

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002307.D
 Acq On : 14 Apr 2020 14:41
 Operator : SY/MD
 Sample : L2230-43
 Misc : 5.34G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:35:06 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

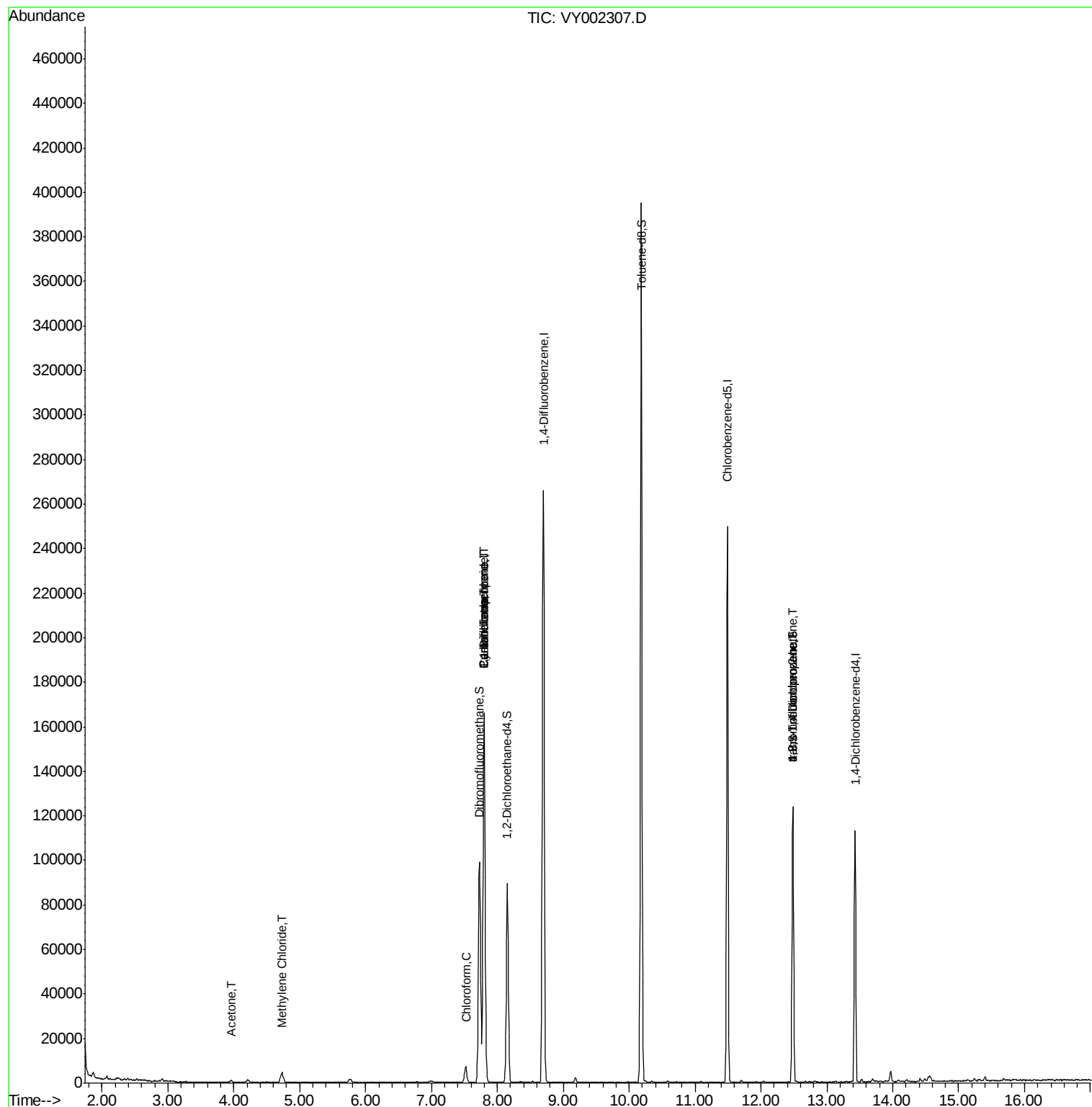
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	125687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	237941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	138642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	28924	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	64433	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
35) Dibromofluoromethane	7.73	113	73693	52.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.10%	
50) Toluene-d8	10.18	98	259024	43.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	12.49	95	40266	20.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.20%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	1055	2.866	ug/l	91
20) Methylene Chloride	4.72	84	3349	1.851	ug/l	92
30) Chloroform	7.52	83	6987	2.642	ug/l	92
31) Cyclohexane	7.79	56	2995	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10232	4.366	ug/l #	49
38) Carbon Tetrachloride	7.80	117	12736	6.353	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	18899	56.269	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	18899	109.442	ug/l #	19

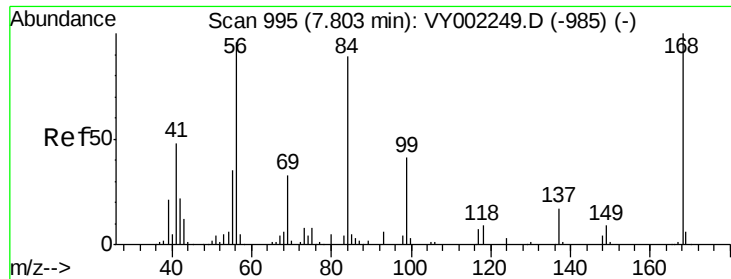
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002307.D

