

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000820.D
 Acq On : 27 Nov 2019 15:40
 Operator : SY/MD
 Sample : BLANK TEST
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 28 22:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	245146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	464797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172074	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	138696	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.73	113	137786	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.18	98	558939	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.48	95	180373	44.35	ug/l	0.00
Spiked Amount			Recovery	=	88.70%	

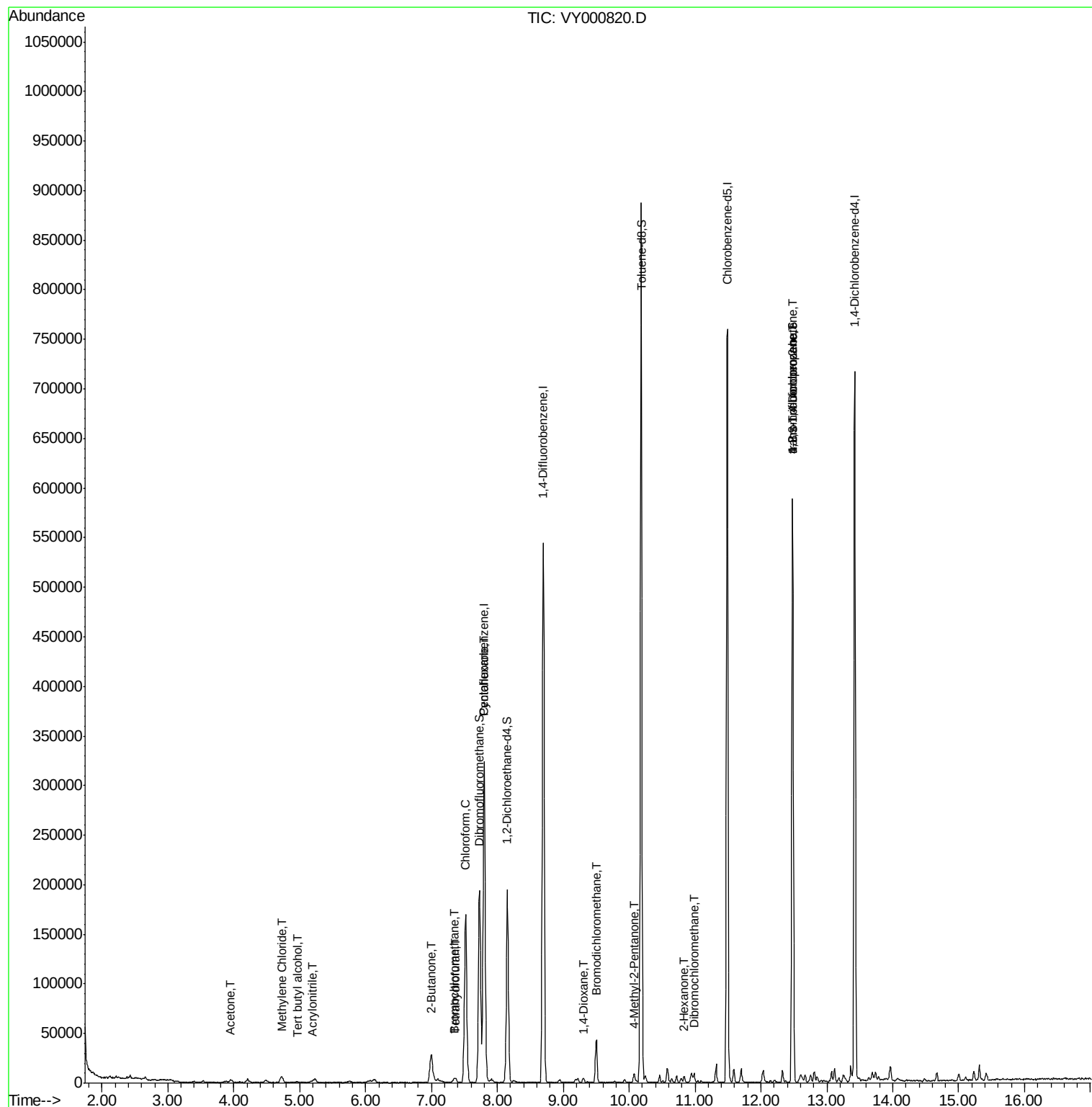
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	916	3.495	ug/l #	74
15) Acrylonitrile	5.18	53	2112	2.473	ug/l #	84
16) Acetone	3.96	43	4969	8.316	ug/l #	82
20) Methylene Chloride	4.73	84	4700	1.492	ug/l	85
25) 2-Butanone	7.01	43	4284	3.881	ug/l #	88
28) Bromochloromethane	7.34	49	1569	2.802	ug/l #	73
29) Tetrahydrofuran	7.36	42	2297	3.140	ug/l #	79
30) Chloroform	7.52	83	167937	32.065	ug/l	96
31) Cyclohexane	7.80	56	6705	1.212	ug/l #	18
47) Bromodichloromethane	9.50	83	28565	6.883	ug/l #	91
49) 1,4-Dioxane	9.31	88	205	8.189	ug/l #	76
51) 4-Methyl-2-Pentanone	10.07	43	7642	2.941	ug/l #	84
59) 2-Hexanone	10.83	43	4124	2.178	ug/l	97
60) Dibromochloromethane	10.99	129	3803	1.353	ug/l	86
76) 1,2,3-Trichloropropane	12.48	75	93886	48.157	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93886	94.594	ug/l #	17

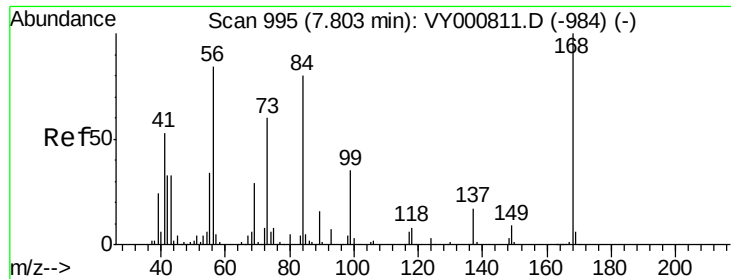
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000820.D

Acq: 27 Nov 2019 15:40

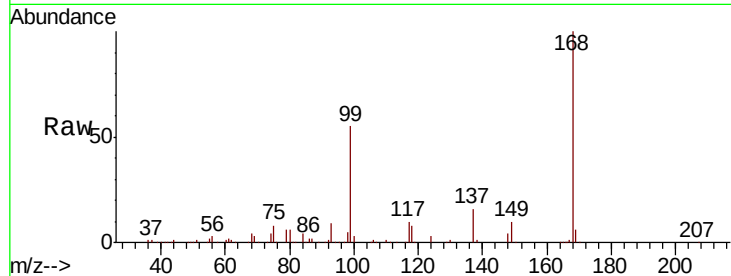
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 245146

Ion Ratio Lower Upper

168 100

99 55.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000820.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000820.D (-946) (-)

7.80

120000

100000

80000

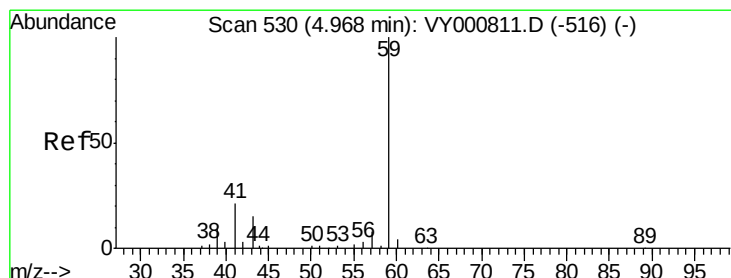
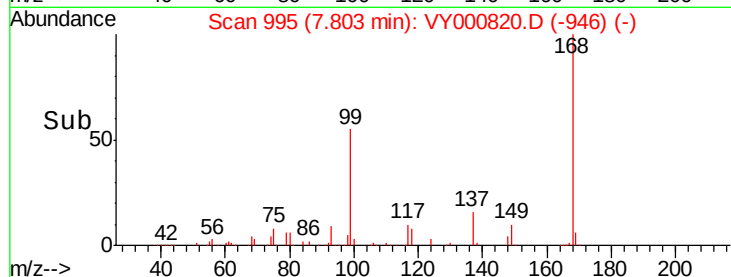
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.495 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000820.D

