

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002312.D
 Acq On : 14 Apr 2020 16:33
 Operator : SY/MD
 Sample : L2229-31RE
 Misc : 5.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:36:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	134792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	253720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	185741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	48772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	70232	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
35) Dibromofluoromethane	7.74	113	76857	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.19	98	299082	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	12.49	95	65344	31.34	ug/l	0.00
Spiked Amount			Recovery	=	62.68%	

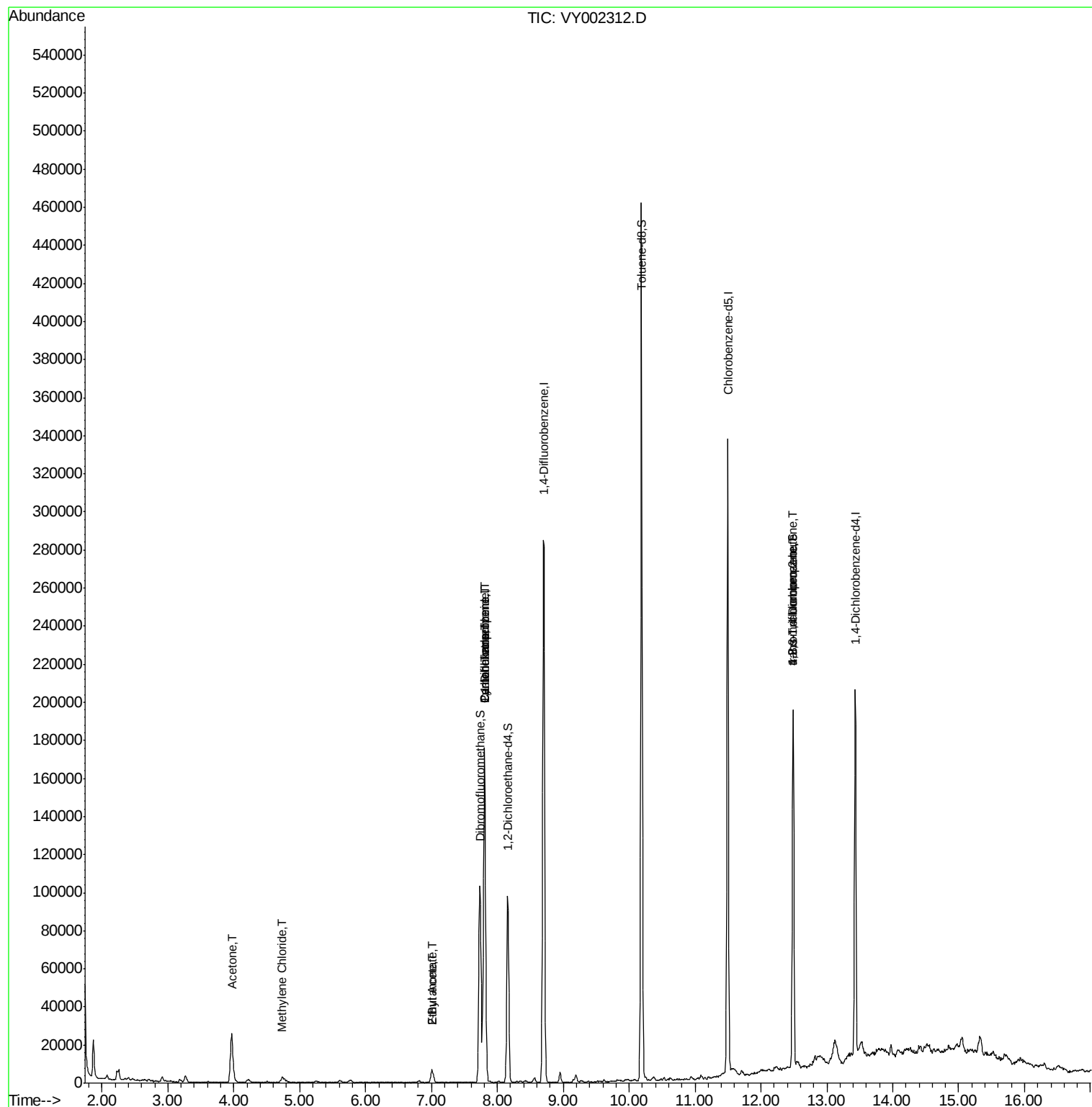
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	20	Below Cal	#	1
16) Acetone	3.97	43	44608	112.987	ug/l	99
20) Methylene Chloride	4.74	84	1989	1.025	ug/l #	82
25) 2-Butanone	7.01	43	11384	18.220	ug/l	93
31) Cyclohexane	7.80	56	3699	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11112	4.446	ug/l #	49
37) Ethyl Acetate	7.01	43	11384	7.974	ug/l #	69
38) Carbon Tetrachloride	7.80	117	13260	6.203	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	30863	54.495	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	30863	105.991	ug/l #	19

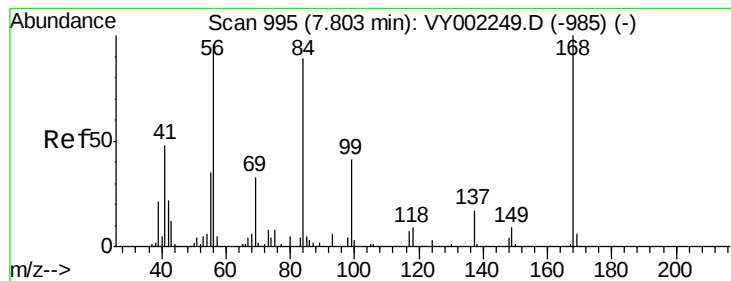
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 15 05:36:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

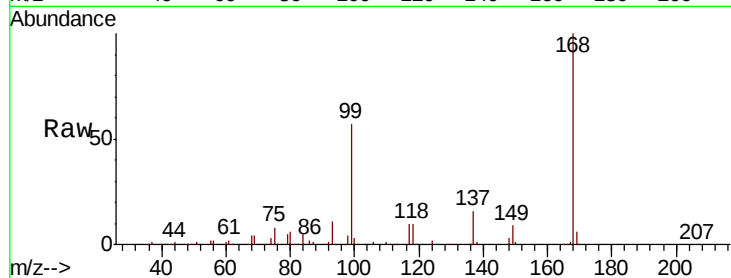
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 134792

