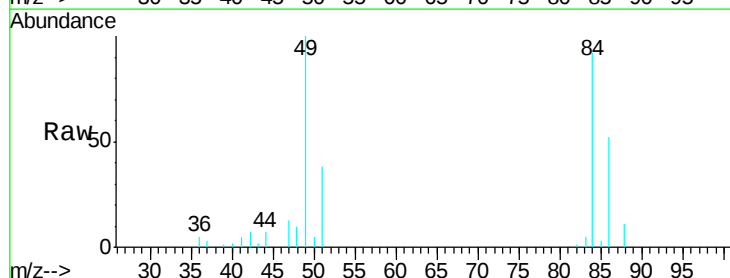
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-102119

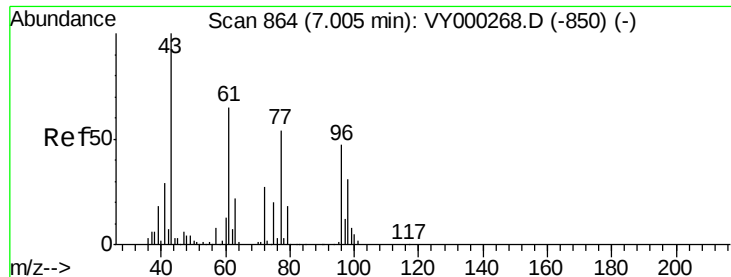
Tgt Ion: 43 Resp: 4674
Ion Ratio Lower Upper
43 100
74 25.6 20.4 30.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000363.D
Acq: 22 Oct 2019 14:28

Tgt Ion: 84 Resp: 11448
Ion Ratio Lower Upper
84 100
49 108.8 99.0 148.4
51 41.4 29.3 43.9
86 56.4 50.2 75.4





#25

2-Butanone

Concen: 3.510 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY000363.D

Acq: 22 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

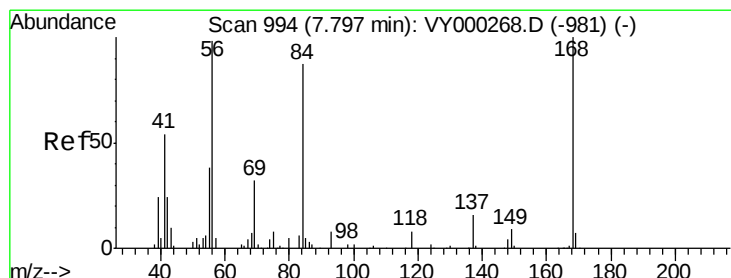
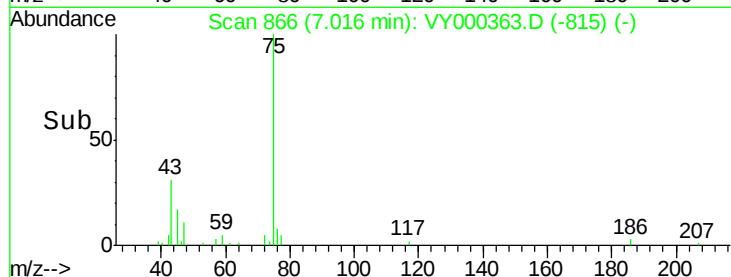
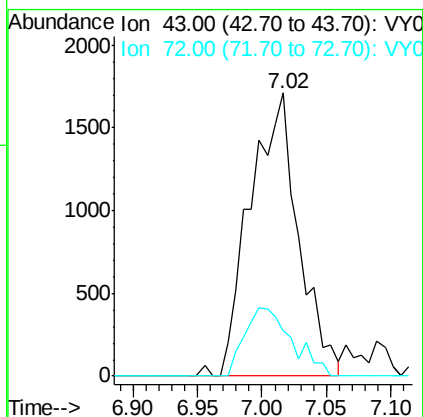
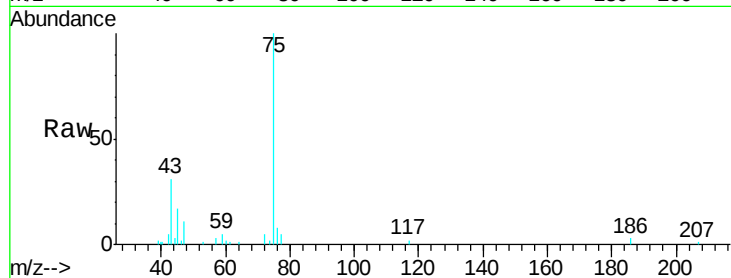
BU-03-102119

