

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002380.D
 Acq On : 16 Apr 2020 20:06
 Operator : SY/MD
 Sample : L2271-07
 Misc : 4.68G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:08:26 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	27765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	51970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	44810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	17142	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	13583	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
35) Dibromofluoromethane	7.74	113	14972	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.19	98	62149	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.49	95	18642	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

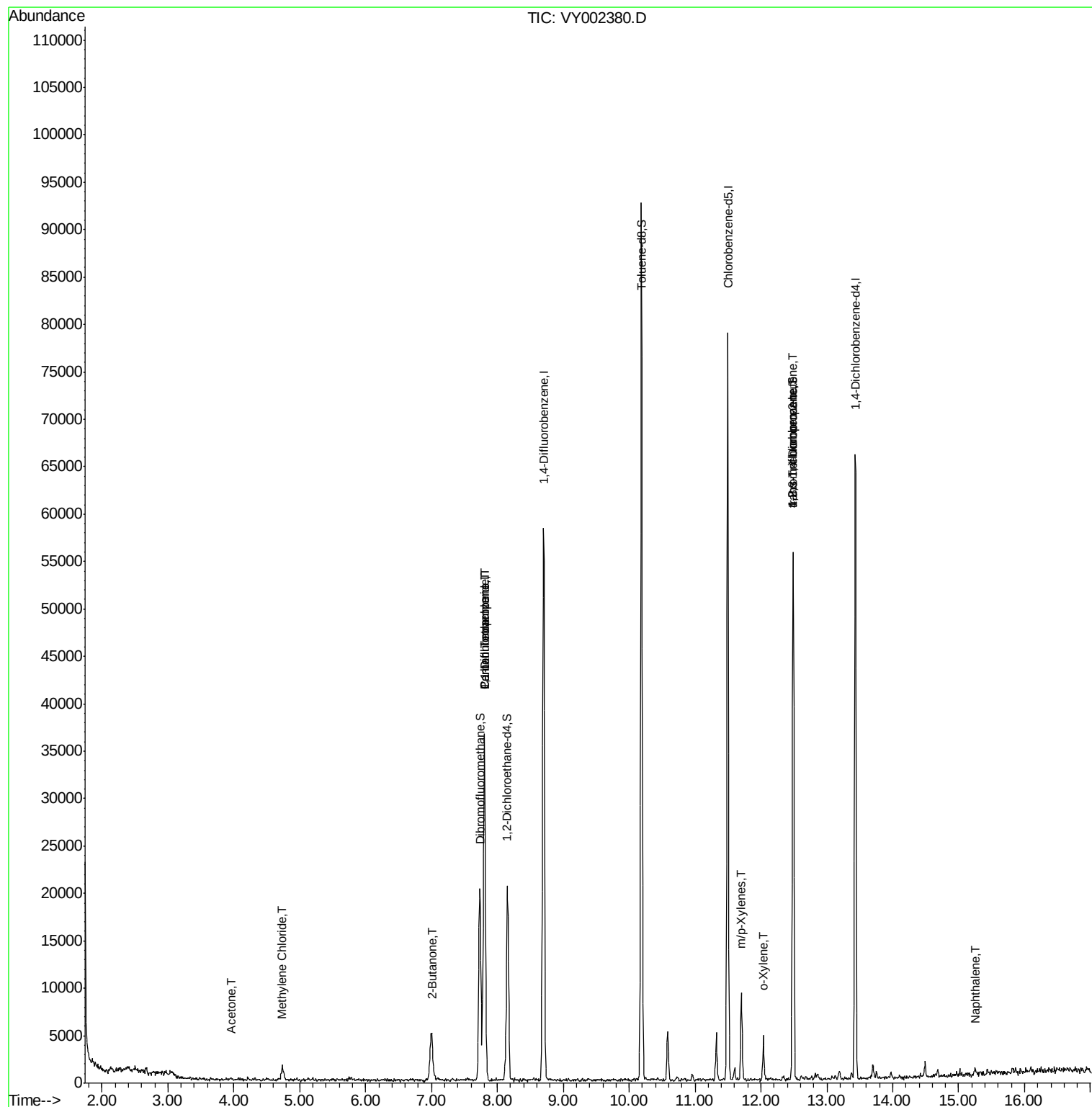
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	188	Below Cal	#	77
16) Acetone	3.96	43	155	1.906	ug/l #	39
20) Methylene Chloride	4.74	84	1074	2.687	ug/l	86
25) 2-Butanone	7.02	43	146	1.134	ug/l #	46
36) 1,1-Dichloropropene	7.80	75	2201	4.300	ug/l #	45
38) Carbon Tetrachloride	7.80	117	2664	6.084	ug/l #	21
68) m/p-Xylenes	11.71	106	3021	4.730	ug/l	97
69) o-Xylene	12.03	106	1249	2.083	ug/l	95
76) 1,2,3-Trichloropropane	12.49	75	8950	44.962	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	8950	87.451	ug/l #	19
95) Naphthalene	15.25	128	798	1.069	ug/l #	88

