

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001931.D
 Acq On : 10 Mar 2020 18:40
 Operator : SY/MD
 Sample : L1759-06
 Misc : 7.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 11 04:01:35 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	137735	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	262648	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	236577	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	93797	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	87102	59.24	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	118.48%	
35) Dibromofluoromethane	7.73	113	77370	53.95	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	107.90%	
50) Toluene-d8	10.19	98	317614	52.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.49	95	104073	49.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.98%	

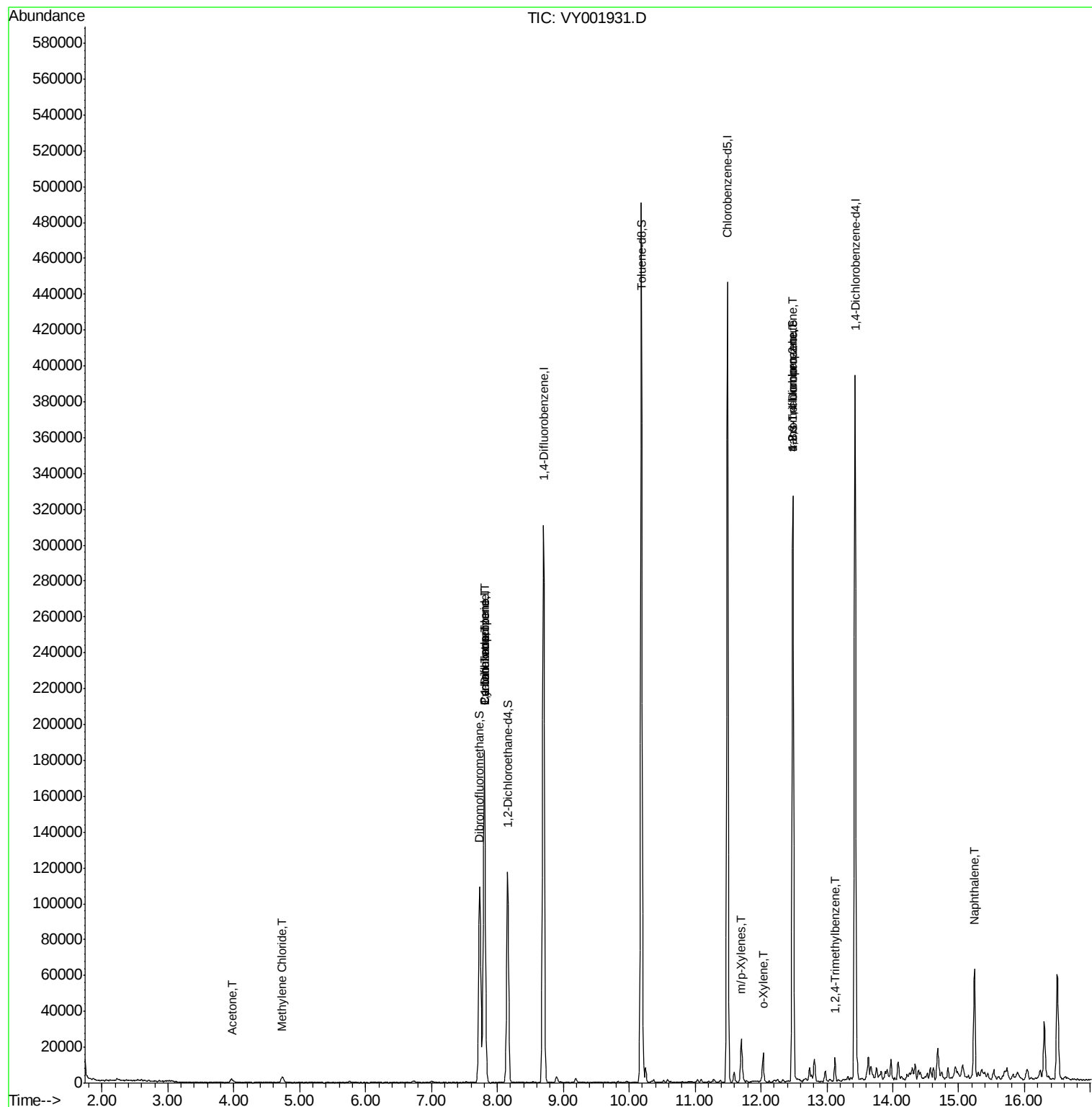
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	119	Below Cal	#	74
16) Acetone	3.97	43	3556	8.303	ug/l	90
20) Methylene Chloride	4.74	84	2561	1.395	ug/l #	80
31) Cyclohexane	7.80	56	3476	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11854	4.690	ug/l #	50
38) Carbon Tetrachloride	7.80	117	13704	6.347	ug/l #	16
68) m/p-Xylenes	11.70	106	7166	2.205	ug/l	98
69) o-Xylene	12.03	106	4002	1.306	ug/l	96
76) 1,2,3-Trichloropropane	12.49	75	52751	47.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	52751	95.739	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.12	105	7310	1.250	ug/l	100
95) Naphthalene	15.24	128	48031	11.562	ug/l	100

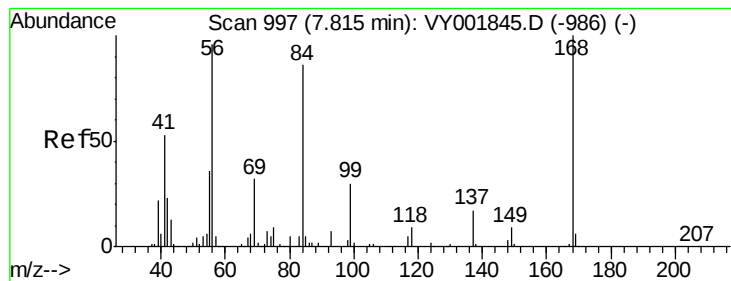
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001931.D

Acq: 10 Mar 2020 18:40

Instrument :

MSVOA_Y

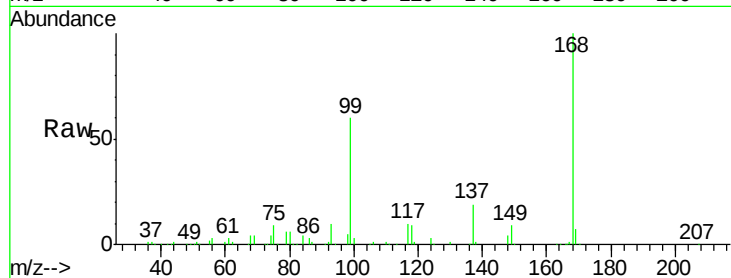
ClientSampleId :