Acq: 14 Apr 2020 14:41

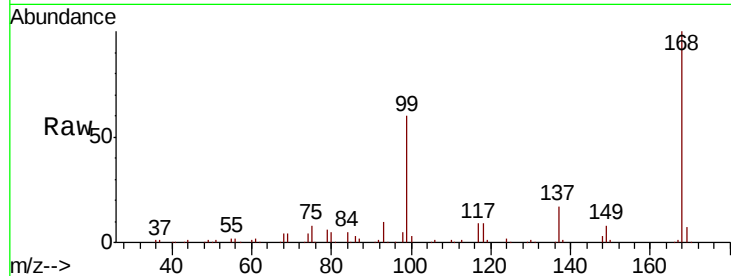
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 125687

Ion Ratio Lower Upper

168 100

99 59.8 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) (-)

7.80

60000

50000

40000

30000

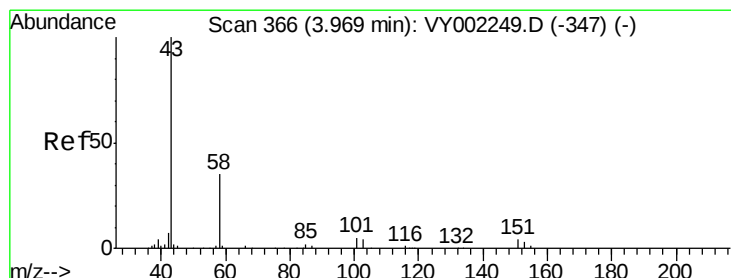
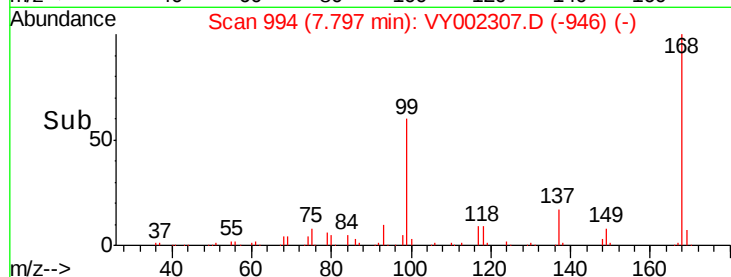
20000

10000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 2.866 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002307.D

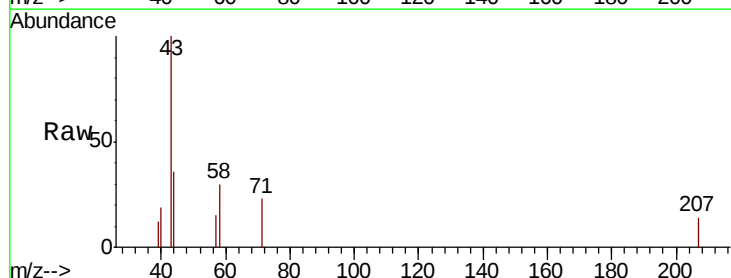
Acq: 14 Apr 2020 14:41

Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

58 30.3 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) (-)

3.96

500

400

300

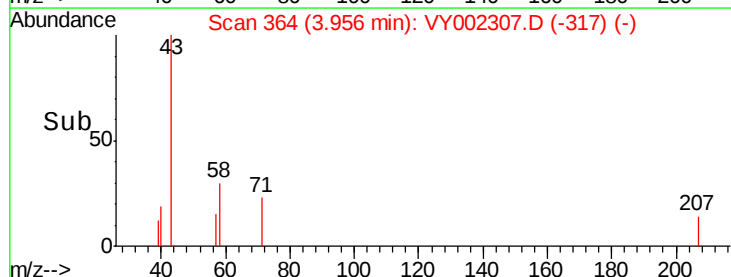
200

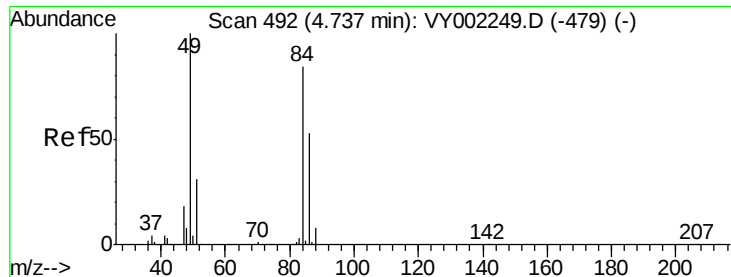
100

0

Time-->

3.90 3.95 4.00 4.05





#20

Methylene Chloride

Concen: 1.851 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.01 min

Lab File: VY002307.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 3349

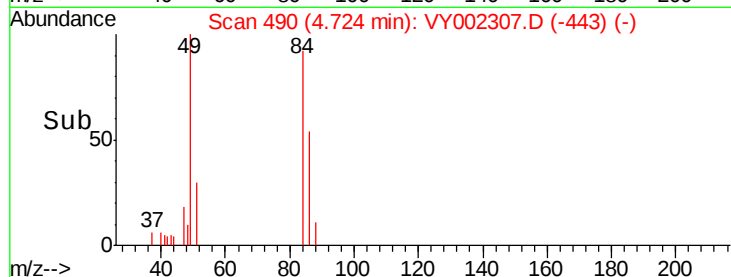
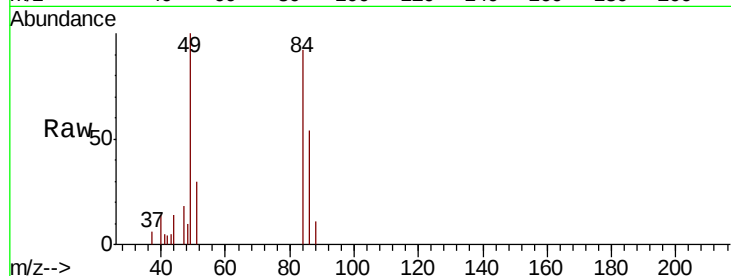
Ion Ratio Lower Upper

