

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000381.D
 Acq On : 23 Oct 2019 15:14
 Operator : SY/MD
 Sample : K5152-10
 Misc : 7.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:45:23 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	232751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	393112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	146372	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	133627	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
35) Dibromofluoromethane	7.73	113	111650	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.18	98	455338	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.48	95	146002	42.13	ug/l	0.00
Spiked Amount			Recovery	=	84.26%	

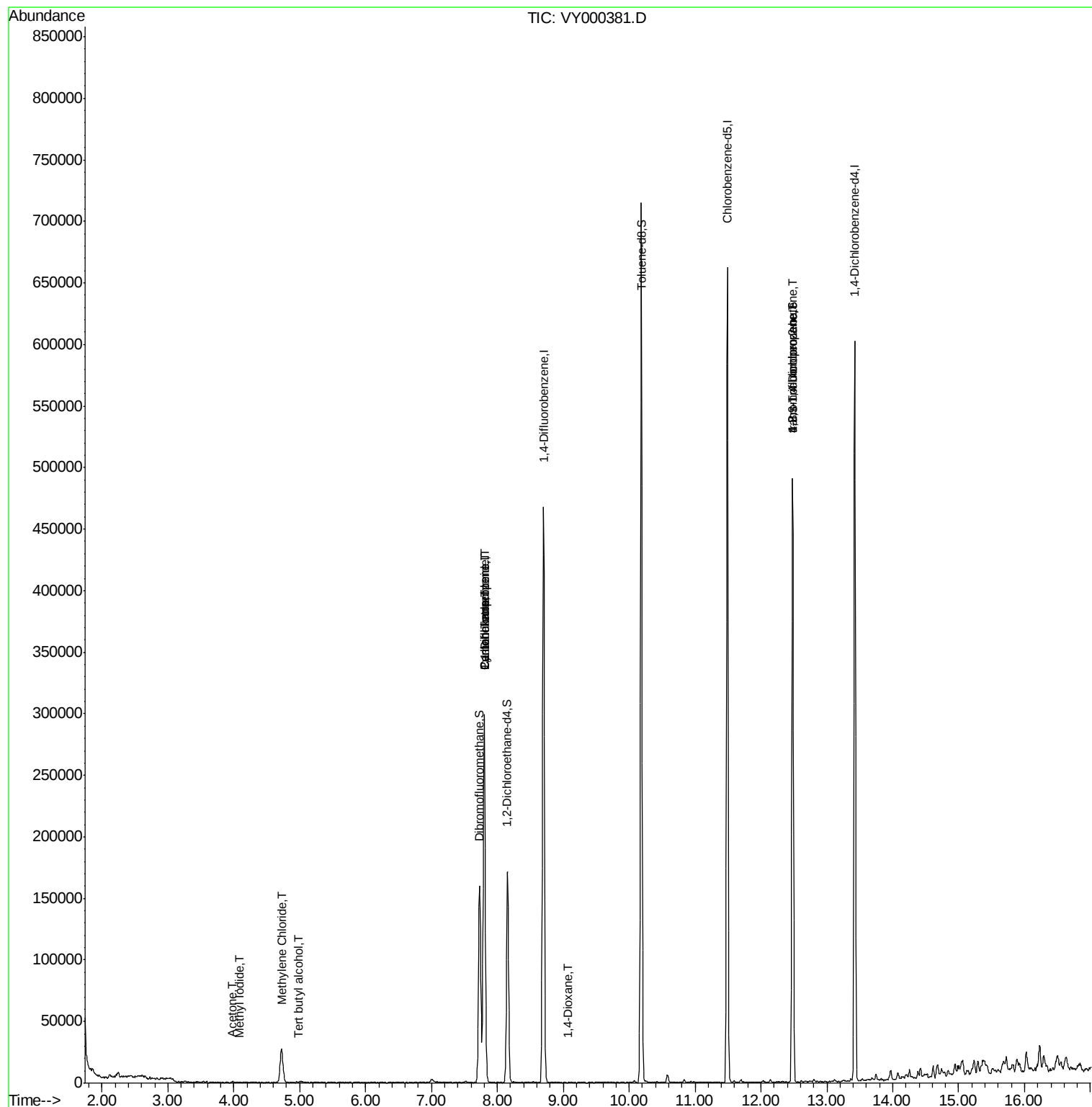
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.04	85	19	Below Cal	#	41
10) Methyl Iodide	4.08	142	56	1.202	ug/l #	41
11) Tert butyl alcohol	4.98	59	400	1.557	ug/l #	73
16) Acetone	3.98	43	1358	1.708	ug/l #	88
20) Methylene Chloride	4.72	84	20265	2.388	ug/l	94
31) Cyclohexane	7.80	56	5221	1.112	ug/l #	40
36) 1,1-Dichloropropene	7.80	75	19600	5.092	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22800	6.118	ug/l #	20
49) 1,4-Dioxane	9.07	88	59	2.579	ug/l #	39
76) 1,2,3-Trichloropropane	12.48	75	77209	42.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	77209	93.857	ug/l #	14

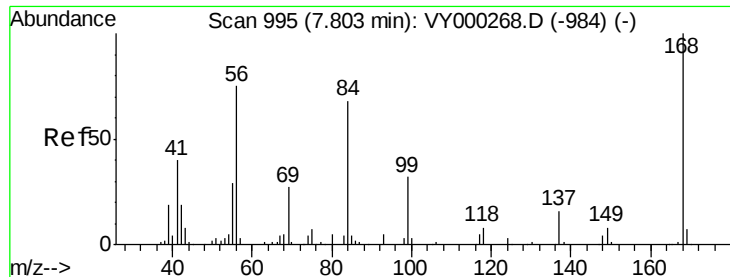
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
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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: VY000381.D

Acq: 23 Oct 2019 15:14

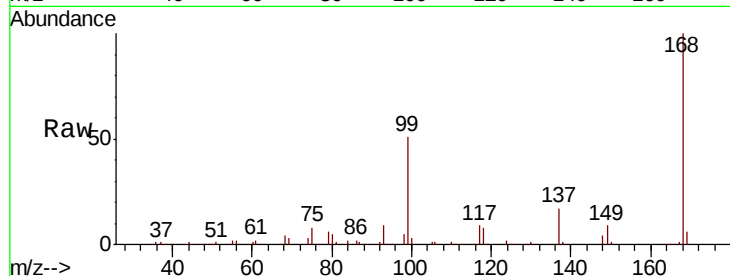
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 232751

