

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001923.D
 Acq On : 10 Mar 2020 15:41
 Operator : SY/MD
 Sample : L1859-01
 Misc : 6.90G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 11 03:58:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

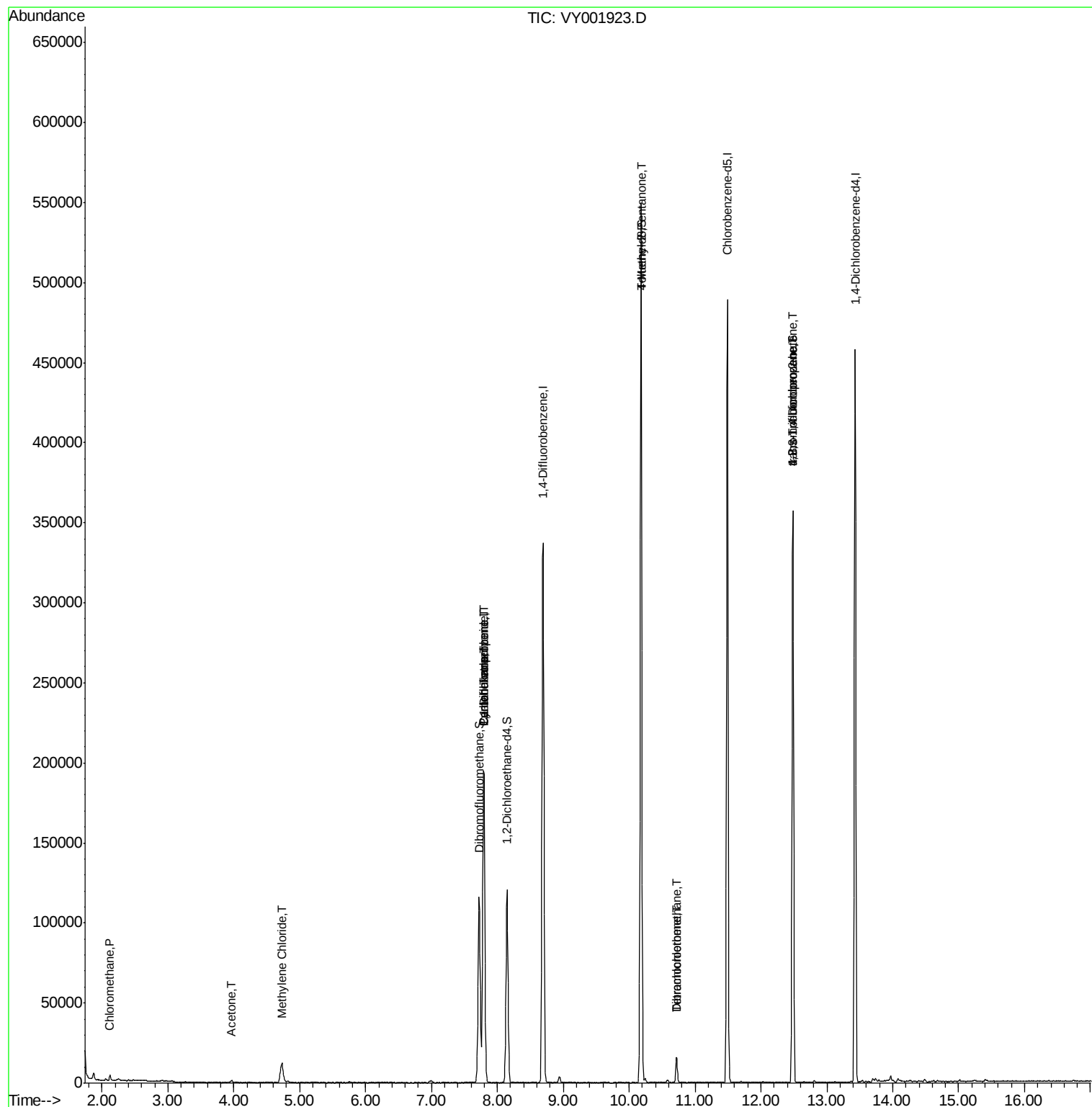
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	149411	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	285309	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	257691	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	111277	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	89311	55.99	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.98%	
35) Dibromofluoromethane	7.72	113	83213	53.41	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.82%	
50) Toluene-d8	10.18	98	349674	53.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.49	95	116838	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	2803	1.507	ug/l	91
5) Bromomethane	2.68	94	129	Below Cal	#	35
16) Acetone	3.96	43	2204	4.744	ug/l #	78
20) Methylene Chloride	4.73	84	9147	4.594	ug/l	97
31) Cyclohexane	7.79	56	3719	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12570	4.578	ug/l #	49
38) Carbon Tetrachloride	7.79	117	15958	6.804	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	1589	1.021	ug/l #	1
60) Dibromochloromethane	10.72	129	3392	2.086	ug/l #	10
64) Tetrachloroethene	10.72	164	3486	2.157	ug/l	93
76) 1,2,3-Trichloropropane	12.49	75	59152	44.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	59152	90.493	ug/l #	17

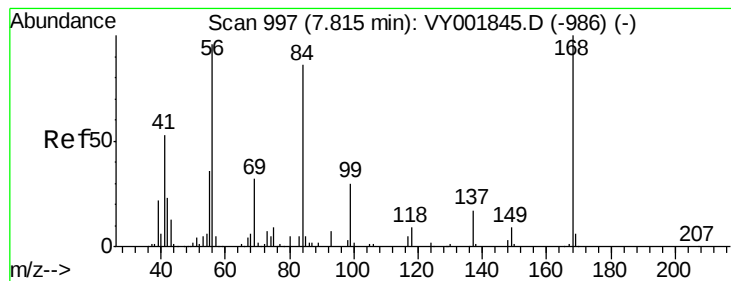
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001923.D

Acq: 10 Mar 2020 15:41

Instrument :

MSVOA_Y

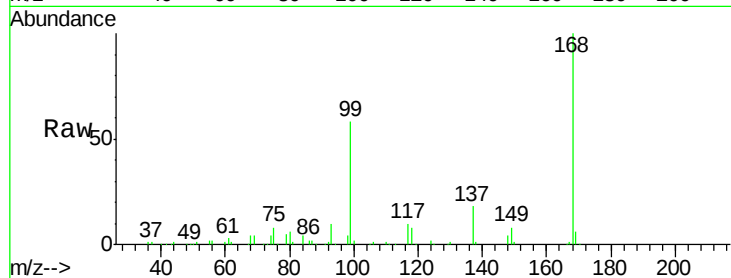
ClientSampled :