84 100

49 108.6 95.5 143.3

51 32.9 29.5 44.3

86 58.7 50.7 76.1

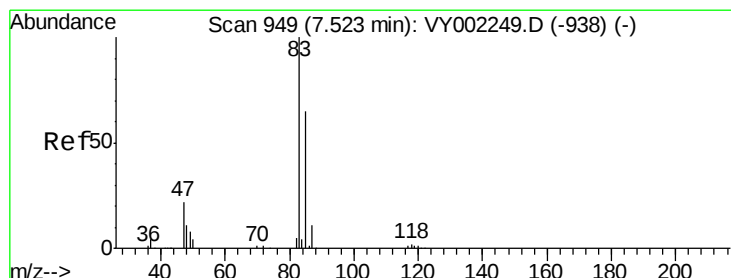
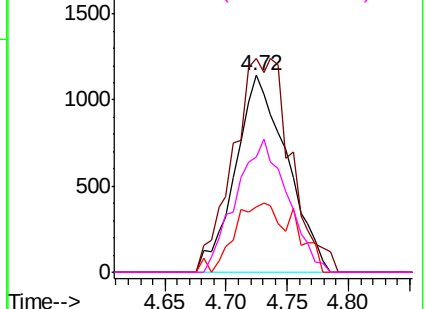


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#30

Chloroform

Concen: 2.642 ug/l

RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

Lab File: VY002307.D

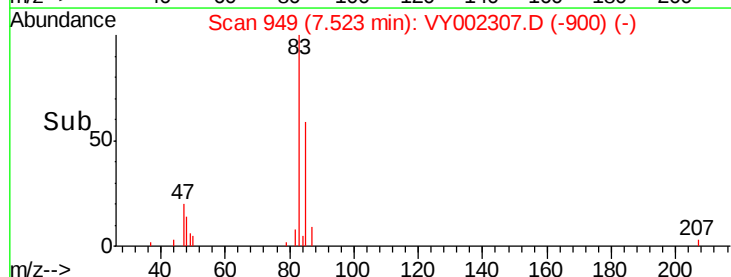
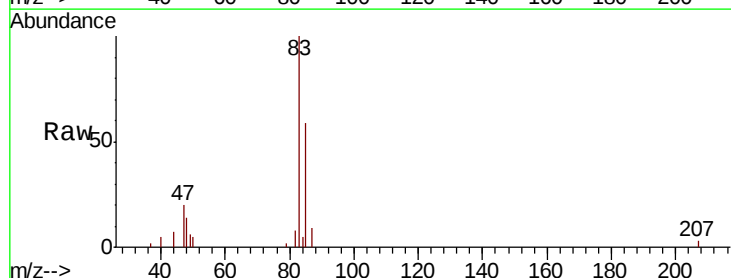
Acq: 14 Apr 2020 14:41

Tgt Ion: 83 Resp: 6987

Ion Ratio Lower Upper

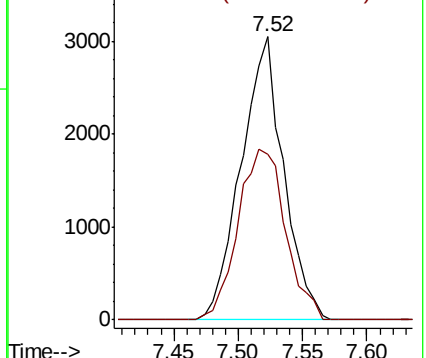
83 100

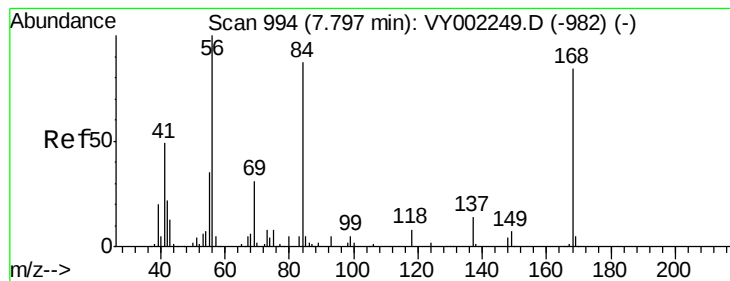
85 58.6 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 1.017 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002307.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_Y

ClientSampled :