Ion Ratio Lower Upper

168 100

99 51.3 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

120000

100000

80000

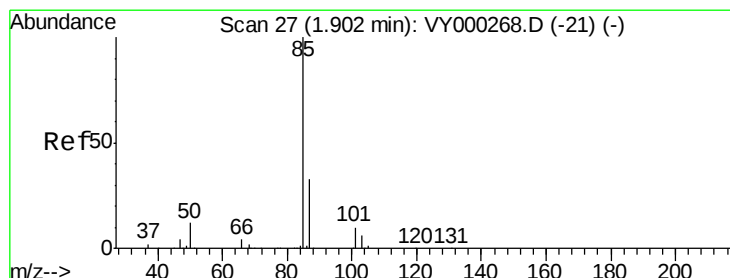
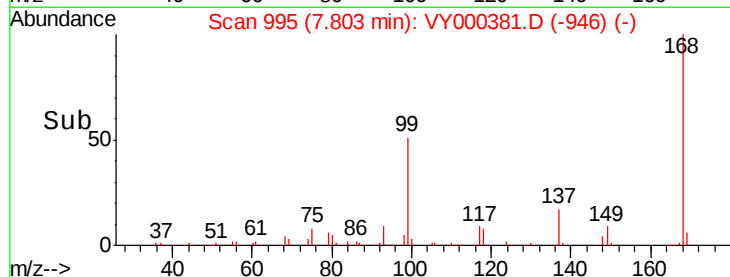
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.04 min Scan# 49

Delta R.T. 0.14 min

Lab File: VY000381.D

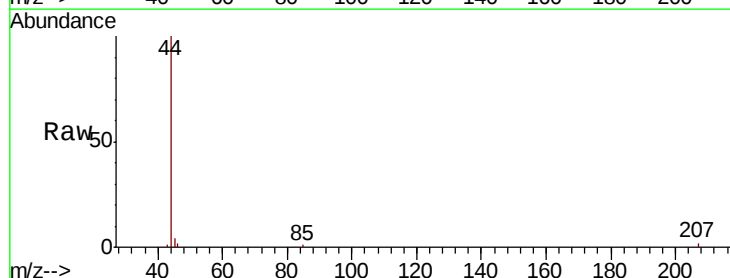
Acq: 23 Oct 2019 15:14

Tgt Ion: 85 Resp: 19

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) (-)

2.04

60

50

40

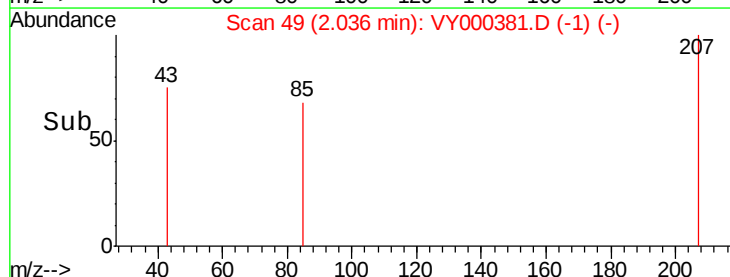
30

20

10

0

Time-->

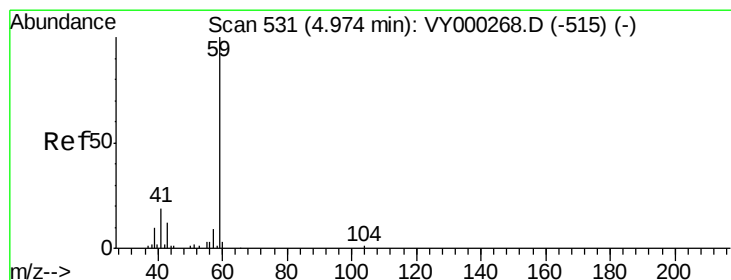
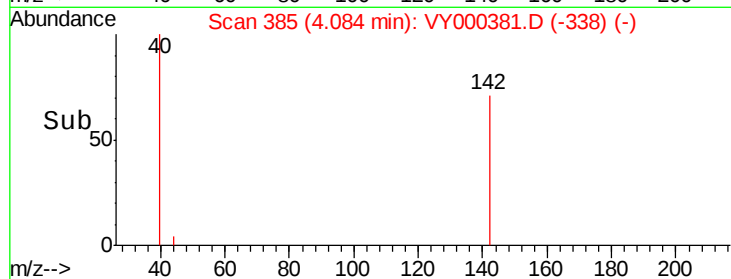
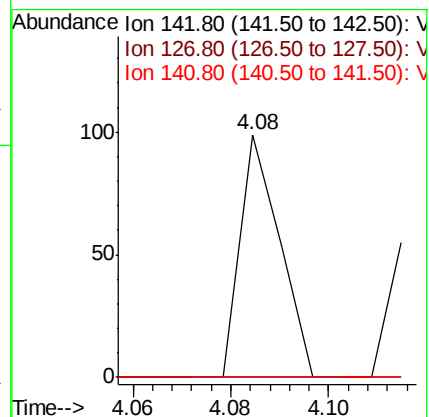
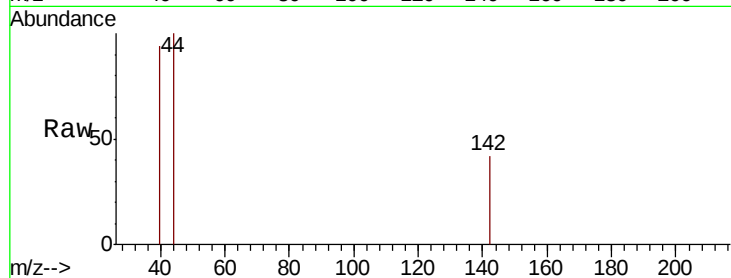




#10
Methvl Iodide
Concen: 1.202 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

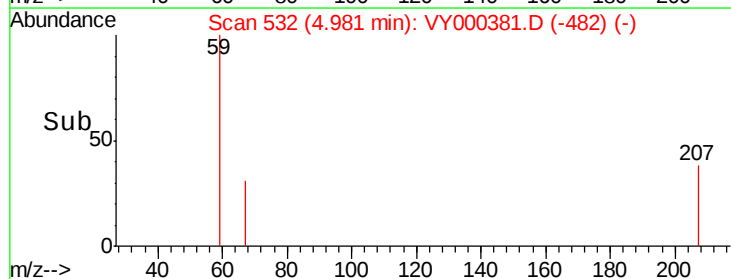
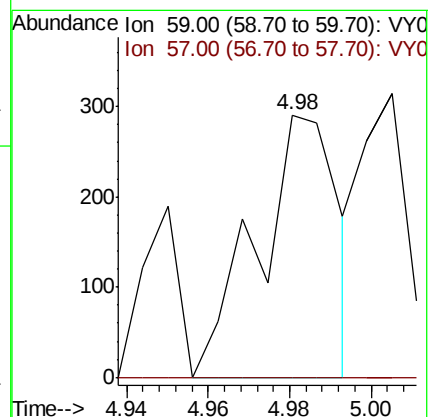
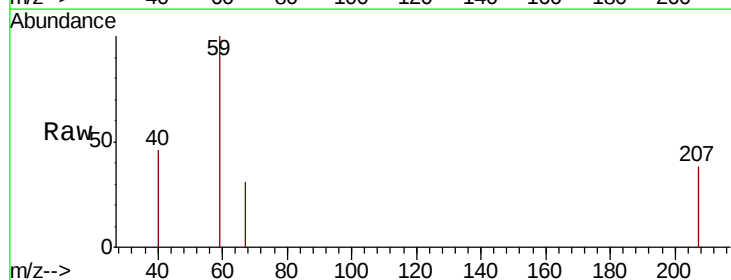
Instrument :
MSVOA_Y
ClientSampled :