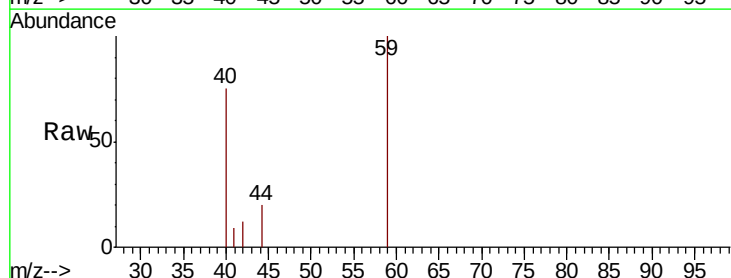
Acq: 27 Nov 2019 15:40

Tgt Ion: 59 Resp: 916

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000820.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000820.D (-481) (-)

4.97

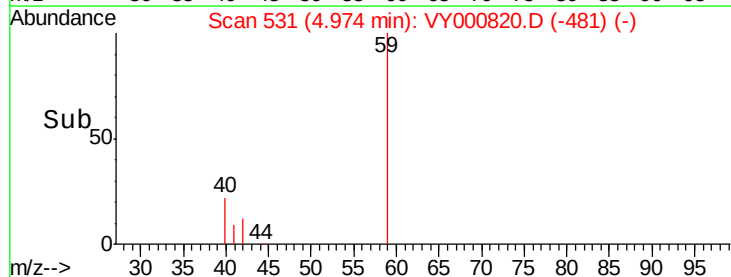
600

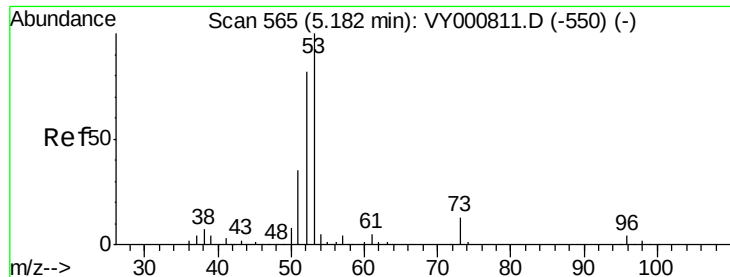
400

200

0

Time-->





#15

Acrylonitrile

Concen: 2.473 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY000820.D

Acq: 27 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampled :

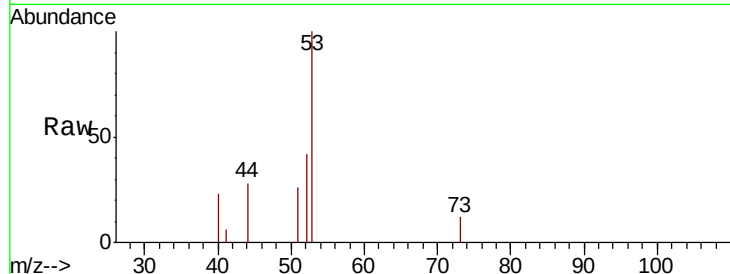
Tot Ion: 53 Resp: 2112

Ion Ratio Lower Upper

53 100

52 63.4 65.1 97.7#

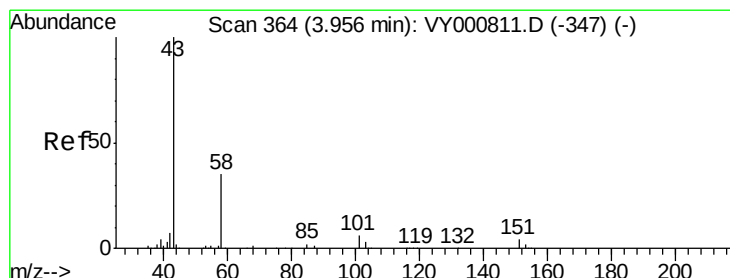
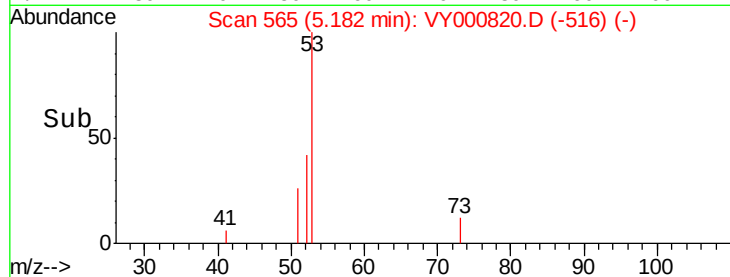
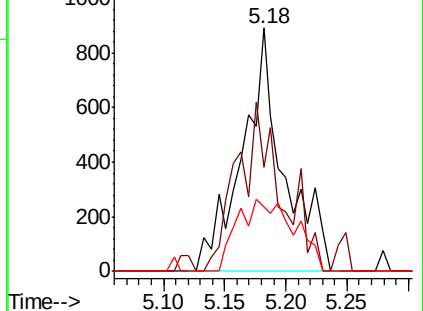
51 40.1 29.0 43.4



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: 8.316 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000820.D

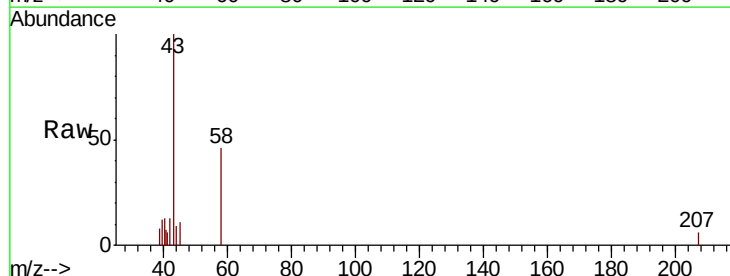
Acq: 27 Nov 2019 15:40

Tgt Ion: 43 Resp: 4969

Ion Ratio Lower Upper

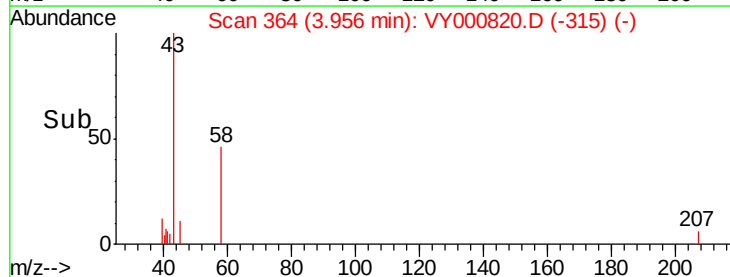
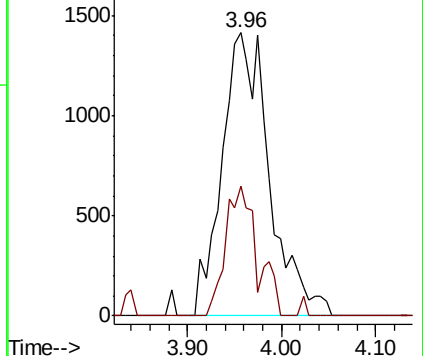
43 100

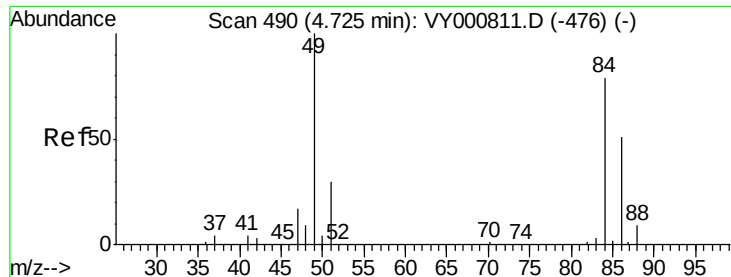
58 45.7 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