Tgt Ion: 43 Resp: 4475

Ion Ratio Lower Upper

43 100

72 16.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000363.D

Acq: 22 Oct 2019 14:28

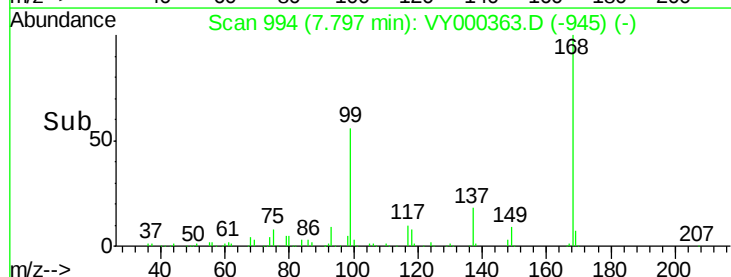
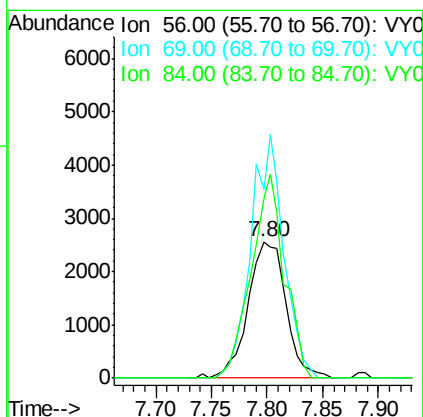
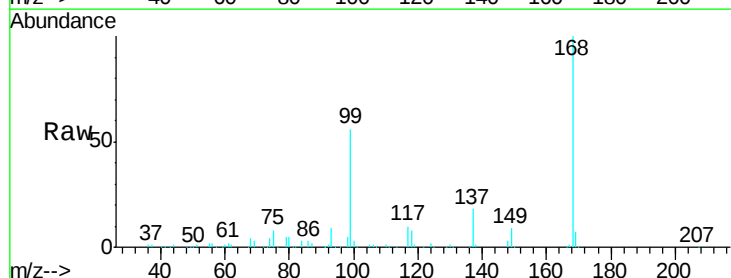
Tgt Ion: 56 Resp: 6103

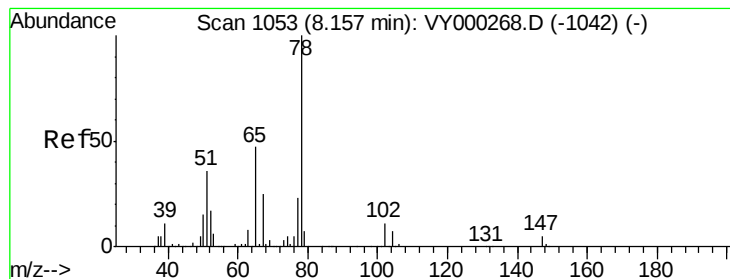
Ion Ratio Lower Upper

56 100

69 138.6 26.3 39.5#

84 131.8 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 51.263 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000363.D