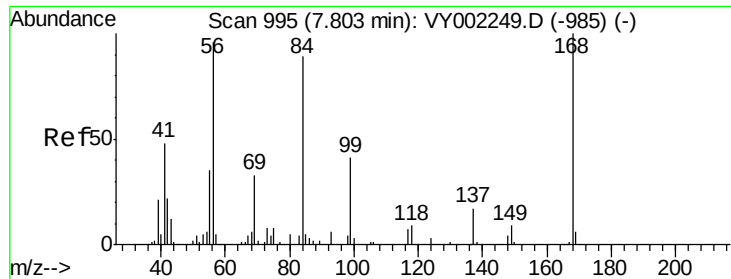
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
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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# 995

Delta R.T. -0.00 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

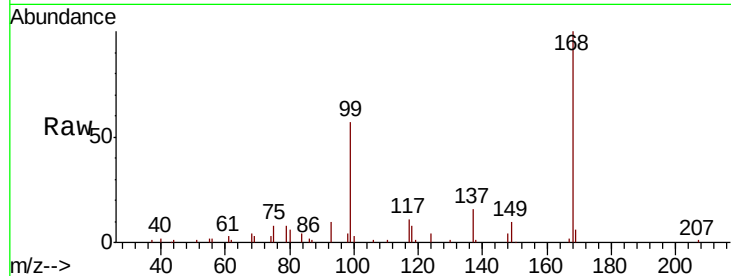
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 27765

Ion Ratio Lower Upper

168 100

99 57.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002380.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY002380.D (-946) (-)

7.80

15000

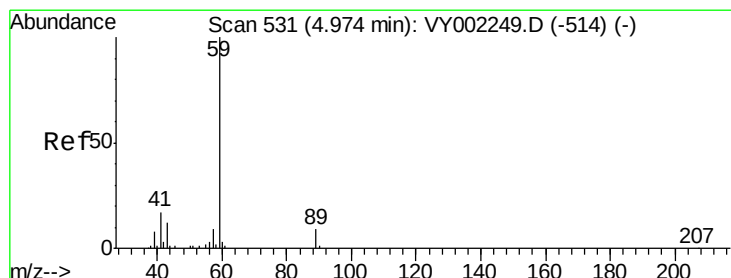
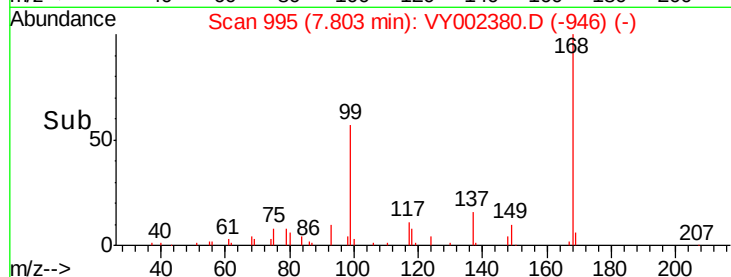
10000

5000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.02 min

Lab File: VY002380.D

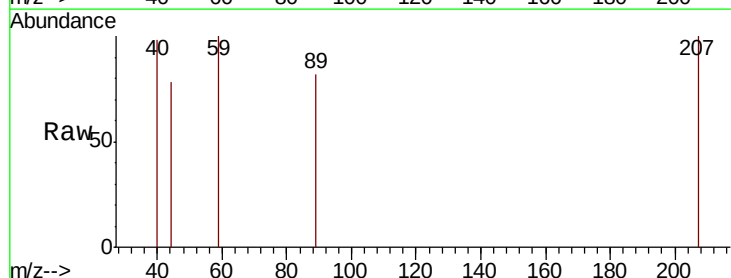
Acq: 16 Apr 2020 20:06

Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002380.D (-482) (-)

Ion 57.00 (56.70 to 57.70): VY002380.D (-482) (-)