Tot Ion:168 Resp: 149411

Ion Ratio Lower Upper

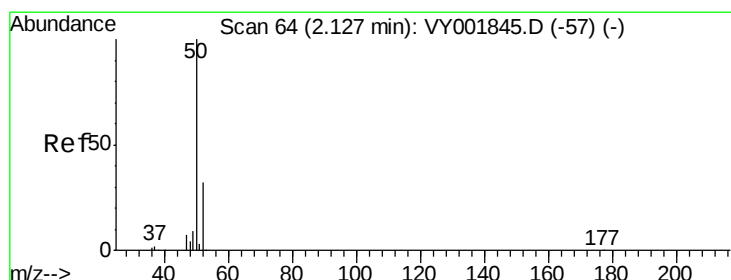
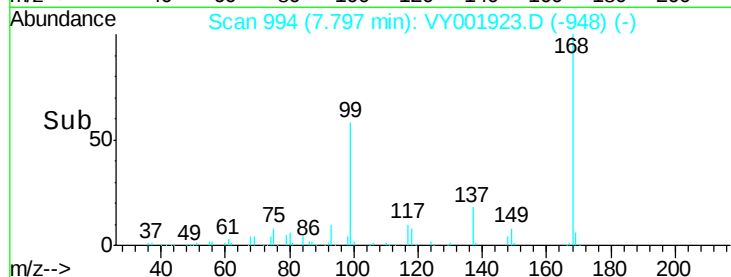
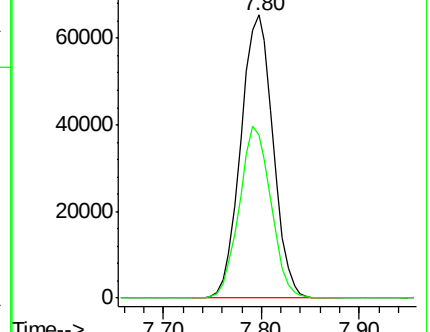
168 100

99 57.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#3

Chloromethane

Concen: 1.507 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001923.D

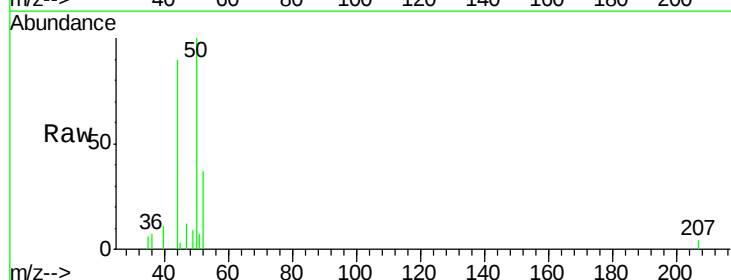
Acq: 10 Mar 2020 15:41

Tgt Ion: 50 Resp: 2803

Ion Ratio Lower Upper

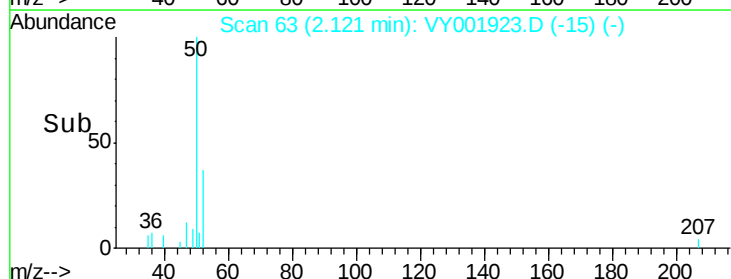
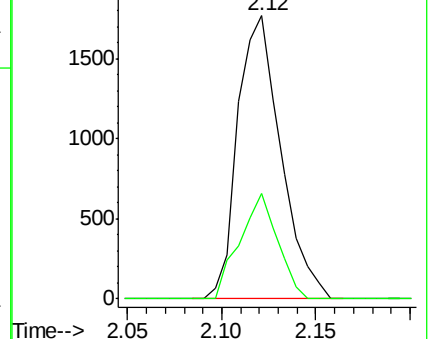
50 100

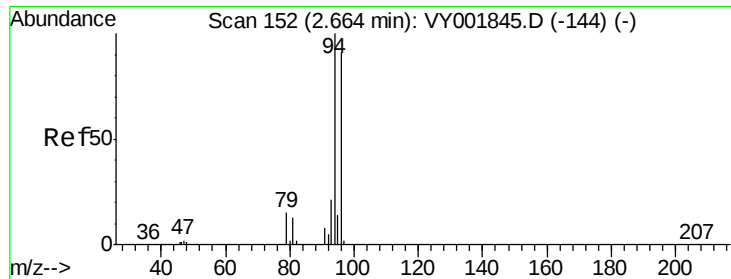
52 37.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001845.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VY001845.D (-57) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001923.D

Acq: 10 Mar 2020 15:41

Instrument :

MSVOA_Y

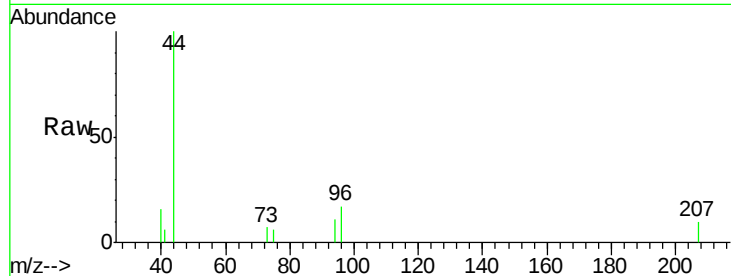
ClientSampled :

Tot Ion: 94 Resp: 129

Ion Ratio Lower Upper

94 100

96 153.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

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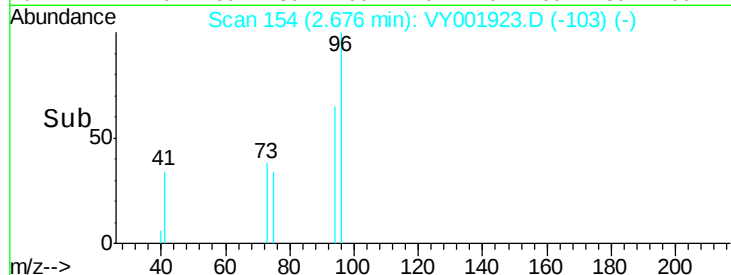
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#16

Acetone

Concen: 4.744 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001923.D

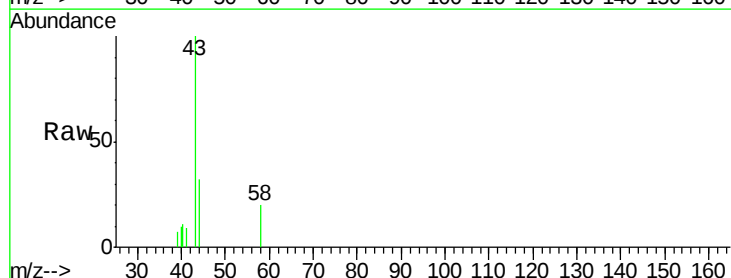
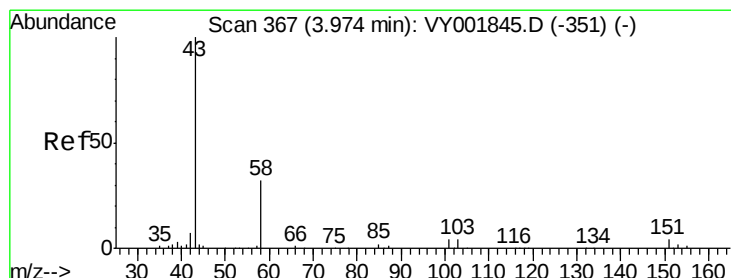
Acq: 10 Mar 2020 15:41