Acq: 22 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

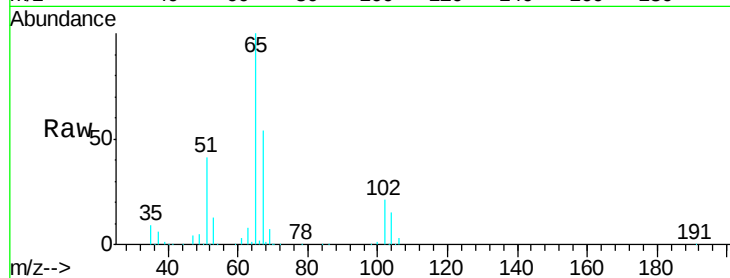
BU-03-102119

Tgt Ion: 65 Resp: 143252

Ion Ratio Lower Upper

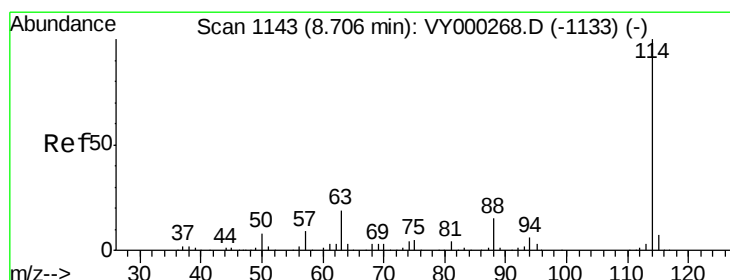
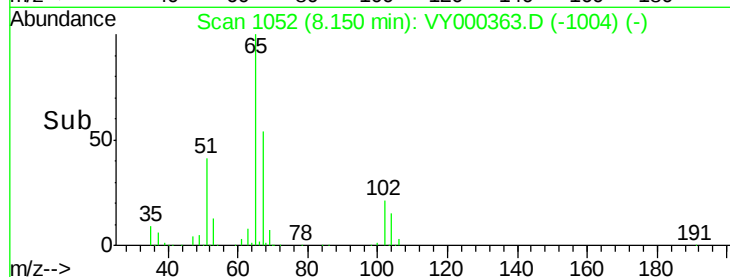
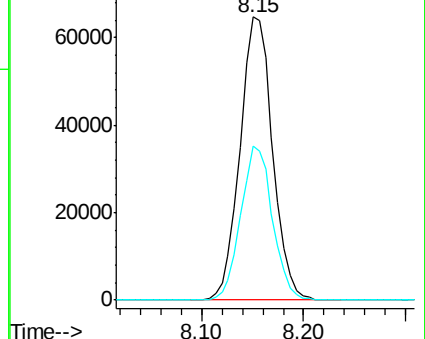
65 100

67 53.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000363.D

Acq: 22 Oct 2019 14:28

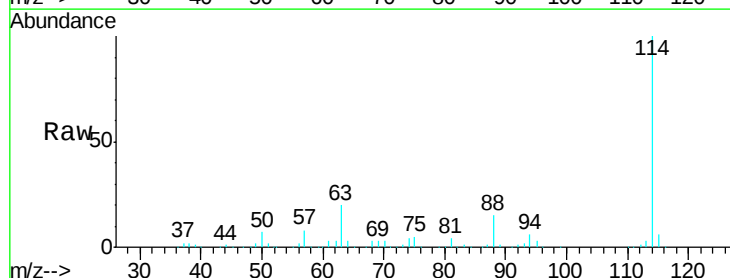
Tgt Ion: 114 Resp: 447608

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.2

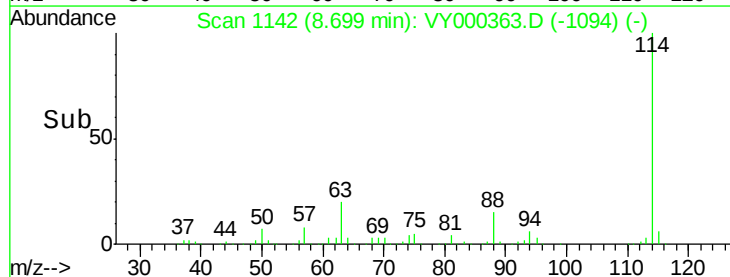
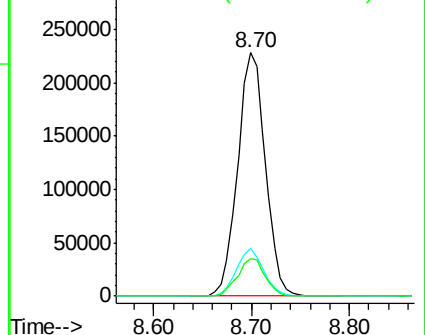
88 15.2 0.0 30.2