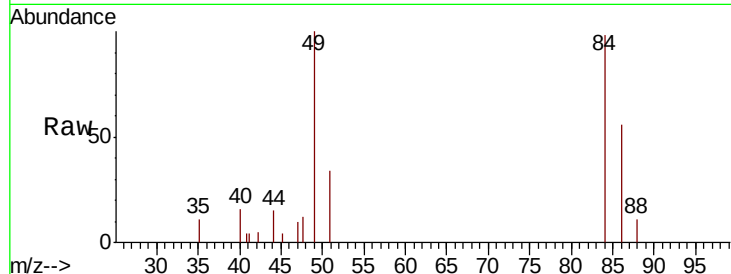




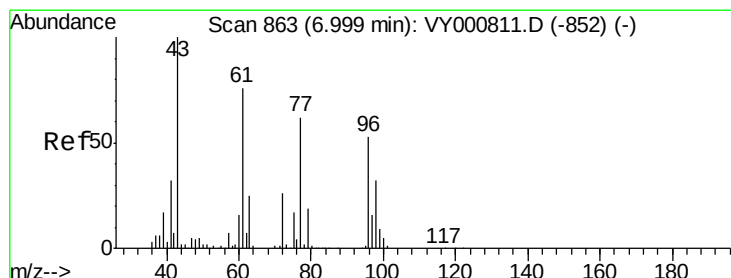
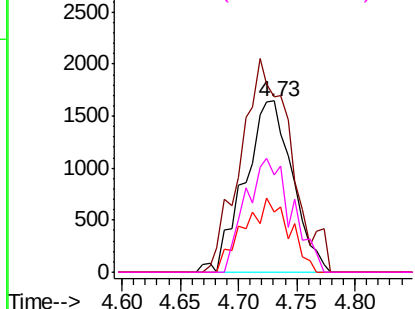
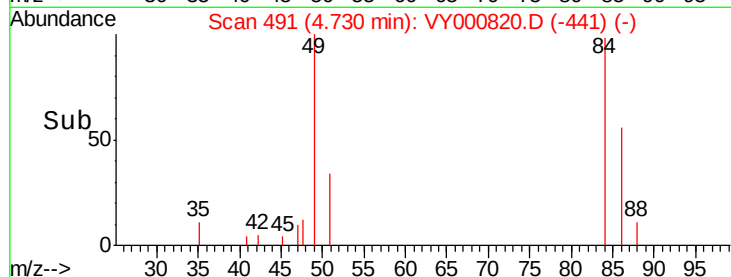
#20
Methylene Chloride
Concen: 1.492 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 4700
Ion Ratio Lower Upper
84 100
49 102.2 101.3 151.9
51 34.9 30.6 45.8
86 57.2 51.3 76.9

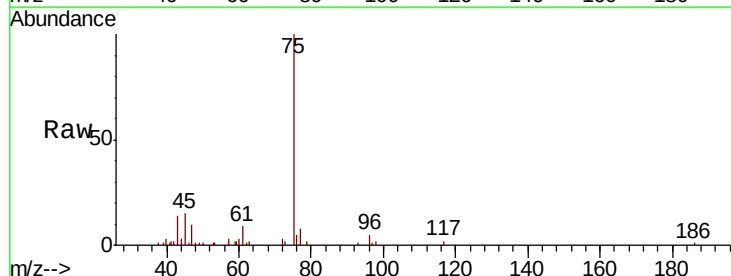


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

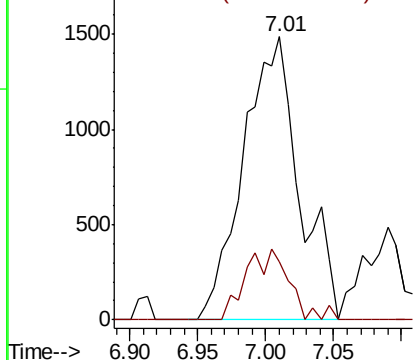
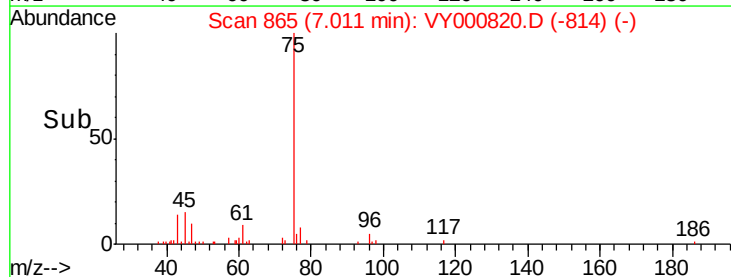


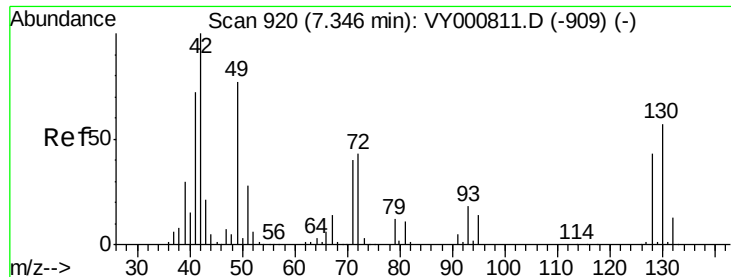
#25
2-Butanone
Concen: 3.881 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Tgt Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
72 20.3 21.0 31.4#



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

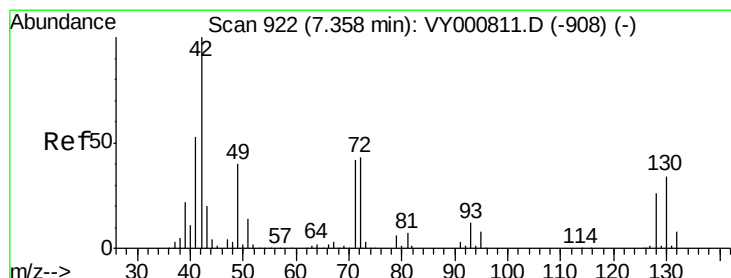
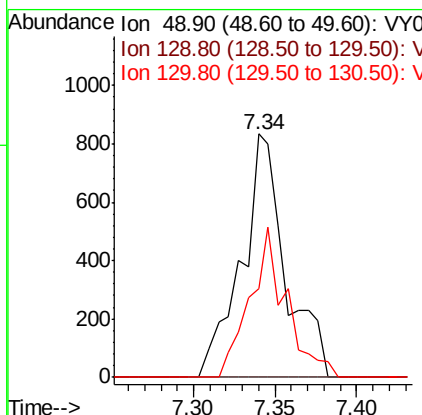
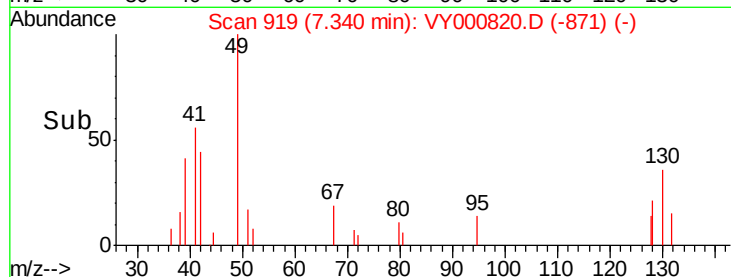
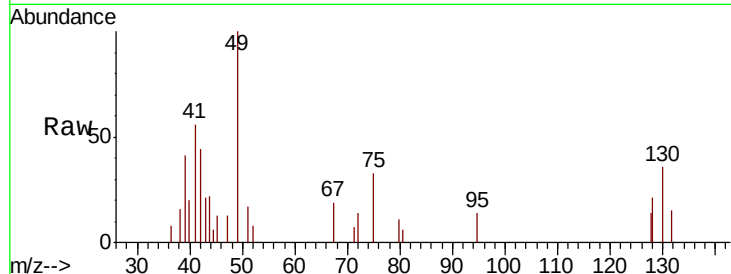




#28
Bromochloromethane
Concen: 2.802 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

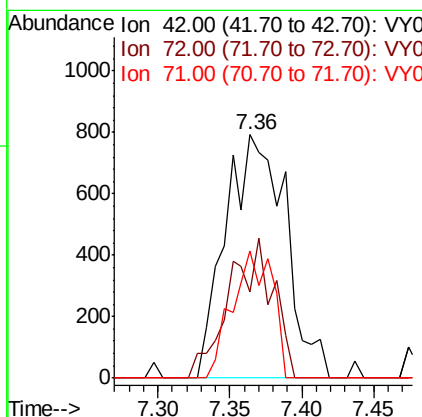
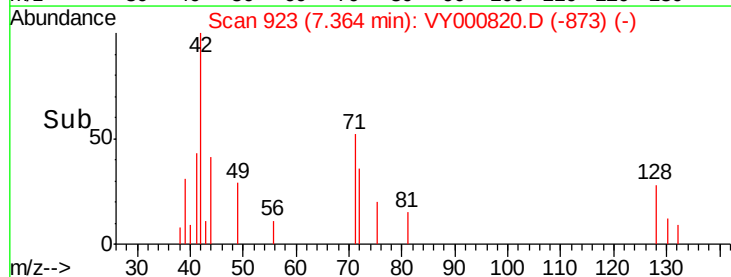
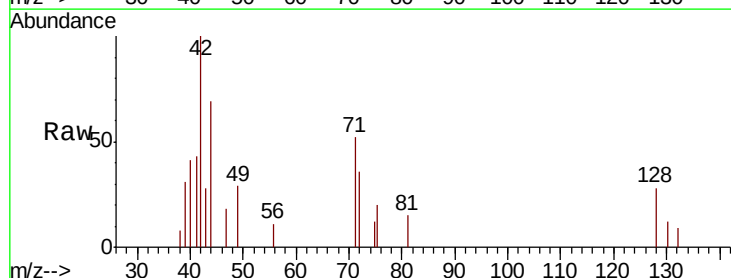
Instrument :
MSVOA_Y
ClientSampled :

