

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000420.D
 Acq On : 25 Oct 2019 11:33
 Operator : SY/MD
 Sample : VW1025SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:42:40 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	223837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	383271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	333393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151315	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	130862	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	
35) Dibromofluoromethane	7.73	113	112232	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.18	98	443112	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.48	95	147243	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	

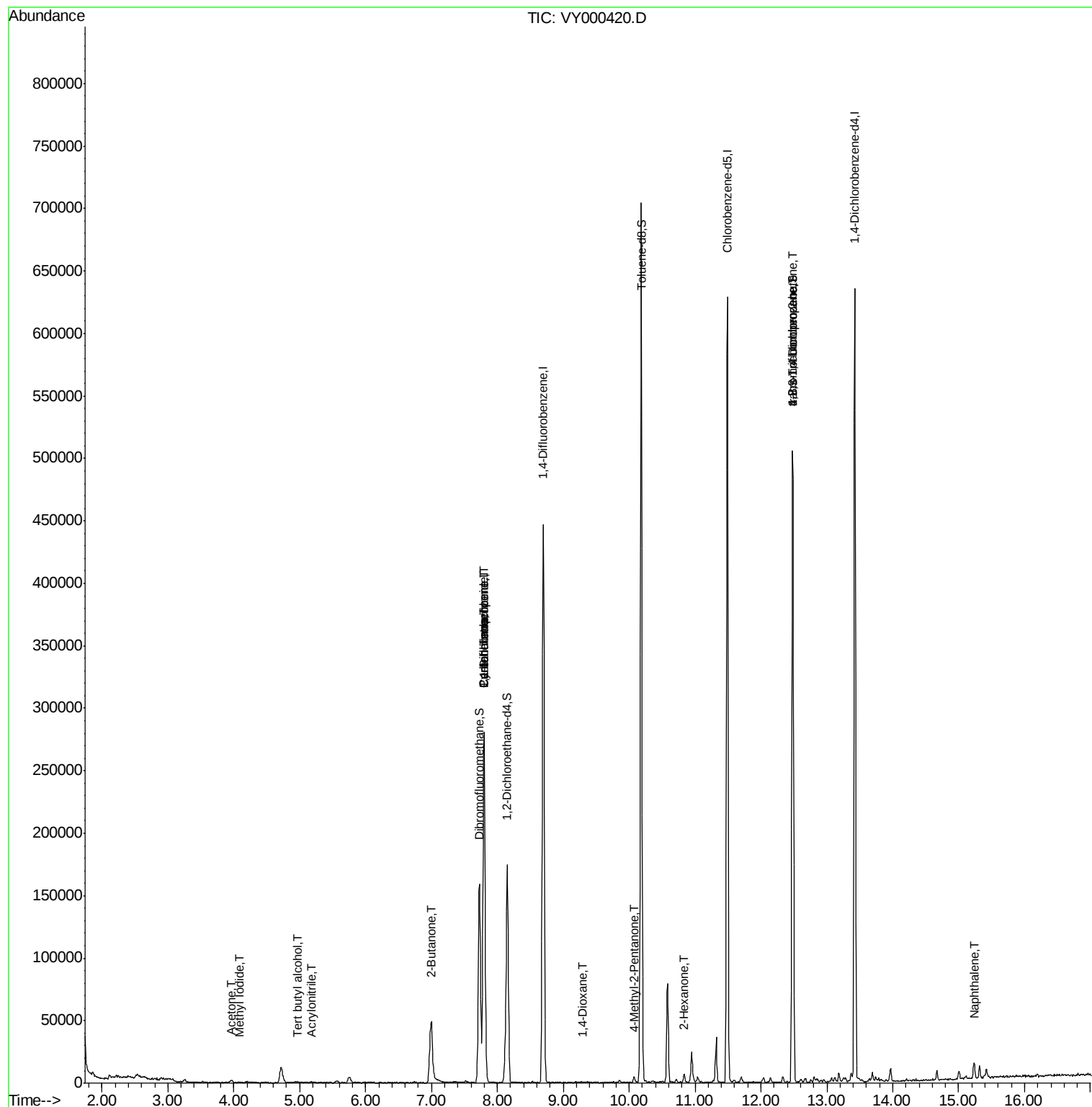
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	316	Below Cal		89
10) Methyl Iodide	4.09	142	378	1.299	ug/l #	69
11) Tert butyl alcohol	4.96	59	483	1.955	ug/l #	73
15) Acrylonitrile	5.18	53	914	1.224	ug/l #	23
16) Acetone	3.96	43	3145	4.113	ug/l	95
20) Methylene Chloride	4.72	84	9104	Below Cal	#	86
25) 2-Butanone	7.00	43	3926	3.645	ug/l #	68
31) Cyclohexane	7.79	56	5332	1.180	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	17983	4.792	ug/l #	48
38) Carbon Tetrachloride	7.80	117	20677	5.691	ug/l #	18
49) 1,4-Dioxane	9.28	88	48	2.152	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	3486	1.600	ug/l #	85
59) 2-Hexanone	10.83	43	4357	2.849	ug/l	93
76) 1,2,3-Trichloropropane	12.48	75	77974	41.907	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	77974	91.690	ug/l #	14
95) Naphthalene	15.23	128	10027	1.379	ug/l	98

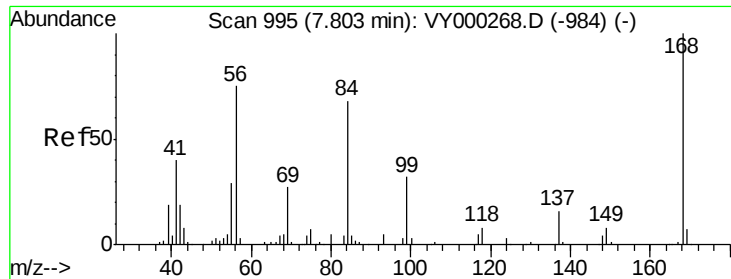
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000420.D

Acq: 25 Oct 2019 11:33

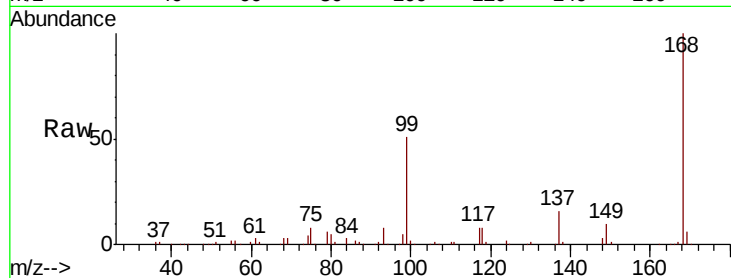
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 223837

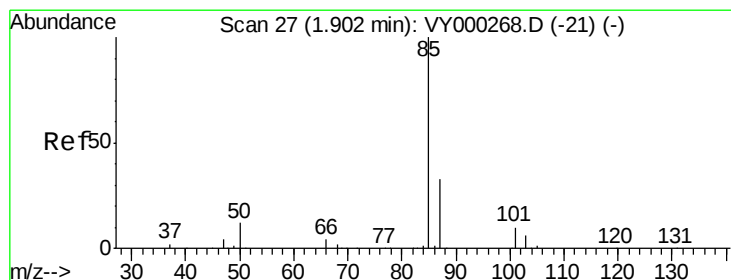
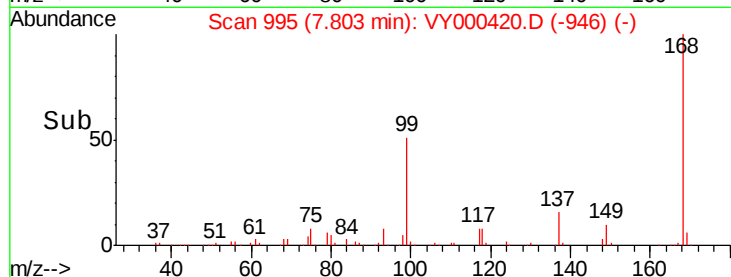
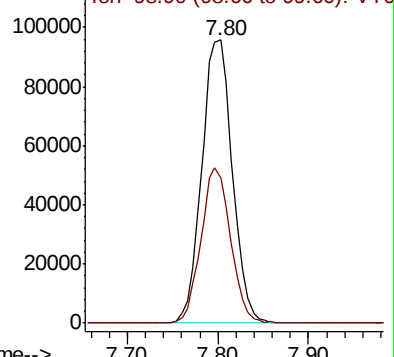
Ion Ratio Lower Upper

168 100

99 51.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000420.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000420.D