150

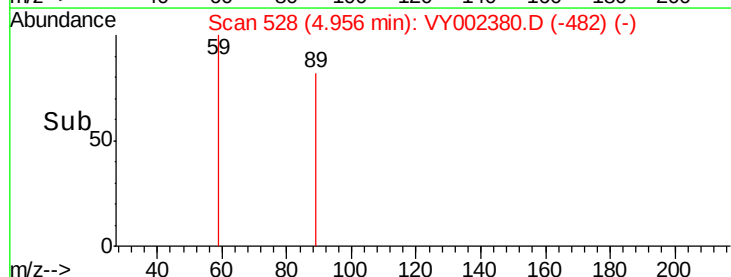
100

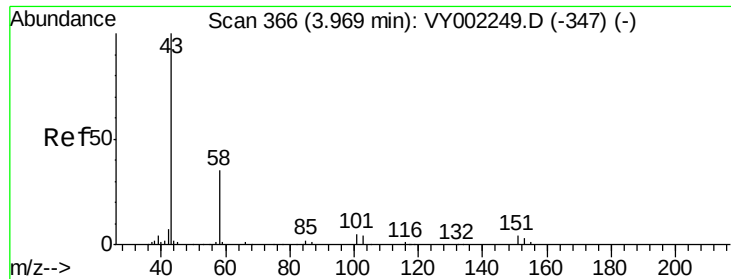
50

0

Time-->

4.95 4.96 4.97 4.98 4.99 5.00





#16

Acetone

Concen: 1.906 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

Instrument :

MSVOA_Y

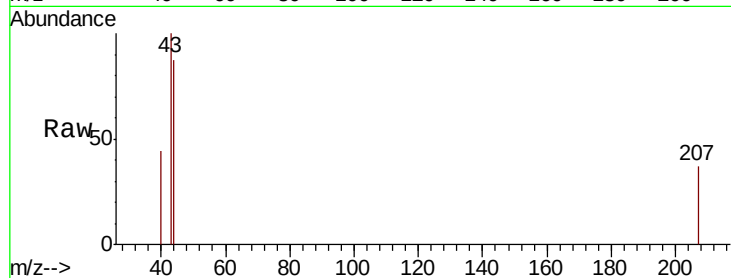
ClientSampleId :

Tot Ion: 43 Resp: 155

Ion Ratio Lower Upper

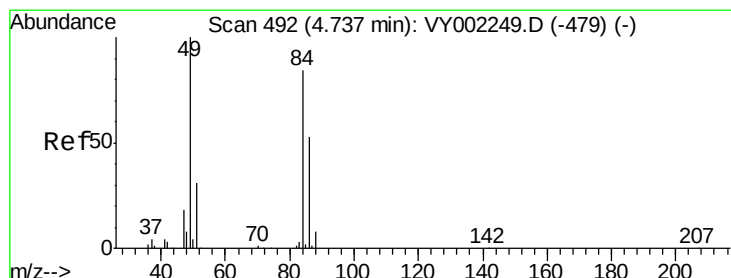
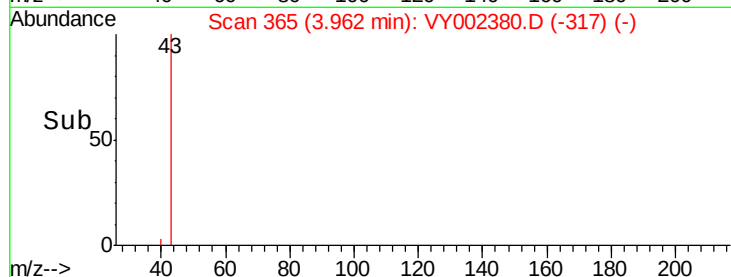
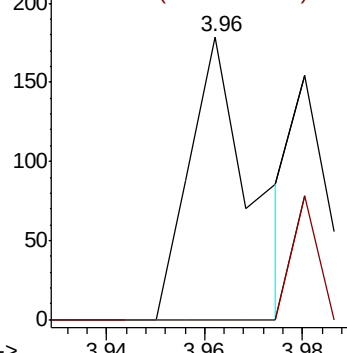
43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.687 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