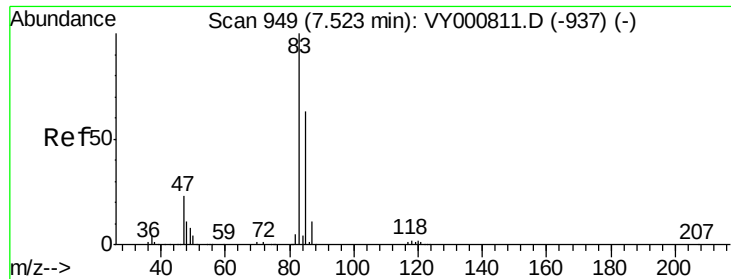
Tot Ion: 49 Resp: 1569
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 50.5 58.7 88.1#



#29
Tetrahydrofuran
Concen: 3.140 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Tgt Ion: 42 Resp: 2297
Ion Ratio Lower Upper
42 100
72 23.8 35.1 52.7#
71 34.8 32.8 49.2

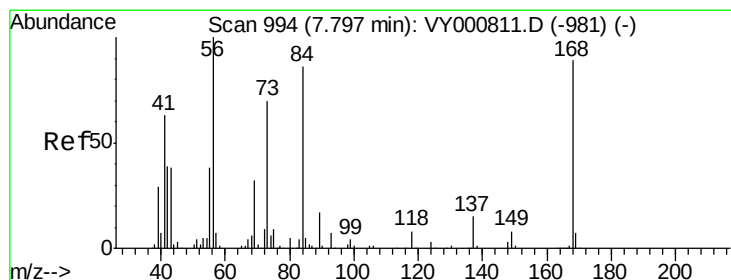
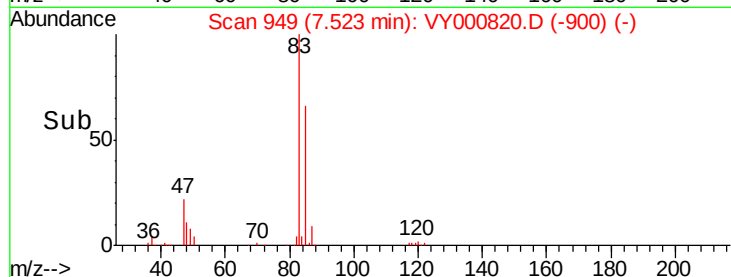
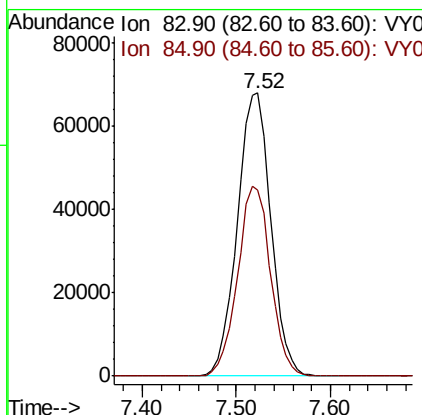
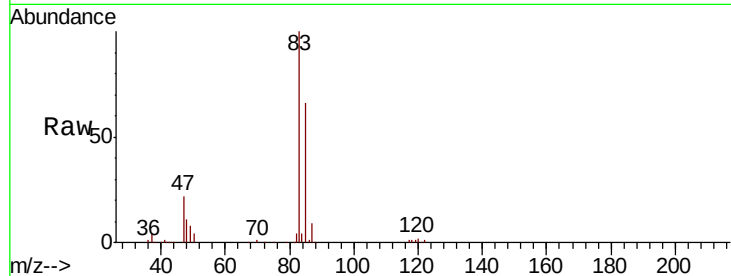




#30
Chloroform
Concen: 32.065 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

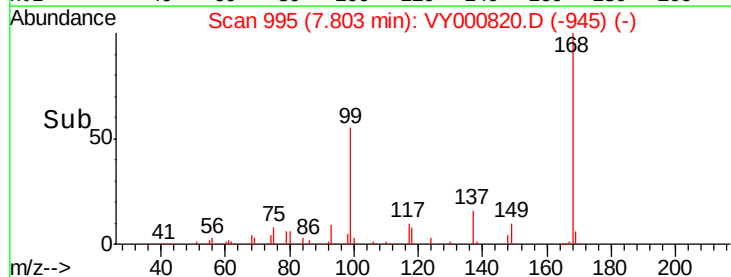
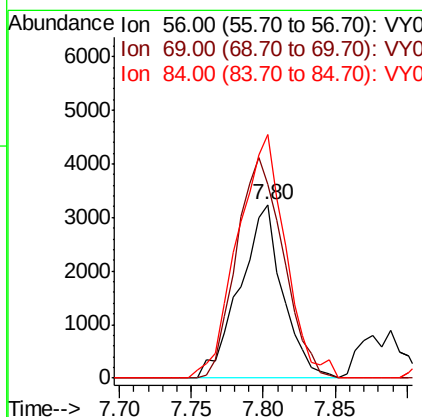
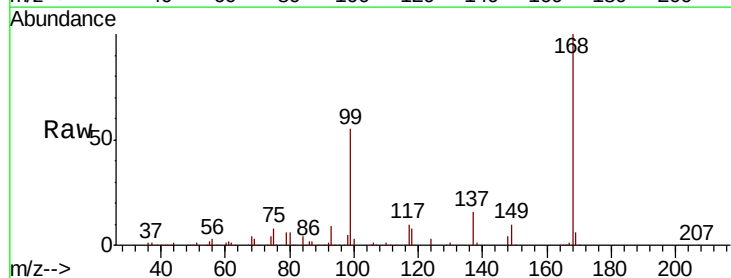
Instrument :
MSVOA_Y
ClientSampleId :

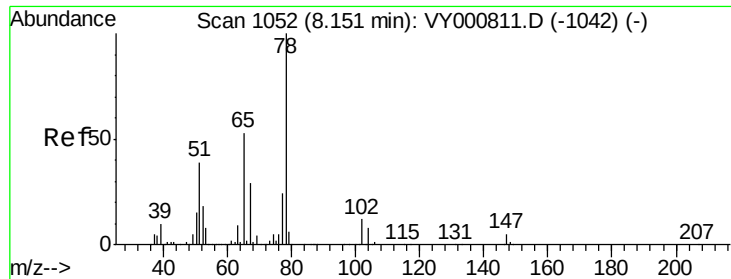
Tot Ion: 83 Resp: 167937
Ion Ratio Lower Upper
83 100
85 65.8 50.4 75.6



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Tgt Ion: 56 Resp: 6705
Ion Ratio Lower Upper
56 100
69 111.3 25.9 38.9#
84 140.3 68.6 102.8#

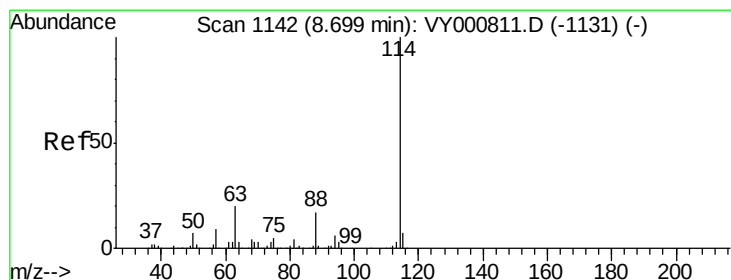
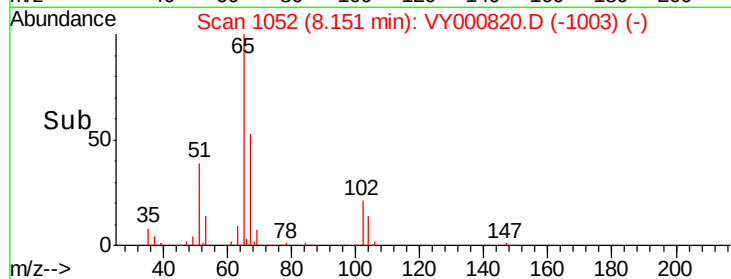
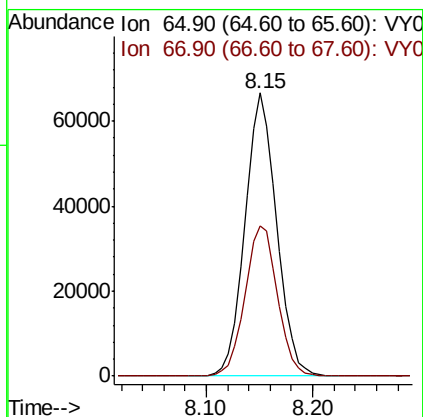
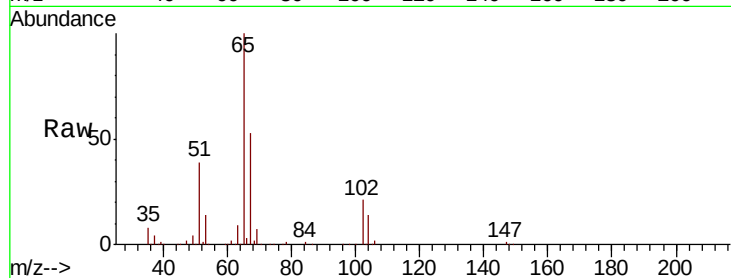