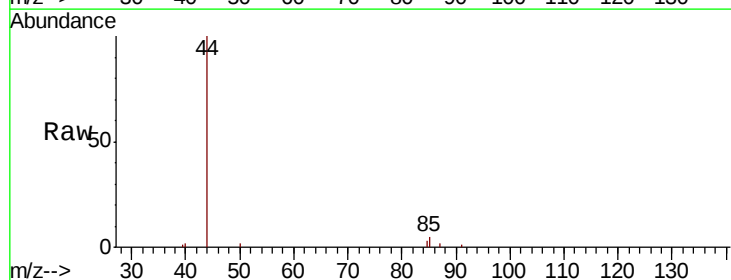
Acq: 25 Oct 2019 11:33

Tgt Ion: 85 Resp: 316

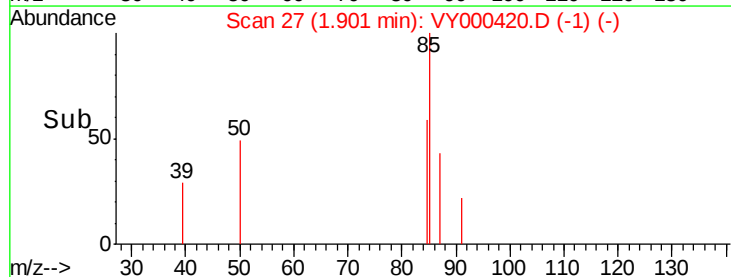
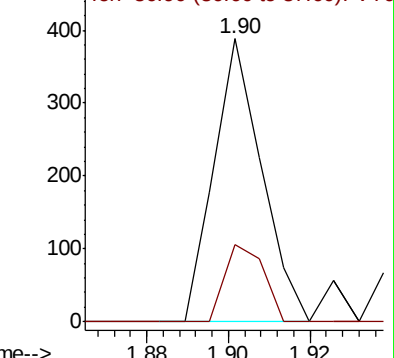
Ion Ratio Lower Upper

85 100

87 27.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000420.D (-1) (-)

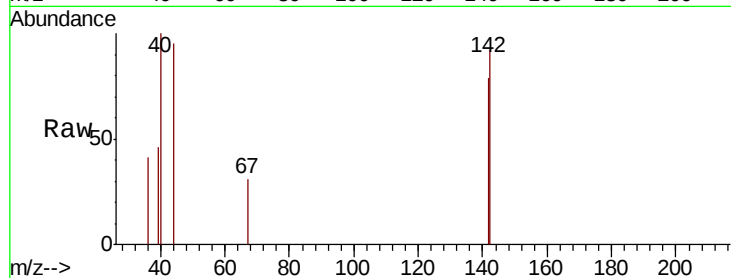




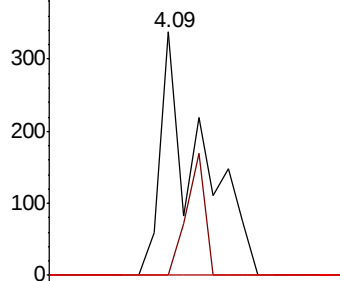
#10
Methvl Iodide
Concen: 1.299 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Instrument :
MSVOA_Y
ClientSampled :

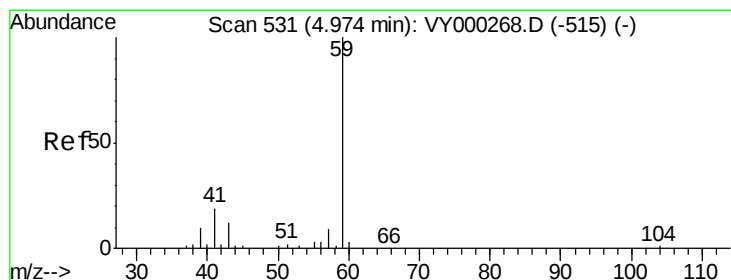
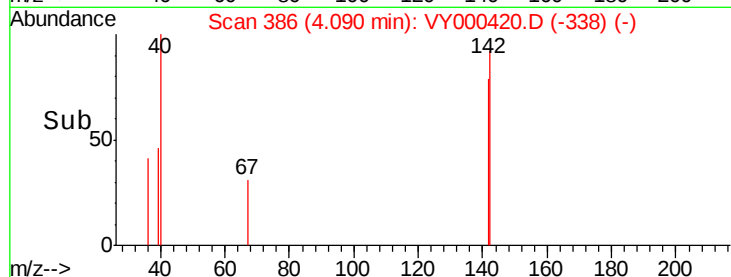
Tot Ion:142 Resp: 378
Ion Ratio Lower Upper
142 100
127 23.3 33.9 50.9#
141 0.0 11.2 16.8#



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

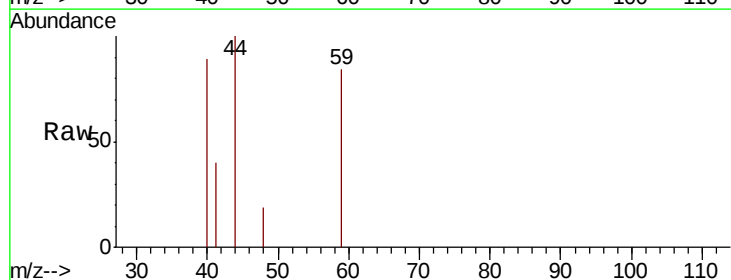


Time--> 4.05 4.10 4.15

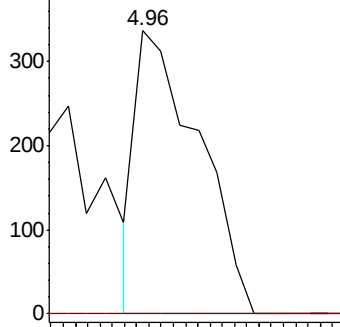


#11
Tert butyl alcohol
Concen: 1.955 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

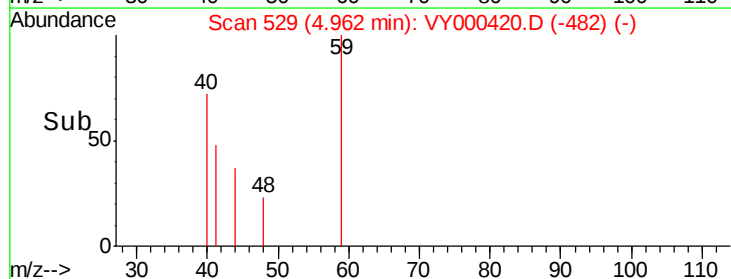
Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