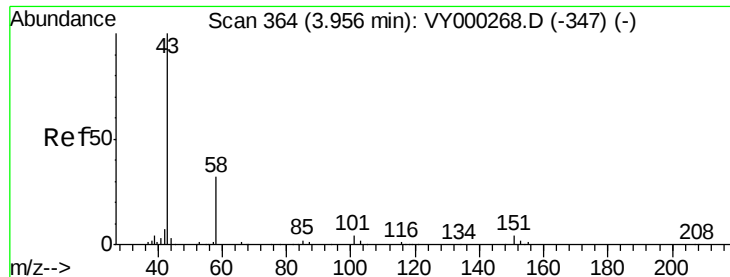
Tot Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 1.557 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

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





#16

Acetone

Concen: 1.708 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY000381.D

Acq: 23 Oct 2019 15:14

Instrument :

MSVOA_Y

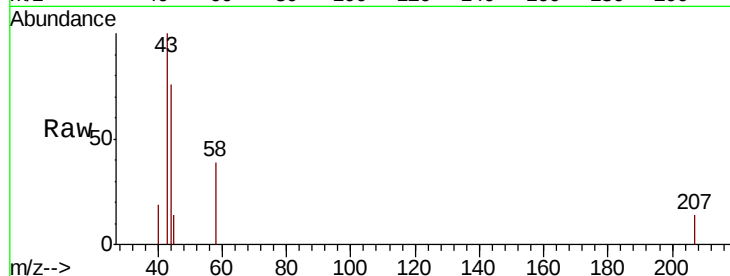
ClientSampled :

Tot Ion: 43 Resp: 1358

Ion Ratio Lower Upper

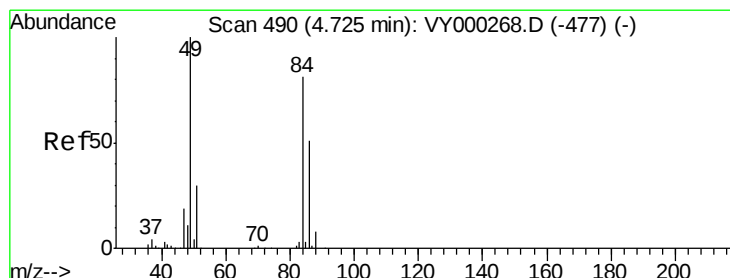
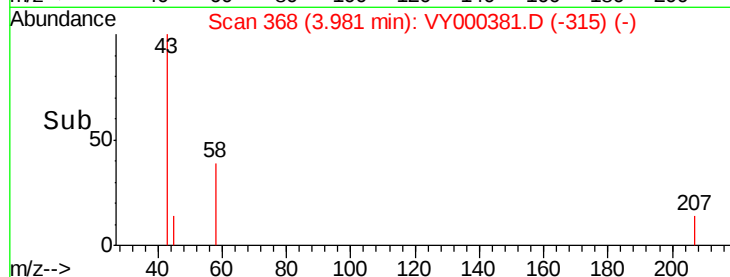
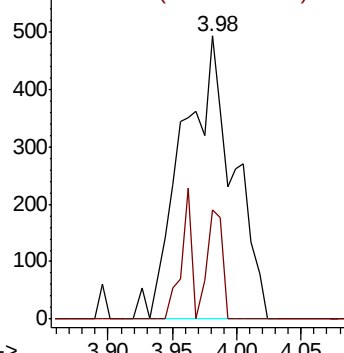
43 100

58 38.7 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: 2.388 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000381.D

Acq: 23 Oct 2019 15:14

Tgt Ion: 84 Resp: 20265

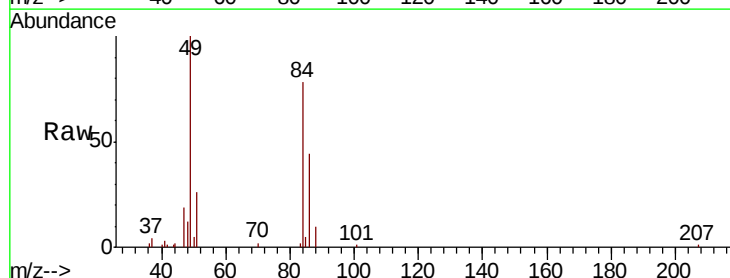
Ion Ratio Lower Upper

84 100

49 127.9 99.0 148.4

51 32.1 29.3 43.9

86 56.6 50.2 75.4

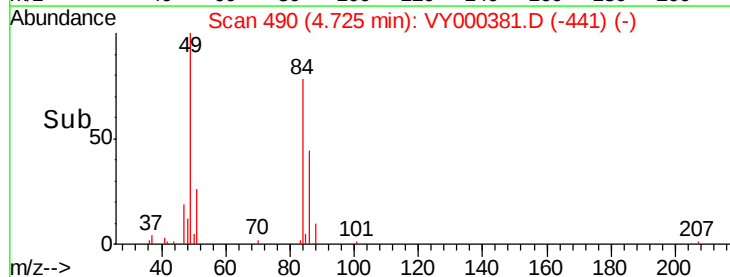
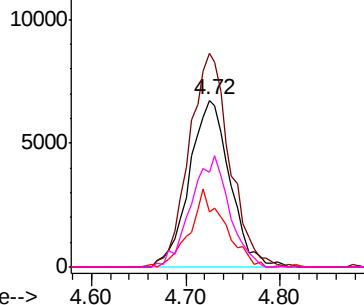


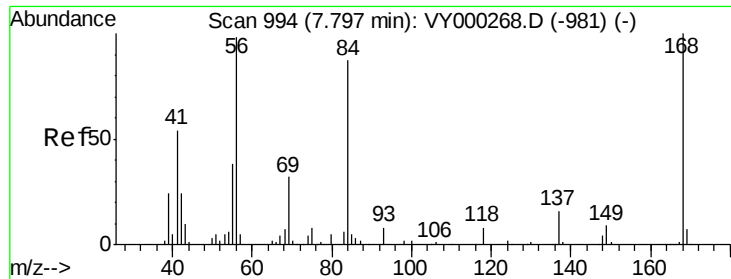
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