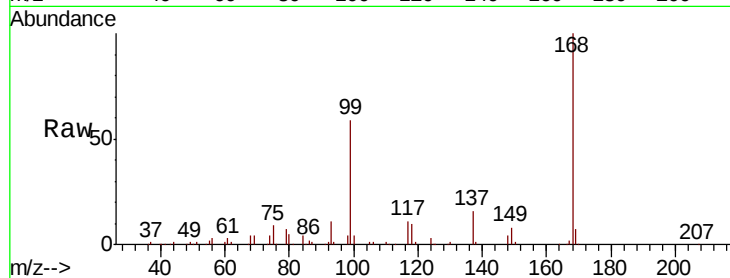
Tot Ion: 56 Resp: 2995

Ion Ratio Lower Upper

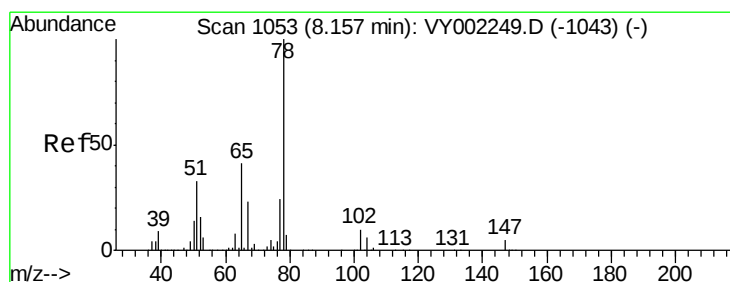
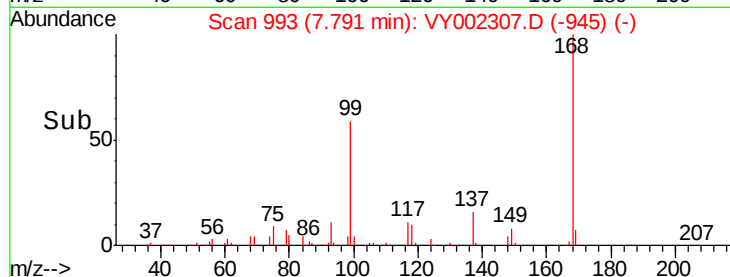
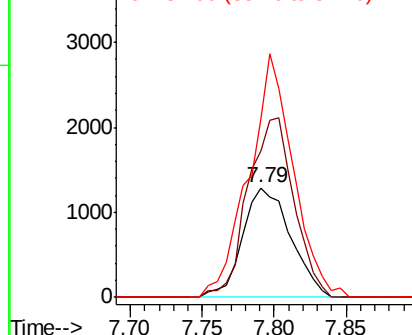
56 100

69 133.7 25.0 37.6#

84 163.1 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: 46.098 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002307.D

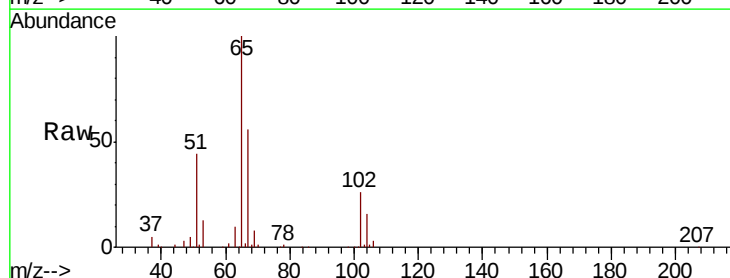
Acq: 14 Apr 2020 14:41

Tgt Ion: 65 Resp: 64433

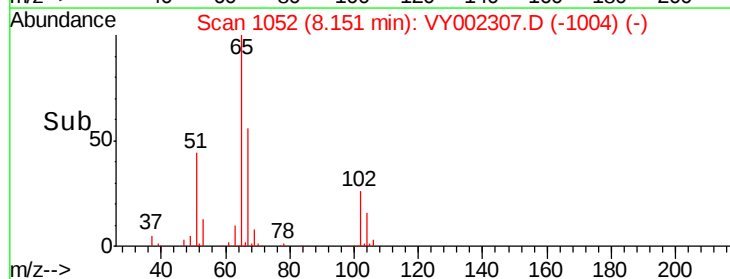
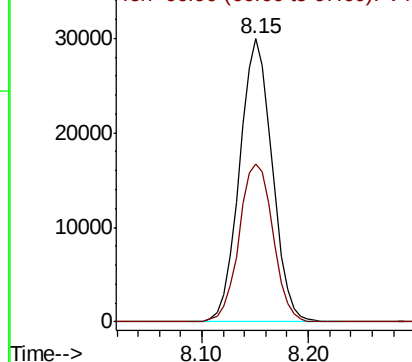
Ion Ratio Lower Upper

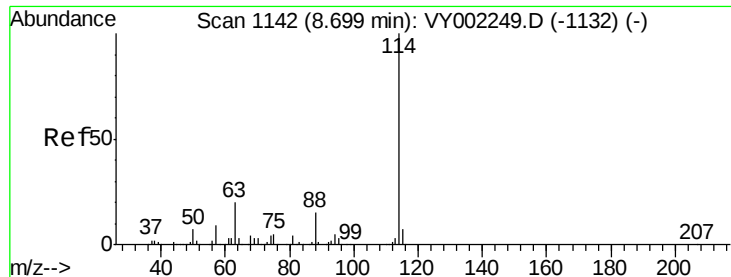
65 100

67 58.1 0.0 114.0



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

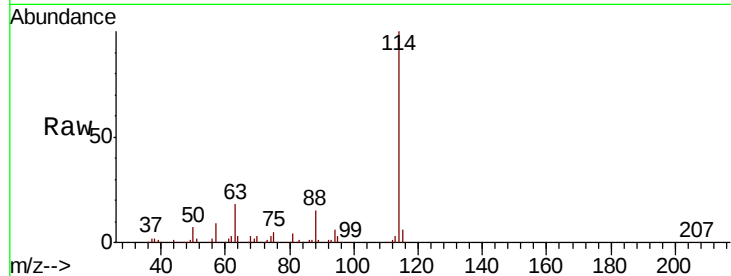




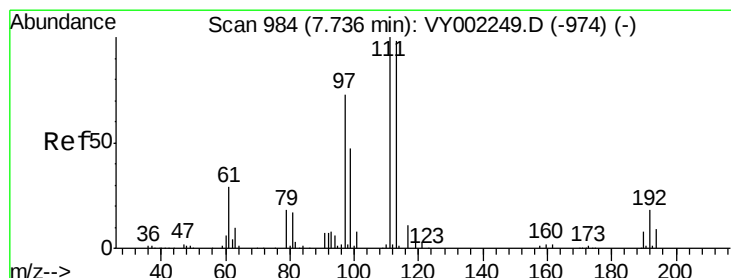
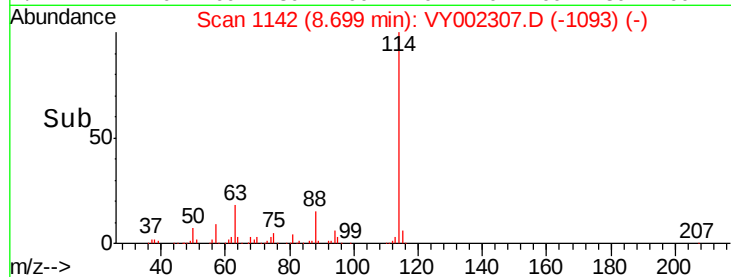
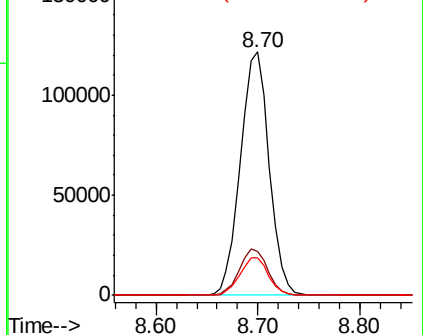
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY002307.D
 Acq: 14 Apr 2020 14:41