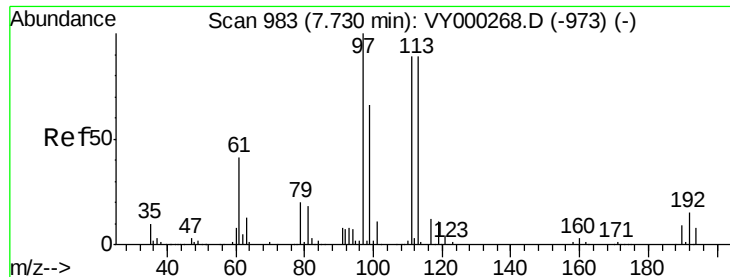


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

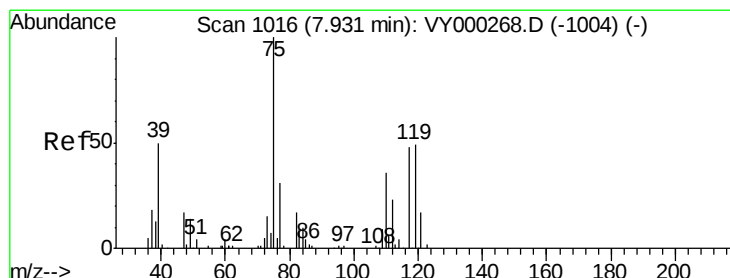
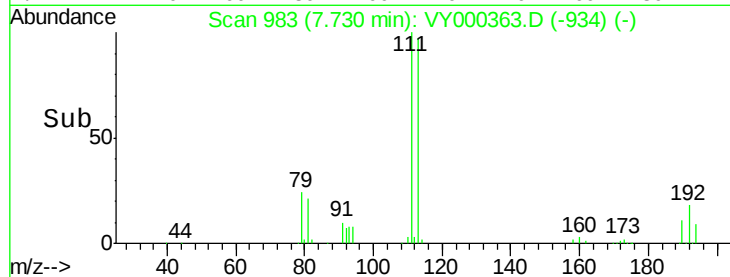
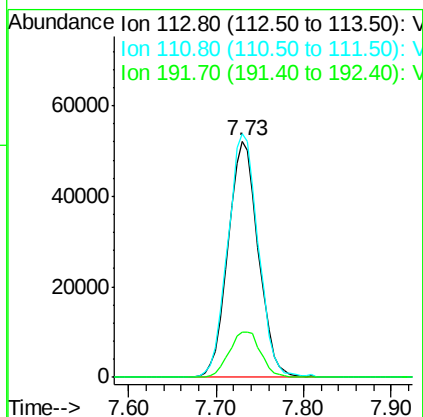
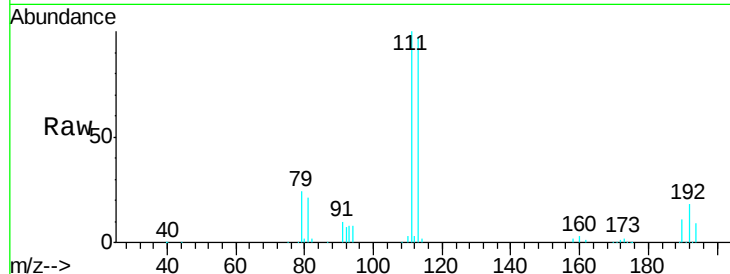




#35
 Dibromofluoromethane
 Concen: 46.575 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000363.D
 Acq: 22 Oct 2019 14:28

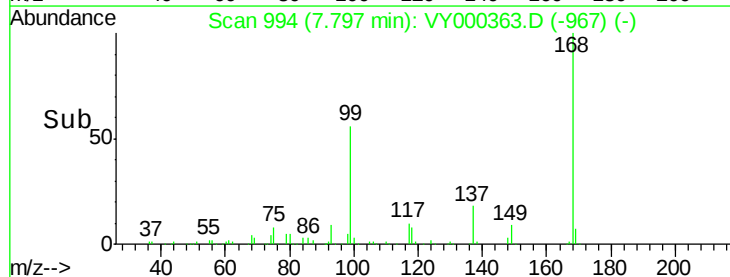
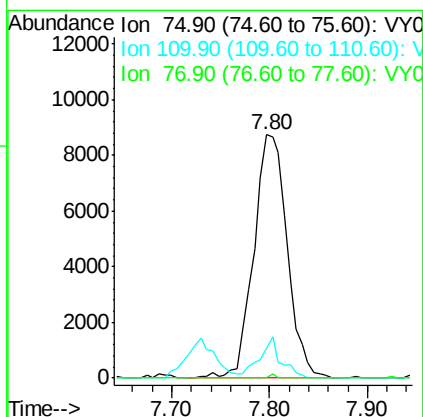
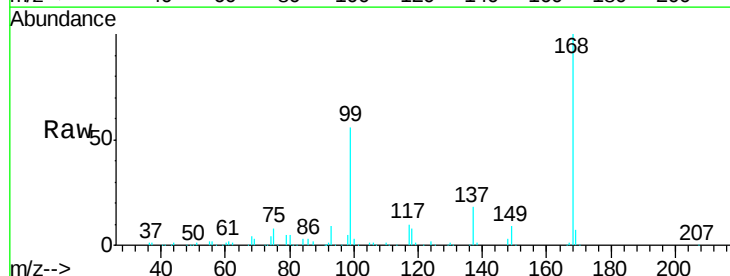
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-102119