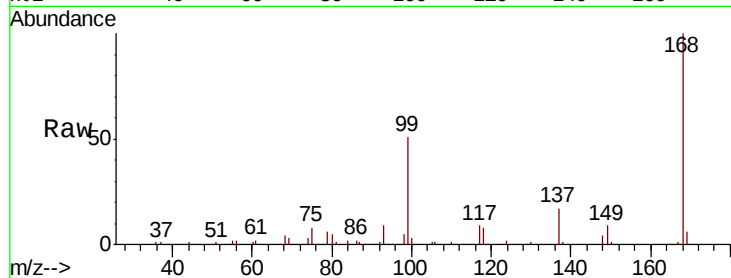




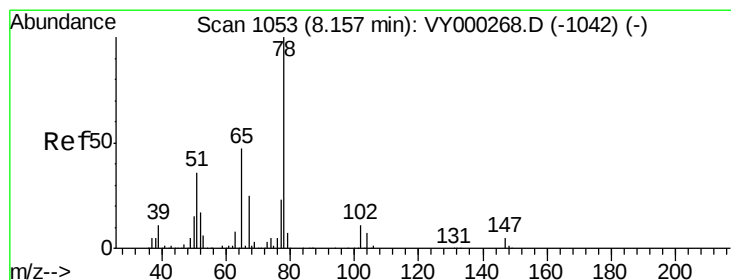
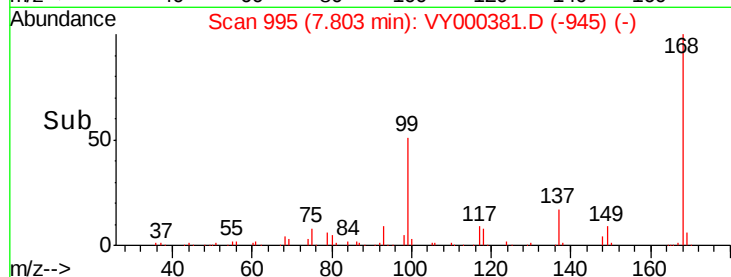
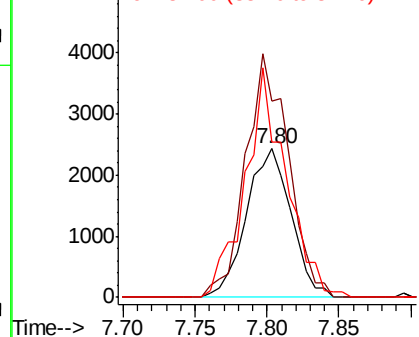
#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5221
Ion Ratio Lower Upper
56 100
69 132.2 26.3 39.5#
84 104.5 70.8 106.2

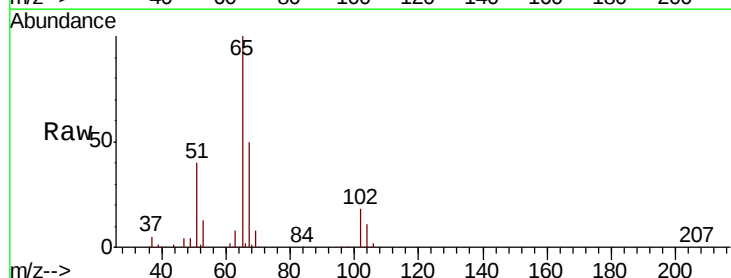


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

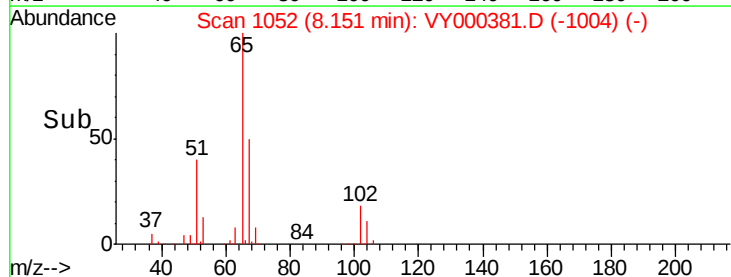
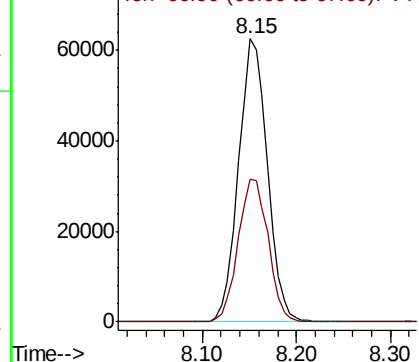


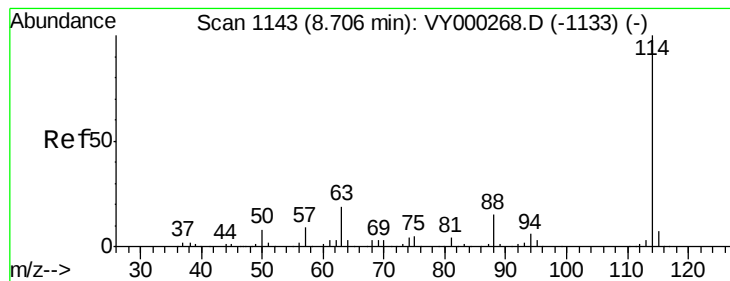
#33
1,2-Dichloroethane-d4
Concen: 54.427 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

Tgt Ion: 65 Resp: 133627
Ion Ratio Lower Upper
65 100
67 52.5 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: VY000381.D

Acq: 23 Oct 2019 15:14

Instrument :
MSVOA_Y
ClientSampleId :

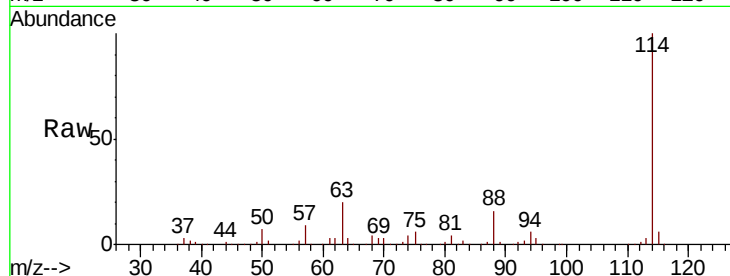
Tot Ion:114 Resp: 393112

Ion Ratio Lower Upper

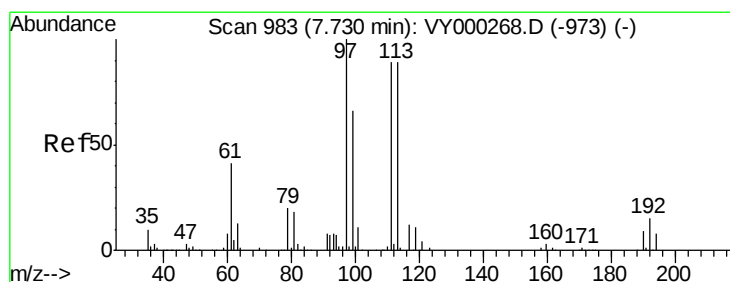
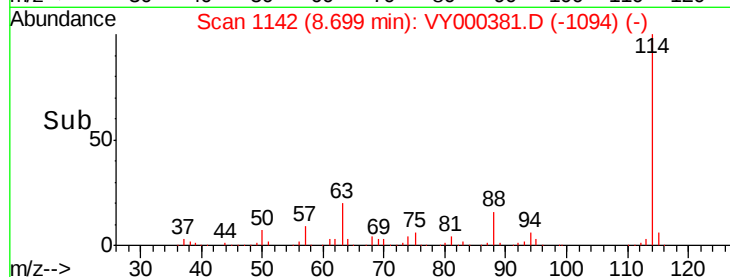
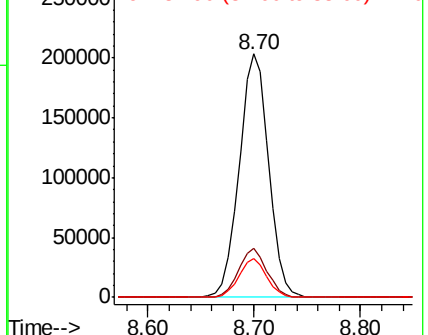
114 100