Tgt Ion: 43 Resp: 2204

Ion Ratio Lower Upper

43 100

58 20.1 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

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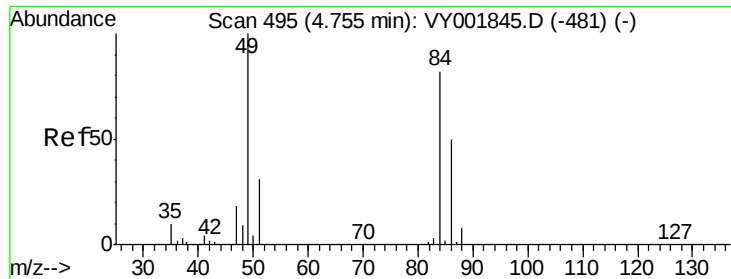
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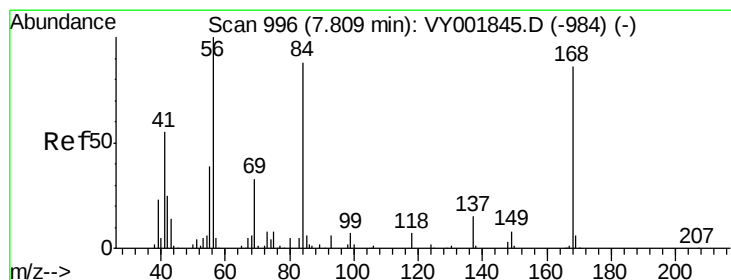
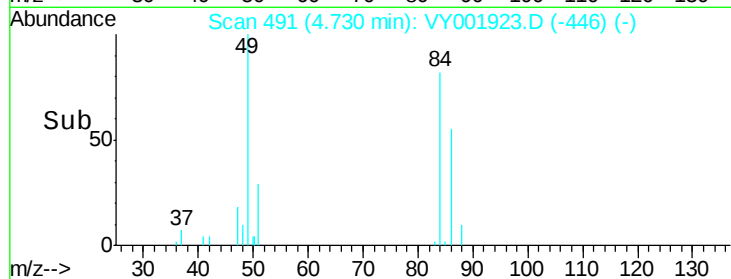
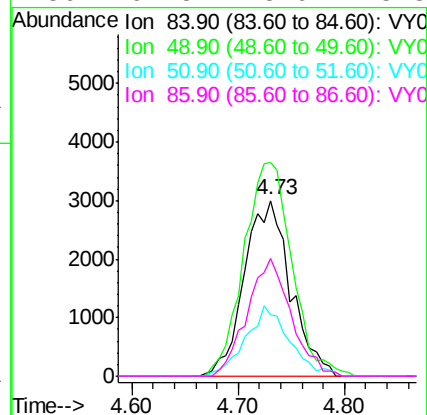
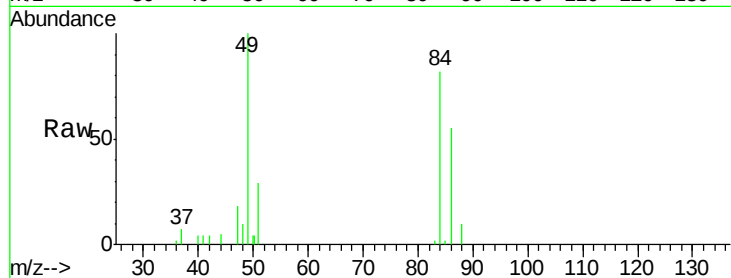
3.96



#20
Methvlene Chloride
Concen: 4.594 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

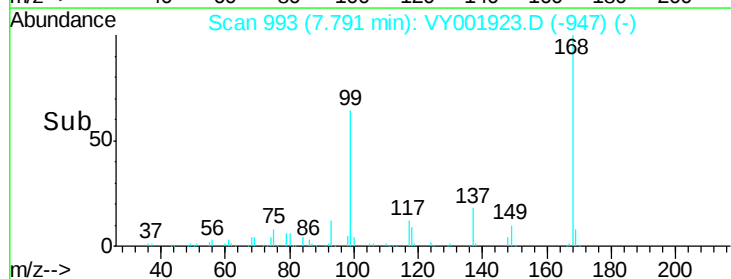
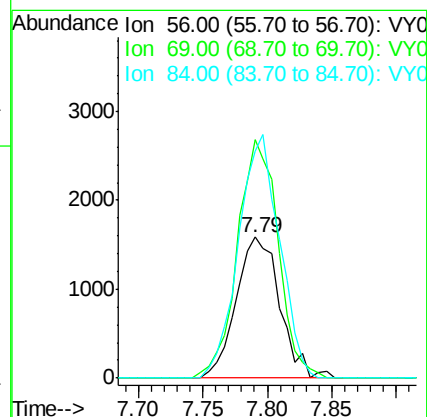
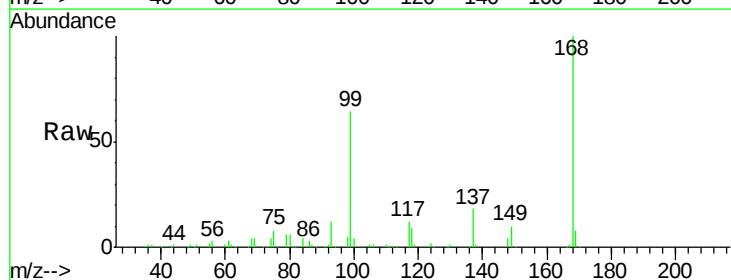
Instrument :
MSVOA_Y
ClientSampleId :

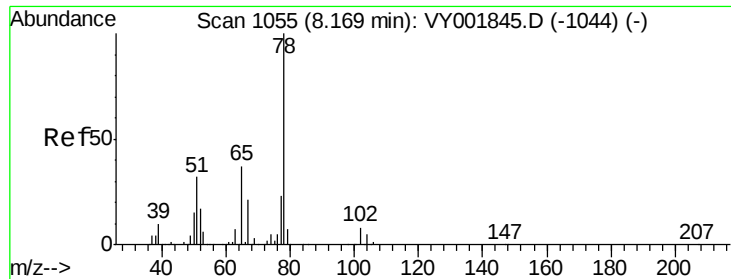
Tot Ion: 84 Resp: 9147
Ion Ratio Lower Upper
84 100
49 121.6 98.2 147.2
51 35.3 30.2 45.2
86 67.3 48.9 73.3



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

Tgt Ion: 56 Resp: 3719
Ion Ratio Lower Upper
56 100
69 169.6 26.7 40.1#
84 161.5 70.4 105.6#