Tot Ion:168 Resp: 137735

Ion Ratio Lower Upper

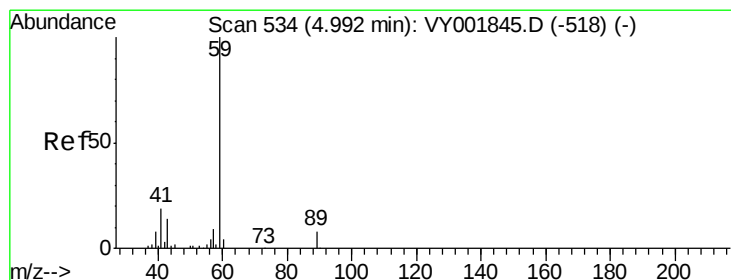
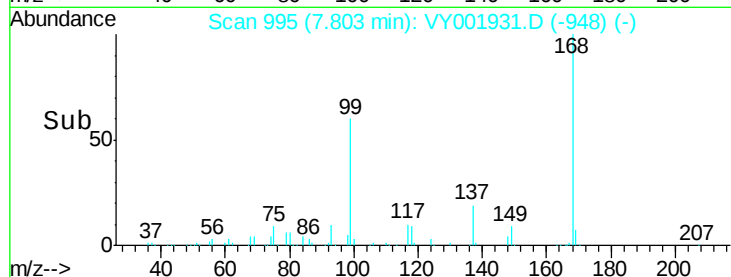
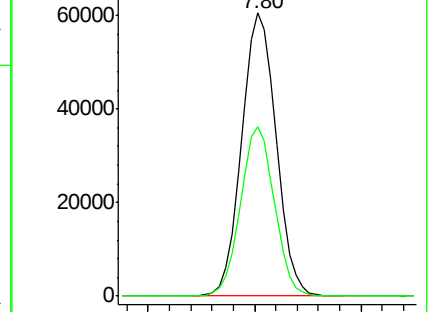
168 100

99 60.0 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001931.D

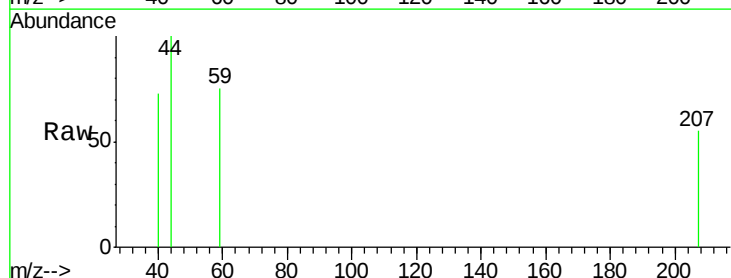
Acq: 10 Mar 2020 18:40

Tgt Ion: 59 Resp: 119

Ion Ratio Lower Upper

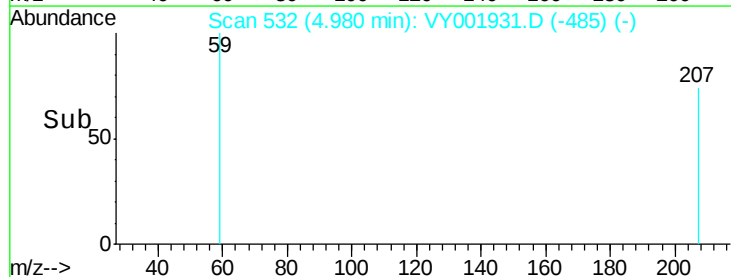
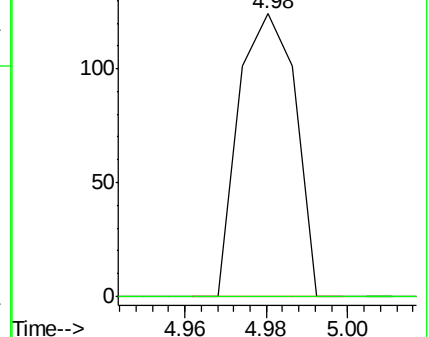
59 100

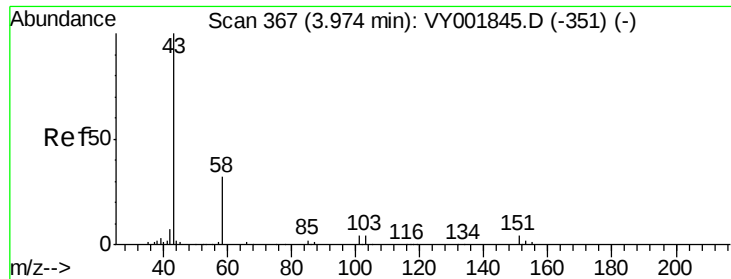
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 8.303 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY001931.D

Acq: 10 Mar 2020 18:40

Instrument :

MSVOA_Y

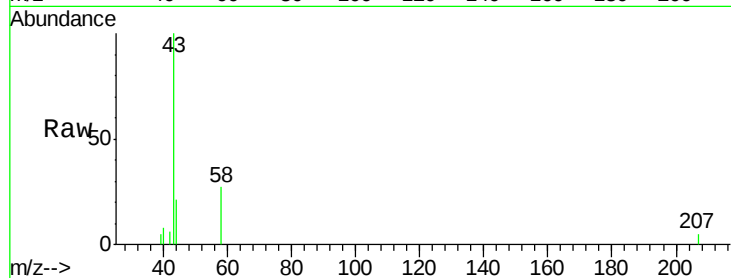
ClientSampled :

Tot Ion: 43 Resp: 3556

Ion Ratio Lower Upper

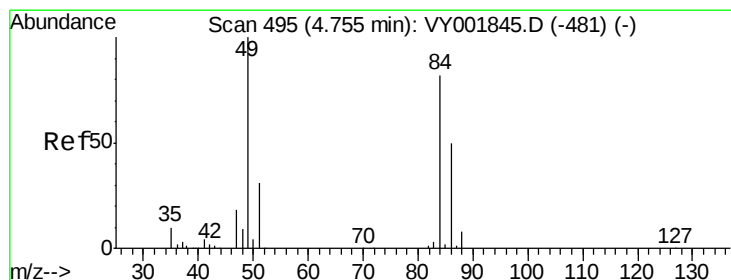
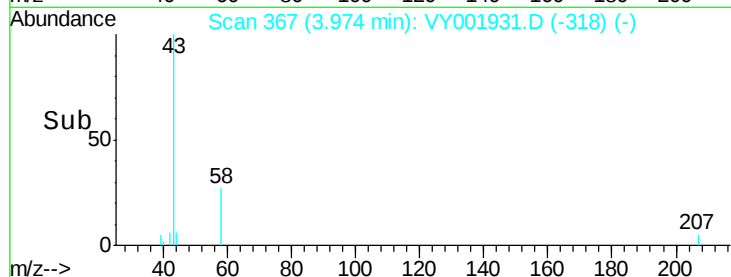
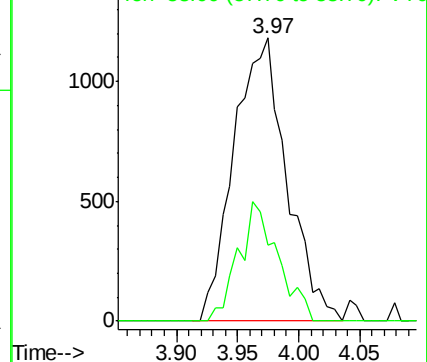
43 100

58 26.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 1.395 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY001931.D