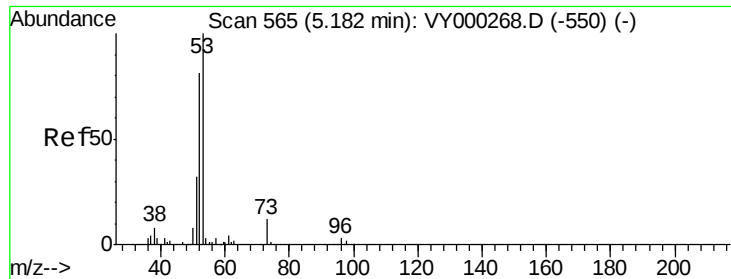


Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0



Time--> 4.94 4.96 4.98 5.00 5.02





#15

Acrylonitrile

Concen: 1.224 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000420.D

Acq: 25 Oct 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

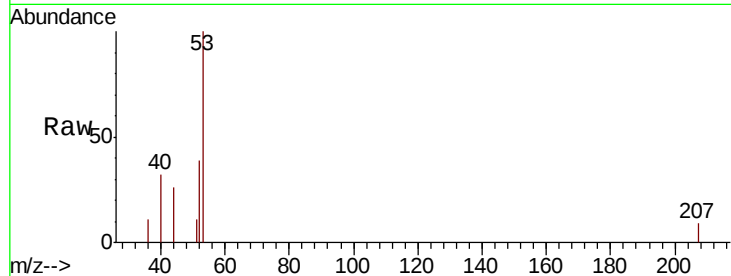
Tot Ion: 53 Resp: 914

Ion Ratio Lower Upper

53 100

52 0.0 62.9 94.3#

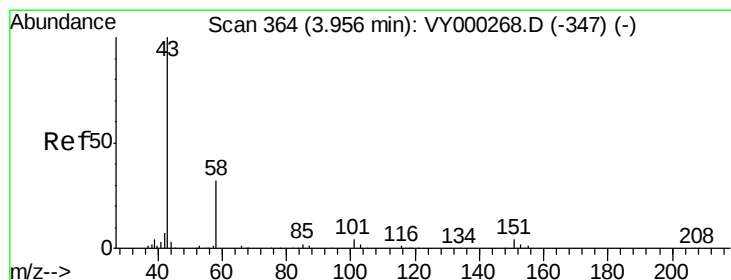
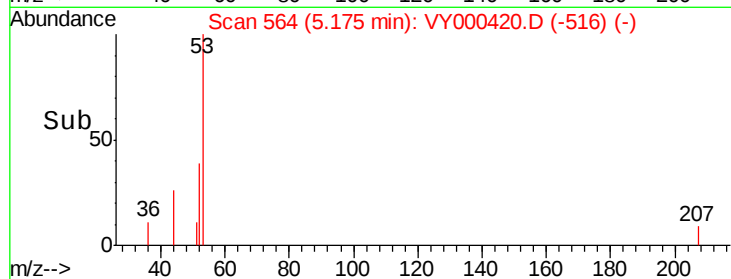
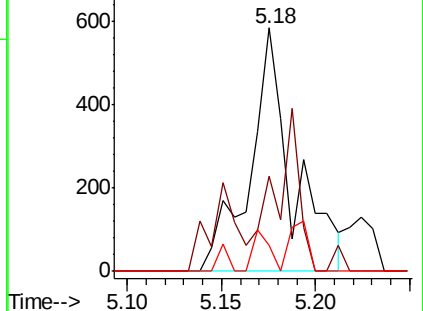
51 6.5 26.9 40.3#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 4.113 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000420.D

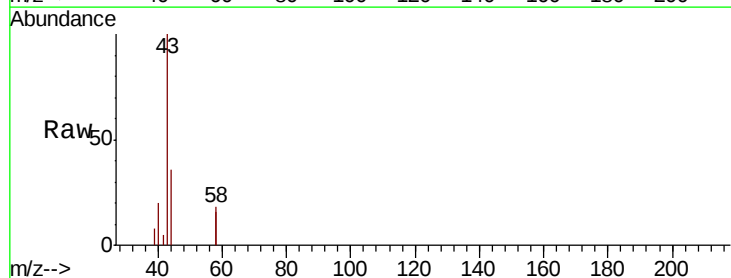
Acq: 25 Oct 2019 11:33

Tgt Ion: 43 Resp: 3145

Ion Ratio Lower Upper

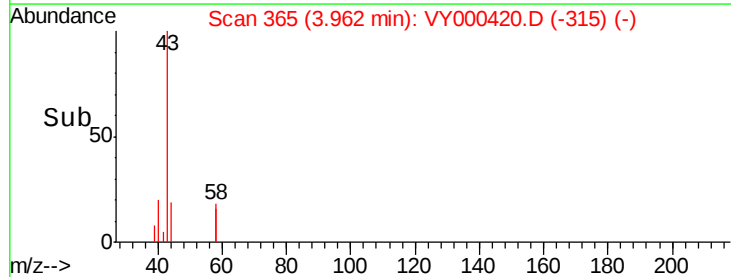
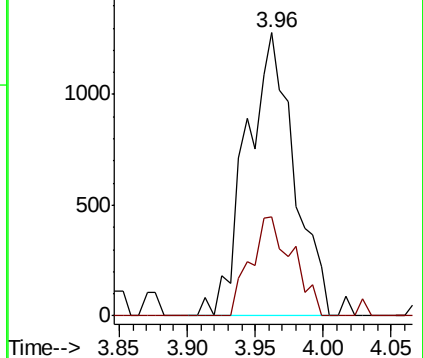
43 100

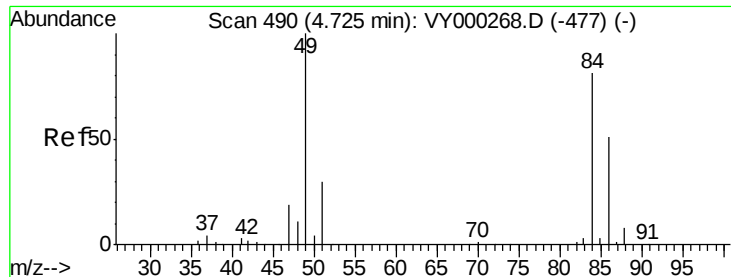
58 34.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

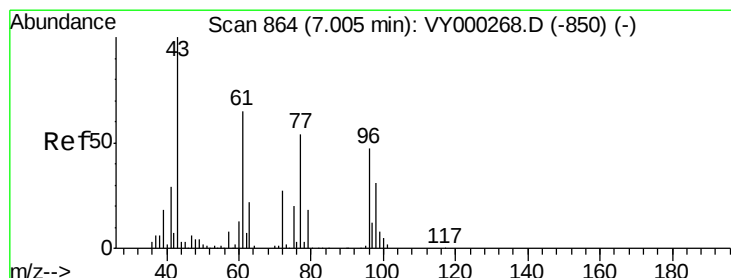
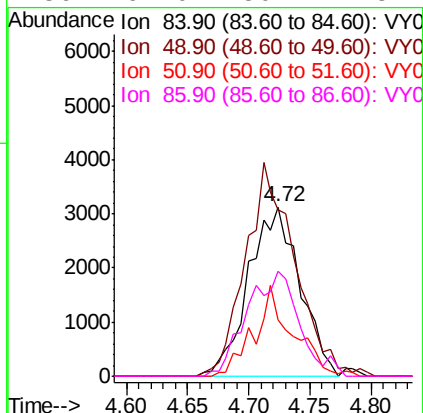
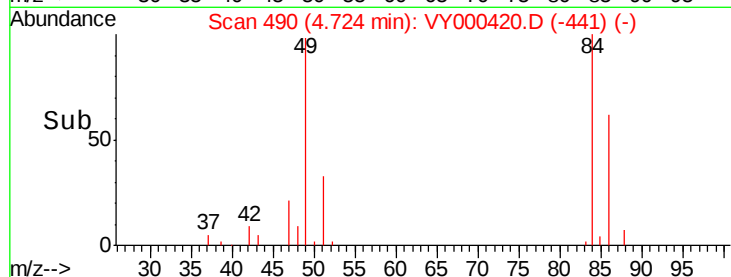
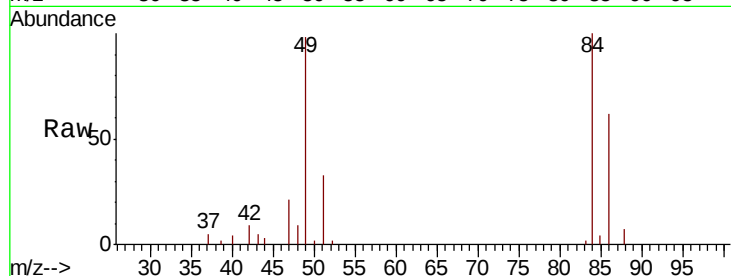




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

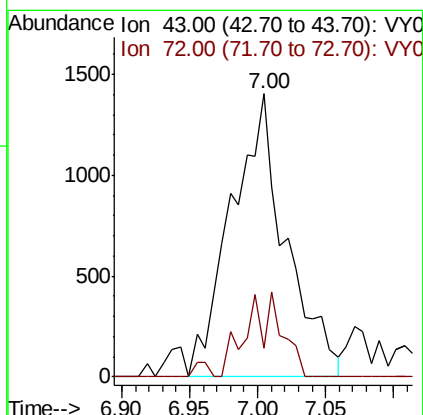
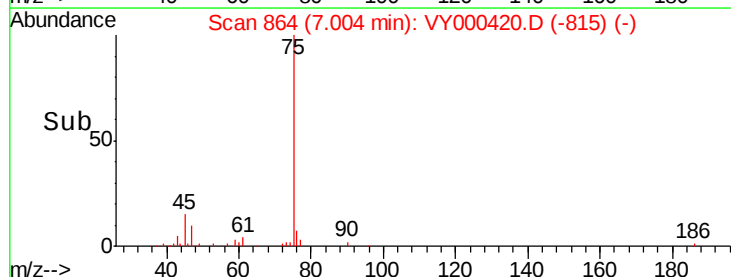
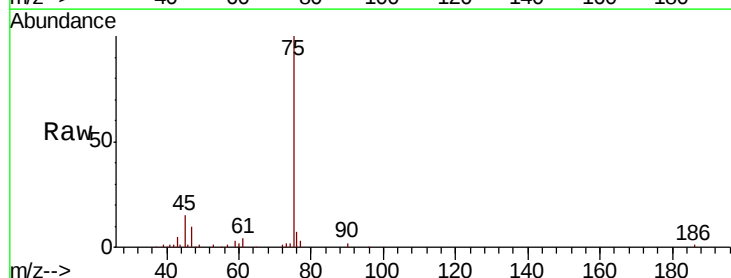
Instrument :
MSVOA_Y
ClientSampleId :