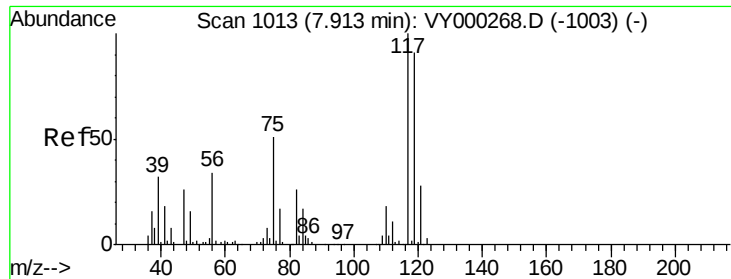
Tgt Ion: 113 Resp: 125753
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.6 122.4
 192 19.9 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000363.D
 Acq: 22 Oct 2019 14:28

Tgt Ion: 75 Resp: 20742
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.4 55.4#
 77 0.3 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.735 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000363.D

Acq: 22 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-102119

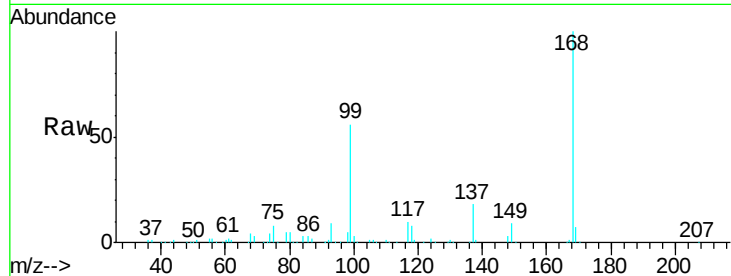
Tgt Ion:117 Resp: 24335

Ion Ratio Lower Upper

117 100

119 5.0 72.8 109.2#

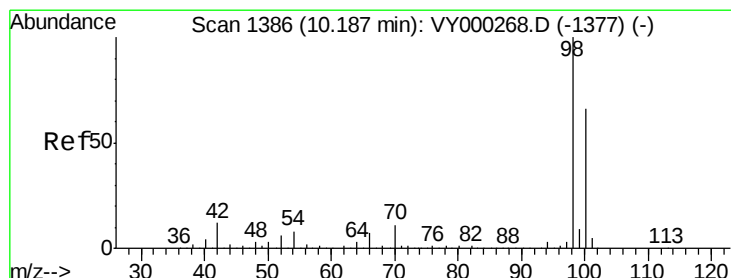
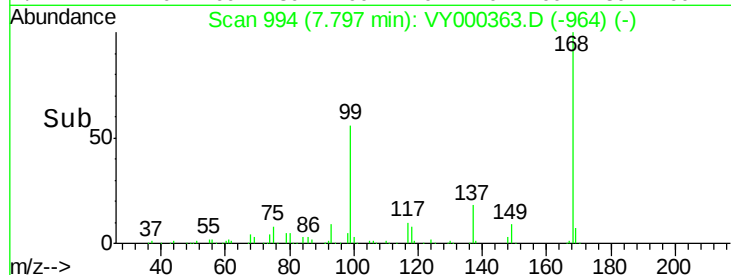
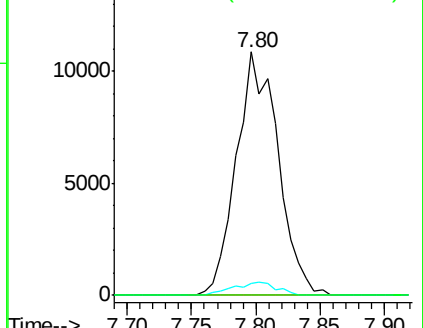
121 0.6 22.2 33.2#



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: 48.421 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000363.D