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.0
88	15.3	0.0	31.0

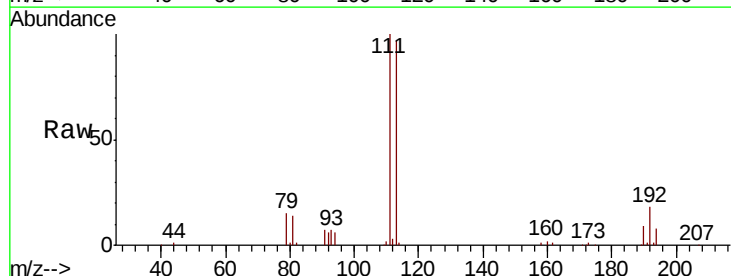


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

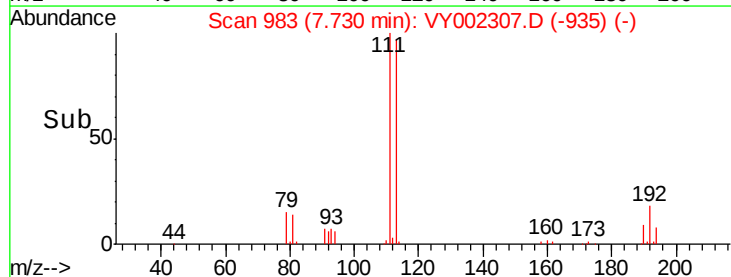
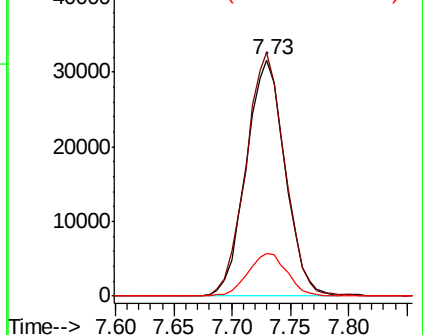


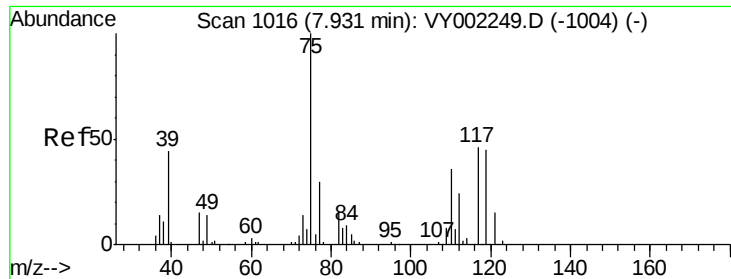
#35
 Dibromofluoromethane
 Concen: 52.049 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002307.D
 Acq: 14 Apr 2020 14:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.5	125.3
192	18.2	14.7	22.1



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

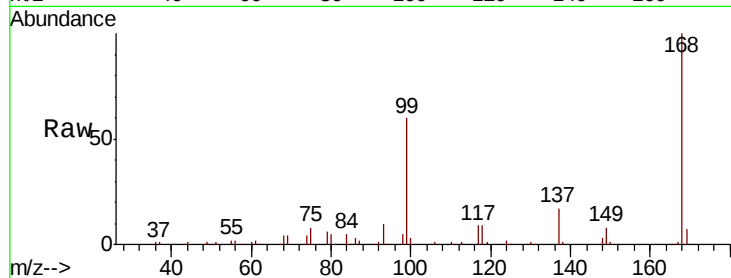




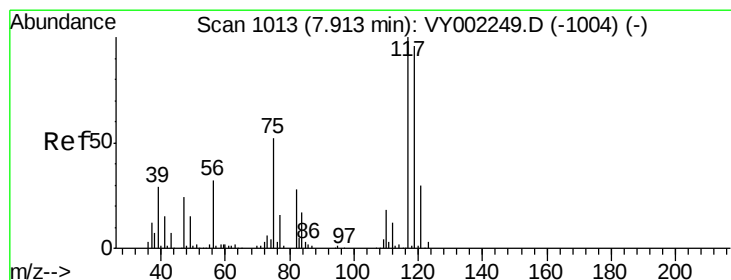
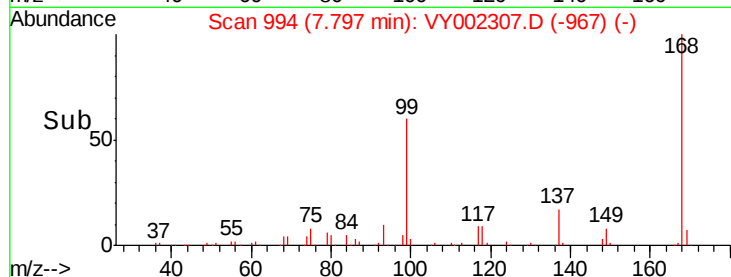
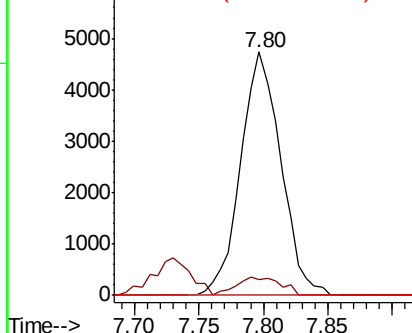
#36
 1,1-Dichloropropene
 Concen: 4.366 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002307.D
 Acq: 14 Apr 2020 14:41