63 20.0 0.0 37.2

88 16.2 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: 47.084 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000381.D

Acq: 23 Oct 2019 15:14

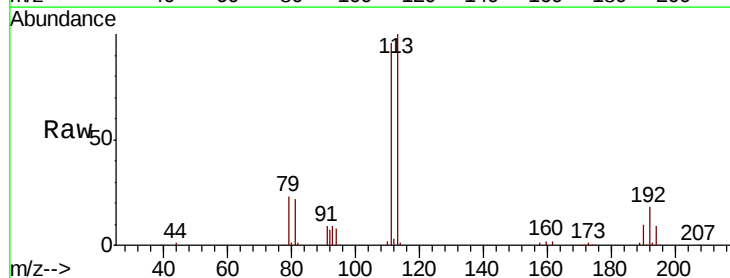
Tgt Ion:113 Resp: 111650

Ion Ratio Lower Upper

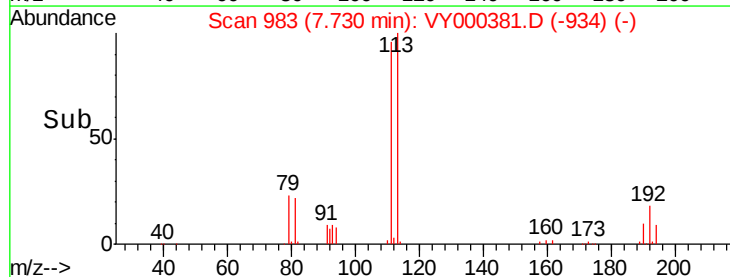
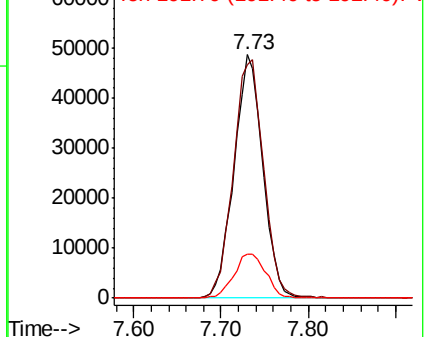
113 100

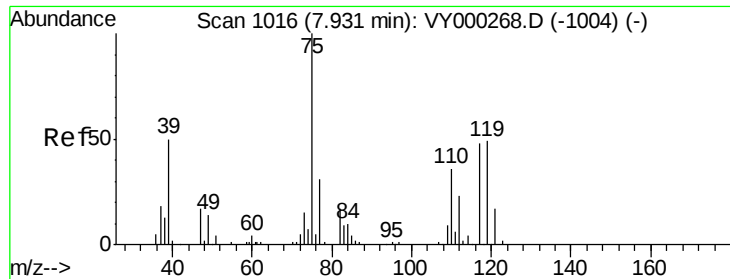
111 102.9 81.6 122.4

192 19.8 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

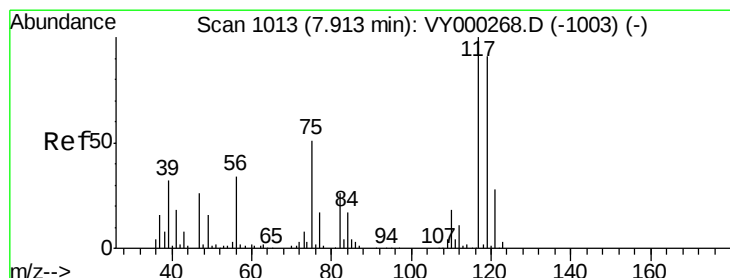
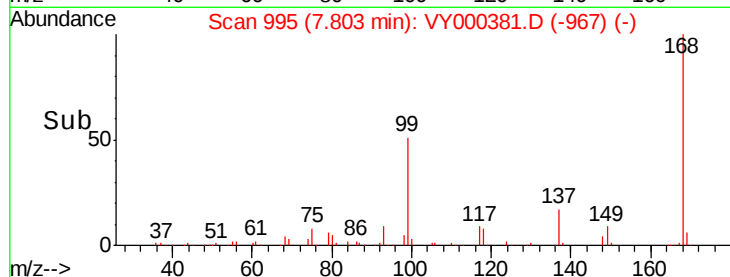
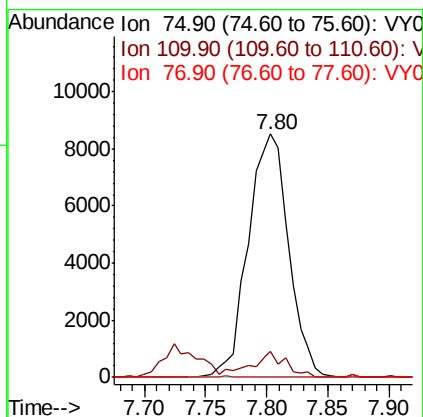
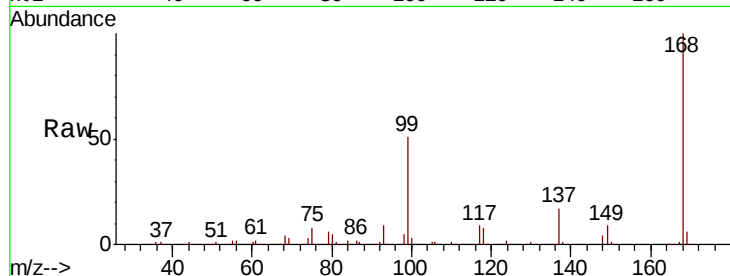




#36
 1,1-Dichloropropene
 Concen: 5.092 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000381.D
 Acq: 23 Oct 2019 15:14