#33
 1,2-Dichloroethane-d4
 Concen: 53.245 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000820.D
 Acq: 27 Nov 2019 15:40

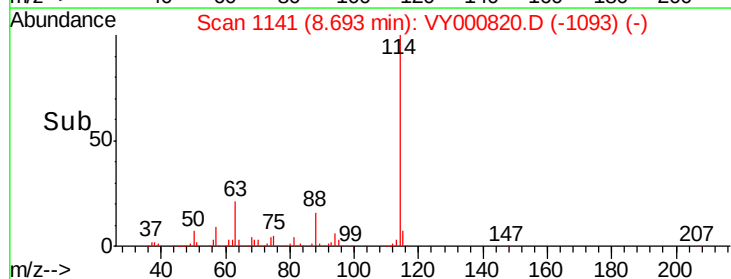
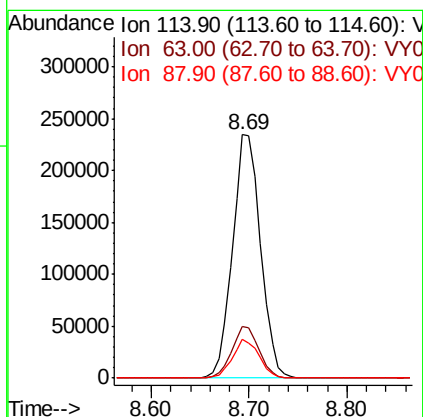
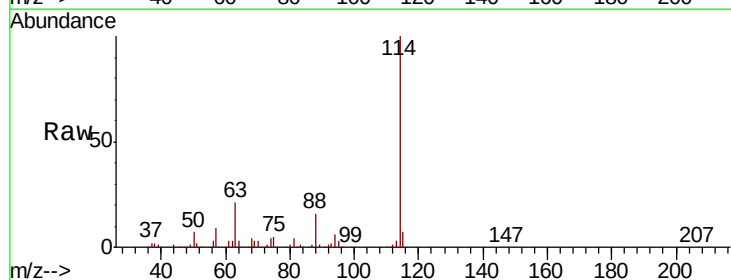
Instrument :
 MSVOA_Y
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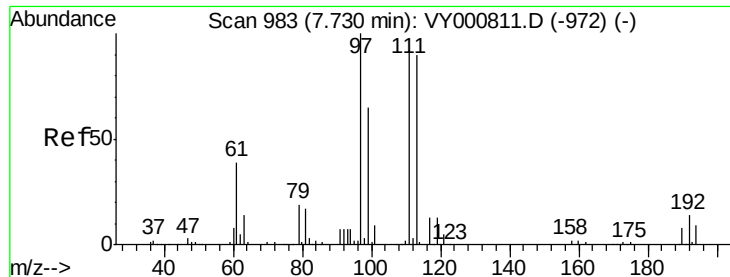
Tot Ion: 65 Resp: 138696
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000820.D
 Acq: 27 Nov 2019 15:40

Tgt Ion: 114 Resp: 464797
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.8
 88 16.0 0.0 33.2

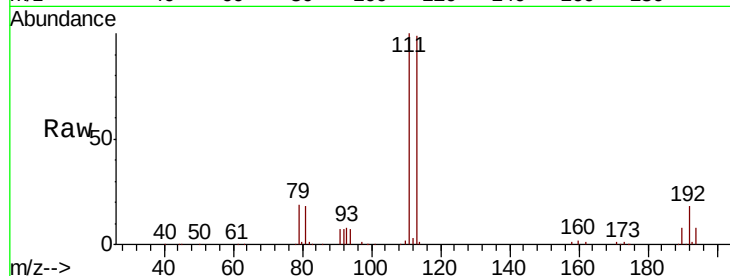




#35
Dibromofluoromethane
Concen: 50.865 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.4	123.6
192	18.4	14.2	21.2

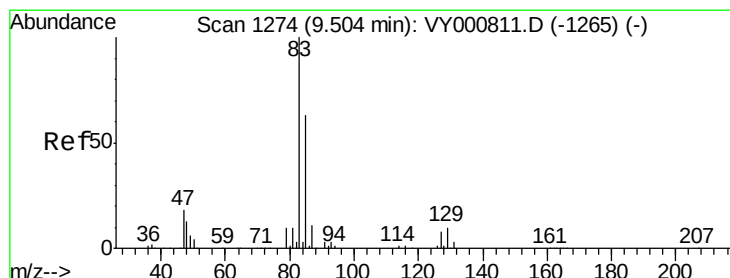
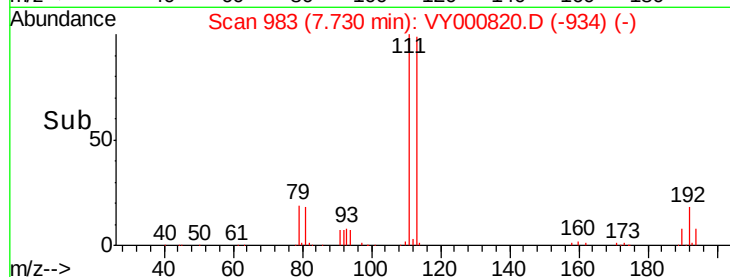
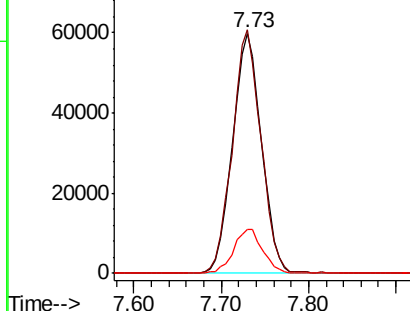


Abundance

Ion 112.80 (112.50 to 113.50): V

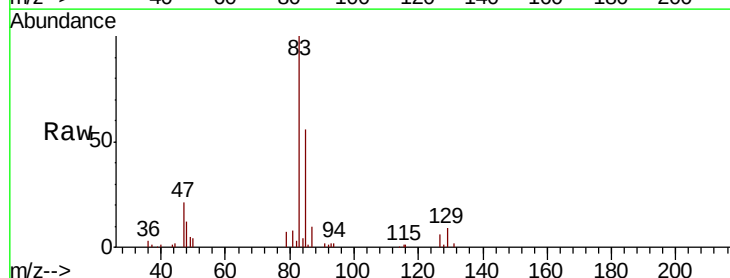
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#47
Bromodichloromethane
Concen: 6.883 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.4	50.8	76.2
127	5.6	6.6	10.0#

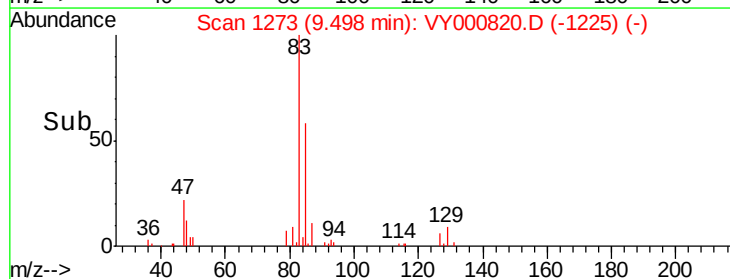
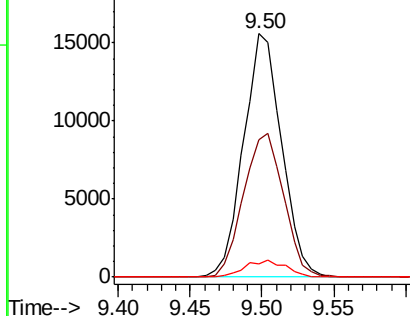