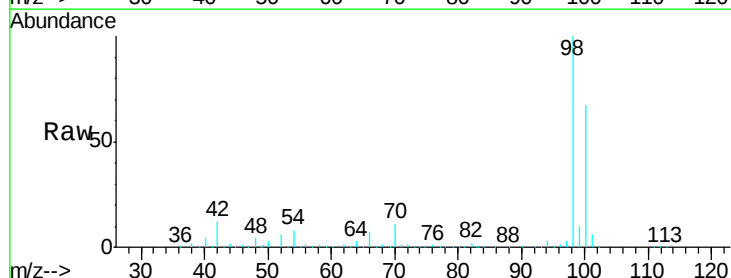
Acq: 22 Oct 2019 14:28

Tgt Ion: 98 Resp: 502912

Ion Ratio Lower Upper

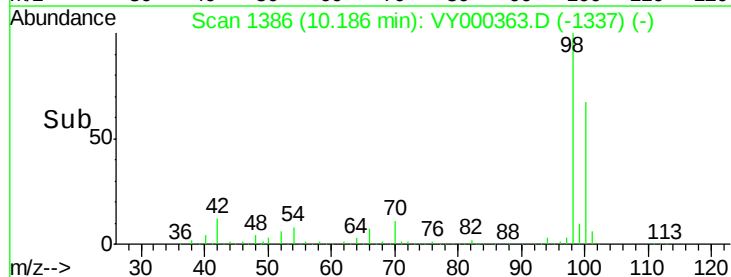
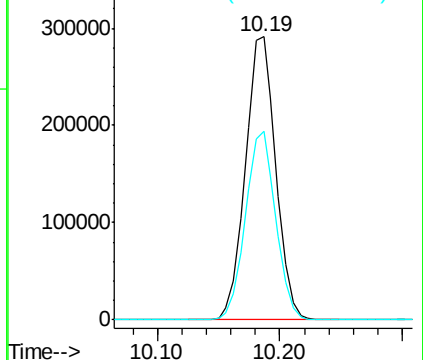
98 100

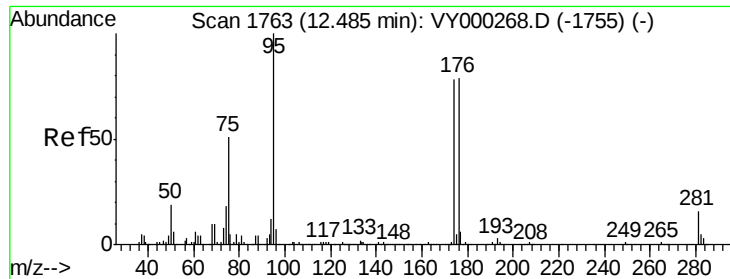
100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

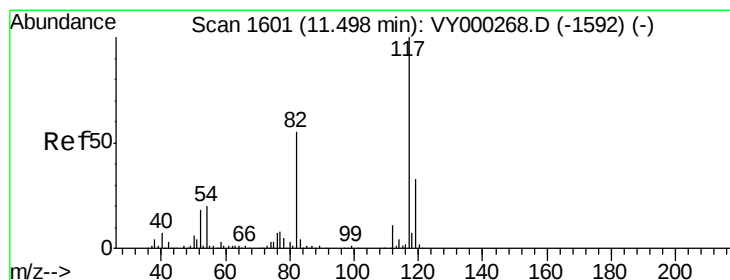
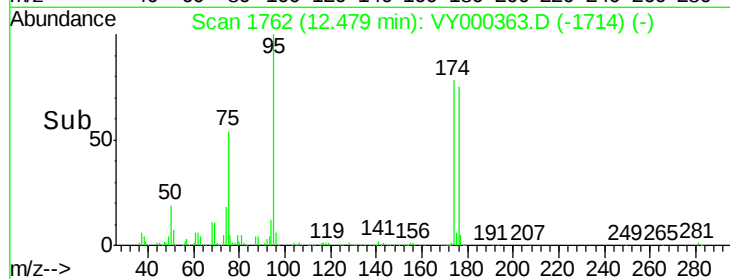
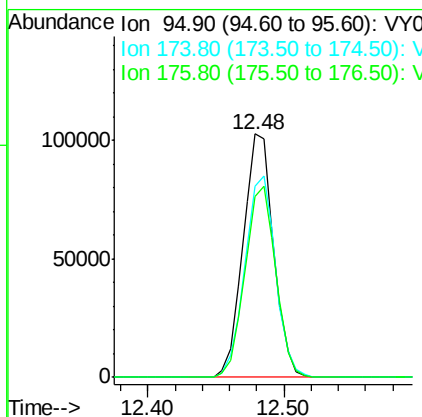
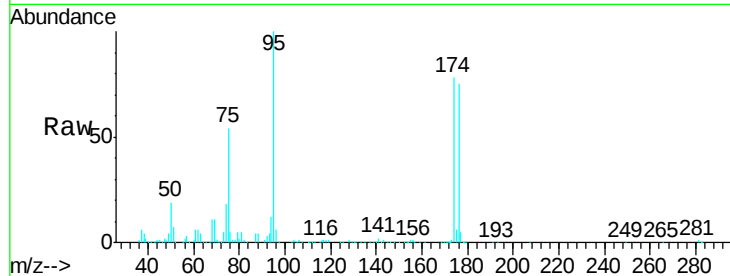




#62
 4-Bromofluorobenzene
 Concen: 40.791 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000363.D
 Acq: 22 Oct 2019 14:28