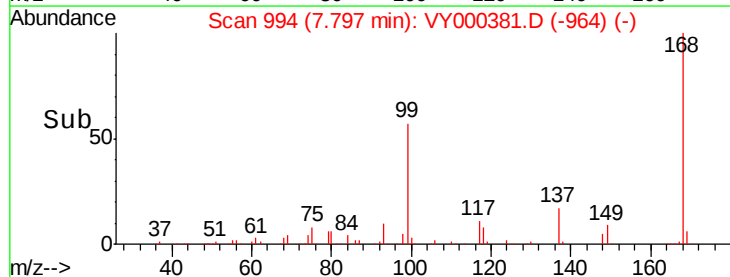
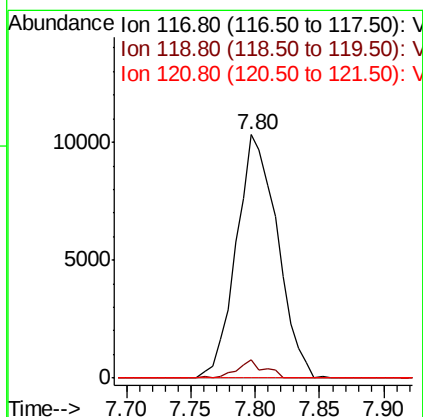
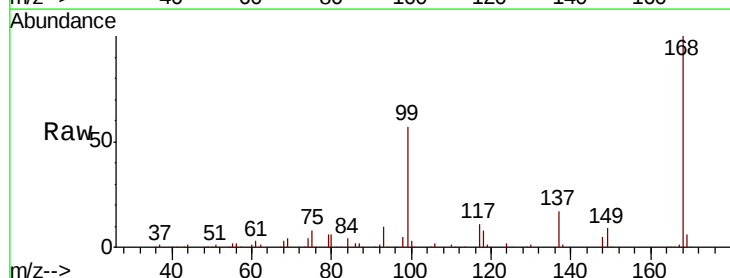
Instrument :
 MSVOA_Y
 ClientSampled :

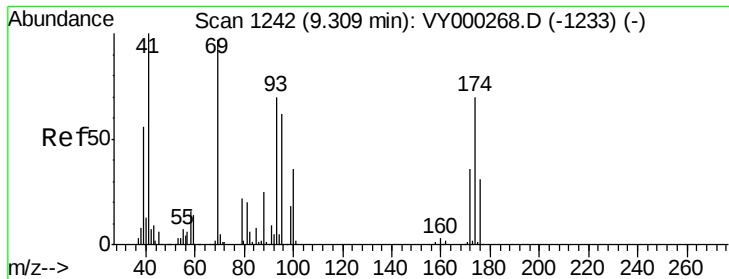
Tot Ion	75	Resp	19600
Ion Ratio	Lower	Upper	
75	100		
110	8.2	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.118 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000381.D
 Acq: 23 Oct 2019 15:14

Tgt Ion	117	Resp	22800
Ion Ratio	Lower	Upper	
117	100		
119	7.4	72.8	109.2#
121	0.0	22.2	33.2#

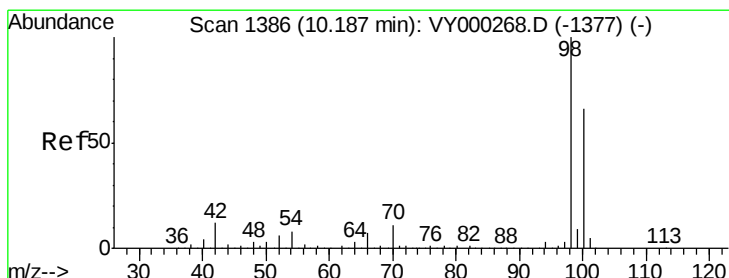
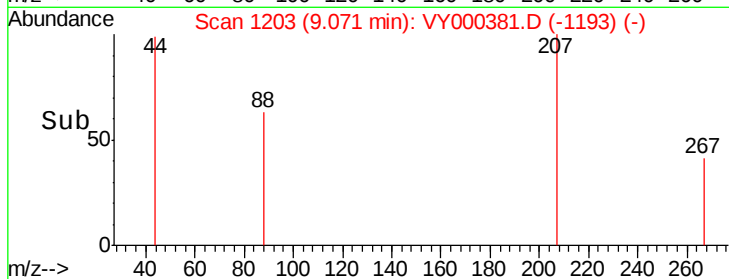
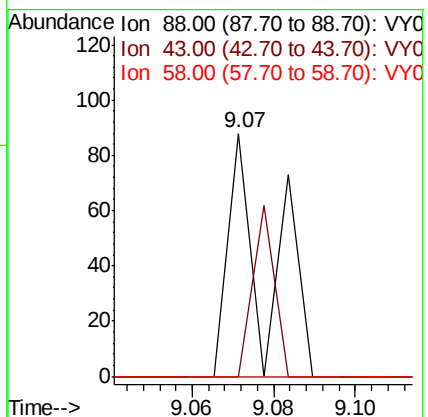
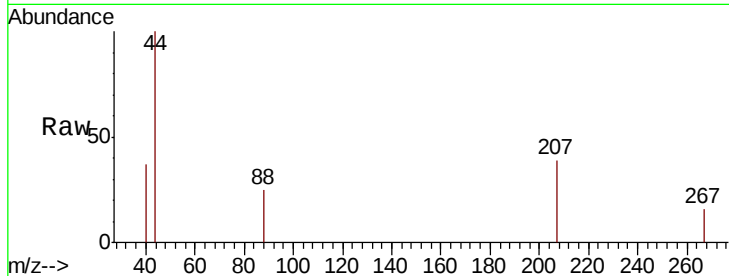




#49
 1,4-Dioxane
 Concen: 2.579 ug/l
 RT: 9.07 min Scan# 1203
 Delta R.T. -0.24 min
 Lab File: VY000381.D
 Acq: 23 Oct 2019 15:14

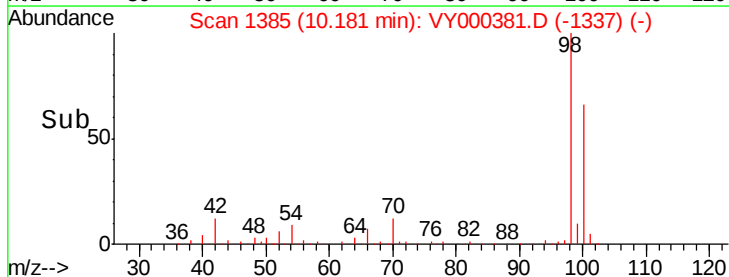
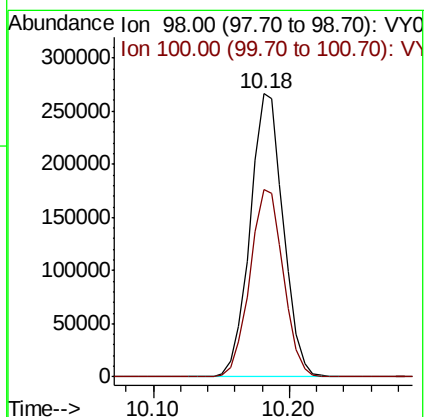
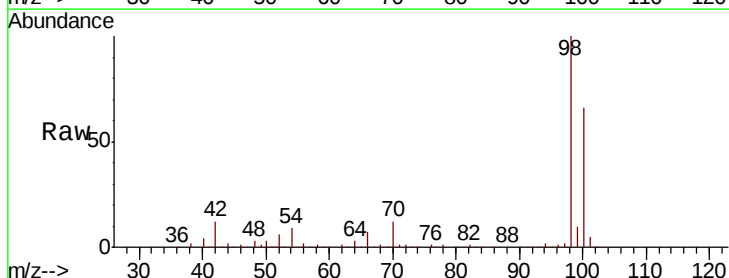
Instrument :
 MSVOA_Y
 ClientSampleID :