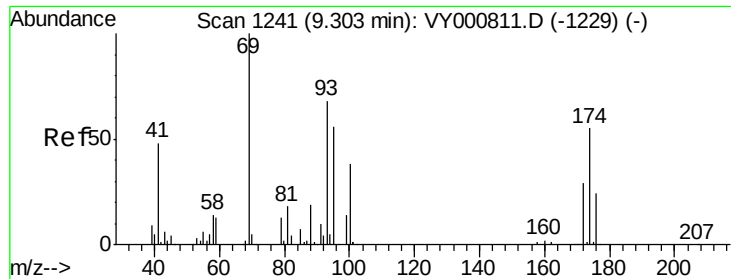
Abundance

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): V

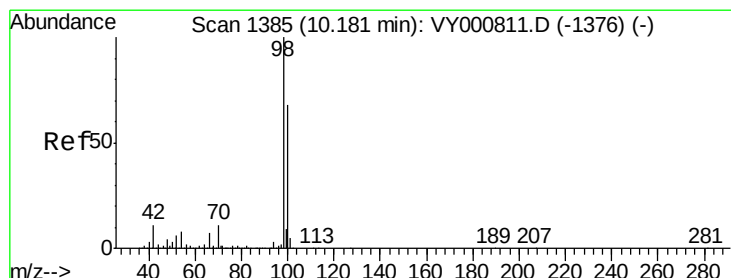
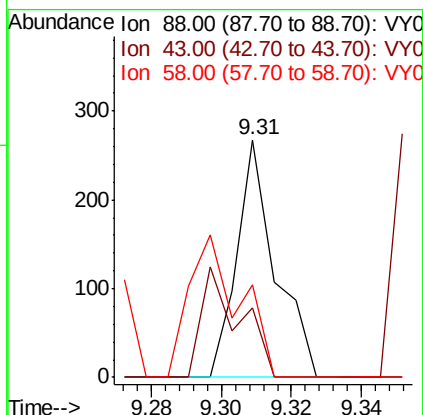
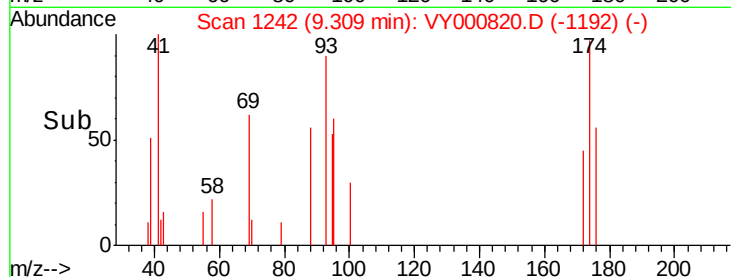
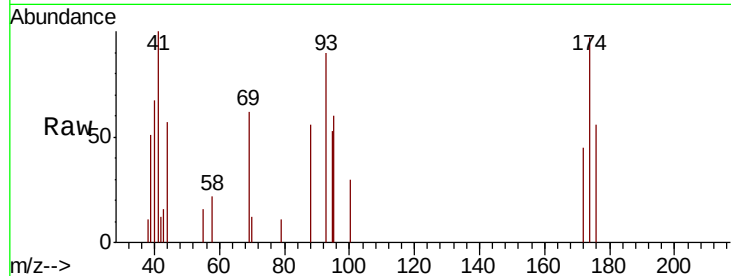




#49
1,4-Dioxane
Concen: 8.189 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

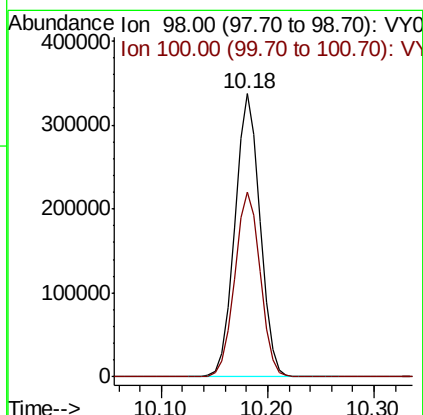
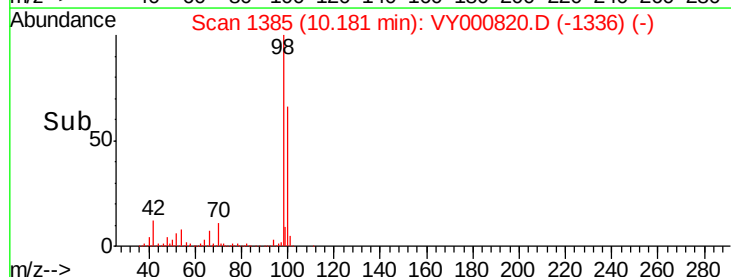
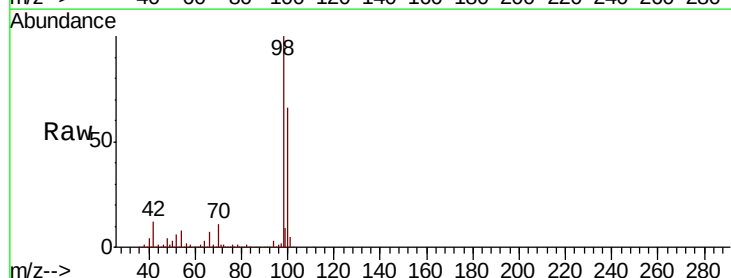
Instrument :
MSVOA_Y
ClientSampleId :

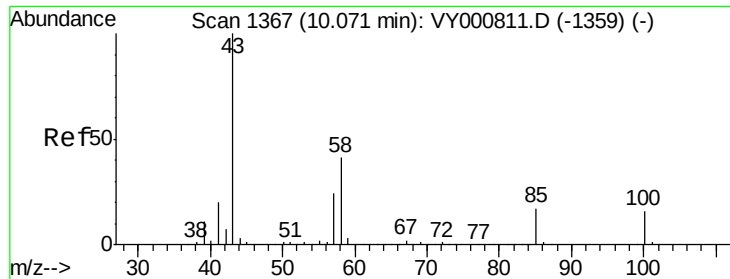
Tot Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 45.4 21.1 31.7#
58 77.6 50.7 76.1#



#50
Toluene-d8
Concen: 51.611 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Tgt Ion: 98 Resp: 558939
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 2.941 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000820.D

Acq: 27 Nov 2019 15:40

Instrument :

MSVOA_Y

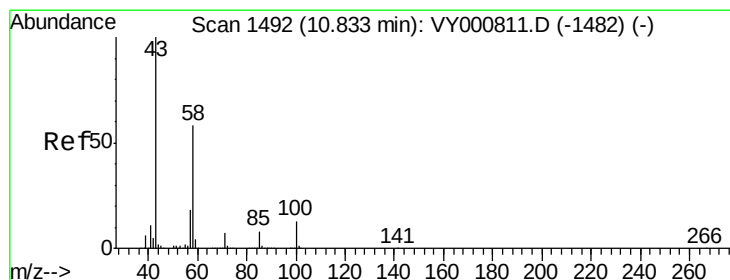
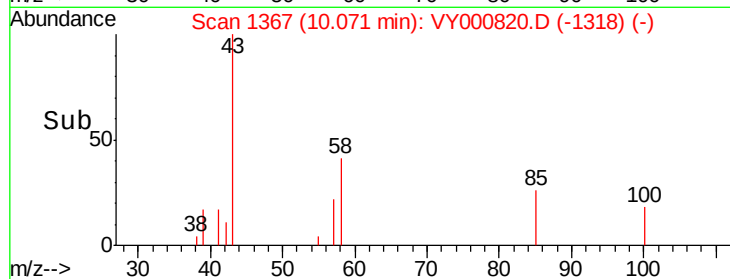
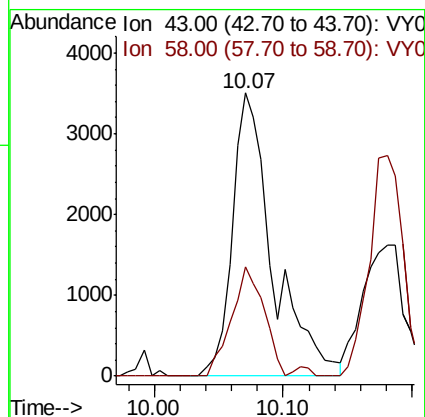
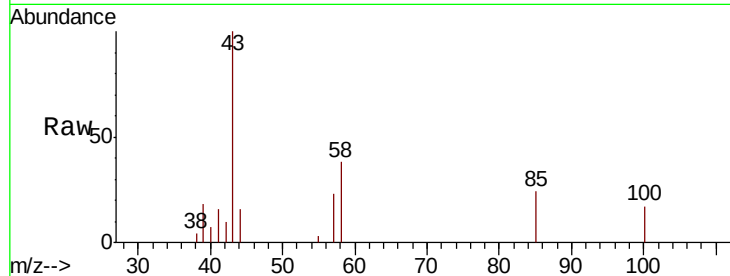
ClientSampleId :