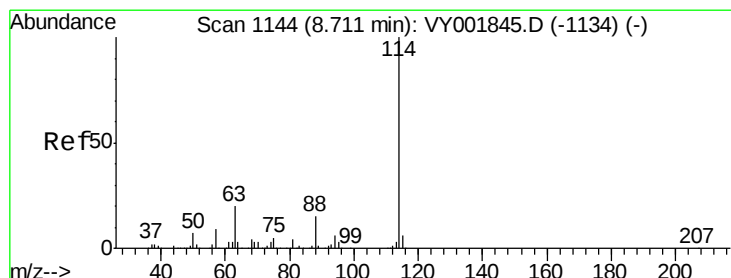
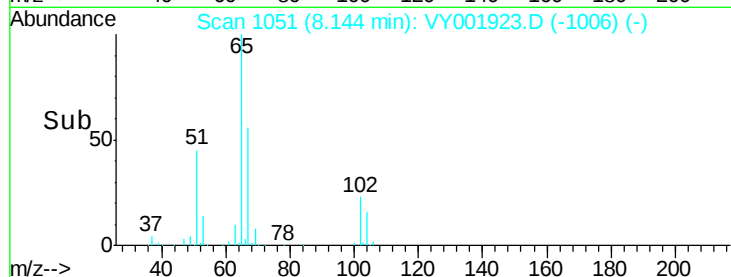
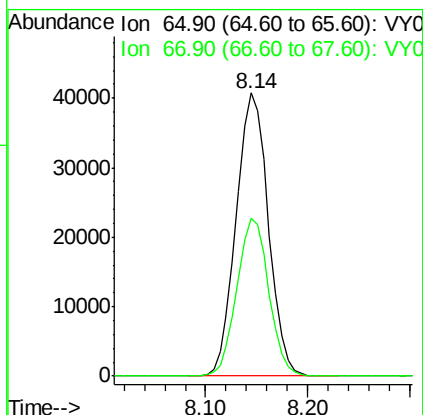
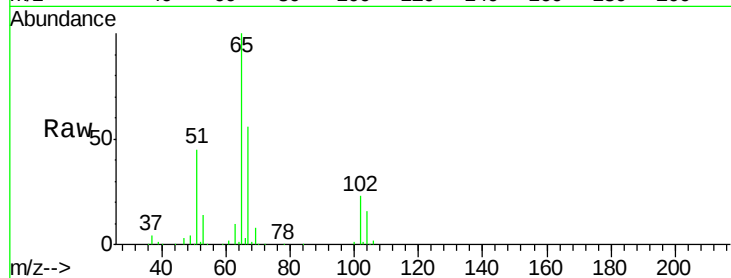




#33
 1,2-Dichloroethane-d4
 Concen: 55.992 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: VY001923.D
 Acq: 10 Mar 2020 15:41

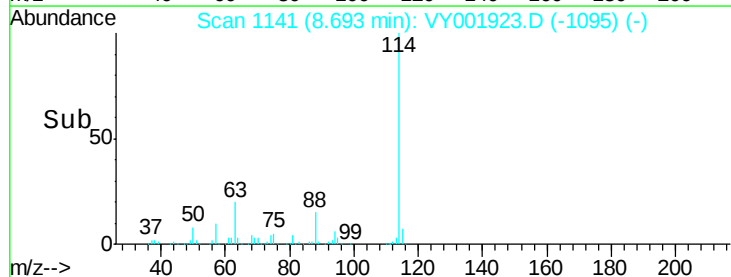
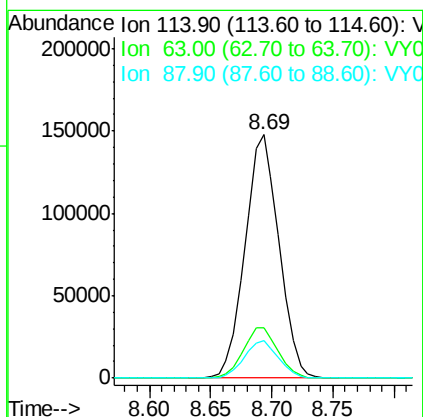
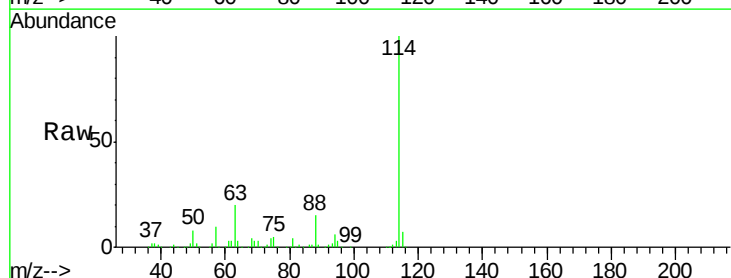
Instrument :
 MSVOA_Y
 ClientSampleId :

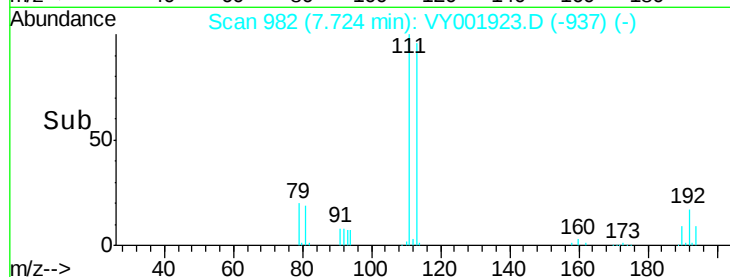
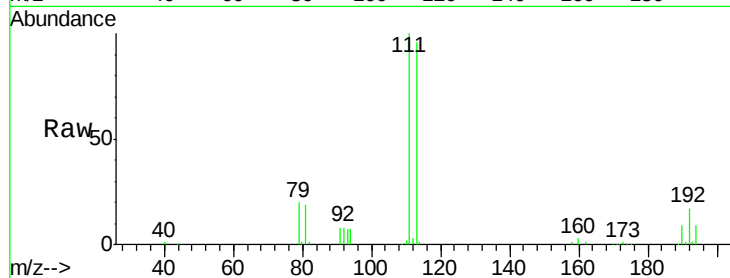
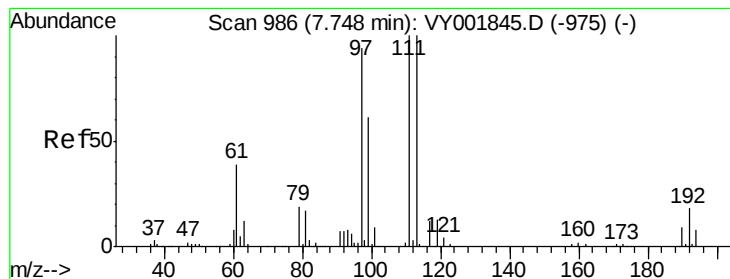
Tot Ion: 65 Resp: 89311
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: VY001923.D
 Acq: 10 Mar 2020 15:41

Tgt Ion: 114 Resp: 285309
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.4
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.413 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.02 min