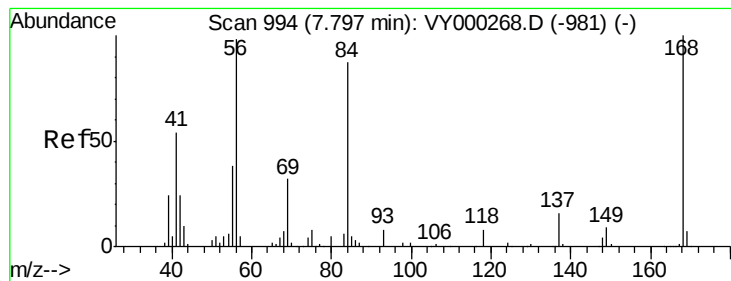
Tot Ion: 84 Resp: 9104
Ion Ratio Lower Upper
84 100
49 98.5 99.0 148.4#
51 33.3 29.3 43.9
86 62.0 50.2 75.4



#25
2-Butanone
Concen: 3.645 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Tgt Ion: 43 Resp: 3926
Ion Ratio Lower Upper
43 100
72 10.2 21.4 32.2#





#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000420.D

Acq: 25 Oct 2019 11:33

Instrument :

MSVOA_Y

ClientSampled :

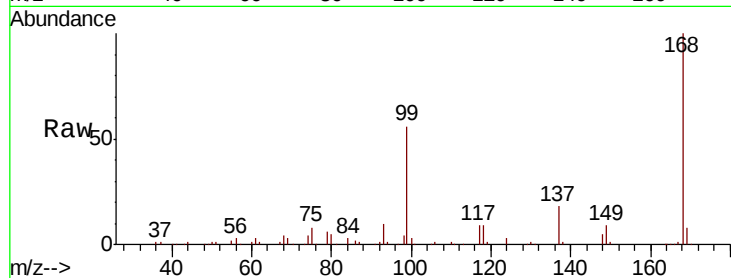
Tot Ion: 56 Resp: 5332

Ion Ratio Lower Upper

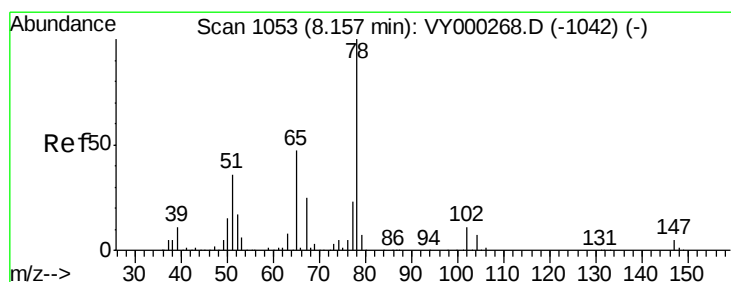
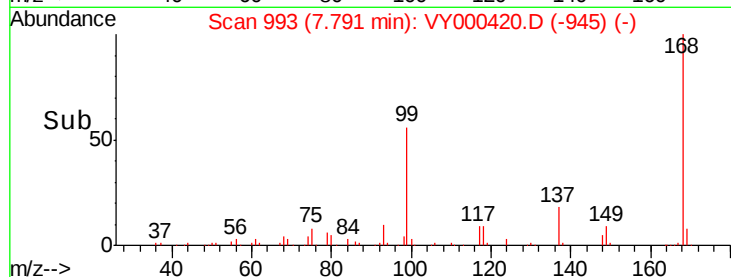
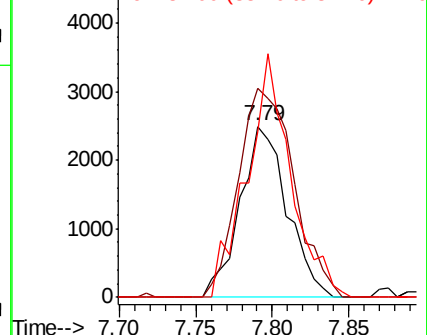
56 100

69 121.8 26.3 39.5#

84 96.5 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: 55.423 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000420.D

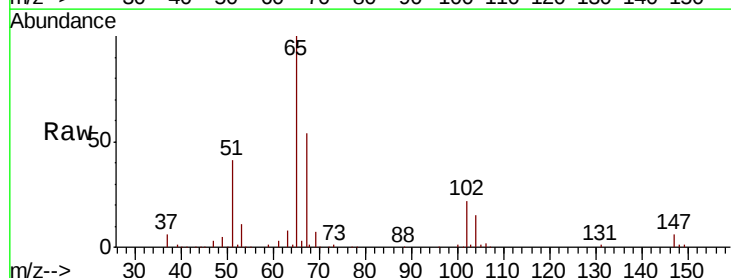
Acq: 25 Oct 2019 11:33

Tgt Ion: 65 Resp: 130862

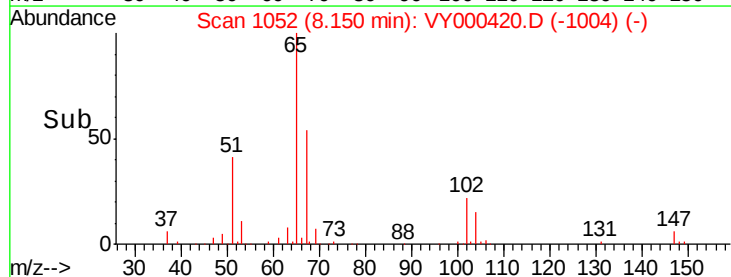
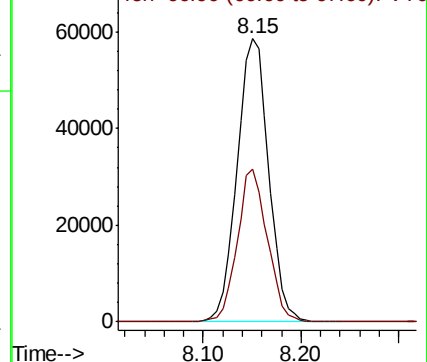
Ion Ratio Lower Upper

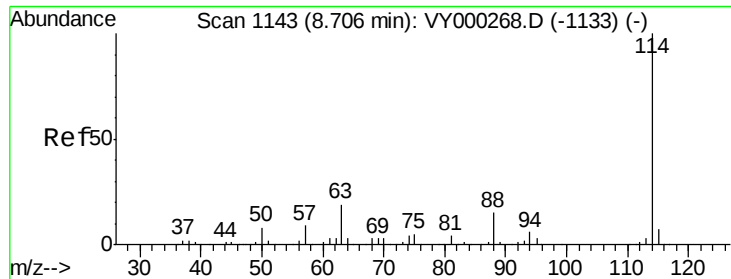
65 100

67 51.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

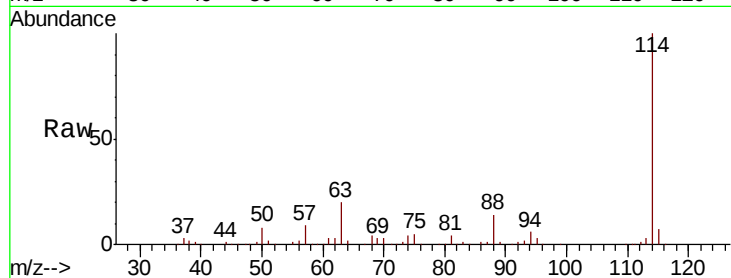




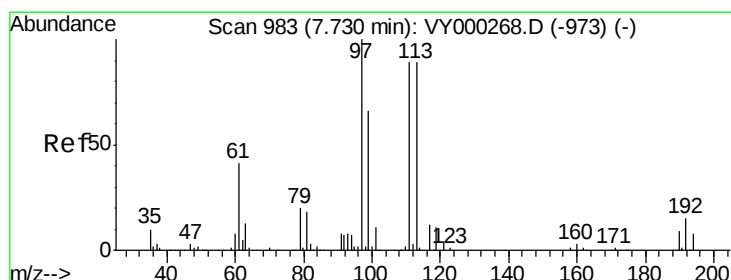
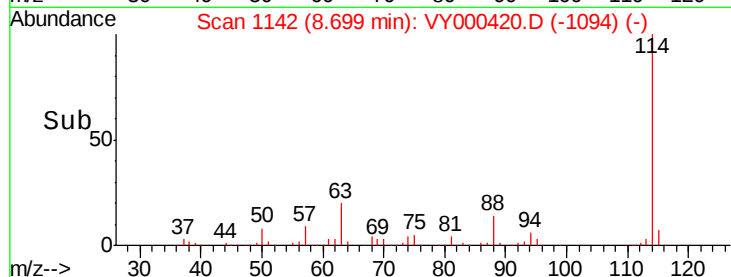
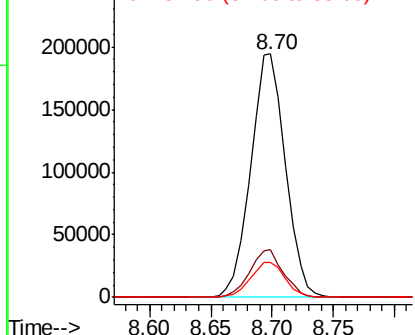
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:114 Resp: 383271
Ion Ratio Lower Upper
114 100
63 19.6 0.0 37.2
88 14.3 0.0 30.2