Ion Ratio Lower Upper

168 100

99 56.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

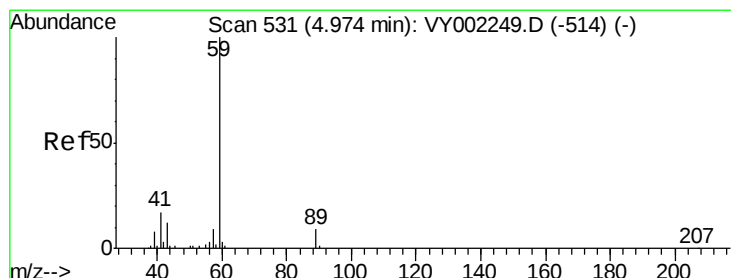
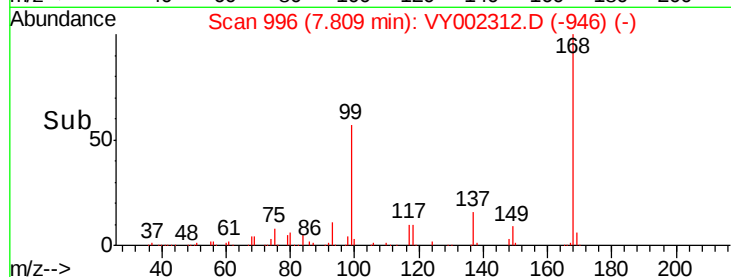
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.75 min Scan# 494

Delta R.T. -0.23 min

Lab File: VY002312.D

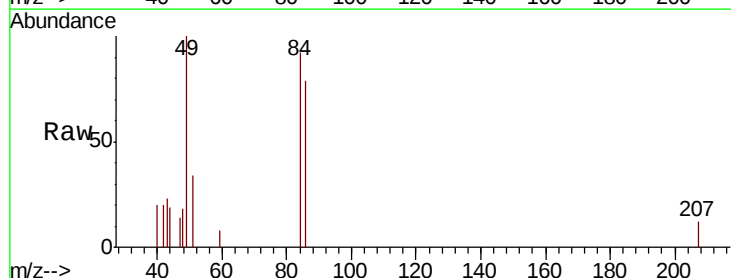
Acq: 14 Apr 2020 16:33

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 130.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.75

80

60

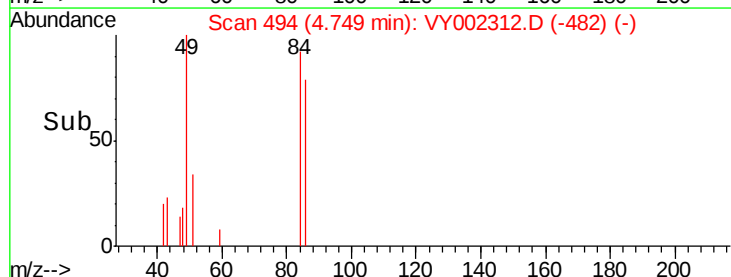
40

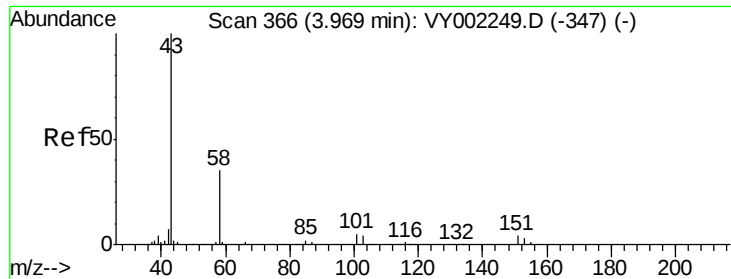
20

0

Time-->

4.73 4.74 4.75 4.76





#16

Acetone

Concen: 112.987 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

Instrument :

MSVOA_Y

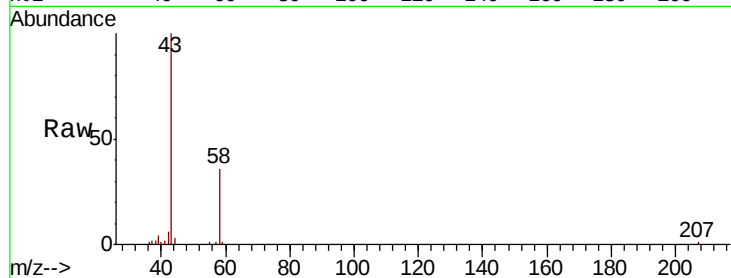
ClientSampleId :

Tot Ion: 43 Resp: 44608

Ion Ratio Lower Upper

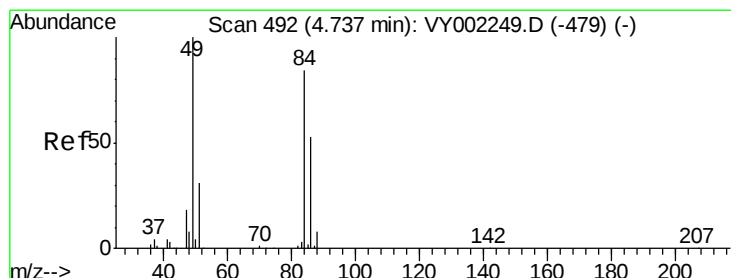
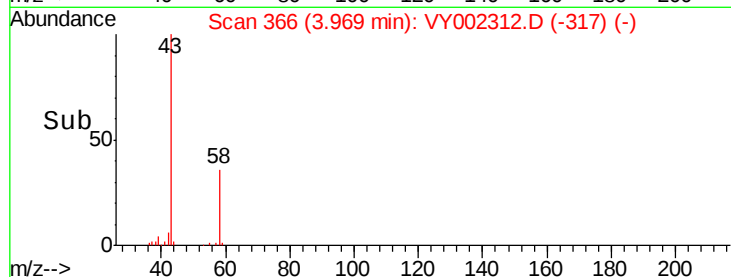
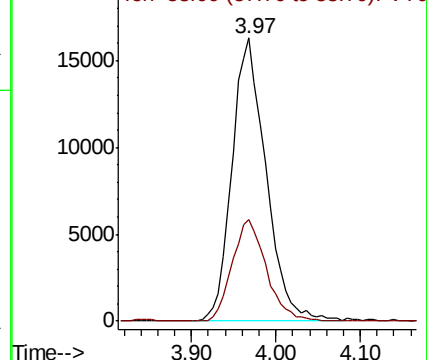
43 100

58 35.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)