Lab File: VY001923.D

Acq: 10 Mar 2020 15:41

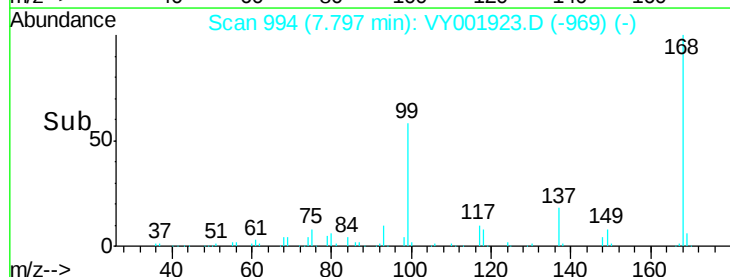
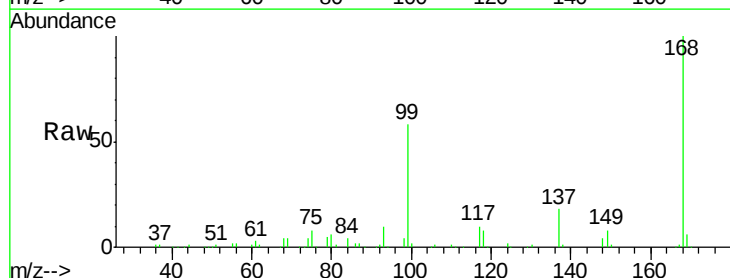
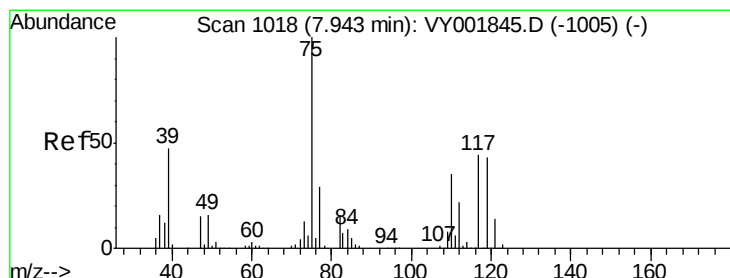
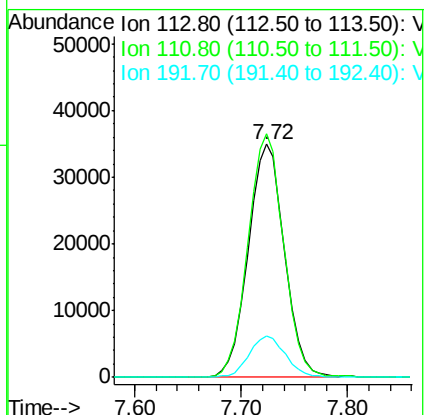
Tot Ion:113 Resp: 83213

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 17.8 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.578 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.15 min

Lab File: VY001923.D

Acq: 10 Mar 2020 15:41

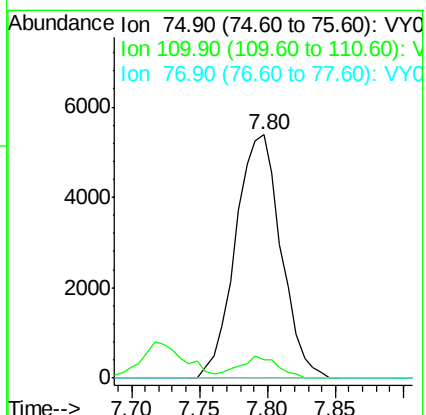
Tgt Ion: 75 Resp: 12570

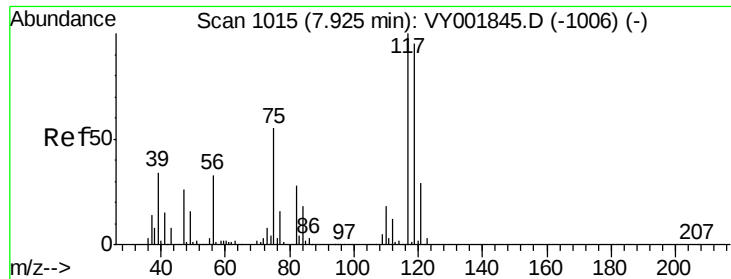
Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.2#

77 0.0 24.2 36.2#

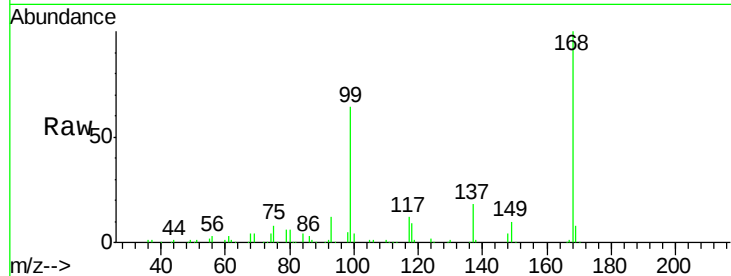




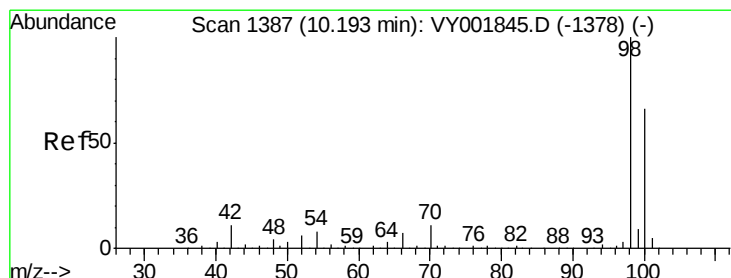
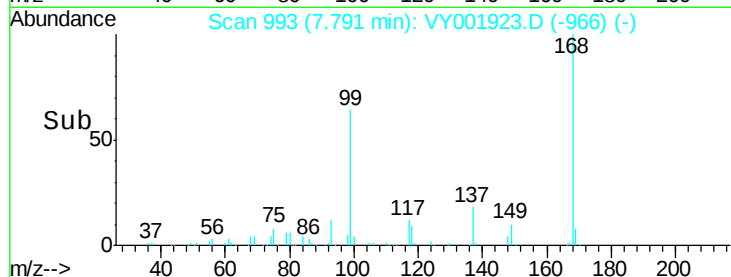
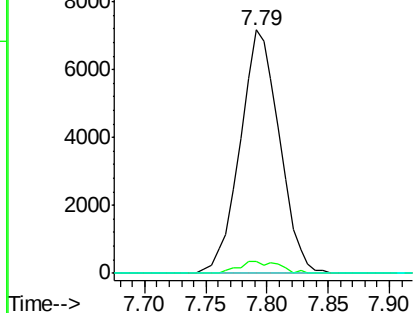
#38
Carbon Tetrachloride
Concen: 6.804 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.13 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 15958
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 23.5 35.3#

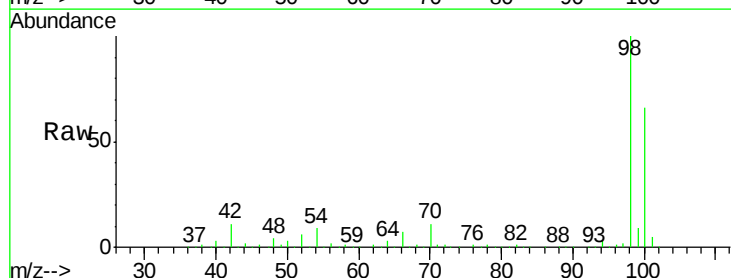


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

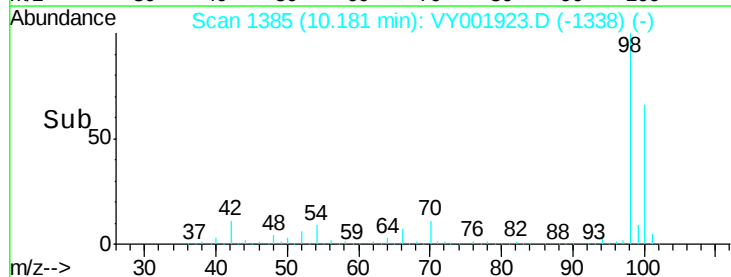
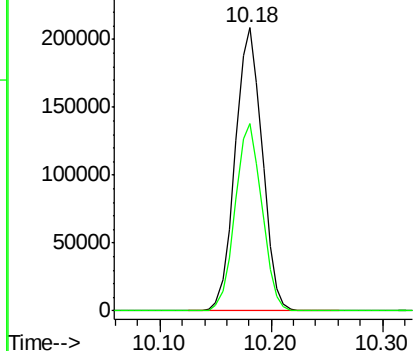