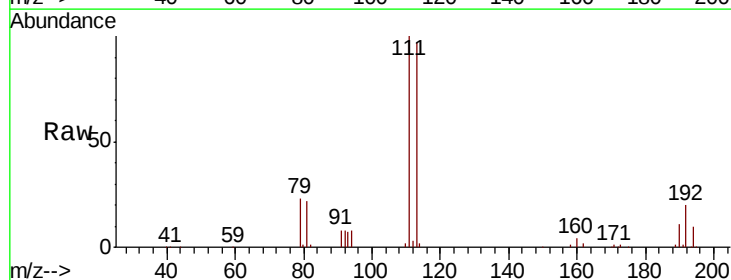


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

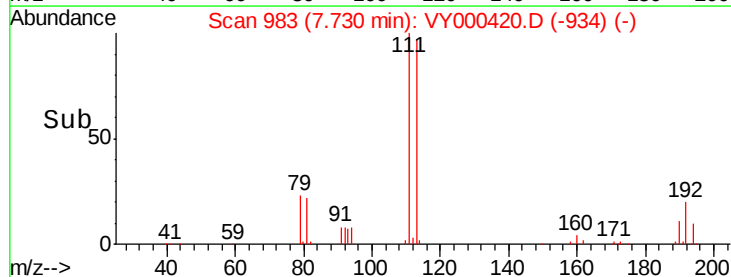
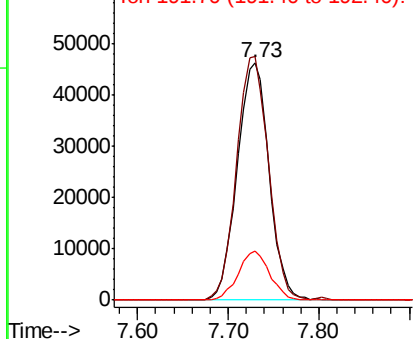


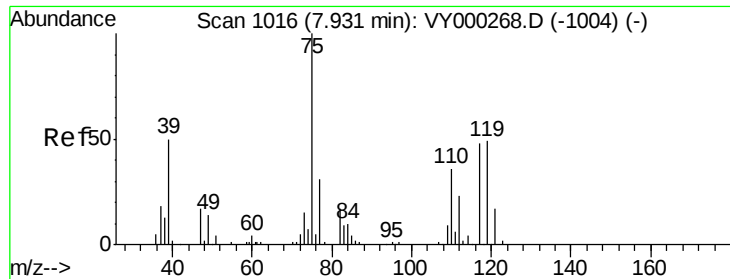
#35
Dibromofluoromethane
Concen: 48.545 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Tgt Ion:113 Resp: 112232
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 20.4 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

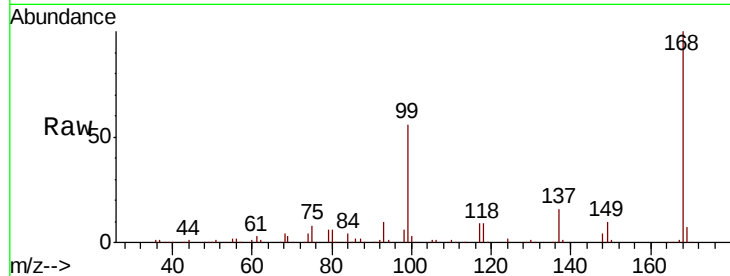




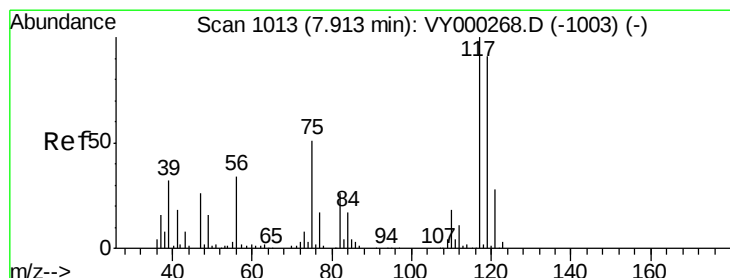
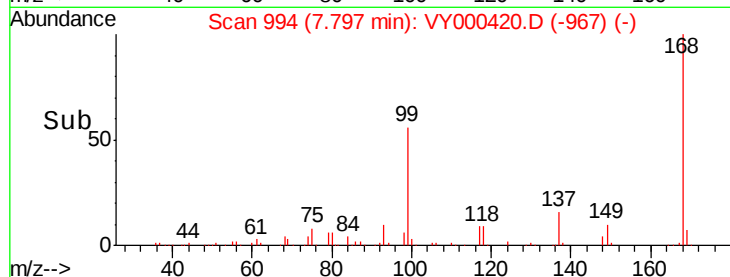
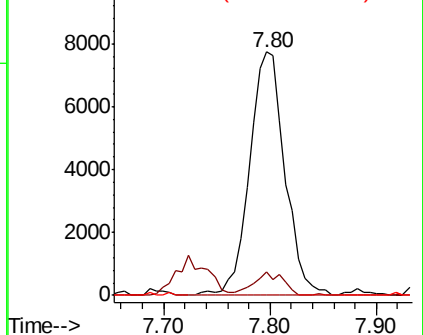
#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000420.D
 Acq: 25 Oct 2019 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	17983
Ion Ratio	Lower	Upper	
75	100		
110	8.1	18.4	55.4#
77	0.0	25.0	37.6#

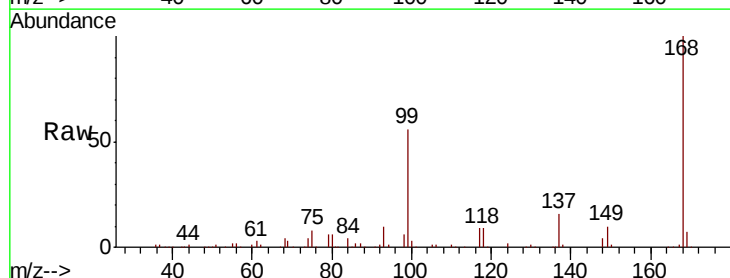


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

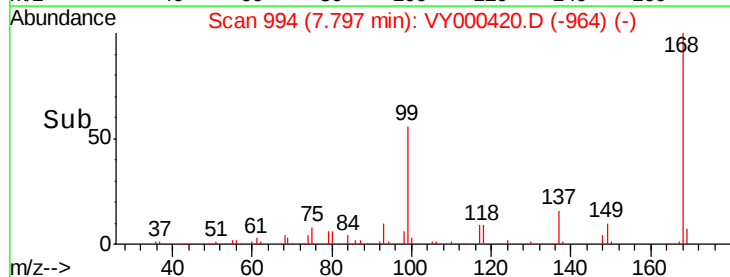
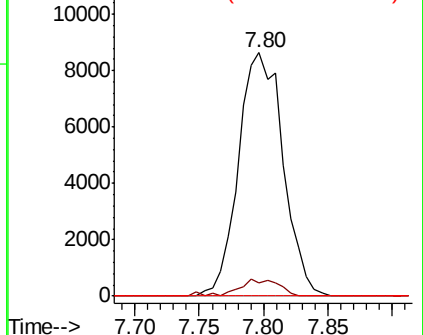


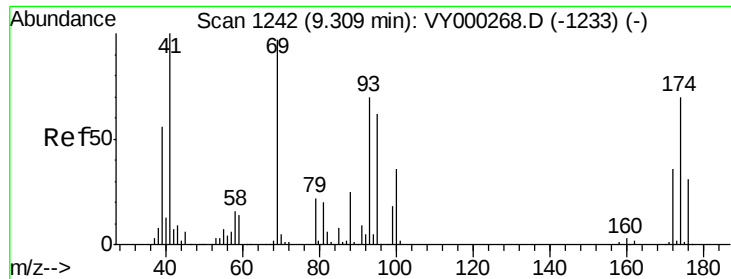
#38
 Carbon Tetrachloride
 Concen: 5.691 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000420.D
 Acq: 25 Oct 2019 11:33