#20

Methylene Chloride

Concen: 1.025 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

Tgt Ion: 84 Resp: 1989

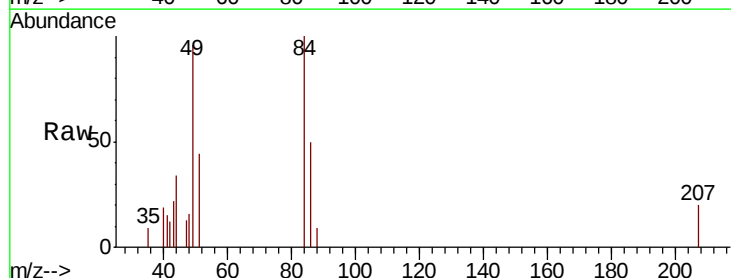
Ion Ratio Lower Upper

84 100

49 96.0 95.5 143.3

51 43.7 29.5 44.3

86 50.2 50.7 76.1#

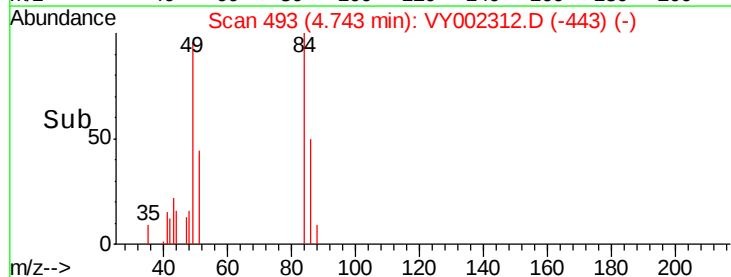
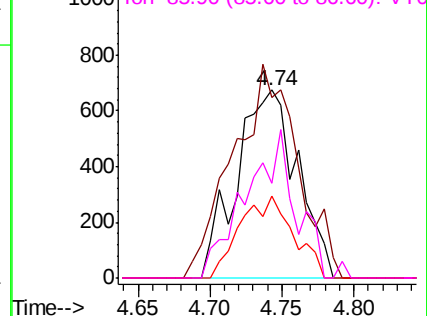


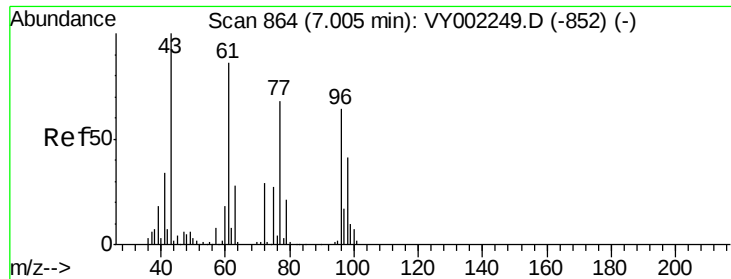
Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002249.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002249.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002249.D (-479) (-)





#25

2-Butanone

Concen: 18.220 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

Instrument :

MSVOA_Y

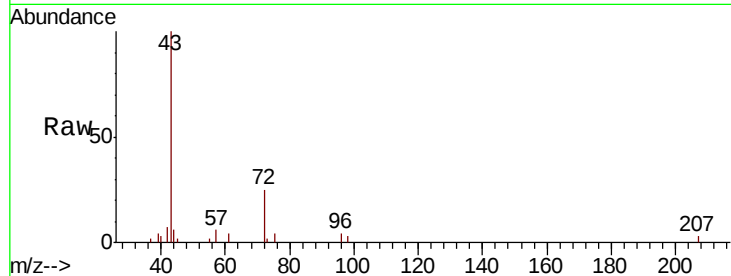
ClientSampleId :

Tot Ion: 43 Resp: 11384

Ion Ratio Lower Upper

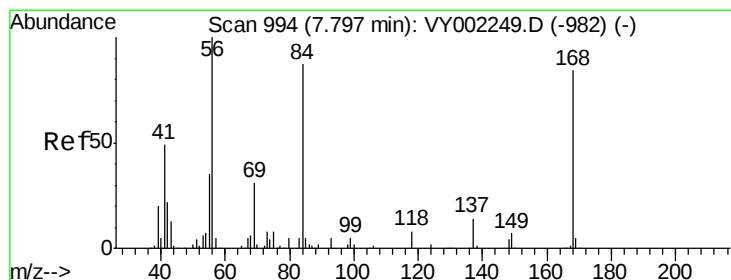
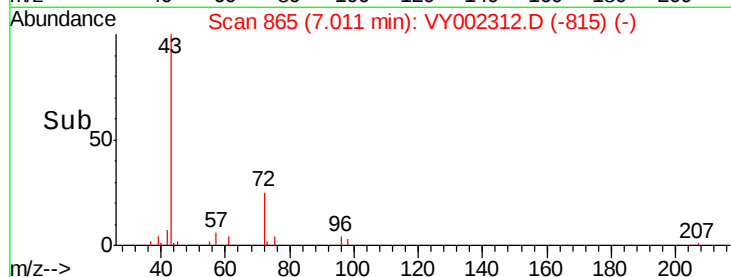
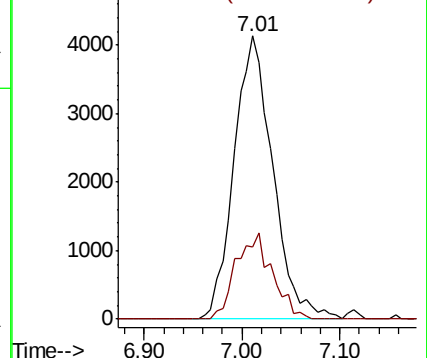
43 100

72 25.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

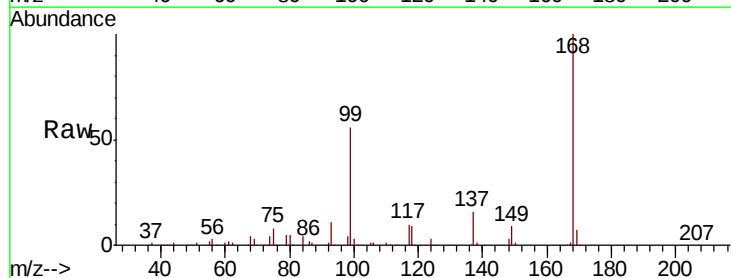
Tgt Ion: 56 Resp: 3699

Ion Ratio Lower Upper

56 100

69 123.7 25.0 37.6#

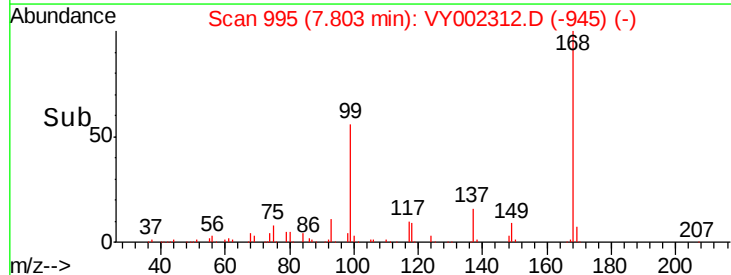
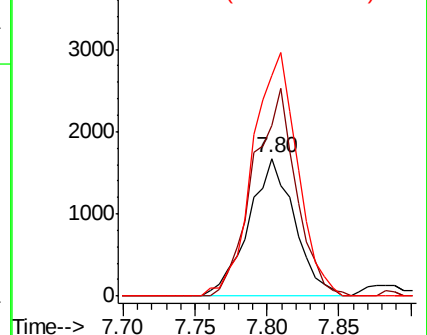
84 159.9 69.7 104.5#