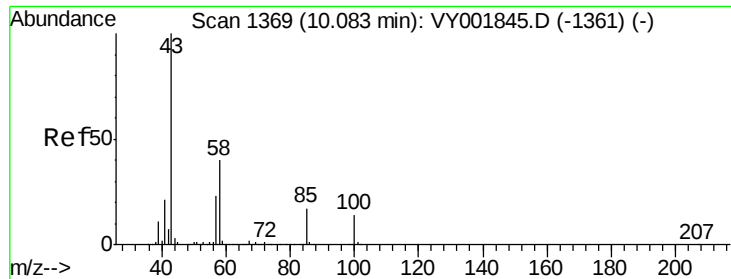
#50
Toluene-d8
Concen: 53.227 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

Tgt Ion: 98 Resp: 349674
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.021 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY001923.D

Acq: 10 Mar 2020 15:41

Instrument :

MSVOA_Y

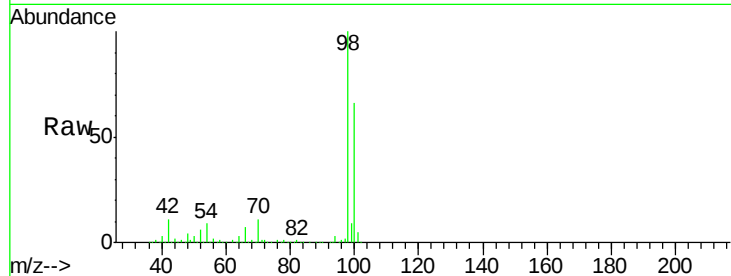
ClientSampled :

Tot Ion: 43 Resp: 1589

Ion Ratio Lower Upper

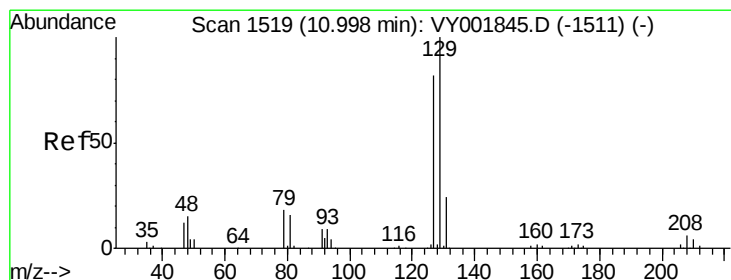
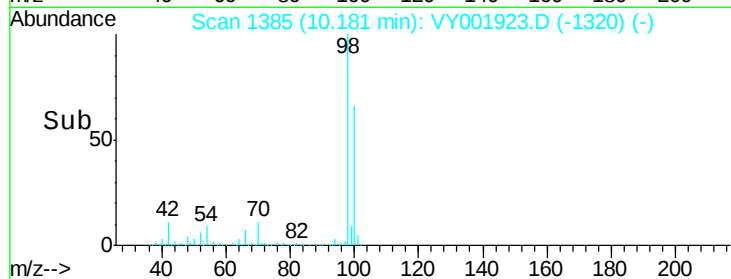
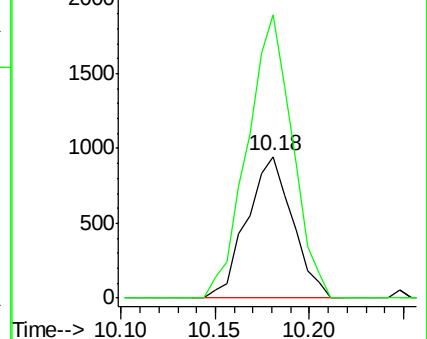
43 100

58 197.6 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#60

Dibromochloromethane

Concen: 2.086 ug/l

RT: 10.72 min Scan# 1474

Delta R.T. -0.27 min

Lab File: VY001923.D

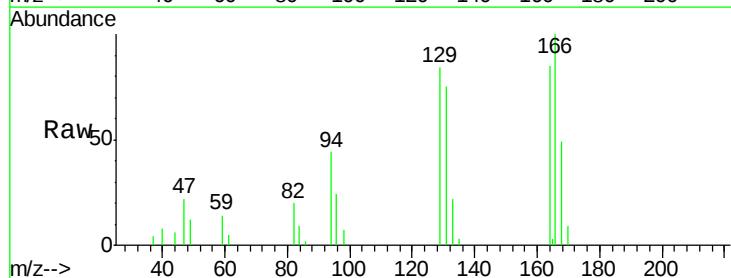
Acq: 10 Mar 2020 15:41

Tgt Ion: 129 Resp: 3392

Ion Ratio Lower Upper

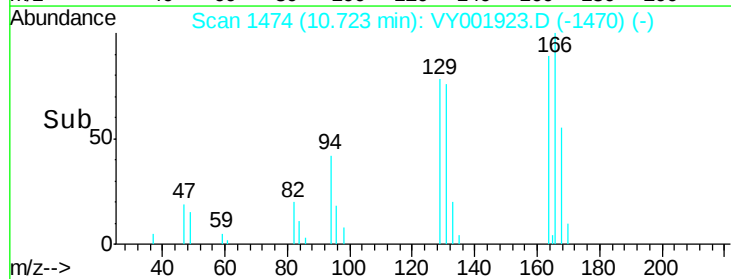
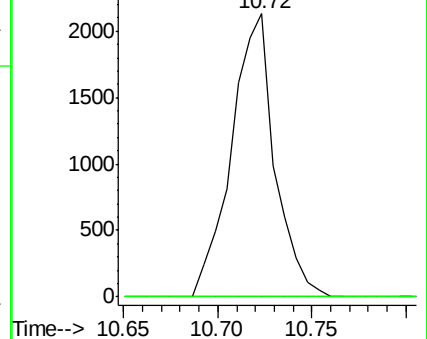
129 100

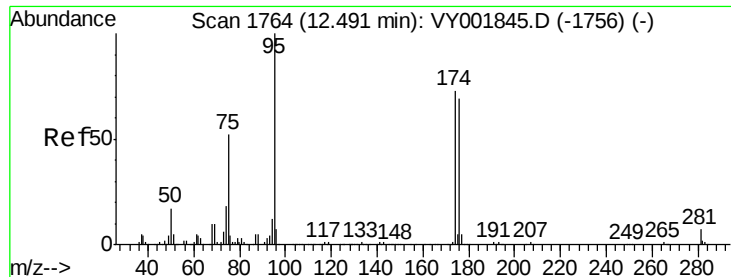
127 0.0 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