Acq: 10 Mar 2020 18:40

Tgt Ion: 84 Resp: 2561

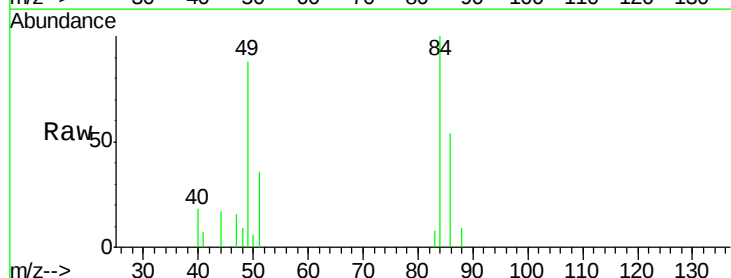
Ion Ratio Lower Upper

84 100

49 87.6 98.2 147.2#

51 36.0 30.2 45.2

86 53.8 48.9 73.3

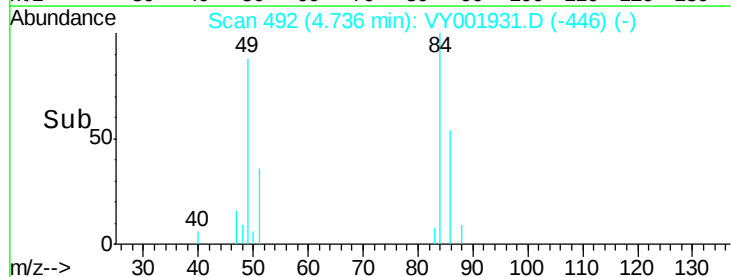
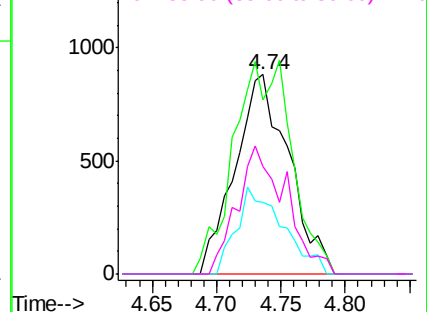


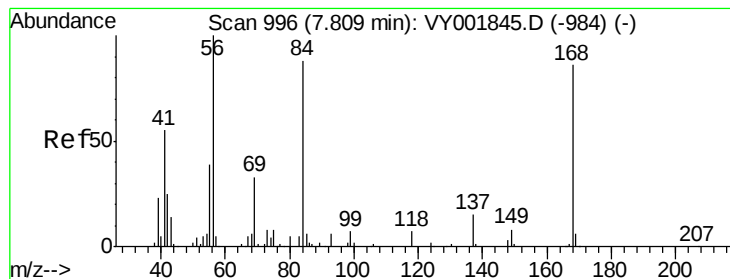
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.076 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001931.D

Acq: 10 Mar 2020 18:40

Instrument :

MSVOA_Y

ClientSampled :

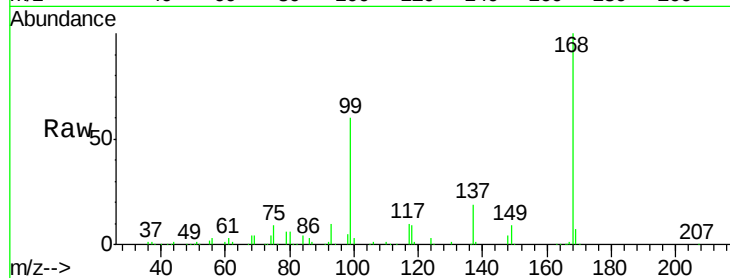
Tot Ion: 56 Resp: 3476

Ion Ratio Lower Upper

56 100

69 142.6 26.7 40.1#

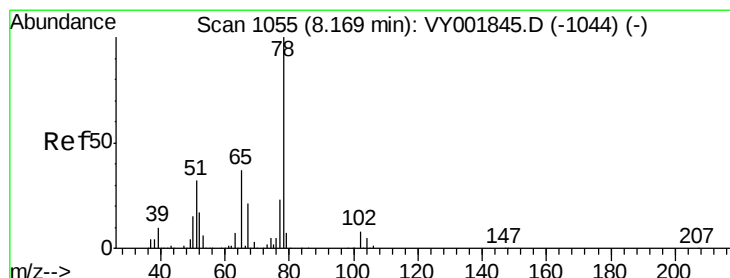
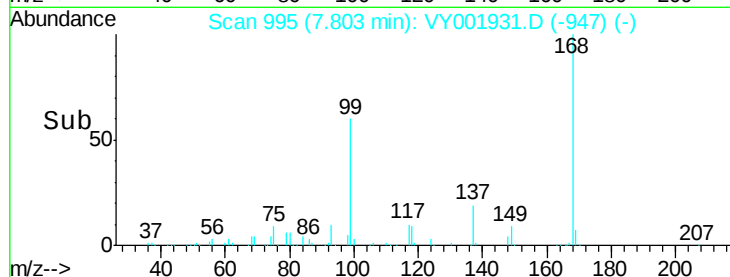
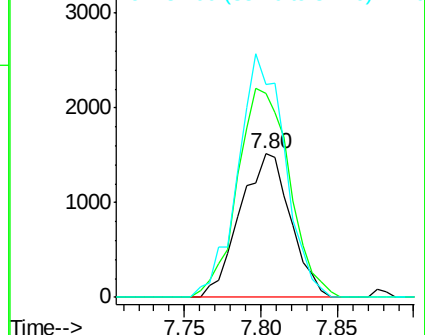
84 149.1 70.4 105.6#



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: 59.236 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001931.D

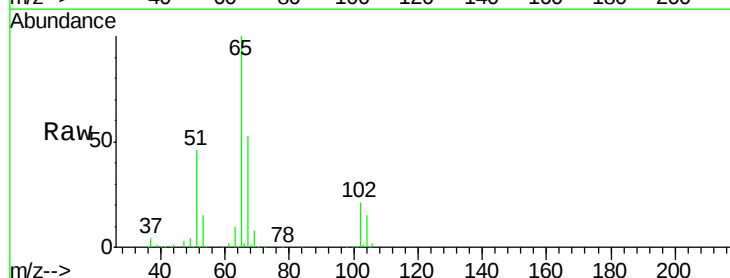
Acq: 10 Mar 2020 18:40

Tgt Ion: 65 Resp: 87102

Ion Ratio Lower Upper

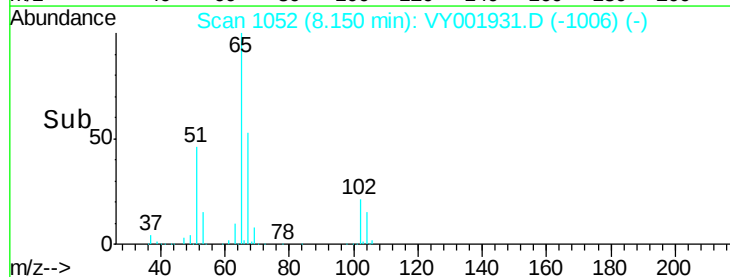
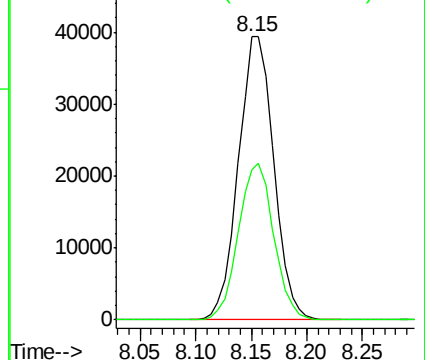
65 100

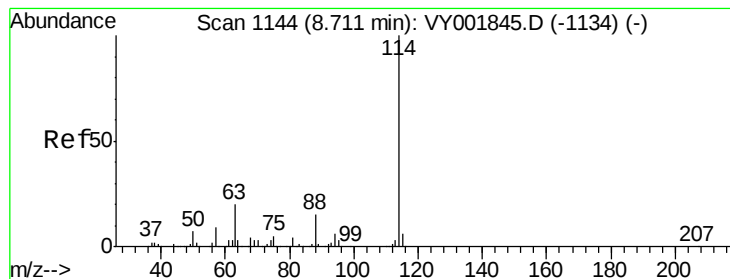
67 55.1 0.0 110.8



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: VY001931.D

Acq: 10 Mar 2020 18:40

Instrument :
MSVOA_Y
ClientSampleId :