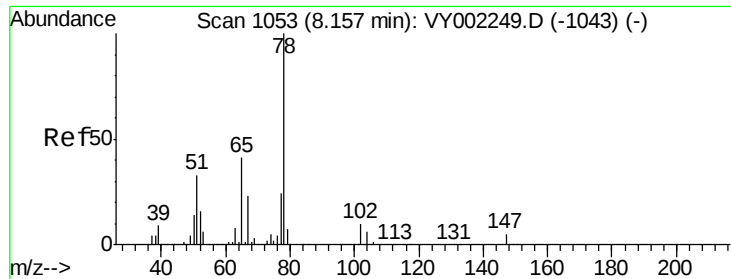


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 46.853 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

Instrument :

MSVOA_Y

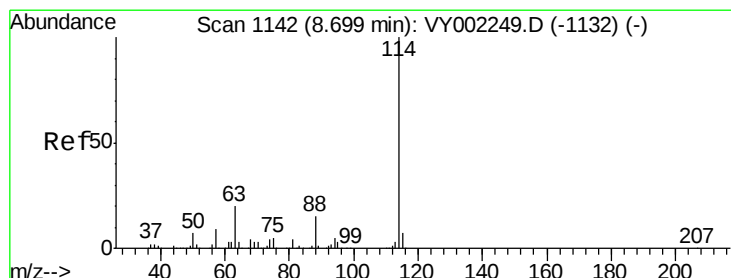
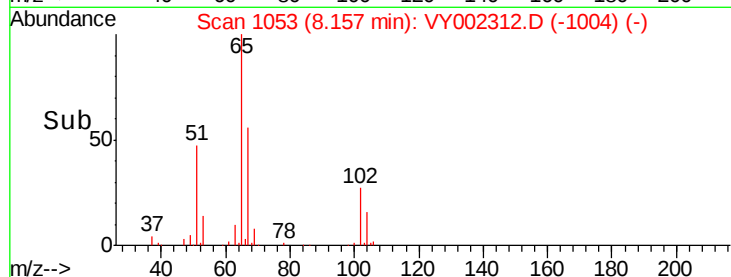
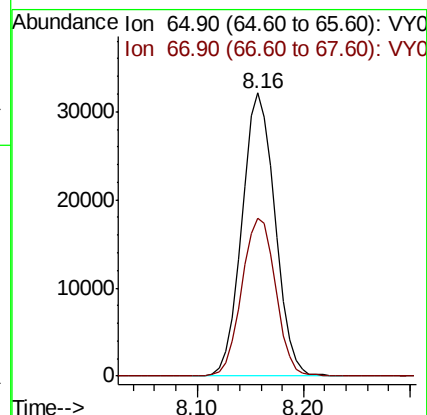
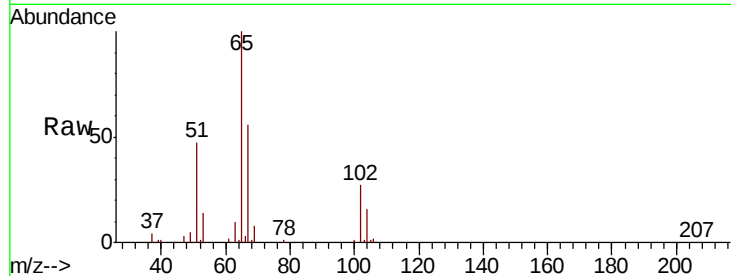
ClientSampleId :

Tot Ion: 65 Resp: 70232

Ion Ratio Lower Upper

65 100

67 57.2 0.0 114.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

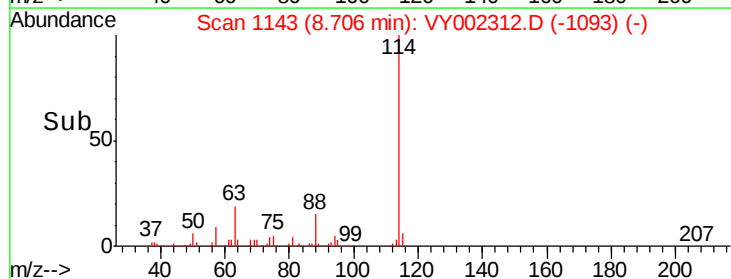
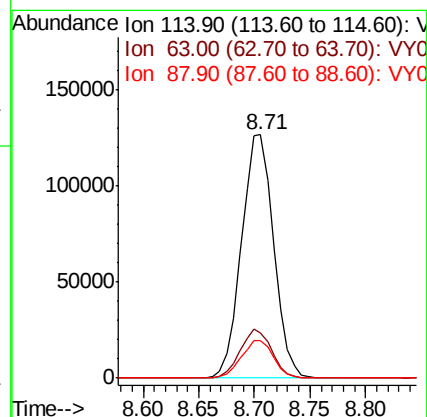
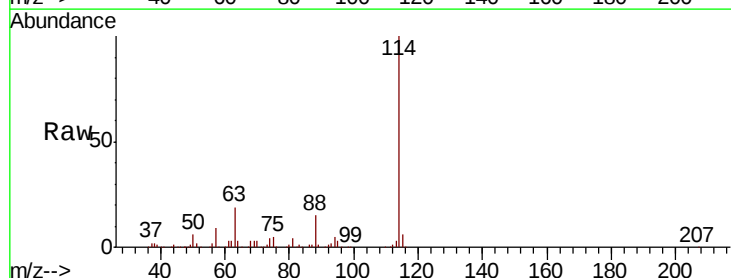
Tgt Ion: 114 Resp: 253720