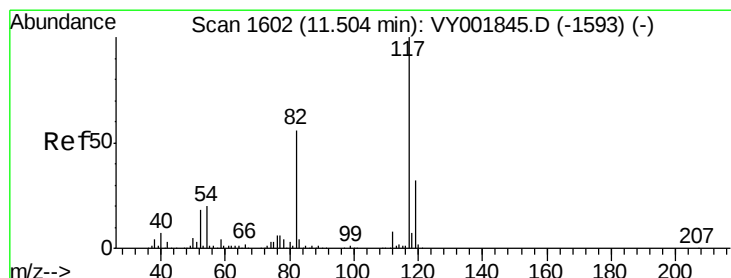
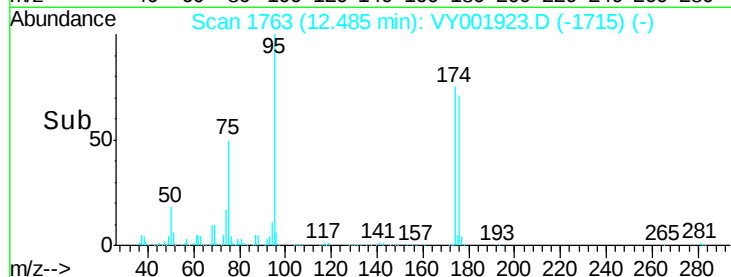
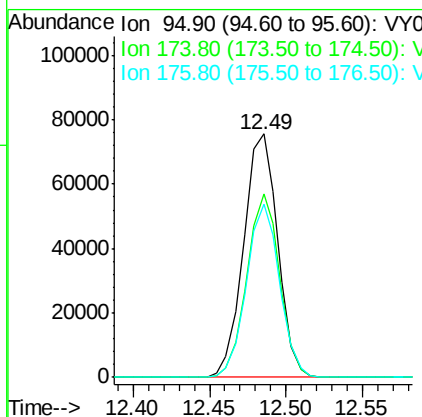
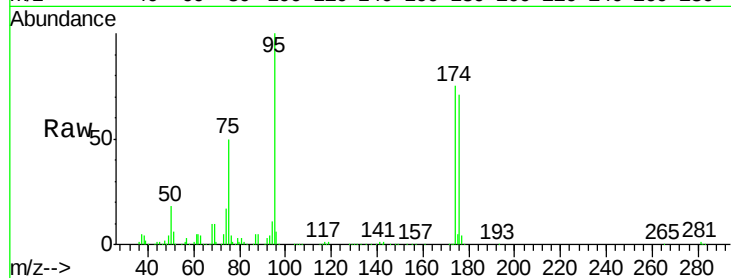




#62
4-Bromofluorobenzene
Concen: 51.149 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

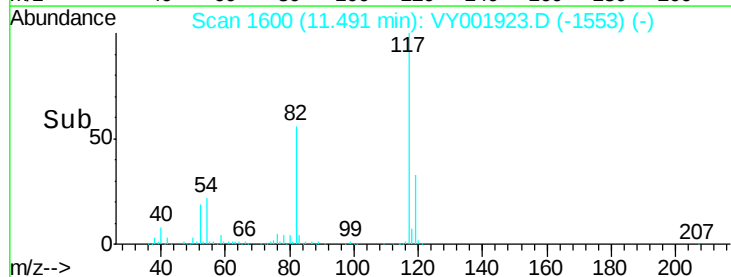
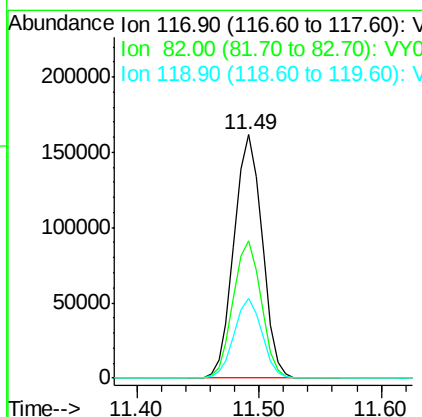
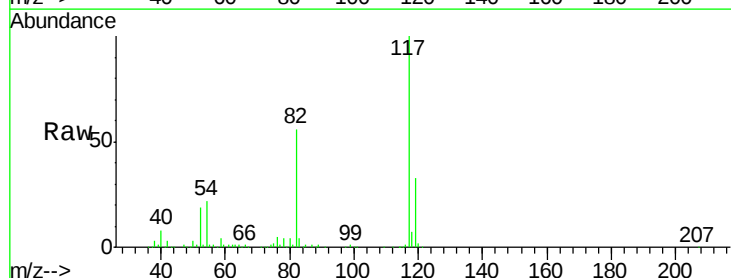
Instrument :
MSVOA_Y
ClientSampled :

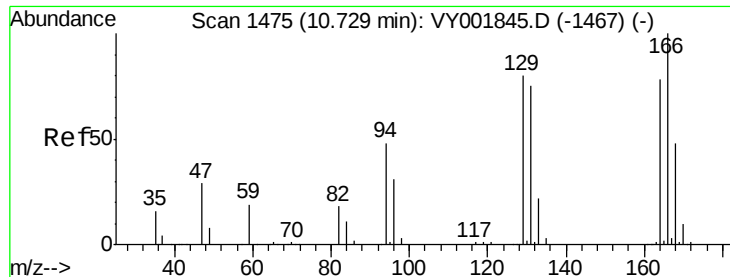
Tot Ion: 95 Resp: 116838
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.0
176 69.2 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

Tgt Ion: 117 Resp: 257691
Ion Ratio Lower Upper
117 100
82 56.2 44.5 66.7
119 32.7 25.7 38.5

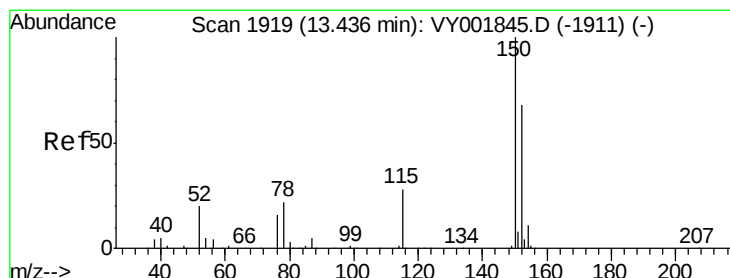
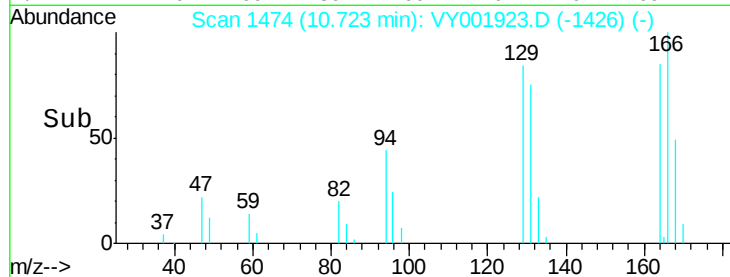
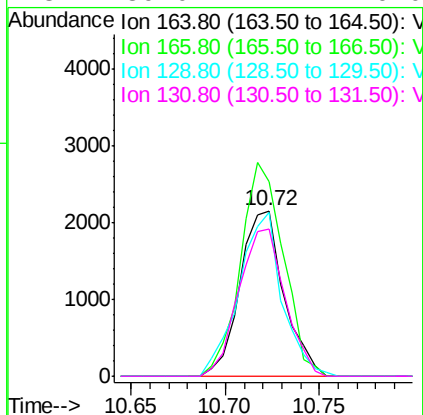
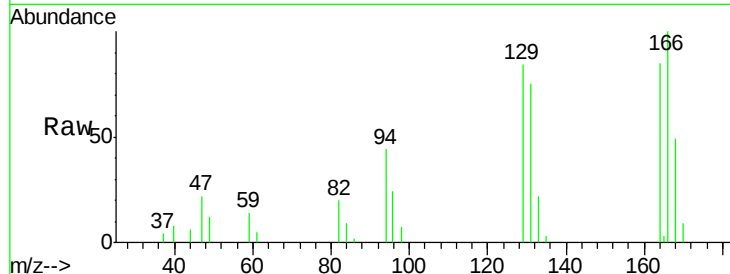