Tgt Ion	117	Resp	20677
Ion Ratio	Lower	Upper	
117	100		
119	5.3	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





#49

1,4-Dioxane

Concen: 2.152 ug/l

RT: 9.28 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VY000420.D

Acq: 25 Oct 2019 11:33

Instrument :
MSVOA_Y
ClientSampled :

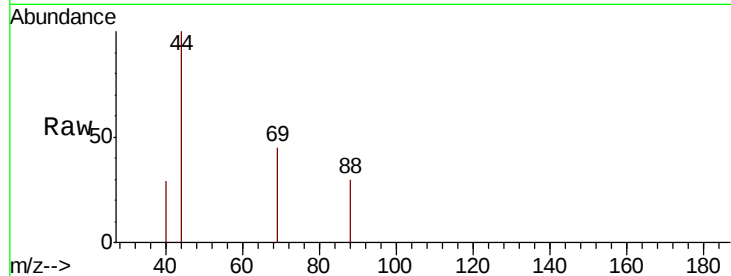
Tot Ion: 88 Resp: 48

Ion Ratio Lower Upper

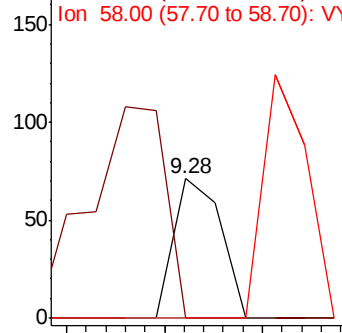
88 100

43 243.8 25.6 38.4#

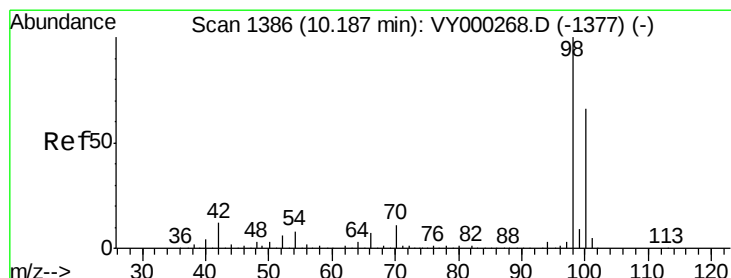
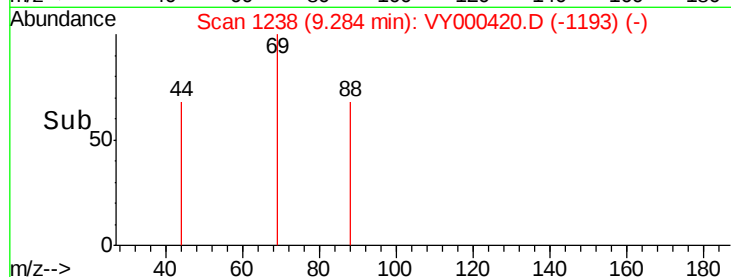
58 0.0 54.6 81.8#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



Time-->



#50

Toluene-d8

Concen: 49.825 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000420.D

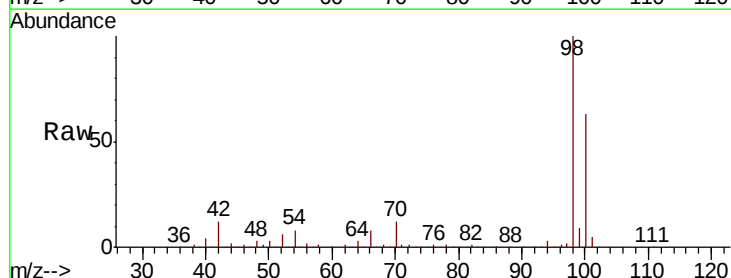
Acq: 25 Oct 2019 11:33

Tgt Ion: 98 Resp: 443112

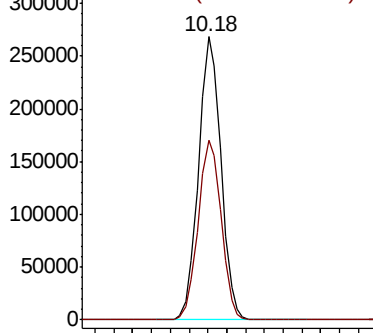
Ion Ratio Lower Upper

98 100

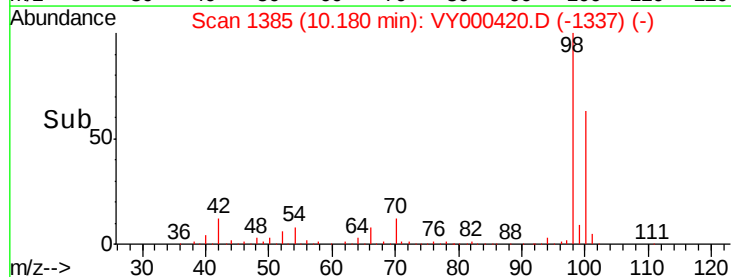
100 65.2 52.8 79.2

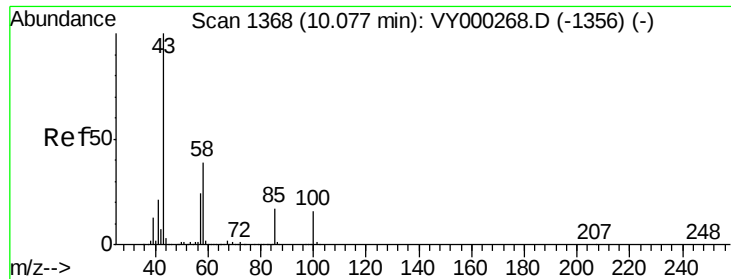


Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.600 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000420.D

Acq: 25 Oct 2019 11:33

Instrument :

MSVOA_Y

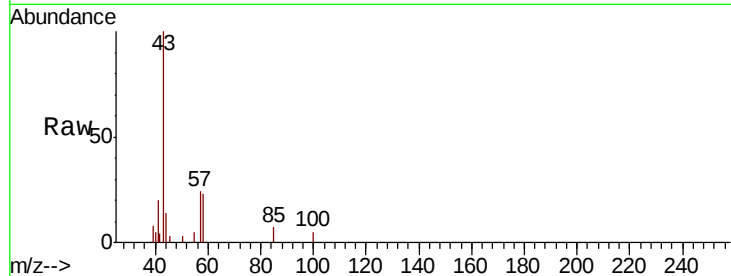
ClientSampleId :

Tot Ion: 43 Resp: 3486

Ion Ratio Lower Upper

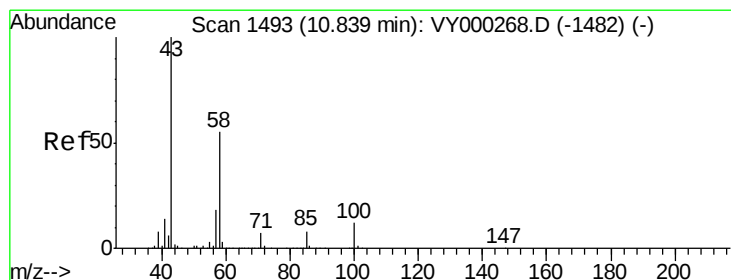
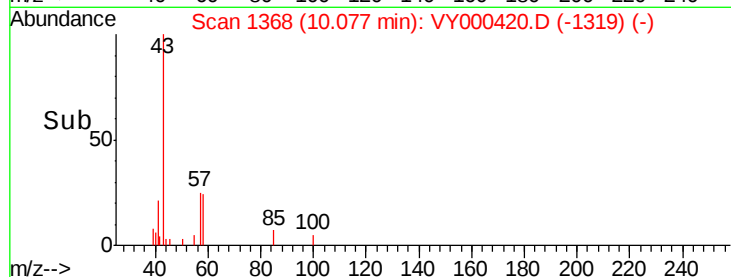
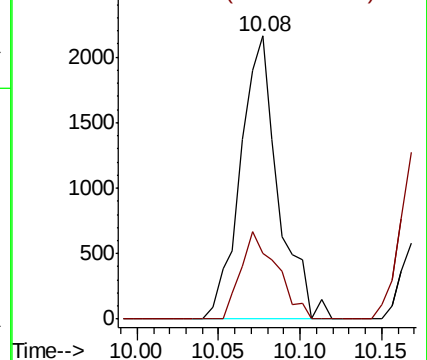
43 100