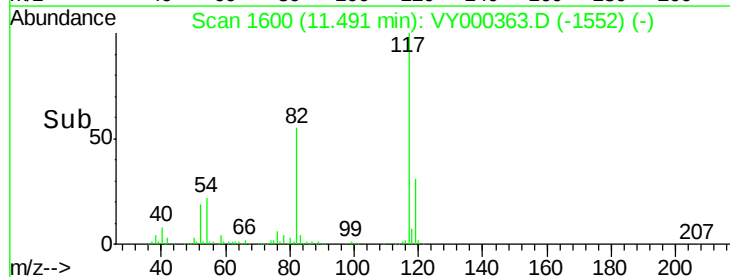
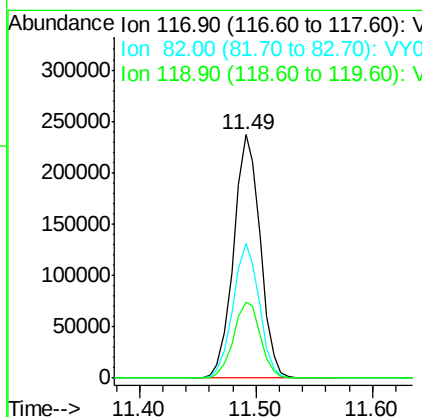
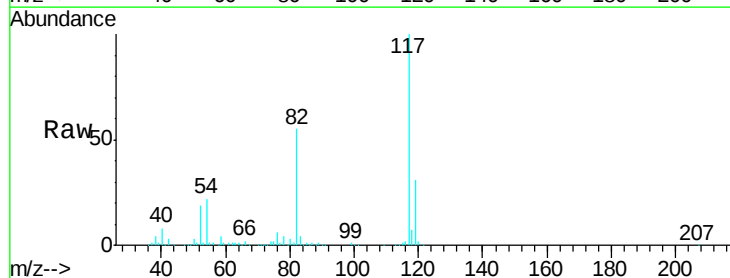
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-102119

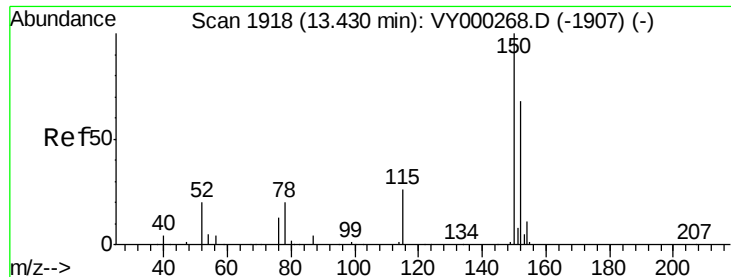
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	159.6
176	79.4	0.0	153.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VY000363.D
 Acq: 22 Oct 2019 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.7	65.5
119	31.0	26.6	39.8



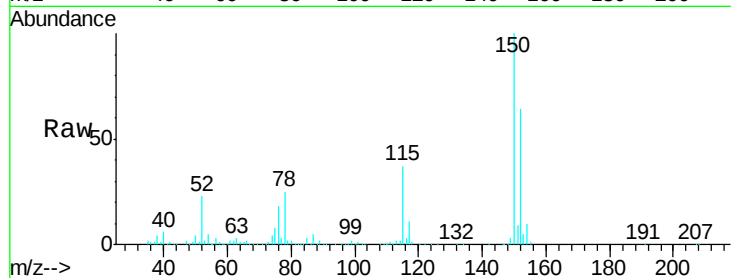


#72

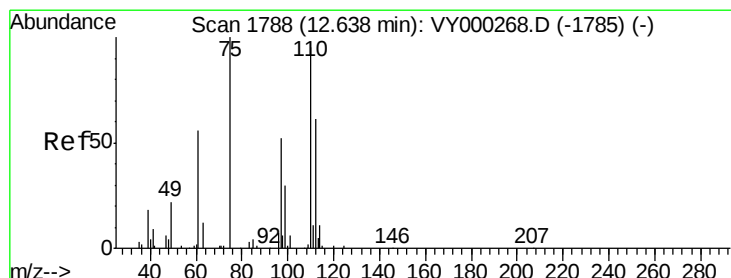
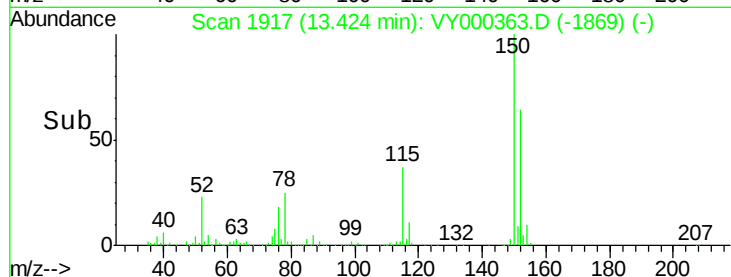
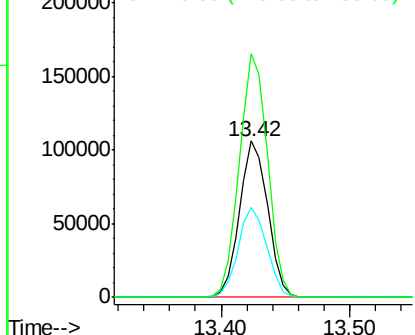
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000363.D
Acq: 22 Oct 2019 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BU-03-102119