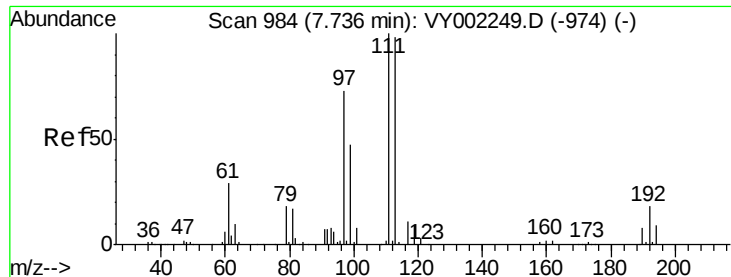
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.0

88 15.4 0.0 31.0

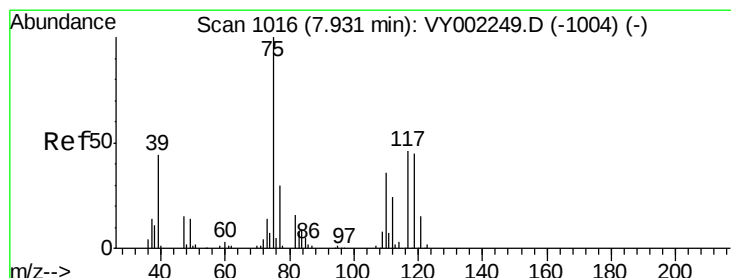
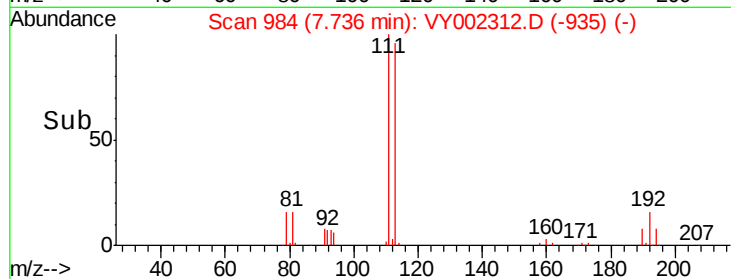
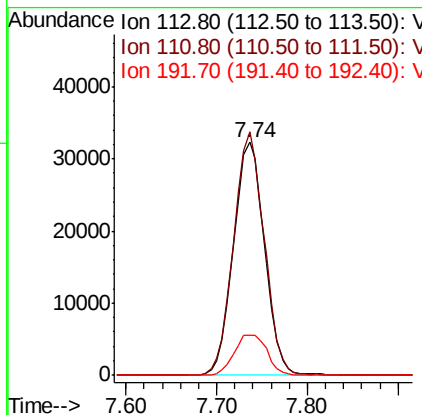
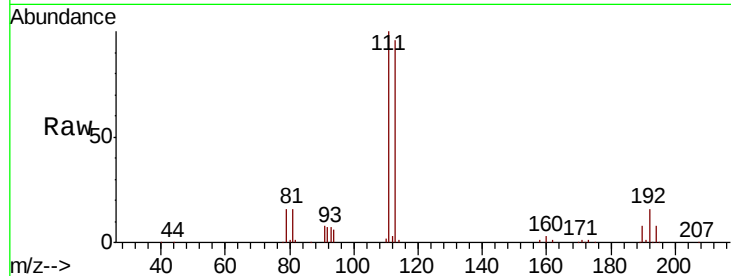




#35
 Dibromofluoromethane
 Concen: 50.908 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002312.D
 Acq: 14 Apr 2020 16:33

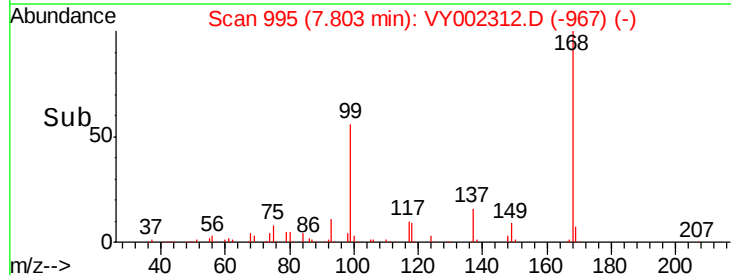
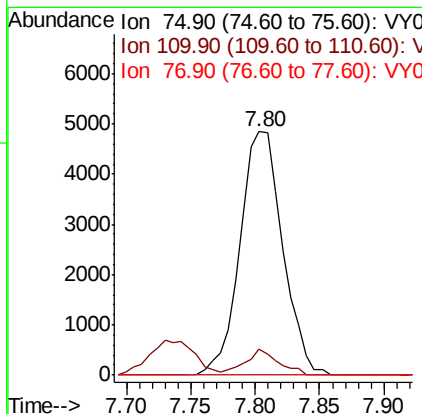
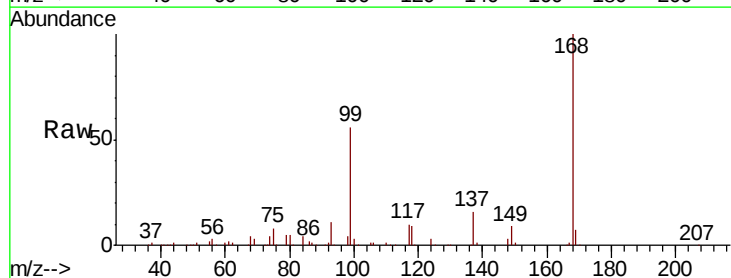
Instrument :
 MSVOA_Y
 ClientSampleId :

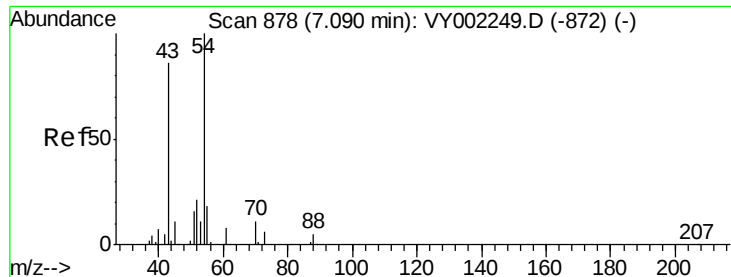
Tot Ion:113 Resp: 76857
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.5 125.3
 192 18.1 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.446 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002312.D
 Acq: 14 Apr 2020 16:33

Tgt Ion: 75 Resp: 11112
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.8 53.3#
 77 0.0 24.4 36.6#