58 29.7 31.0 46.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#59

2-Hexanone

Concen: 2.849 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VY000420.D

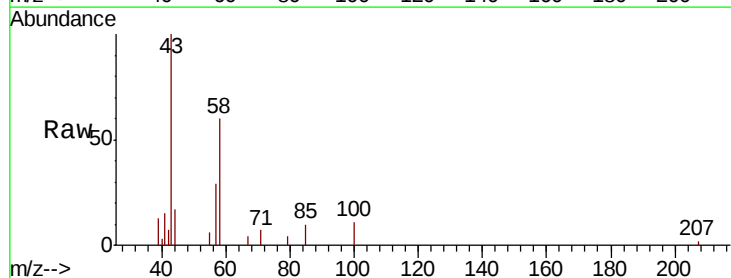
Acq: 25 Oct 2019 11:33

Tgt Ion: 43 Resp: 4357

Ion Ratio Lower Upper

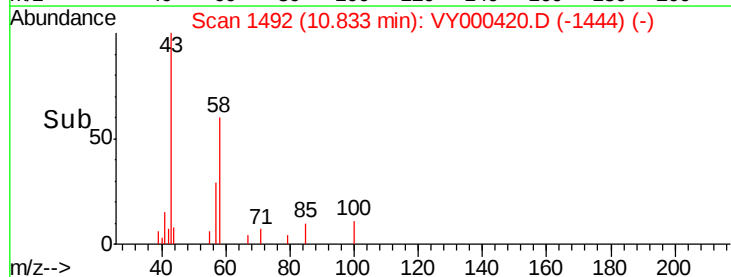
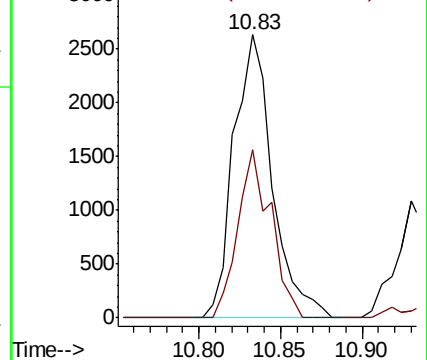
43 100

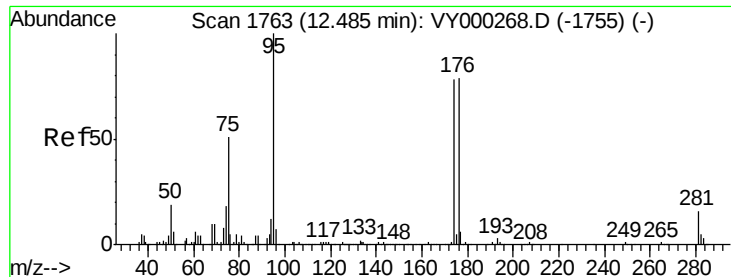
58 50.7 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

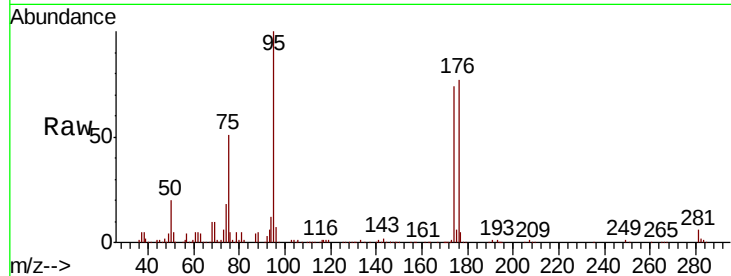




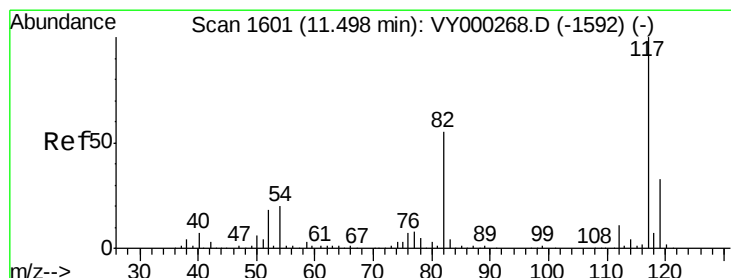
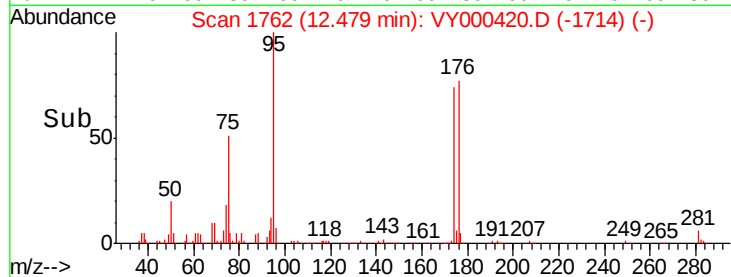
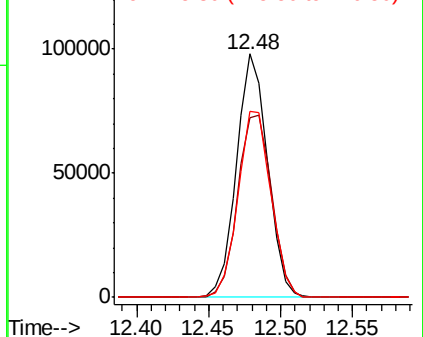
#62
4-Bromofluorobenzene
Concen: 43.580 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 95 Resp: 147243
Ion Ratio Lower Upper
95 100
174 81.8 0.0 159.6
176 80.9 0.0 153.8

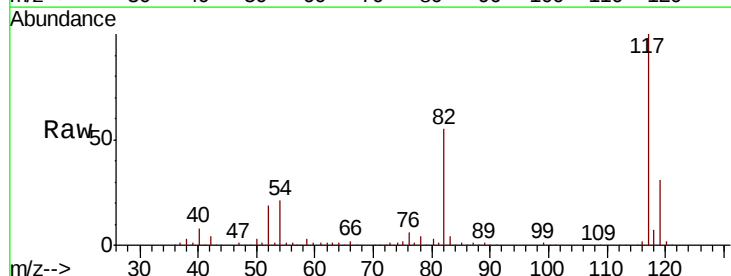


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

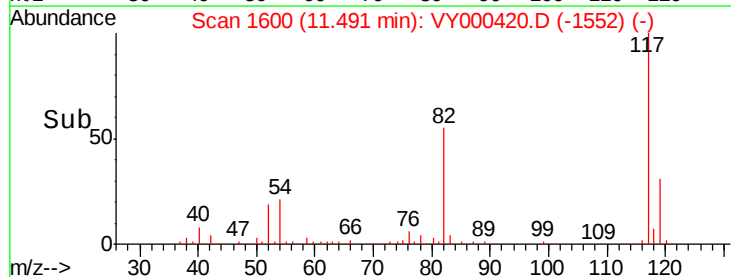
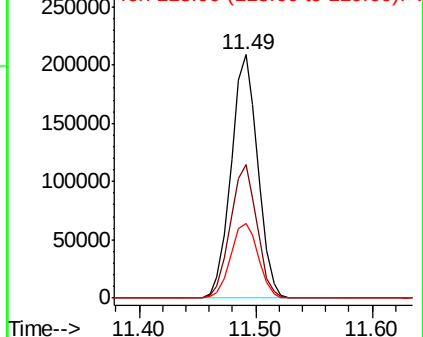


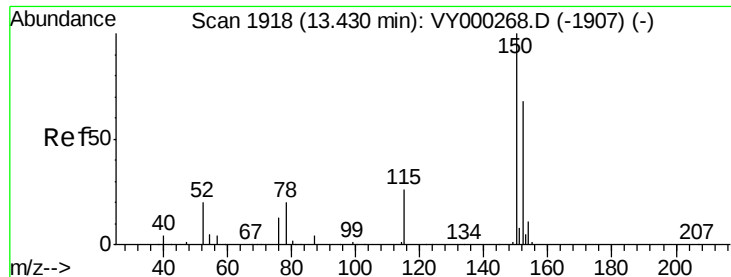
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Tgt Ion: 117 Resp: 333393
Ion Ratio Lower Upper
117 100
82 54.9 43.7 65.5
119 30.9 26.6 39.8