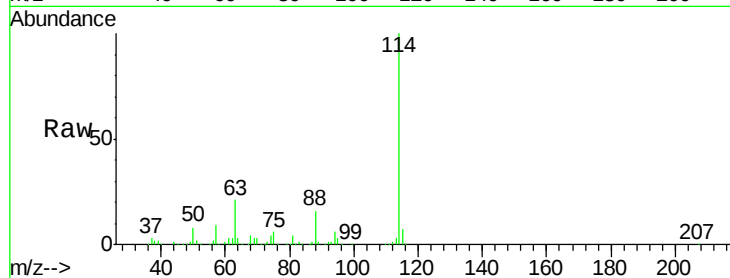
Tot Ion:114 Resp: 262648

Ion Ratio Lower Upper

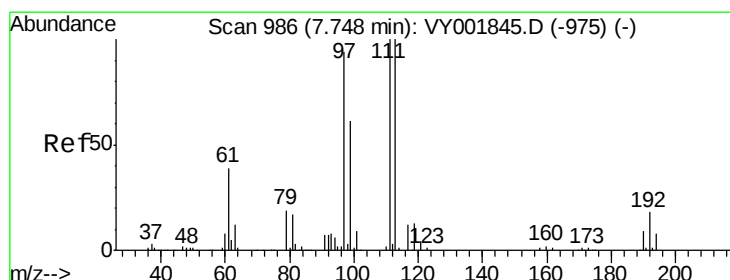
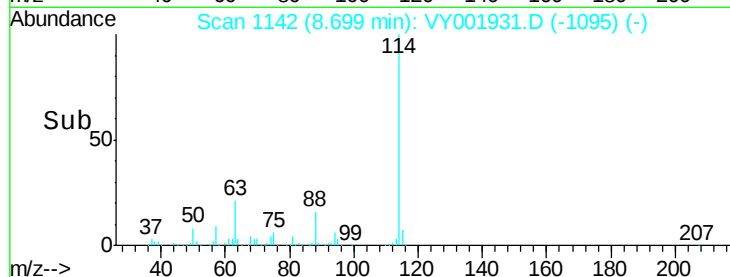
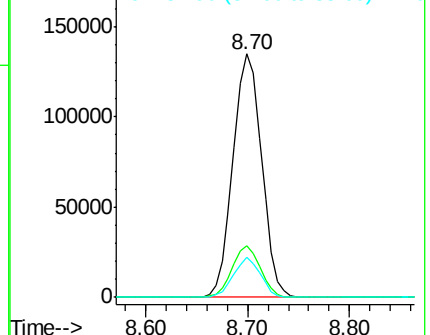
114 100

63 21.2 0.0 39.4

88 16.3 0.0 30.4



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: 53.947 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001931.D

Acq: 10 Mar 2020 18:40

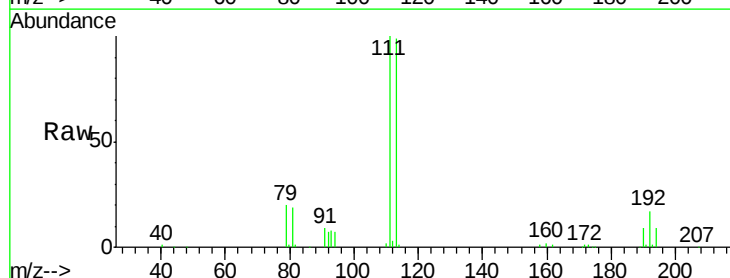
Tgt Ion:113 Resp: 77370

Ion Ratio Lower Upper

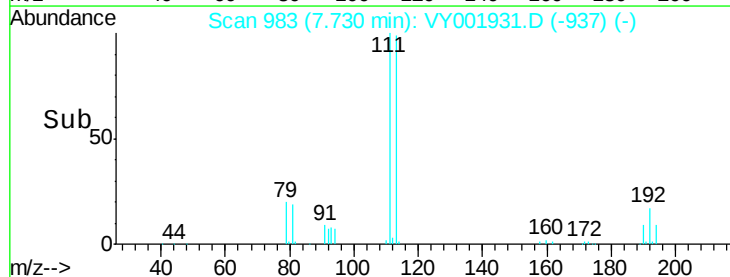
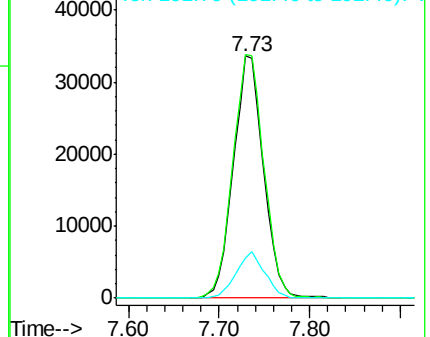
113 100

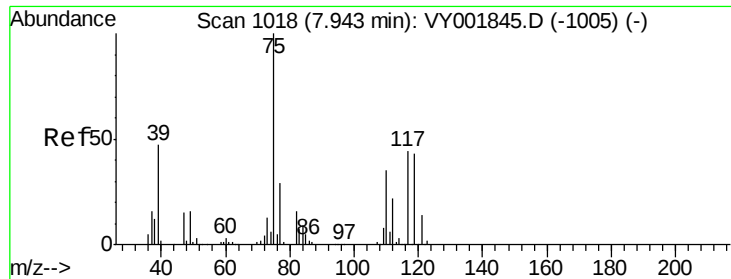
111 103.7 81.8 122.8

192 18.2 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

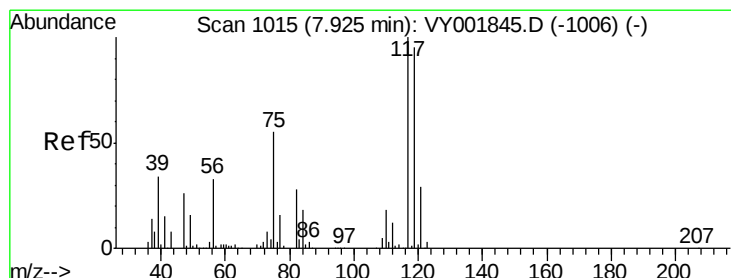
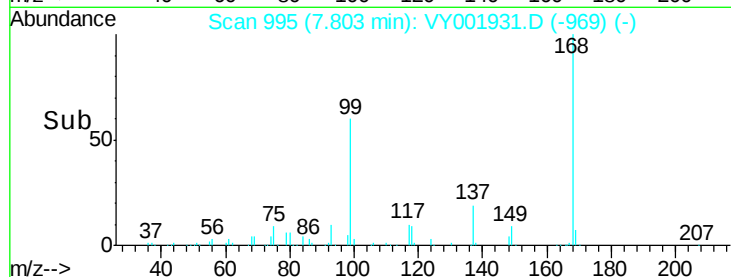
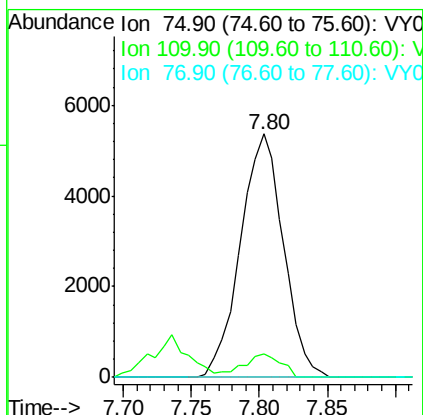
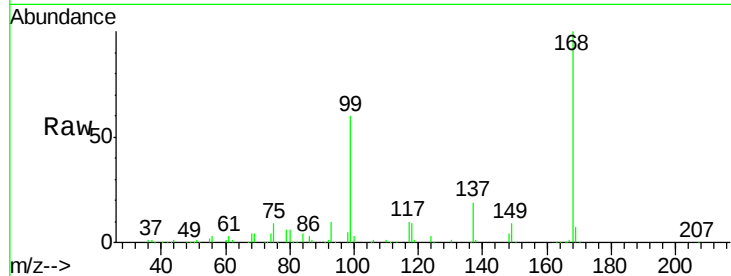