#64
Tetrachloroethene
Concen: 2.157 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

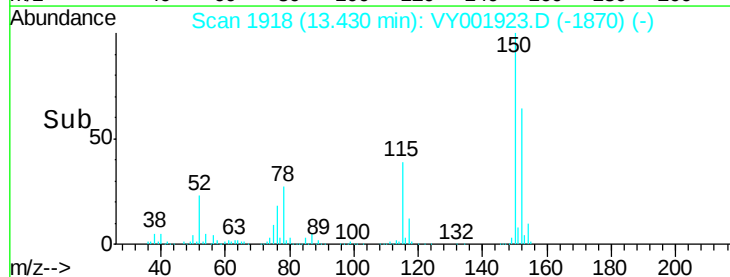
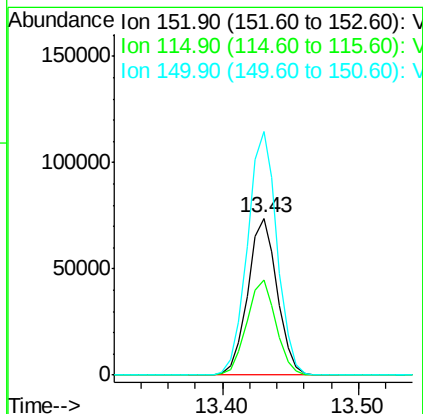
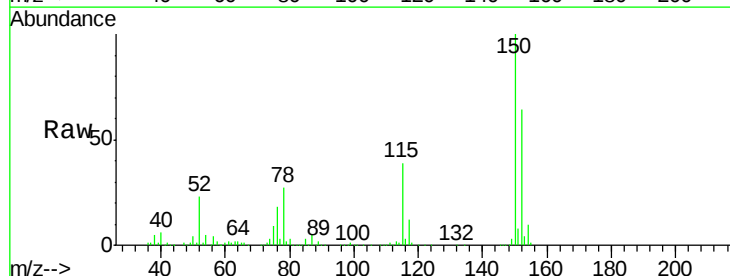
Instrument :
MSVOA_Y
ClientSampleId :

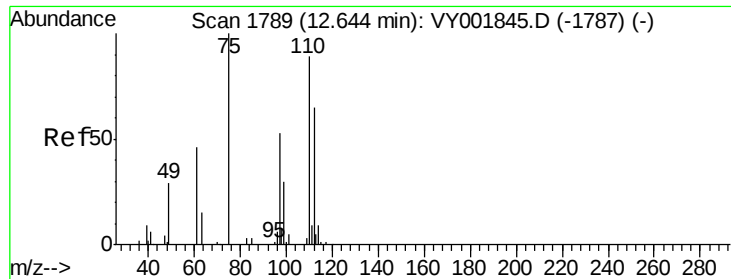
Tot Ion:164 Resp: 3486
Ion Ratio Lower Upper
164 100
166 117.9 102.6 154.0
129 99.0 82.3 123.5
131 89.0 77.4 116.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001923.D
Acq: 10 Mar 2020 15:41

Tgt Ion:152 Resp: 111277
Ion Ratio Lower Upper
152 100
115 60.7 29.9 89.7
150 156.7 0.0 340.6

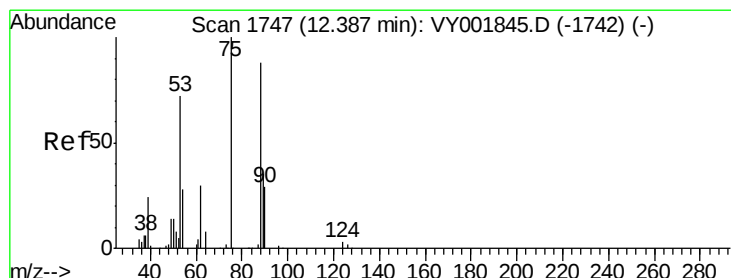
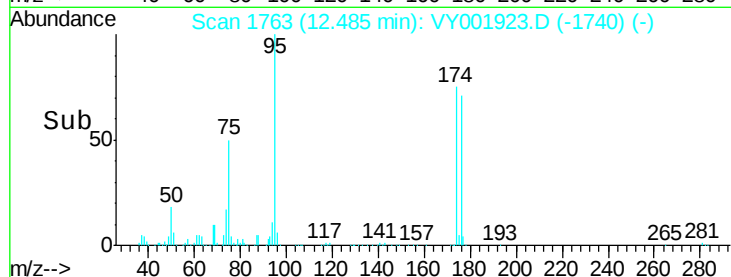
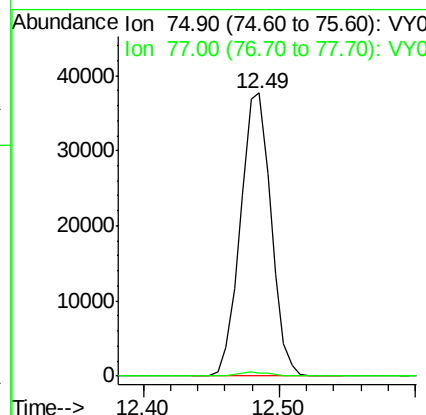
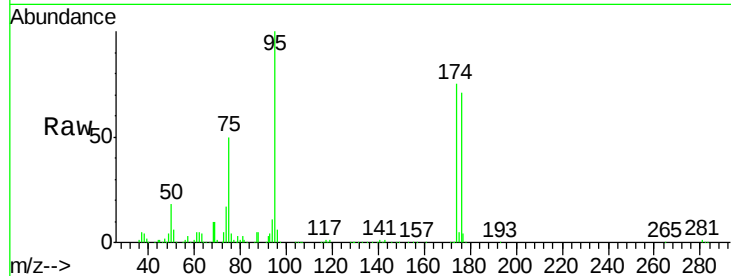




#76
 1,2,3-Trichloropropane
 Concen: 44.799 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001923.D
 Acq: 10 Mar 2020 15:41

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 59152
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.493 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY001923.D
 Acq: 10 Mar 2020 15:41

Tgt Ion: 75 Resp: 59152
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.1 36.0 54.0#