Tot Ion: 43 Resp: 7642

Ion Ratio Lower Upper

43 100

58 31.5 33.1 49.7#



#59

2-Hexanone

Concen: 2.178 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000820.D

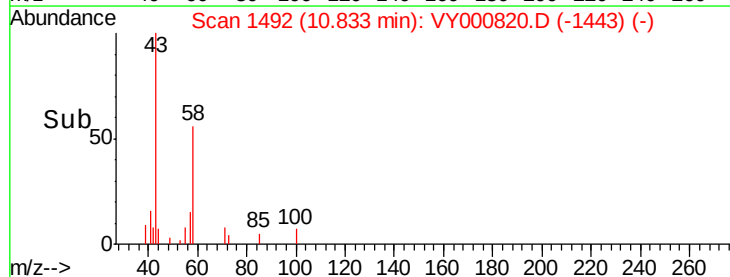
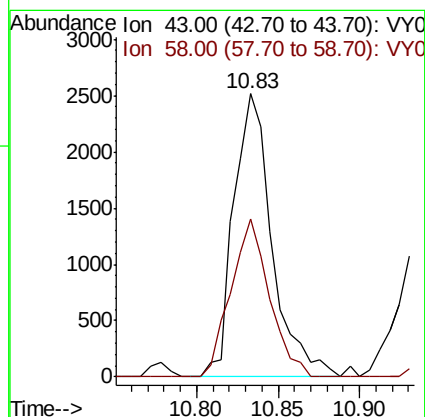
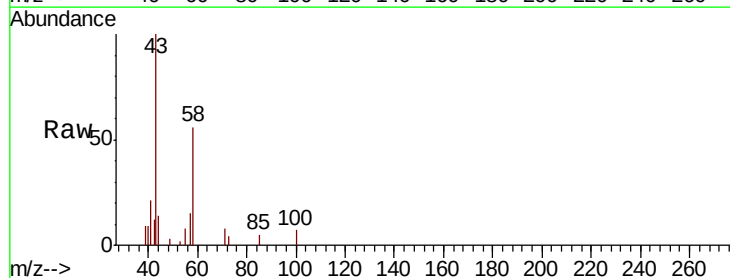
Acq: 27 Nov 2019 15:40

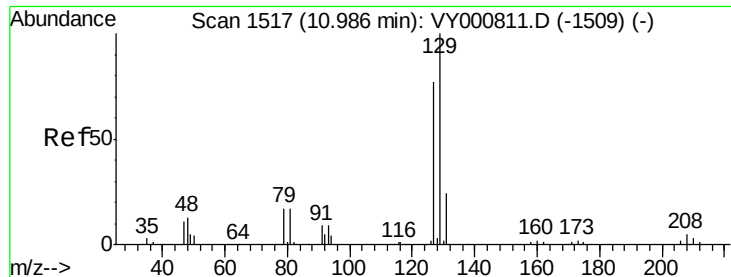
Tgt Ion: 43 Resp: 4124

Ion Ratio Lower Upper

43 100

58 55.9 29.0 87.1

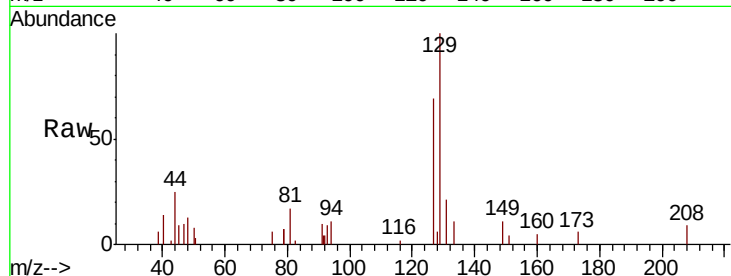




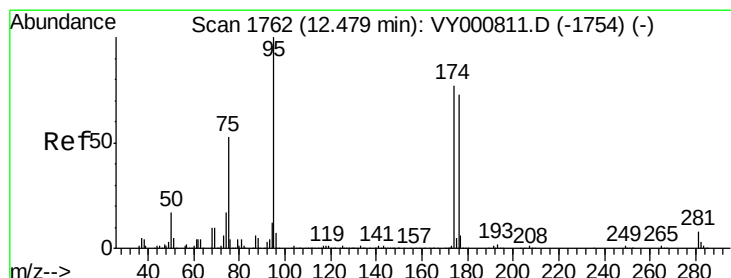
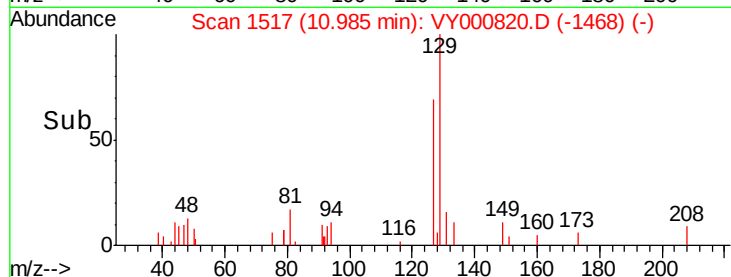
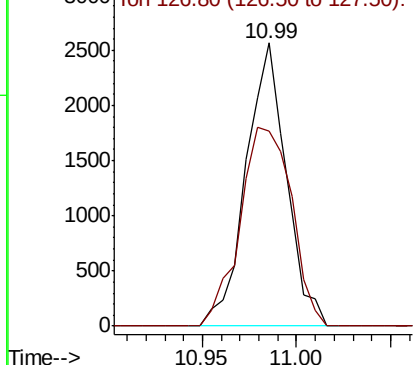
#60
Dibromochloromethane
Concen: 1.353 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:129 Resp: 3803
Ion Ratio Lower Upper
129 100
127 90.1 39.1 117.2

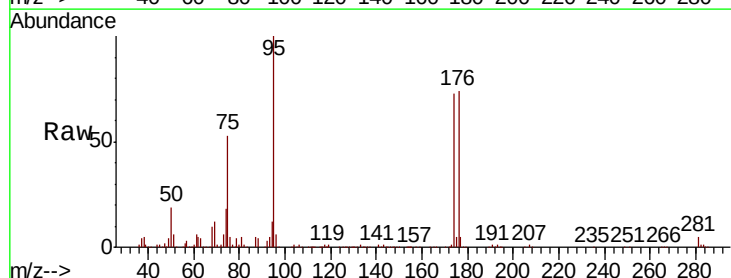


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

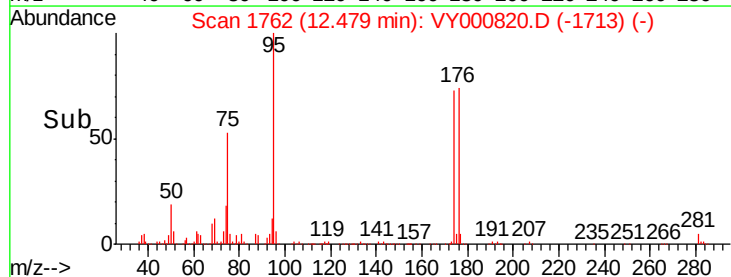
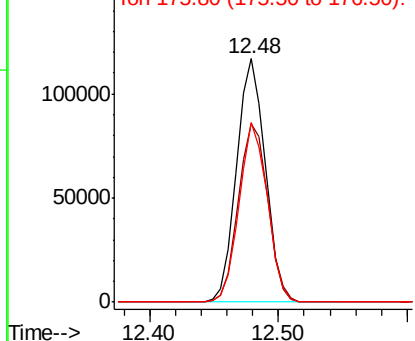


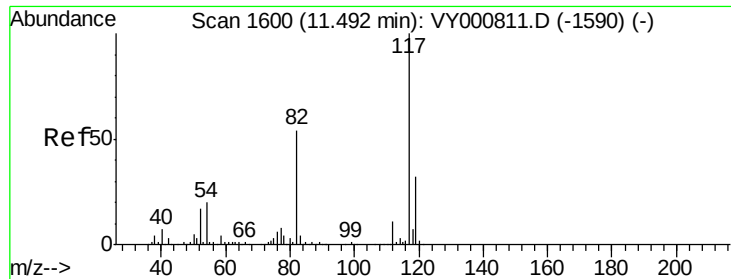
#62
4-Bromofluorobenzene
Concen: 44.349 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Tgt Ion: 95 Resp: 180373
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.6
176 72.2 0.0 145.2