Tgt Ion:152 Resp: 160404
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 155.9 0.0 348.4



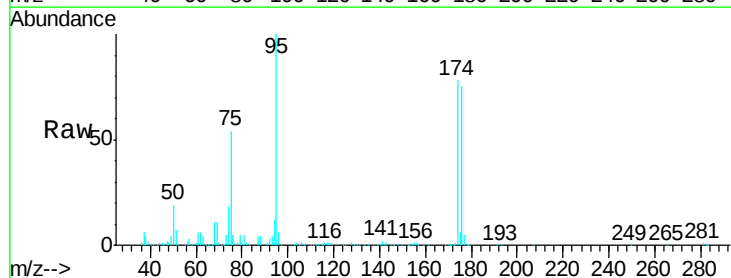
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



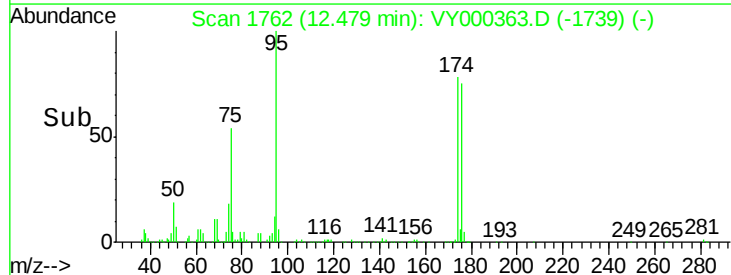
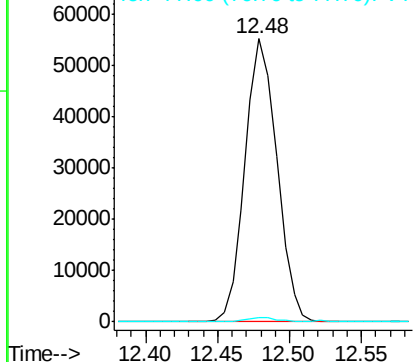
#76

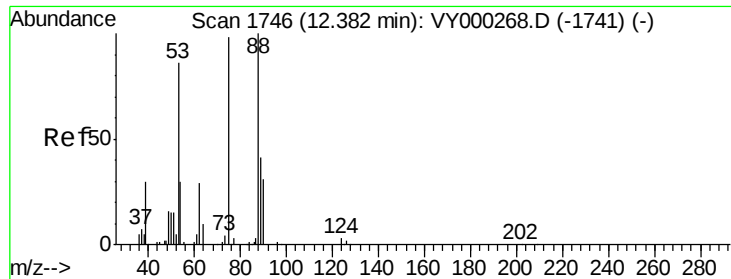
1,2,3-Trichloropropane
Concen: 43.090 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000363.D
Acq: 22 Oct 2019 14:28

Tgt Ion: 75 Resp: 84992
Ion Ratio Lower Upper
75 100
77 1.9 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: 94.280 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000363.D

Acq: 22 Oct 2019 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-102119

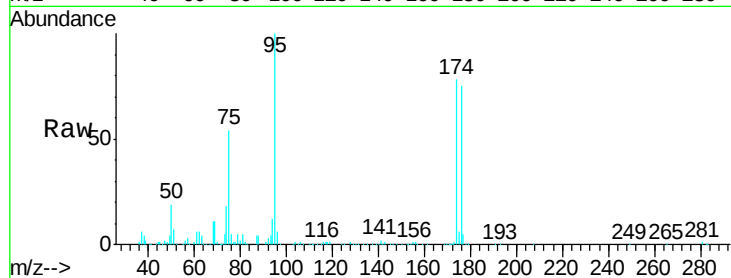
Tgt Ion: 75 Resp: 84992

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