#36
 1,1-Dichloropropene
 Concen: 4.690 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001931.D
 Acq: 10 Mar 2020 18:40

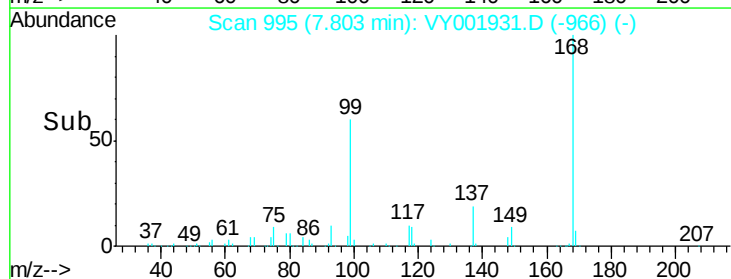
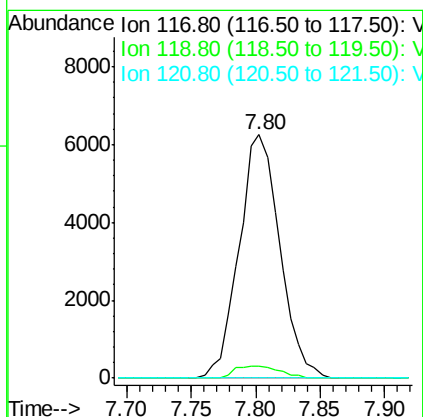
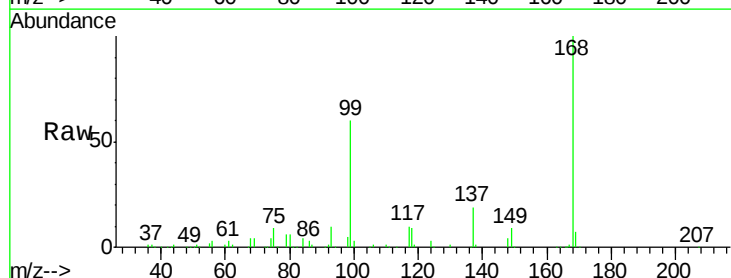
Instrument :
 MSVOA_Y
 ClientSampled :

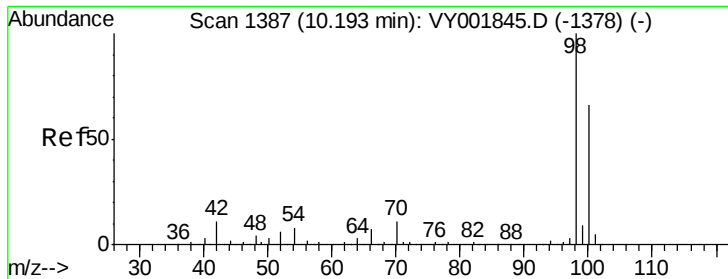
Tot Ion	75	Resp	11854
Ion Ratio	100	Lower	Upper
75	100		
110	8.2	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.347 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001931.D
 Acq: 10 Mar 2020 18:40

Tgt Ion	117	Resp	13704
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.518 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001931.D

Acq: 10 Mar 2020 18:40

Instrument :

MSVOA_Y

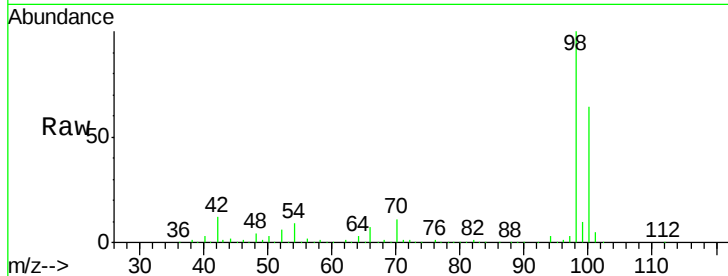
ClientSampleId :

Tot Ion: 98 Resp: 317614

Ion Ratio Lower Upper

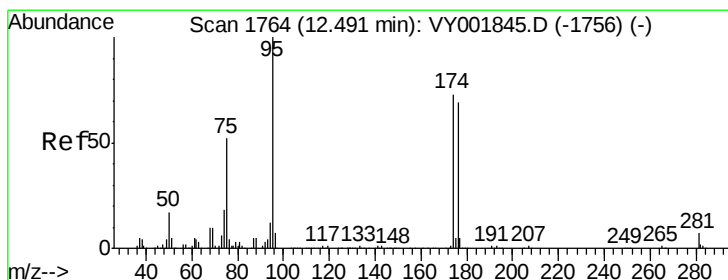
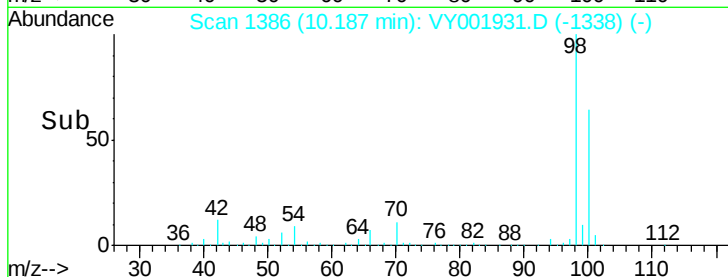
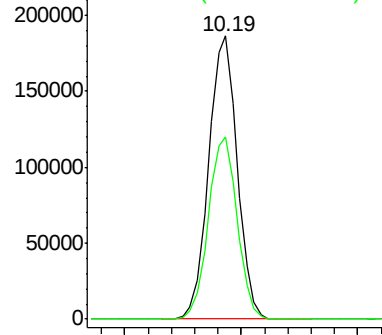
98 100

100 65.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 49.491 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001931.D