Tgt Ion: 84 Resp: 1074

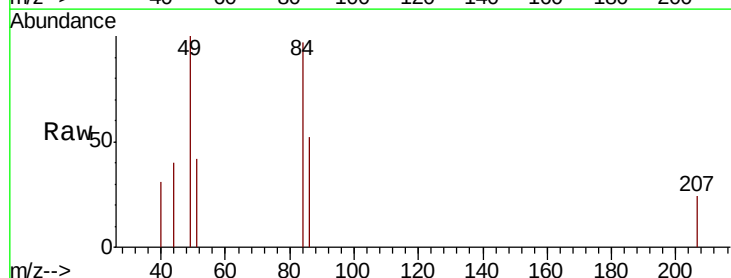
Ion Ratio Lower Upper

84 100

49 102.6 95.5 143.3

51 43.1 29.5 44.3

86 53.3 50.7 76.1

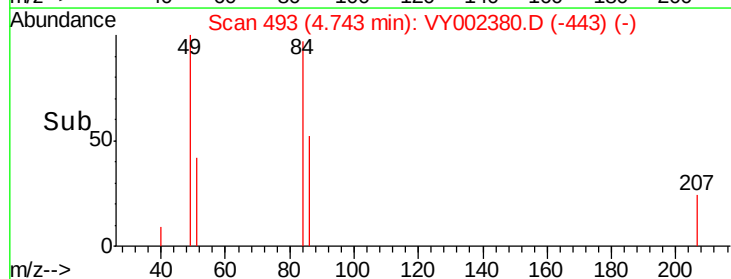
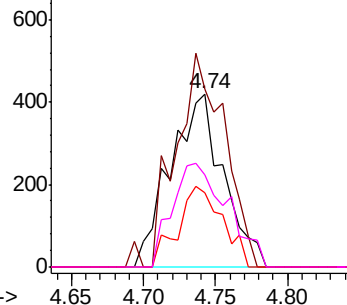


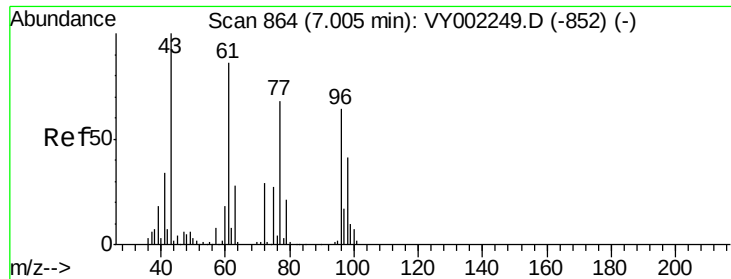
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#25

2-Butanone

Concen: 1.134 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

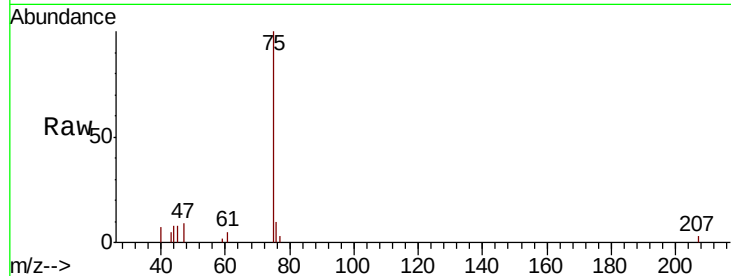
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 146

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.02

100

80

60

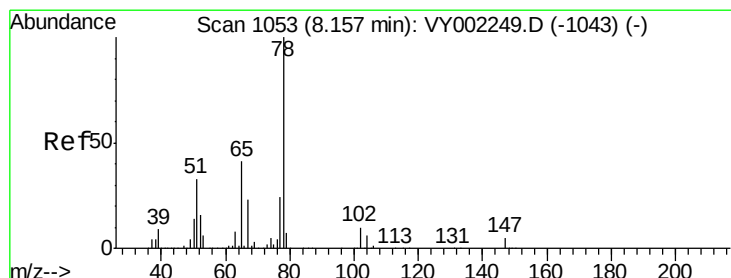
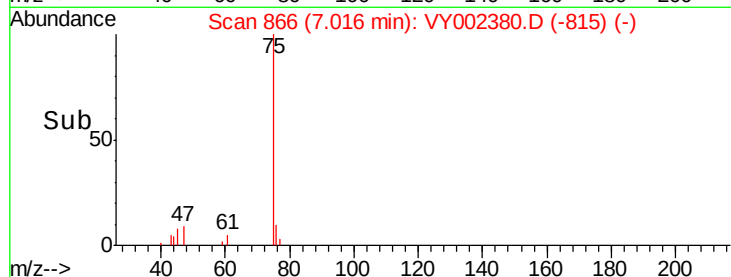
40