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	75	Resp	10232
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.8	53.3#
77	0.0	24.4	36.6#

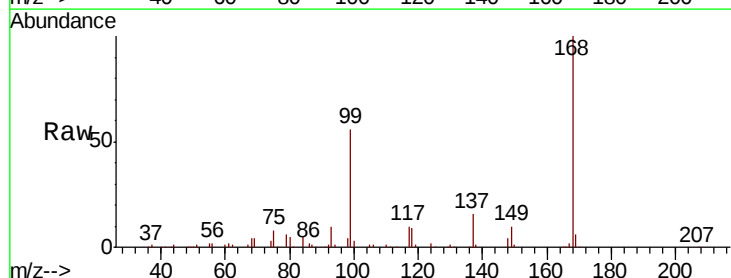


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

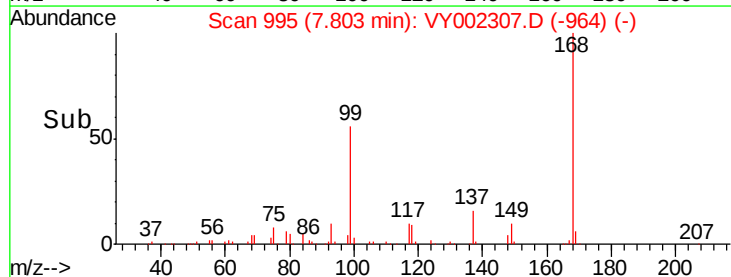
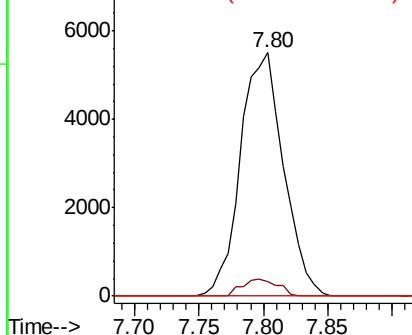


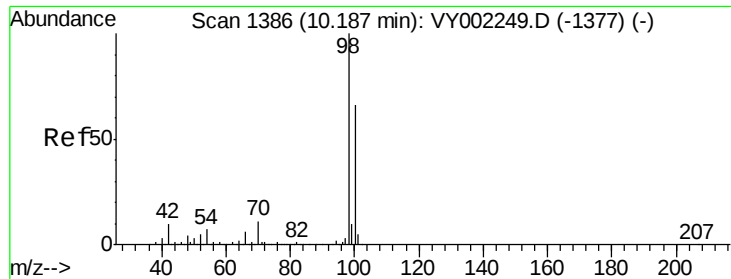
#38
 Carbon Tetrachloride
 Concen: 6.353 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY002307.D
 Acq: 14 Apr 2020 14:41

Tgt Ion	117	Resp	12736
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.8	77.1	115.7#
121	0.0	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 43.709 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002307.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_Y

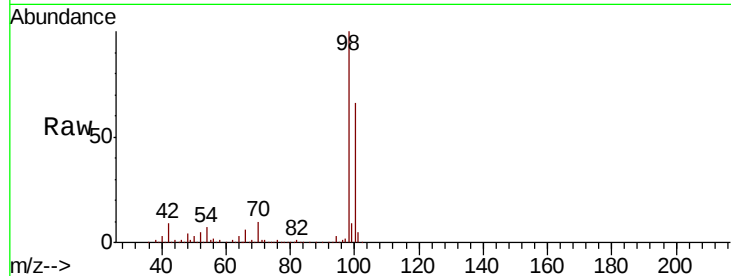
ClientSampleId :

Tot Ion: 98 Resp: 259024

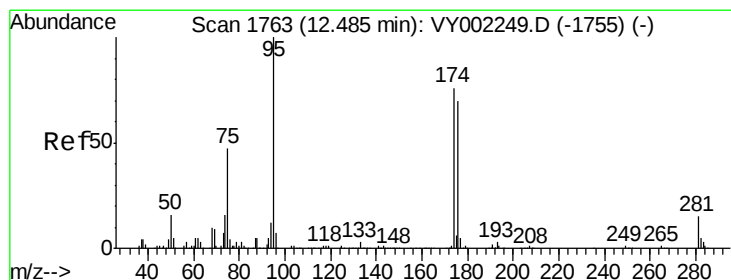
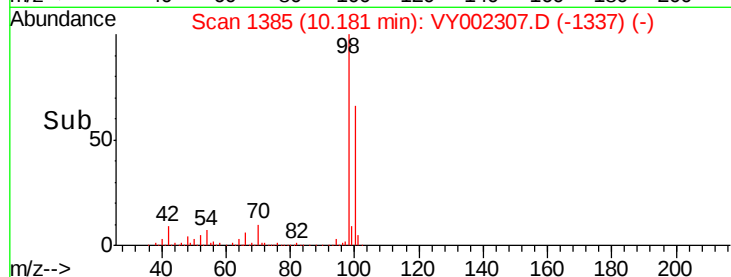
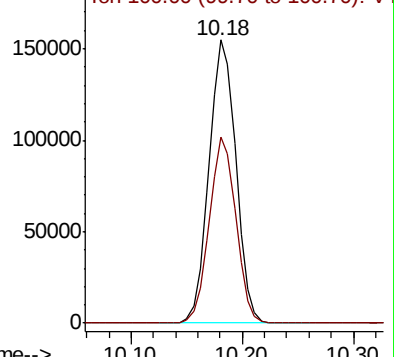
Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY002249.D (-1377) (-)