Acq: 10 Mar 2020 18:40

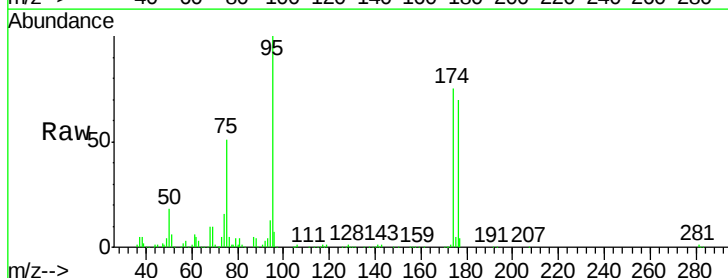
Tgt Ion: 95 Resp: 104073

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.0

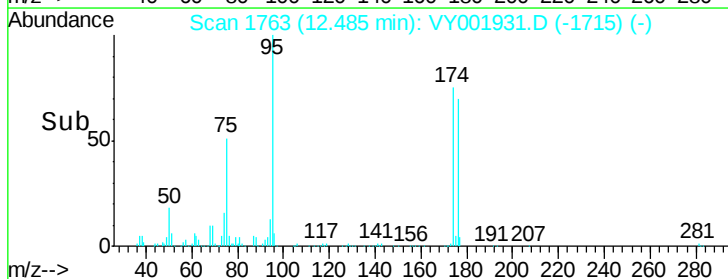
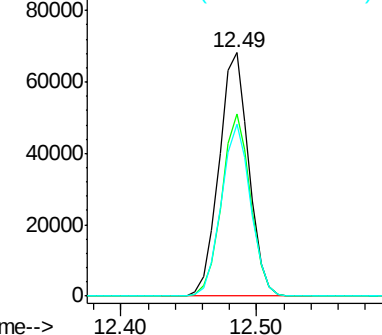
176 69.9 0.0 137.4

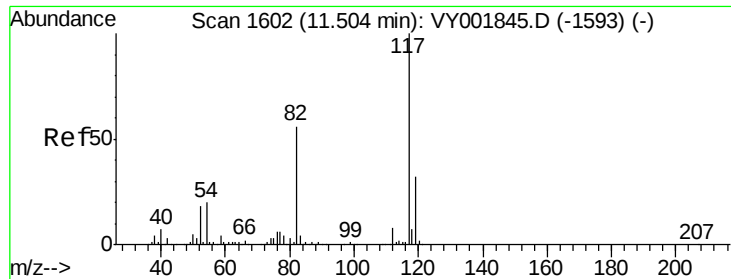


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

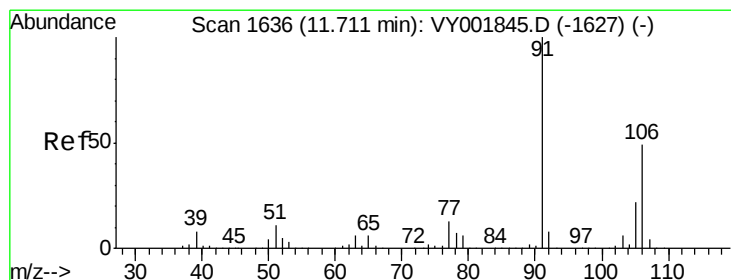
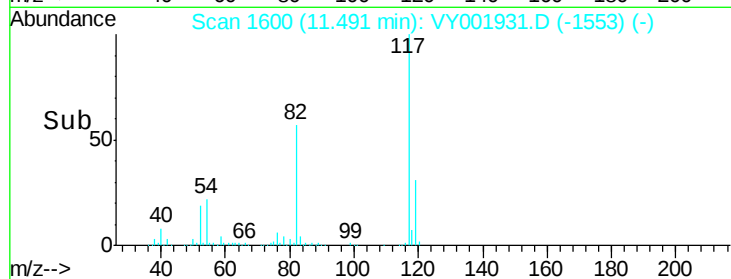
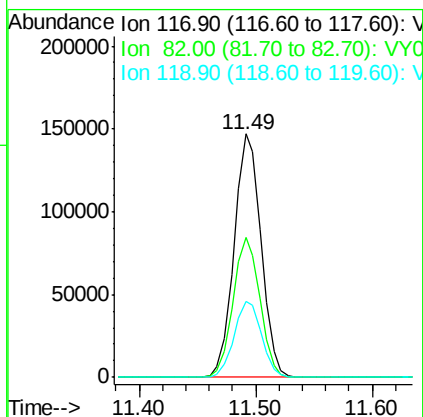
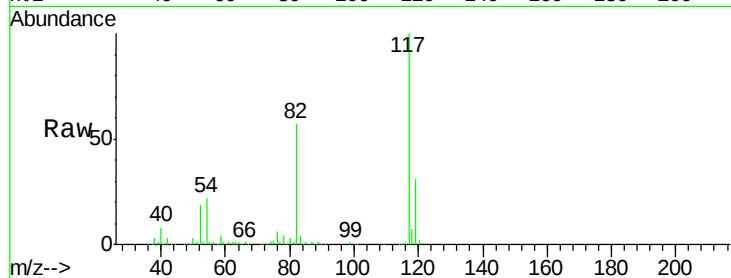




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001931.D
Acq: 10 Mar 2020 18:40

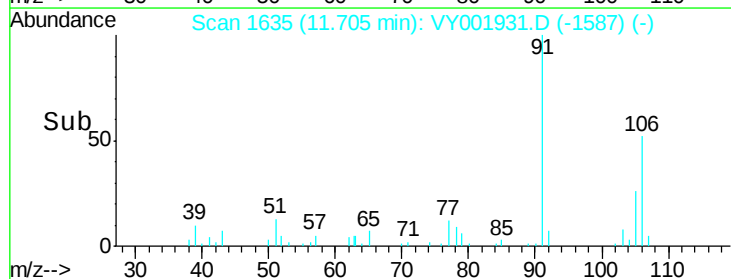
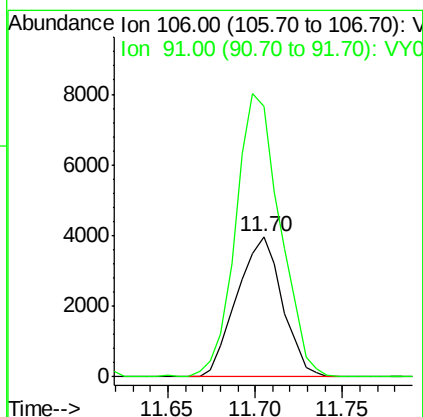
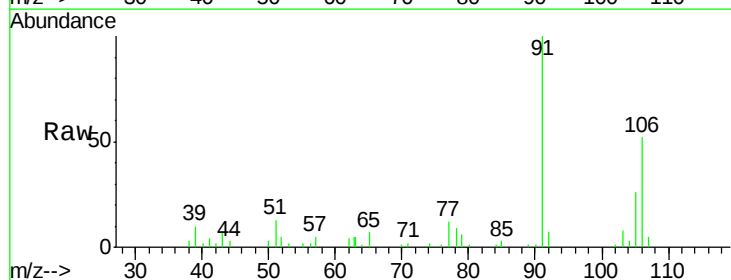
Instrument :
MSVOA_Y
ClientSampleId :

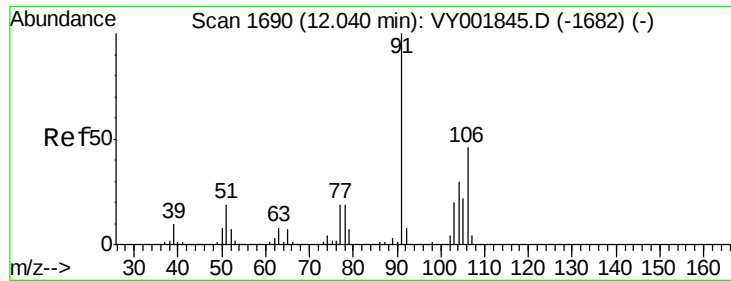
Tot Ion:117 Resp: 236577
Ion Ratio Lower Upper
117 100
82 57.3 44.5 66.7
119 31.3 25.7 38.5