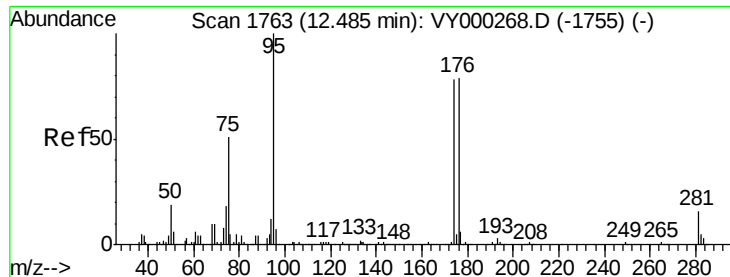
Tot Ion: 88 Resp: 59
 Ion Ratio Lower Upper
 88 100
 43 39.0 25.6 38.4#
 58 0.0 54.6 81.8#



#50
 Toluene-d8
 Concen: 49.918 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: VY000381.D
 Acq: 23 Oct 2019 15:14

Tgt Ion: 98 Resp: 455338
 Ion Ratio Lower Upper
 98 100
 100 66.8 52.8 79.2

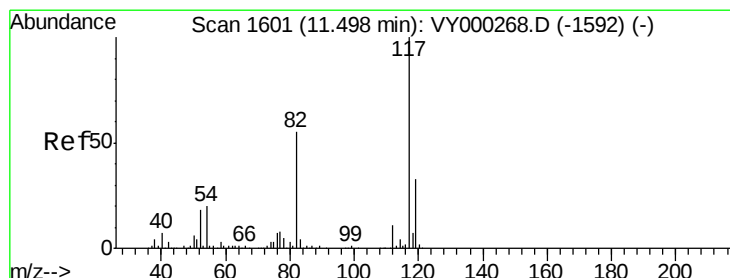
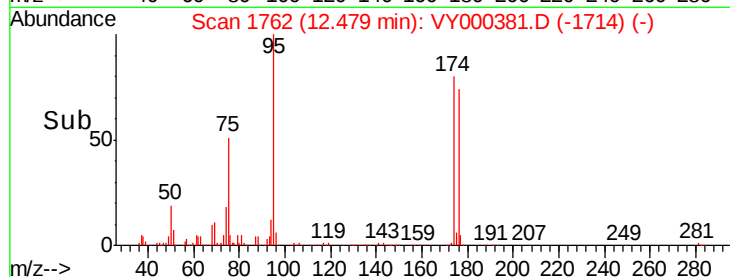
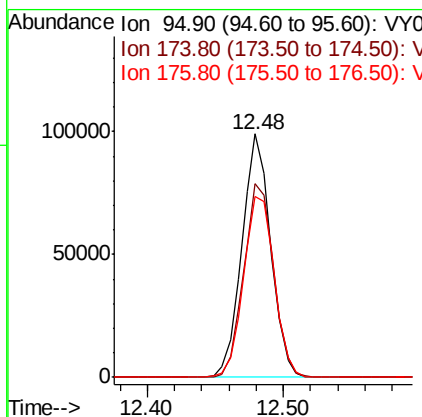
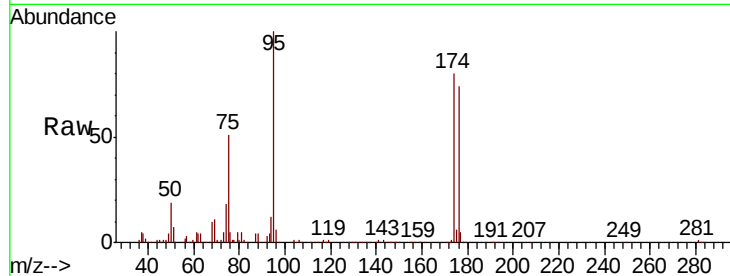




#62
4-Bromofluorobenzene
Concen: 42.131 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

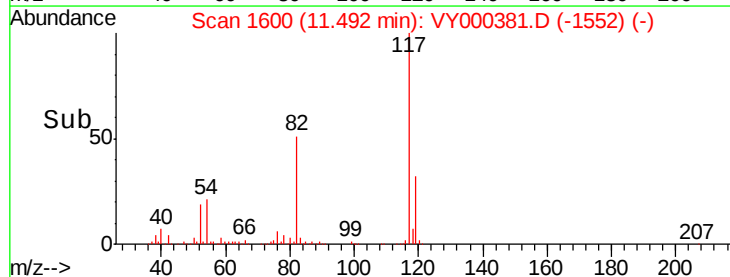
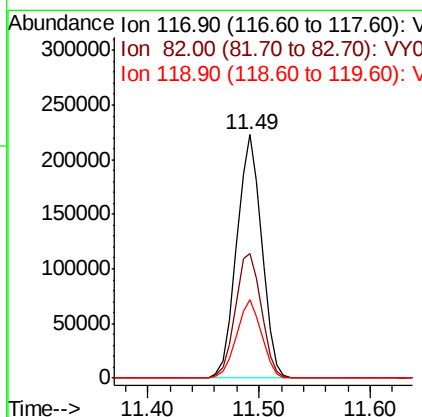
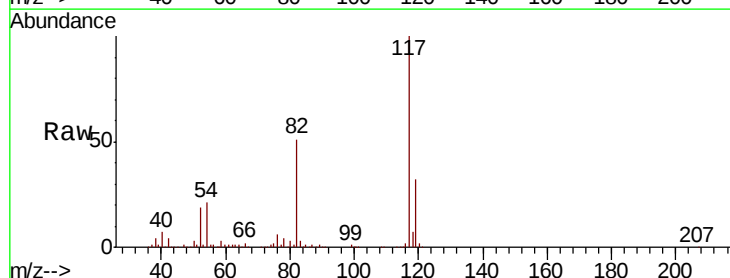
Instrument :
MSVOA_Y
ClientSampled :