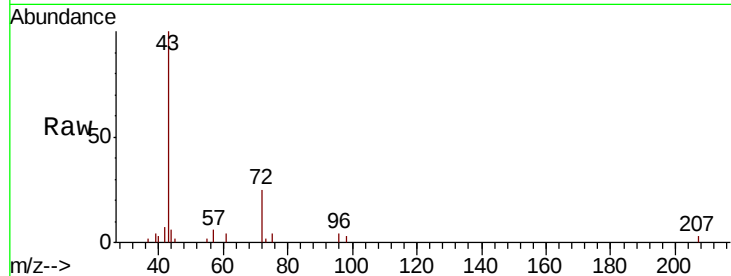




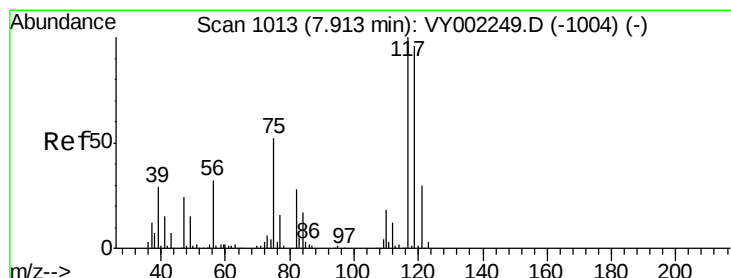
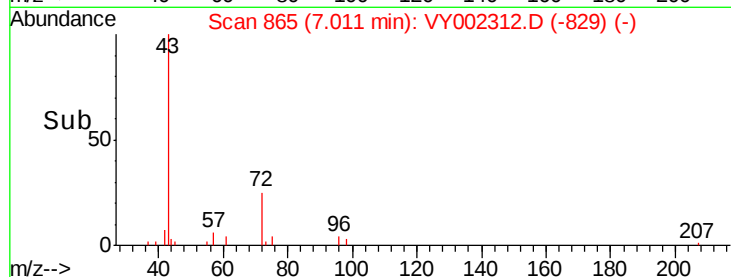
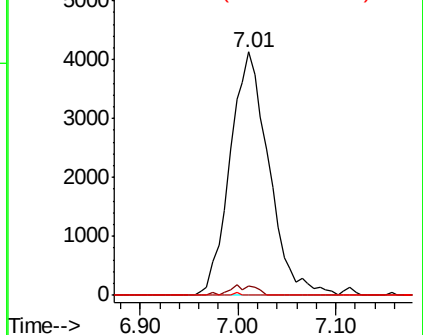
#37
Ethyl Acetate
Concen: 7.974 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.08 min
Lab File: VY002312.D
Acq: 14 Apr 2020 16:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 11384
Ion Ratio Lower Upper
43 100
61 1.6 11.8 17.6#
70 0.2 9.1 13.7#

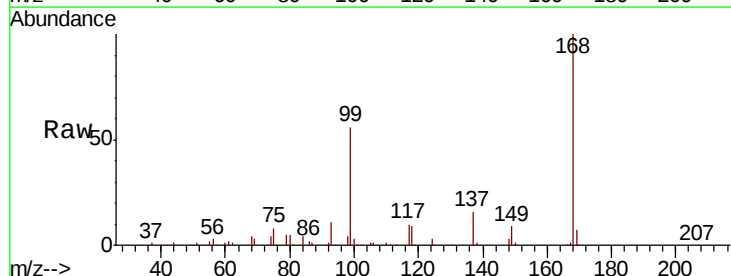


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

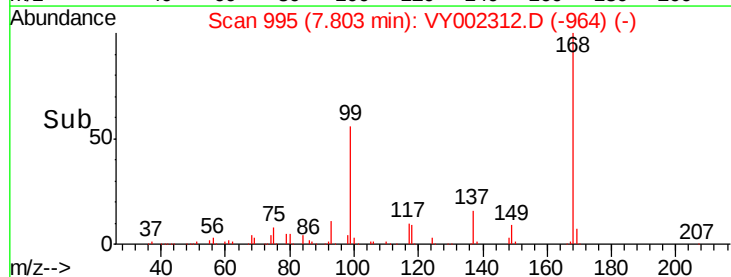
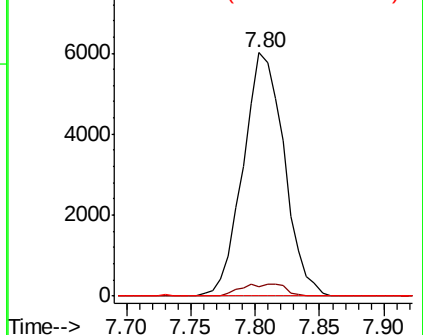


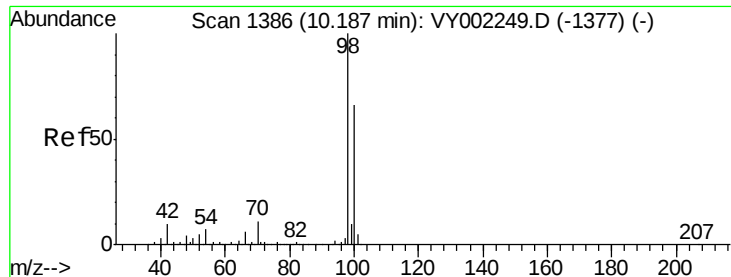
#38
Carbon Tetrachloride
Concen: 6.203 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY002312.D
Acq: 14 Apr 2020 16:33

Tgt Ion: 117 Resp: 13260
Ion Ratio Lower Upper
117 100
119 3.8 77.1 115.7#
121 0.0 23.9 35.9#



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: 47.330 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

Instrument :