#68
m/p-Xylenes
Concen: 2.205 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001931.D
Acq: 10 Mar 2020 18:40

Tgt Ion:106 Resp: 7166
Ion Ratio Lower Upper
106 100
91 198.2 161.3 241.9

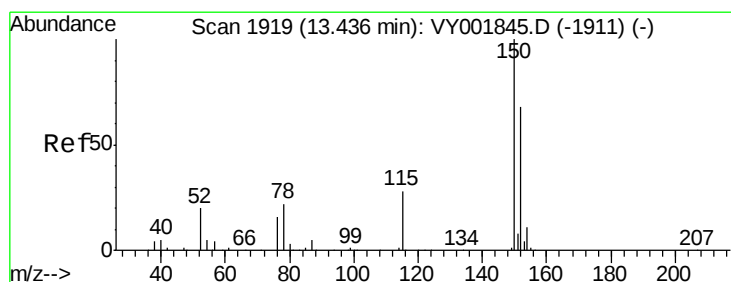
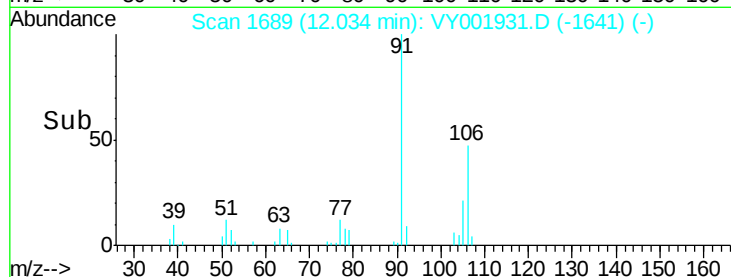
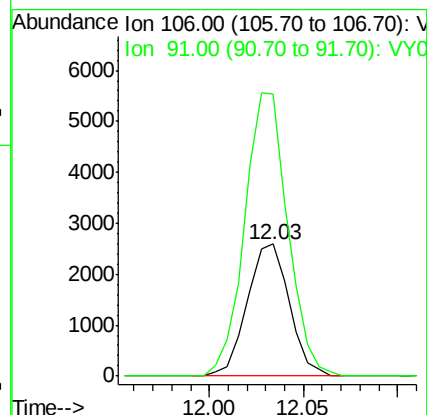
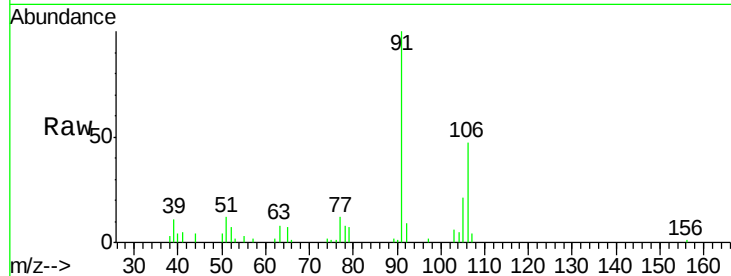




#69
o-Xylene
Concen: 1.306 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001931.D
Acq: 10 Mar 2020 18:40

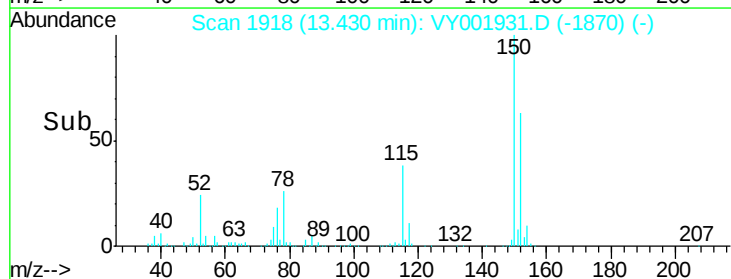
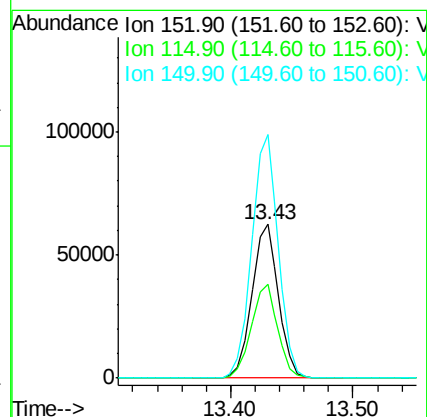
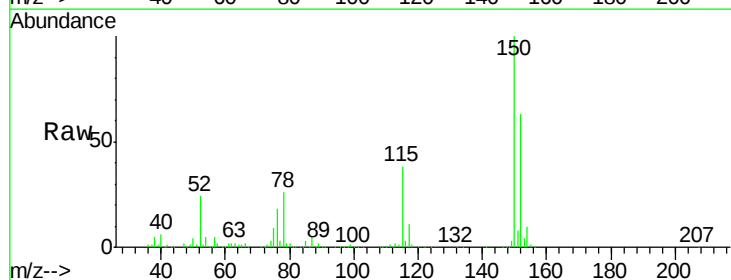
Instrument :
MSVOA_Y
ClientSampled :

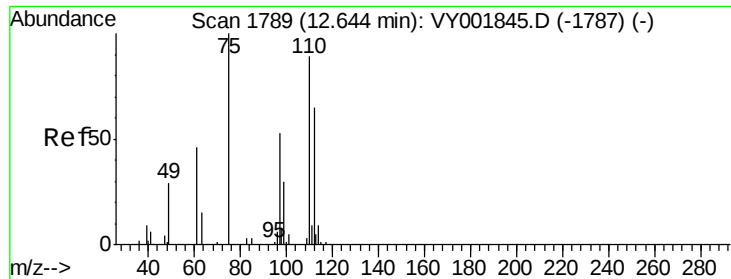
Tot Ion:106 Resp: 4002
Ion Ratio Lower Upper
106 100
91 219.7 106.8 320.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001931.D
Acq: 10 Mar 2020 18:40

Tgt Ion:152 Resp: 93797
Ion Ratio Lower Upper
152 100
115 61.1 29.9 89.7
150 158.7 0.0 340.6