#62

4-Bromofluorobenzene

Concen: 20.595 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002307.D

Acq: 14 Apr 2020 14:41

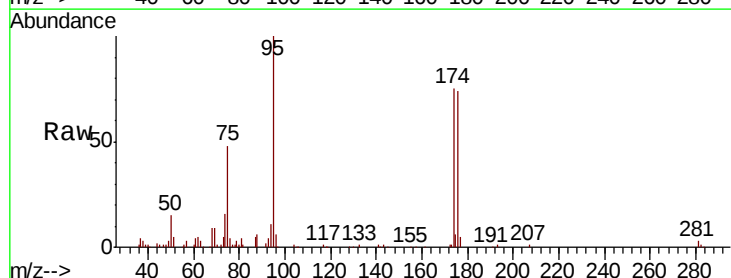
Tgt Ion: 95 Resp: 40266

Ion Ratio Lower Upper

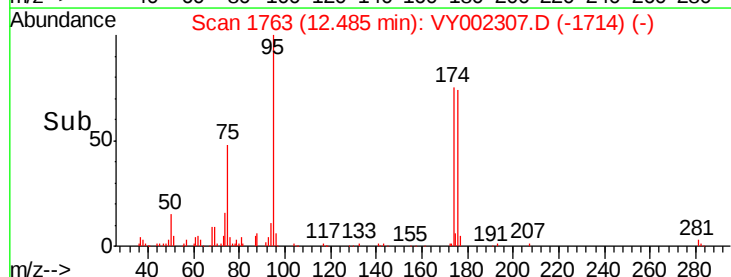
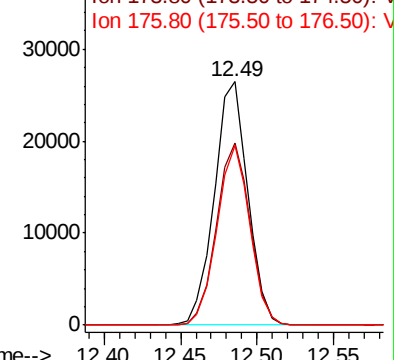
95 100

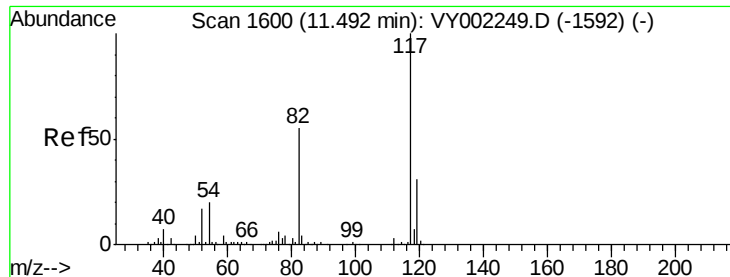
174 75.1 0.0 150.6

176 72.4 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VY002249.D (-1755) (-)

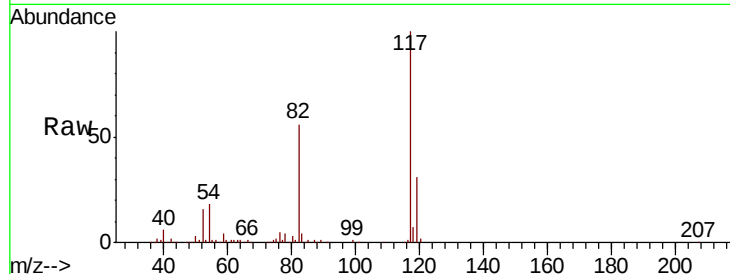




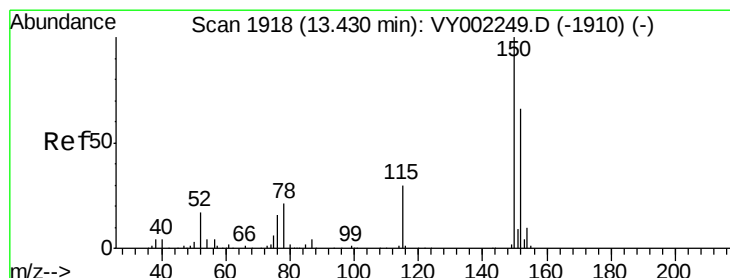
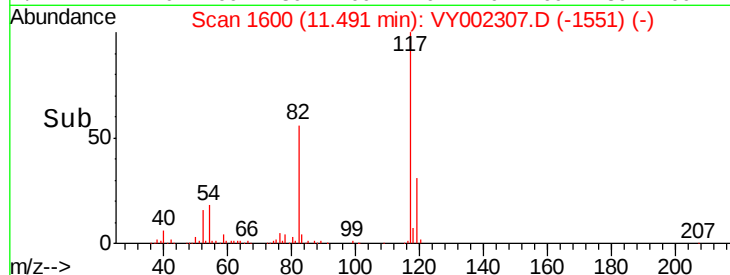
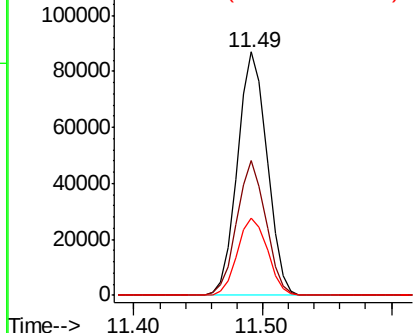
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002307.D
Acq: 14 Apr 2020 14:41

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 138642
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.4
119 31.5 25.1 37.7