MSVOA_Y

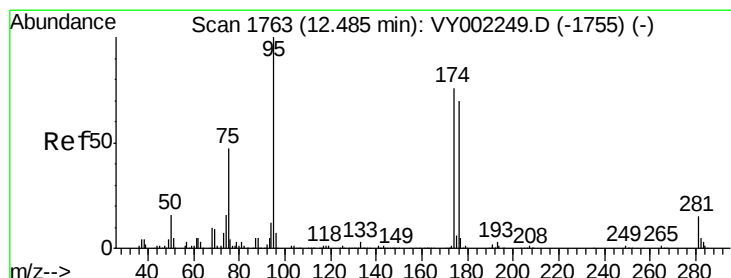
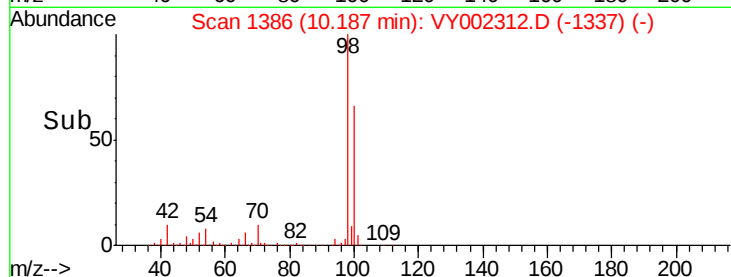
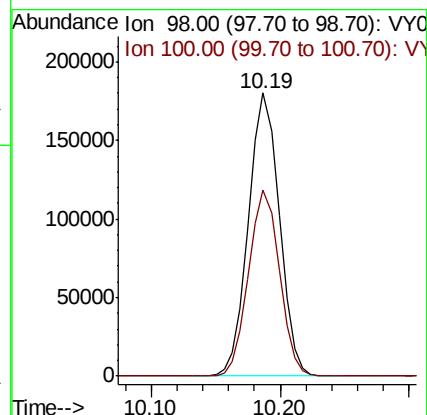
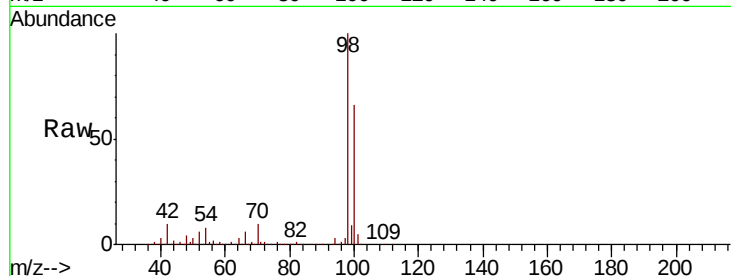
ClientSampleId :

Tot Ion: 98 Resp: 299082

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 31.344 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002312.D

Acq: 14 Apr 2020 16:33

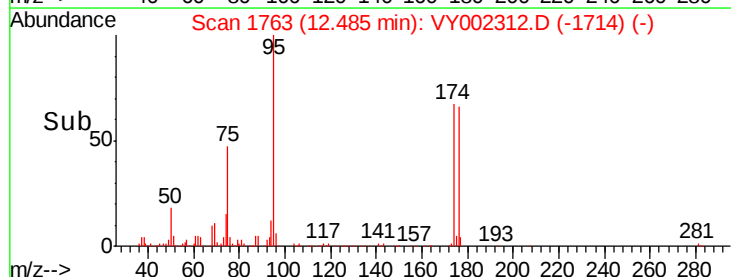
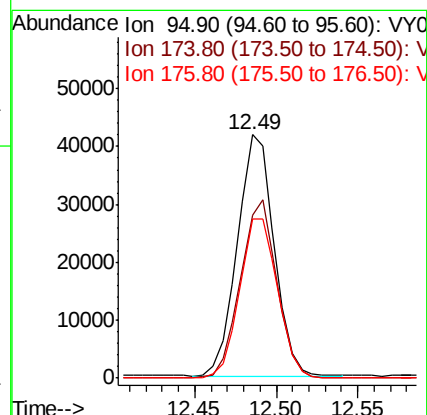
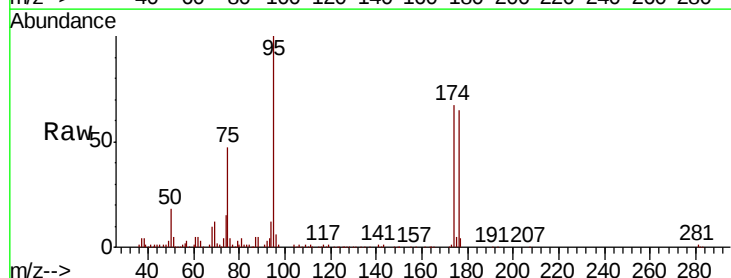
Tgt Ion: 95 Resp: 65344

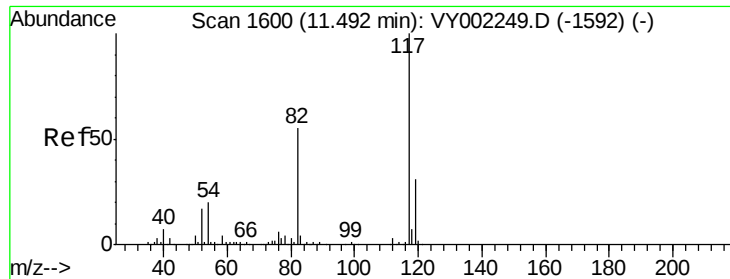
Ion Ratio Lower Upper

95 100

174 72.9 0.0 150.6

176 68.6 0.0 141.4

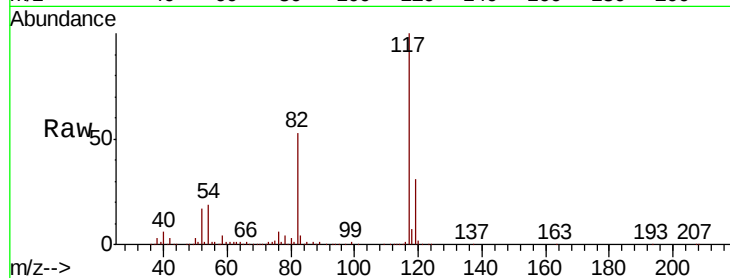




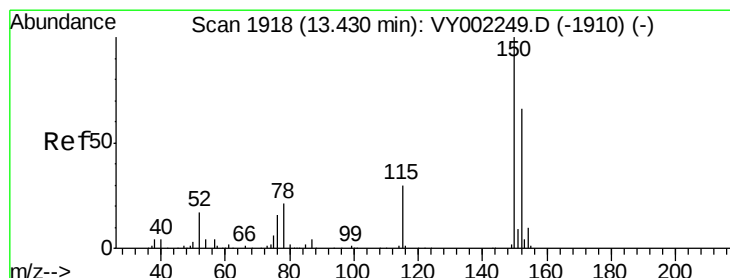
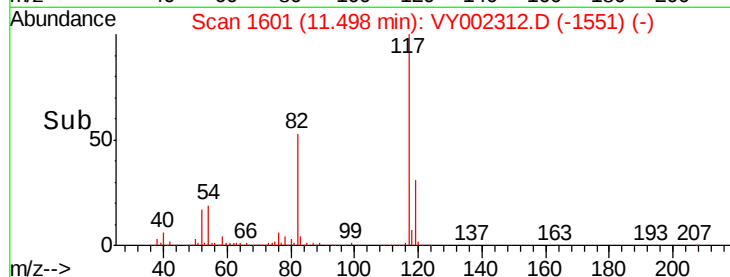
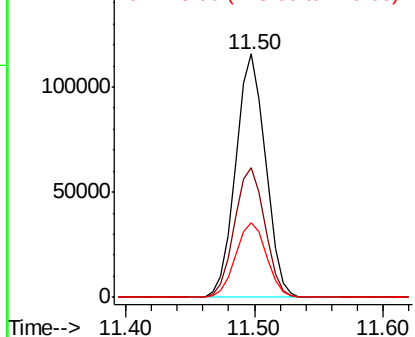
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002312.D
Acq: 14 Apr 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 185741
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.4
119 30.8 25.1 37.7