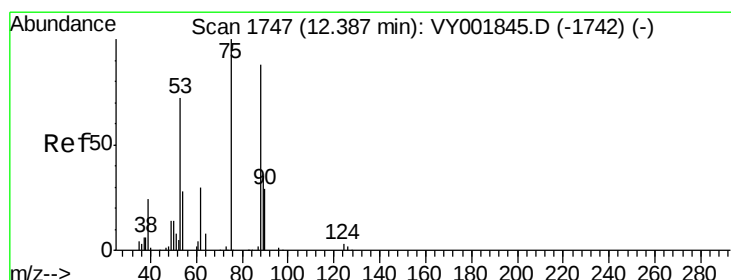
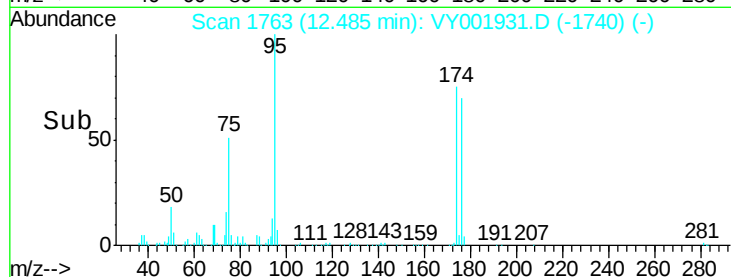
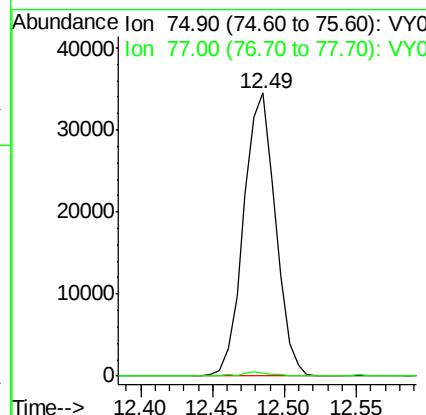
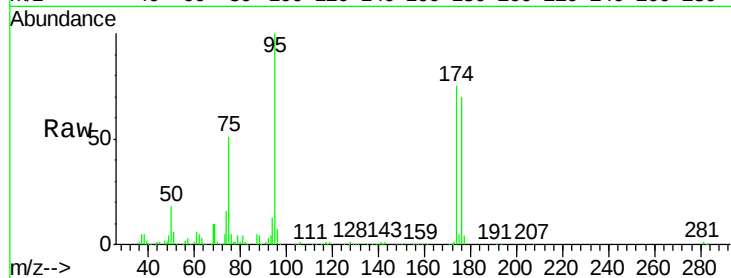




#76
 1,2,3-Trichloropropane
 Concen: 47.397 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001931.D
 Acq: 10 Mar 2020 18:40

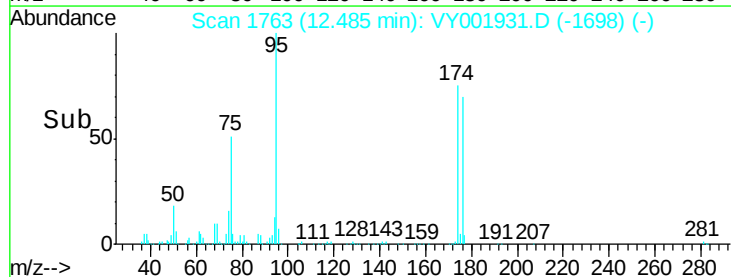
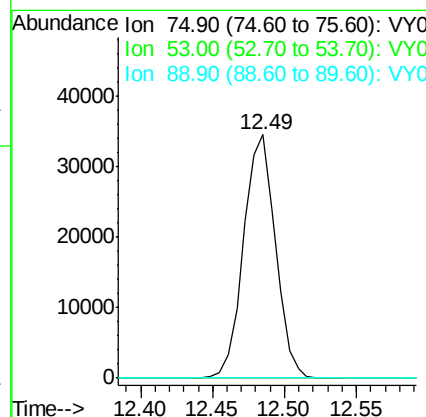
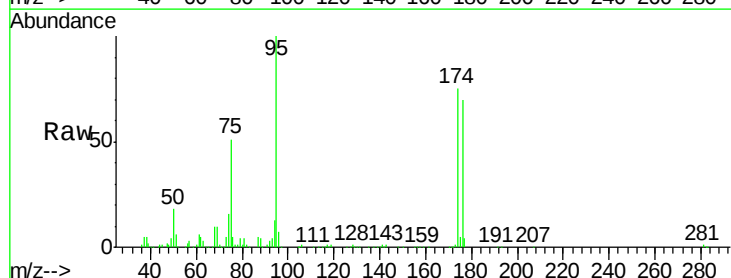
Instrument :
 MSVOA_Y
 ClientSampleId :

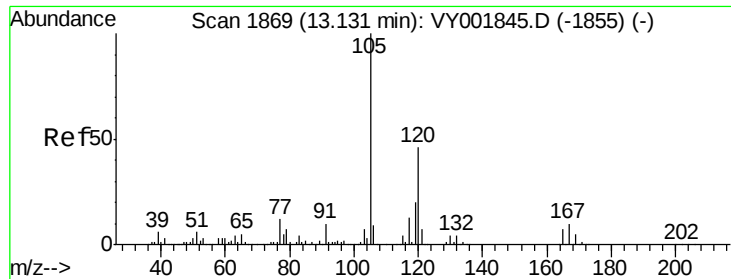
Tot Ion: 75 Resp: 52751
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.739 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY001931.D
 Acq: 10 Mar 2020 18:40

Tgt Ion: 75 Resp: 52751
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.0 36.0 54.0#

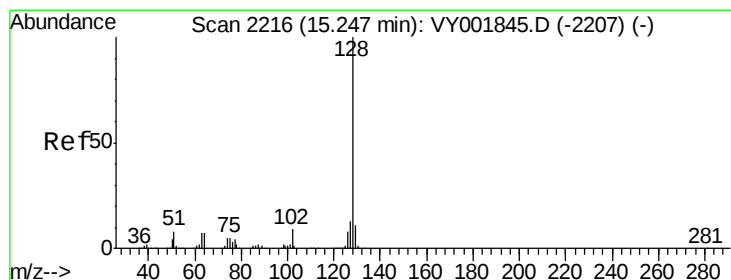
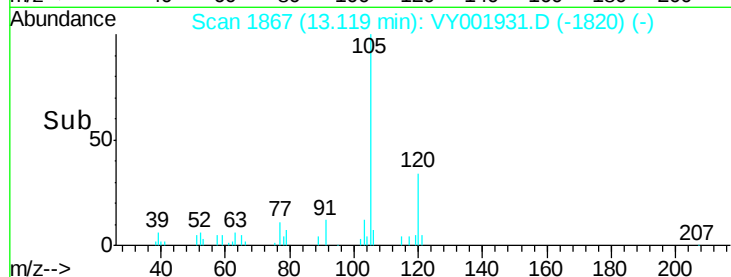
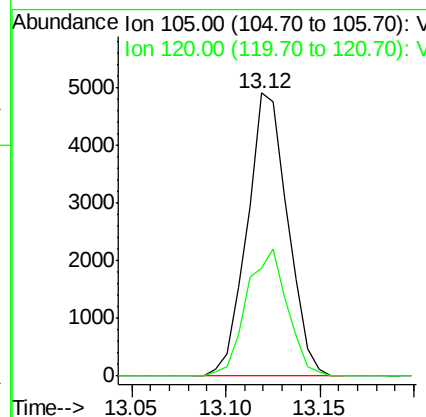
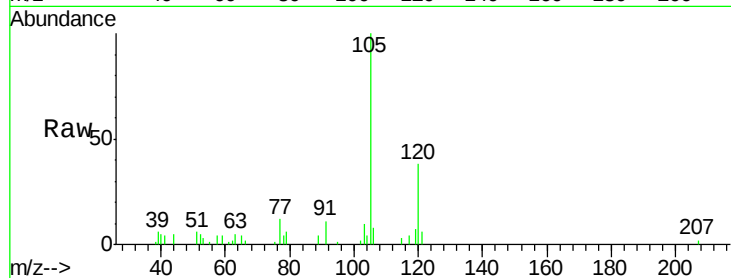




#84
 1,2,4-Trimethylbenzene
 Concen: 1.250 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY001931.D
 Acq: 10 Mar 2020 18:40

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:105 Resp: 7310
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.7



#95
 Naphthalene
 Concen: 11.562 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY001931.D
 Acq: 10 Mar 2020 18:40

Tgt Ion:128 Resp: 48031
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.1 15.1
 129 10.5 8.6 13.0