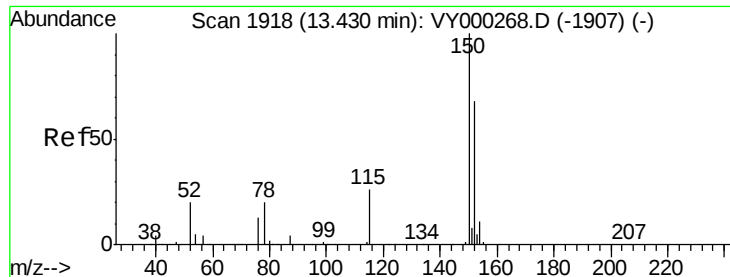
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	159.6
176	79.9	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.7	65.5
119	32.4	26.6	39.8



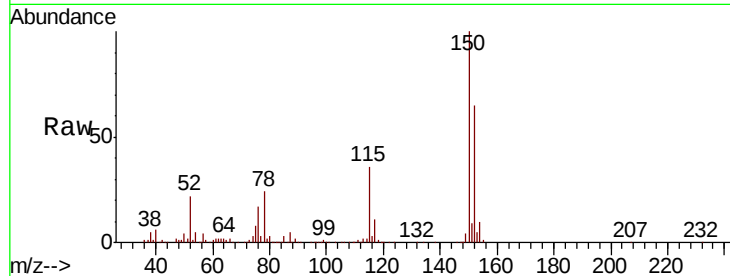


#72

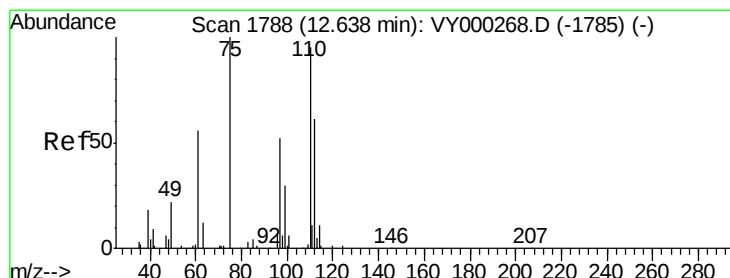
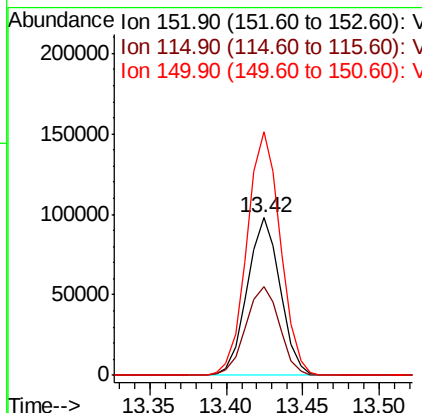
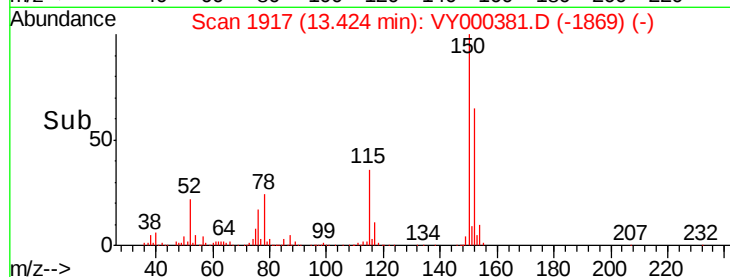
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 146372
Ion Ratio Lower Upper
152 100
115 57.9 29.3 88.0
150 156.9 0.0 348.4



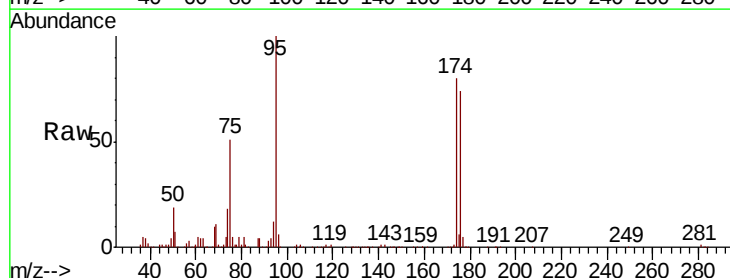
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



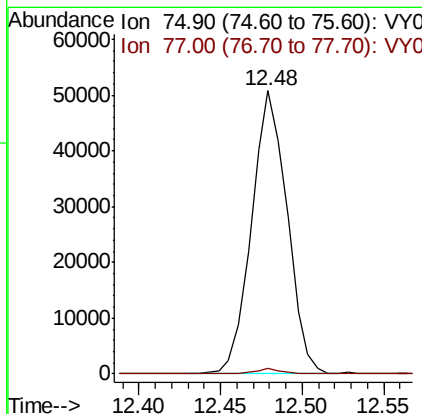
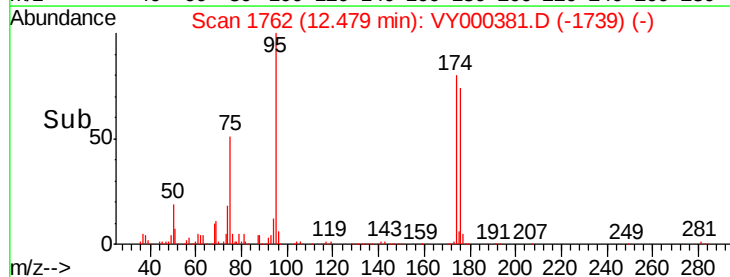
#76

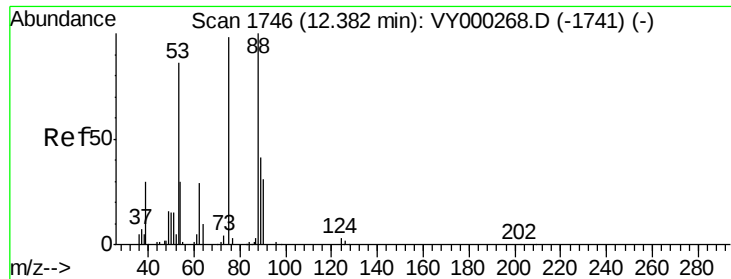
1,2,3-Trichloropropane
Concen: 42.897 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000381.D
Acq: 23 Oct 2019 15:14

Tgt Ion: 75 Resp: 77209
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: 93.857 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000381.D

Acq: 23 Oct 2019 15:14

Instrument :

MSVOA_Y

ClientSampleId :

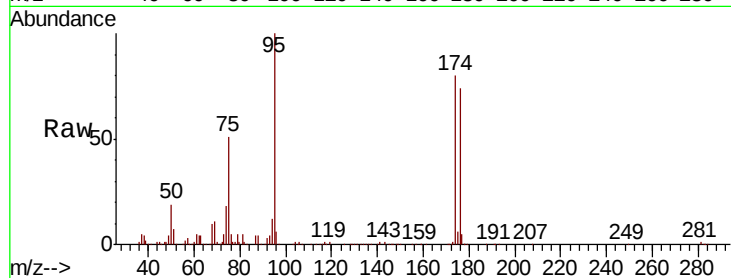
Tot Ion: 75 Resp: 77209

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.2 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