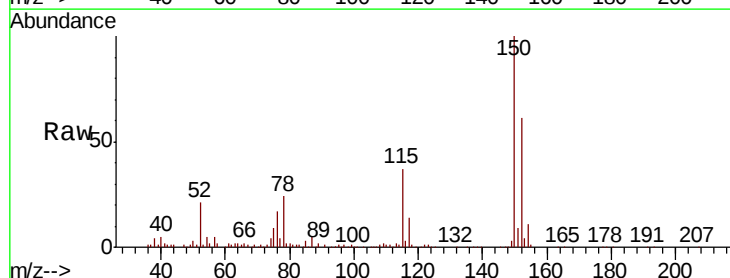


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

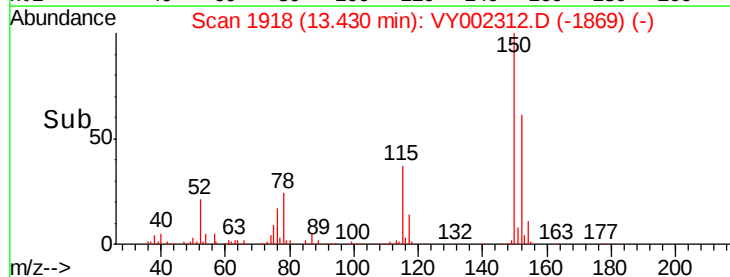
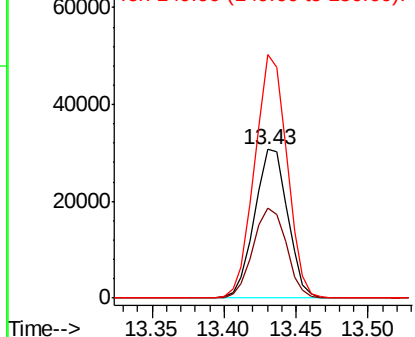


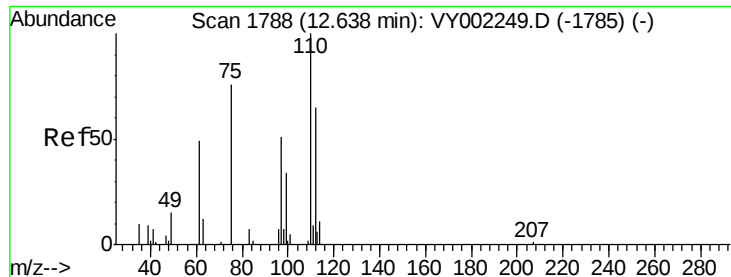
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002312.D
Acq: 14 Apr 2020 16:33

Tgt Ion:152 Resp: 48772
Ion Ratio Lower Upper
152 100
115 61.0 30.7 92.1
150 159.7 0.0 350.6



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

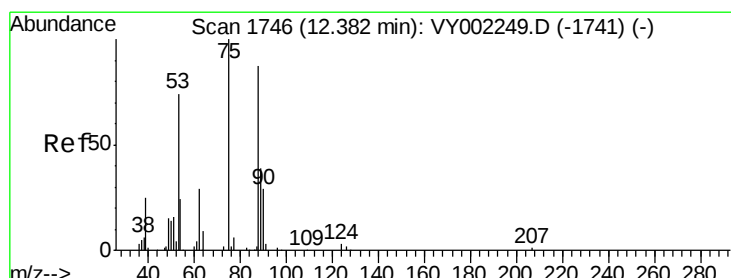
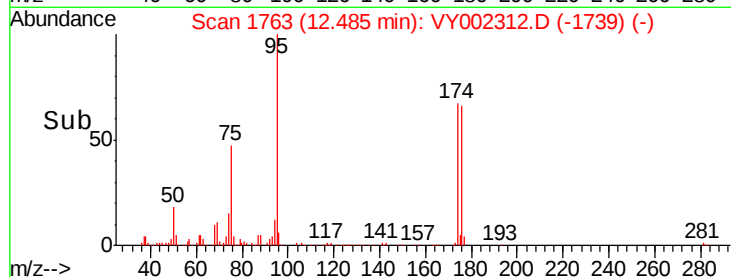
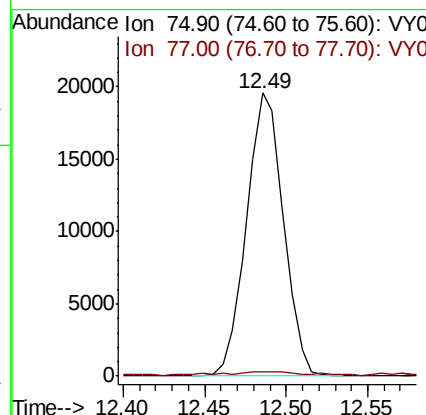
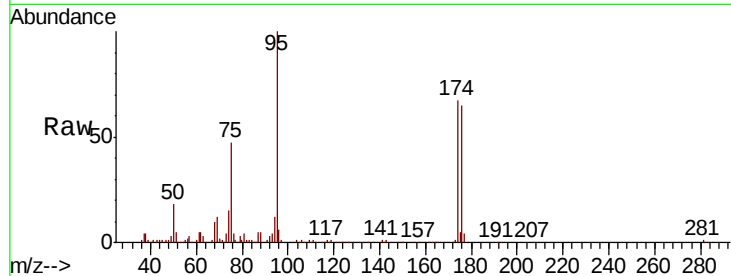




#76
 1,2,3-Trichloropropane
 Concen: 54.495 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002312.D
 Acq: 14 Apr 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 30863
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.991 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002312.D
 Acq: 14 Apr 2020 16:33

Tgt Ion: 75 Resp: 30863
 Ion Ratio Lower Upper
 75 100
 53 0.5 59.8 89.8#
 89 0.0 37.0 55.6#