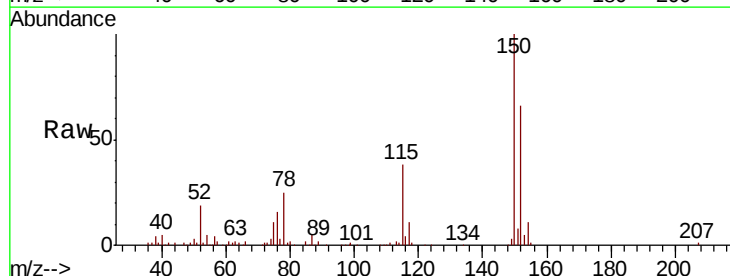


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

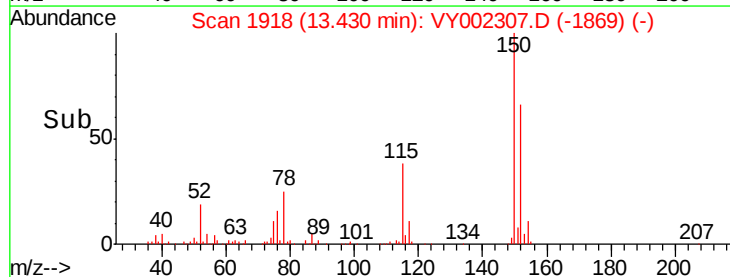
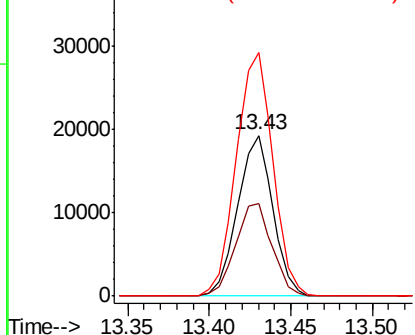


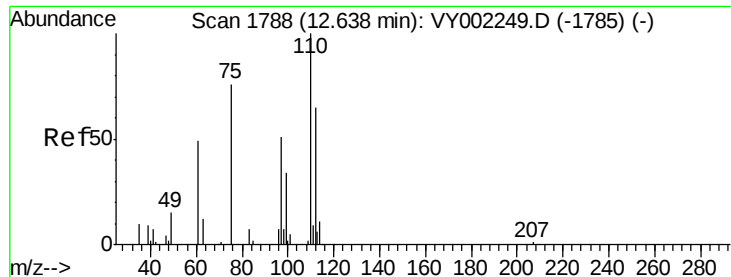
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002307.D
Acq: 14 Apr 2020 14:41

Tgt Ion:152 Resp: 28924
Ion Ratio Lower Upper
152 100
115 59.5 30.7 92.1
150 158.0 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: 56.269 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002307.D

Acq: 14 Apr 2020 14:41

Instrument :

MSVOA_Y

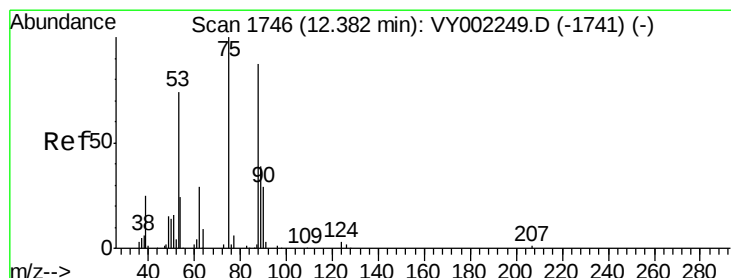
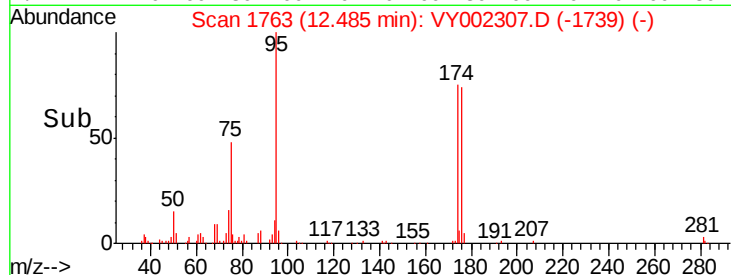
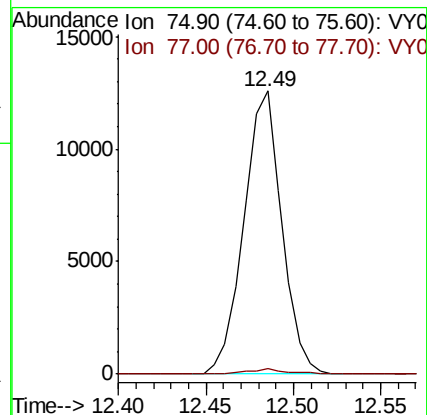
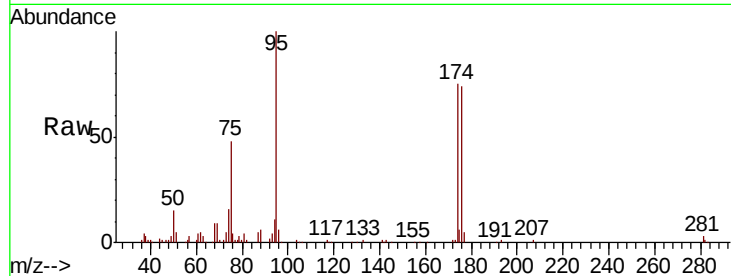
ClientSampleId :

Tot Ion: 75 Resp: 18899

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.442 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002307.D

Acq: 14 Apr 2020 14:41

Tgt Ion: 75 Resp: 18899

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.0 37.0 55.6#