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

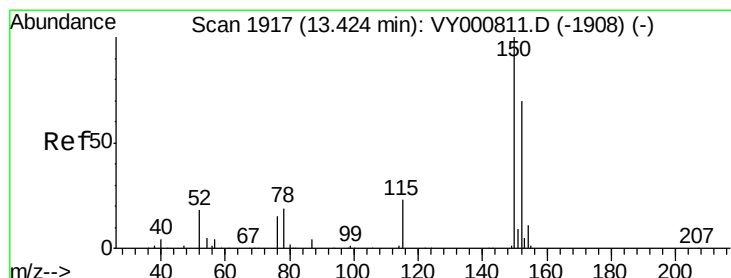
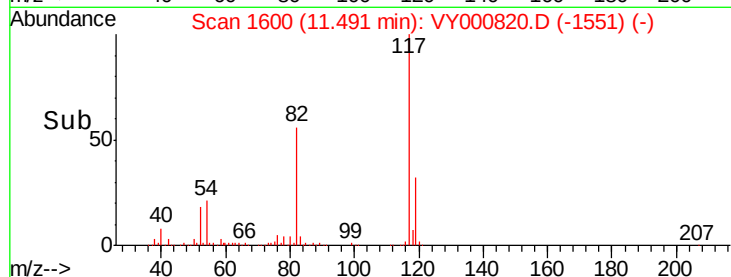
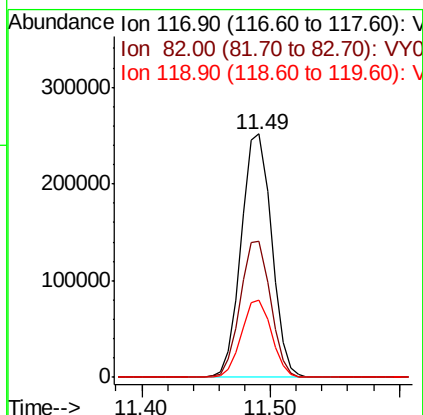
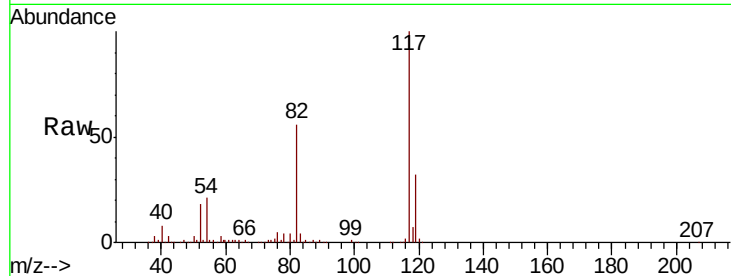




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

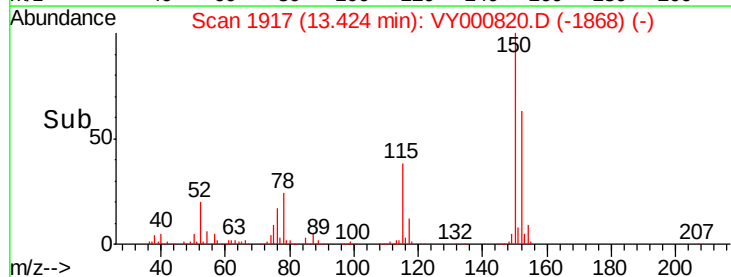
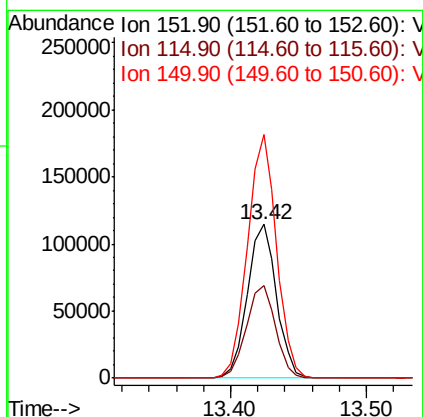
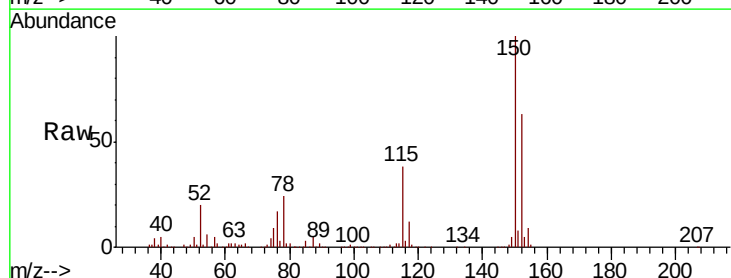
Instrument :
MSVOA_Y
ClientSampleId :

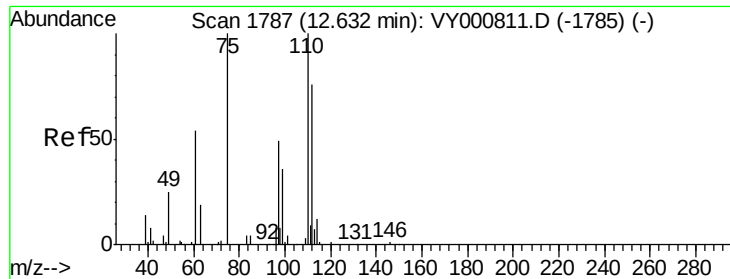
Tot Ion:117 Resp: 410901
Ion Ratio Lower Upper
117 100
82 55.7 43.1 64.7
119 31.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000820.D
Acq: 27 Nov 2019 15:40

Tgt Ion:152 Resp: 172074
Ion Ratio Lower Upper
152 100
115 60.3 29.3 87.8
150 157.5 0.0 351.2

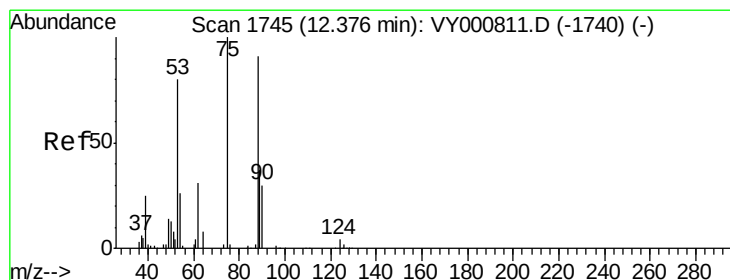
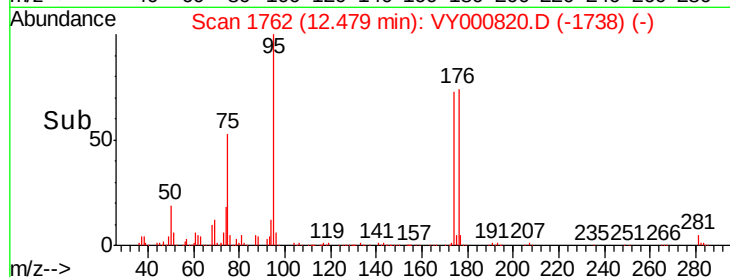
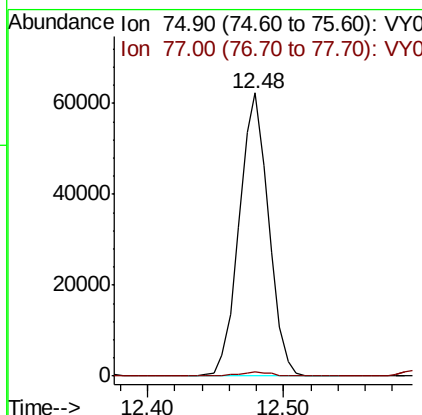
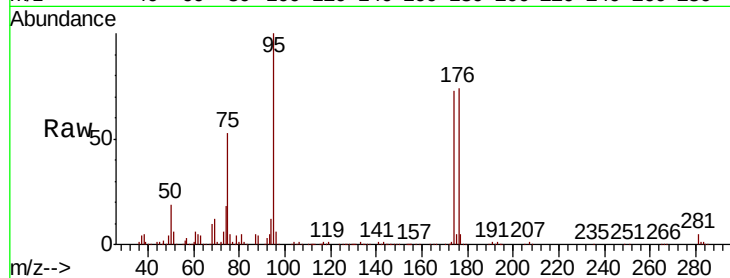




#76
 1,2,3-Trichloropropane
 Concen: 48.157 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000820.D
 Acq: 27 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 93886
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.594 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000820.D
 Acq: 27 Nov 2019 15:40

Tgt Ion: 75 Resp: 93886
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.6 96.8#
 89 0.0 33.6 50.4#