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



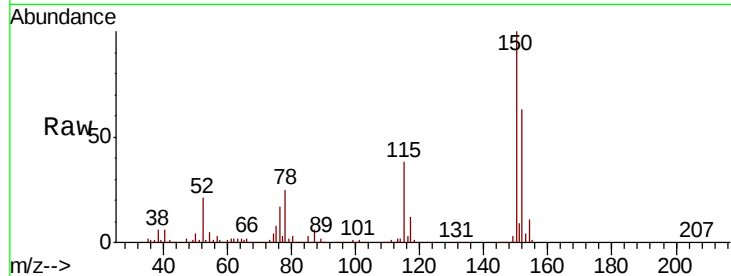


#72

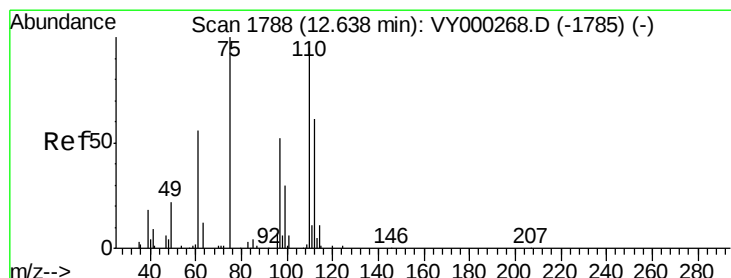
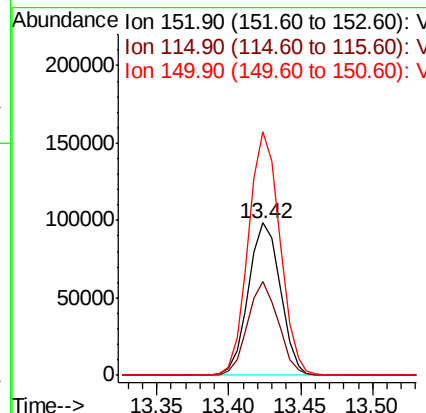
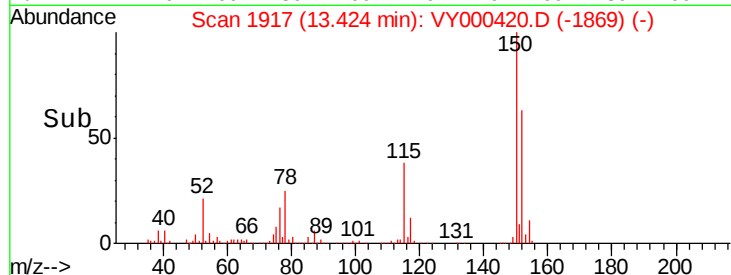
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.3	88.0
150	157.4	0.0	348.4



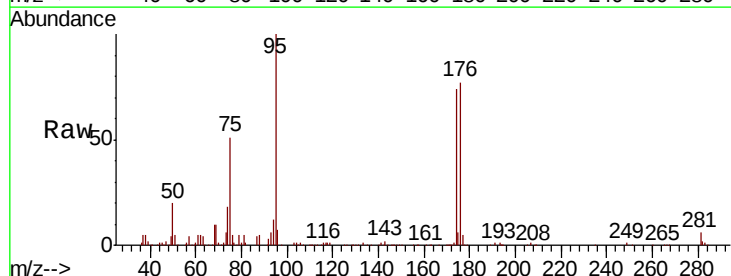
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



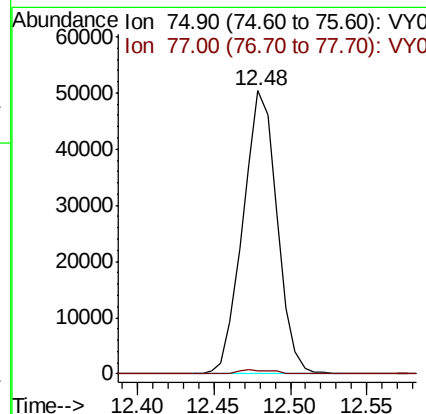
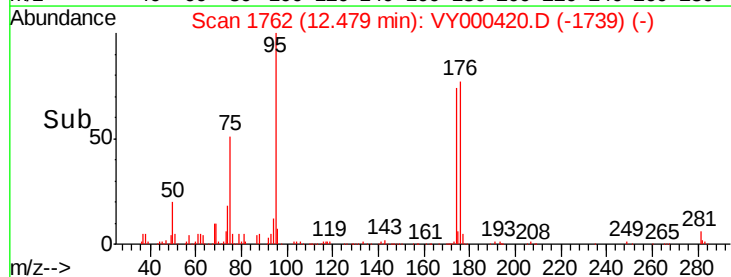
#76

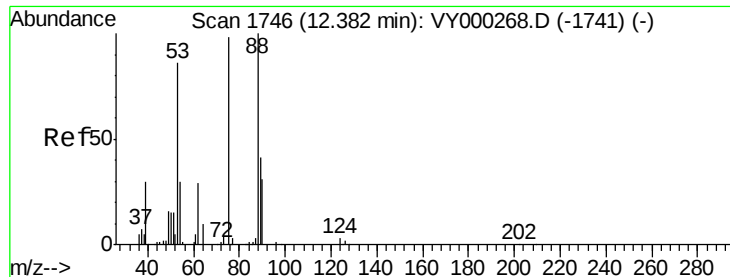
1,2,3-Trichloropropane
Concen: 41.907 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000420.D
Acq: 25 Oct 2019 11:33

Tgt 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: 91.690 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000420.D

Acq: 25 Oct 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

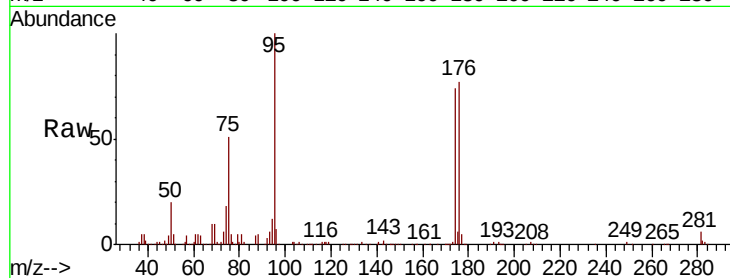
Tot Ion: 75 Resp: 77974

Ion Ratio Lower Upper

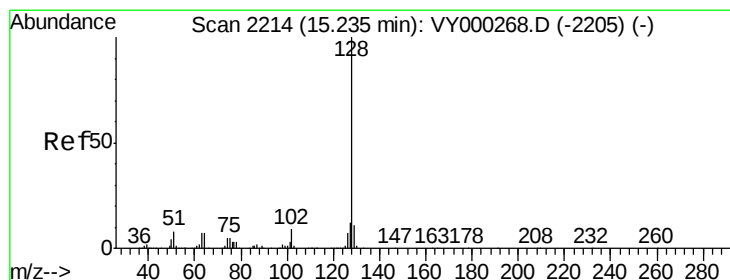
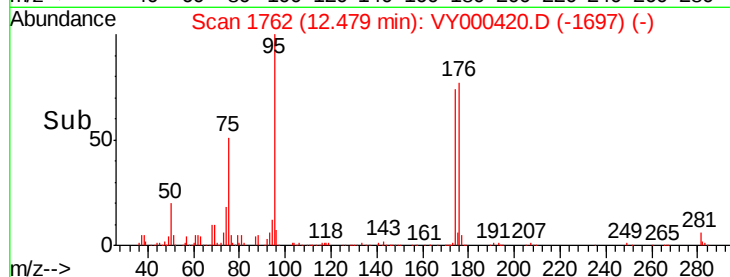
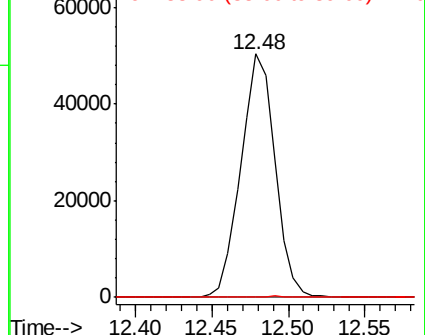
75 100

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



#95

Naphthalene

Concen: 1.379 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000420.D

Acq: 25 Oct 2019 11:33

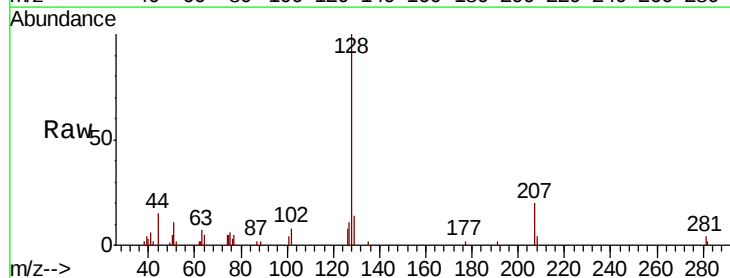
Tgt Ion:128 Resp: 10027

Ion Ratio Lower Upper

128 100

127 10.7 9.6 14.4

129 10.8 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