20

0

7.00 7.02 7.04 7.06

Time-->



#33

1,2-Dichloroethane-d4

Concen: 43.991 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002380.D

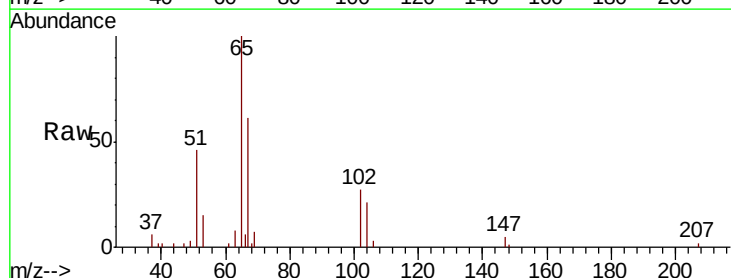
Acq: 16 Apr 2020 20:06

Tgt Ion: 65 Resp: 13583

Ion Ratio Lower Upper

65 100

67 60.9 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.16

6000

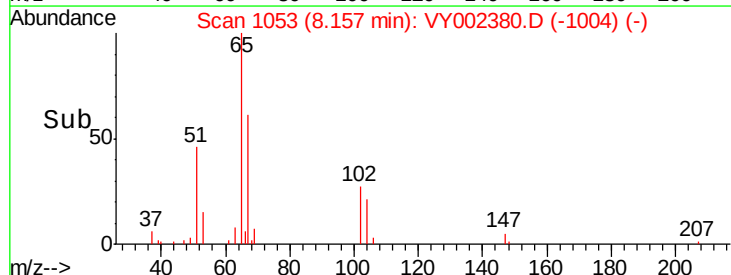
4000

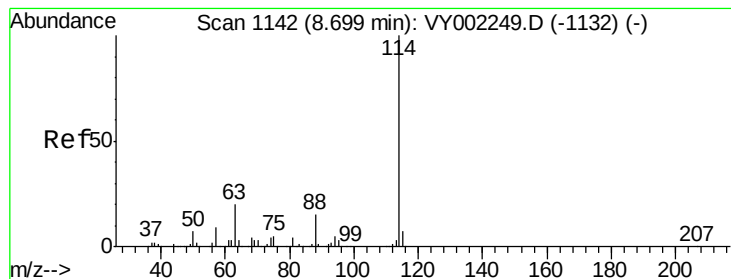
2000

0

8.05 8.10 8.15 8.20 8.25

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

Instrument :

MSVOA_Y

ClientSampleId :

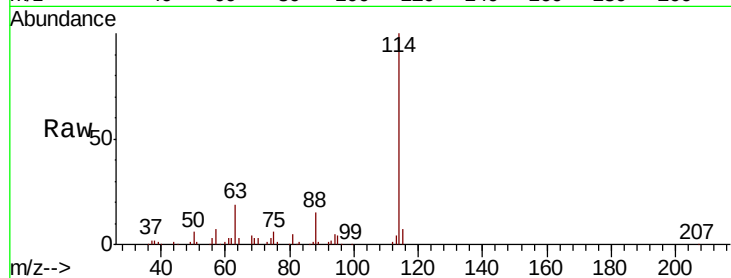
Tot Ion:114 Resp: 51970

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

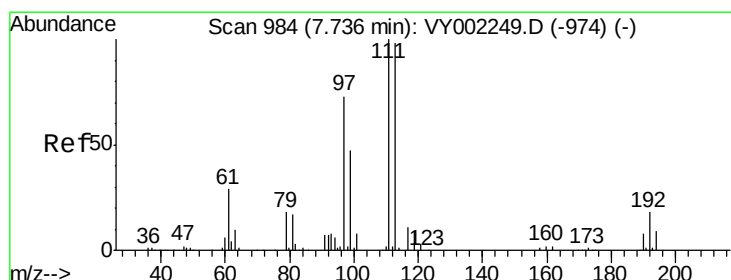
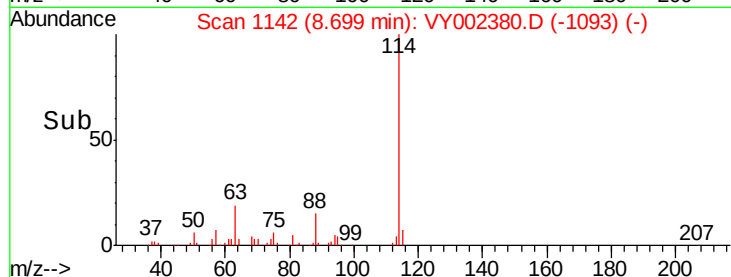
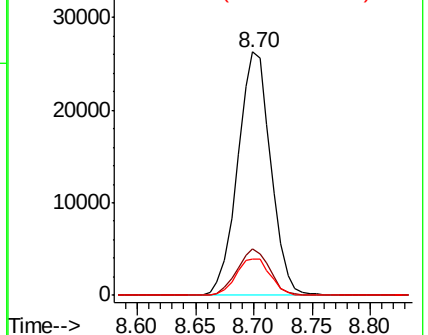
88 15.0 0.0 31.0



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: 48.416 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

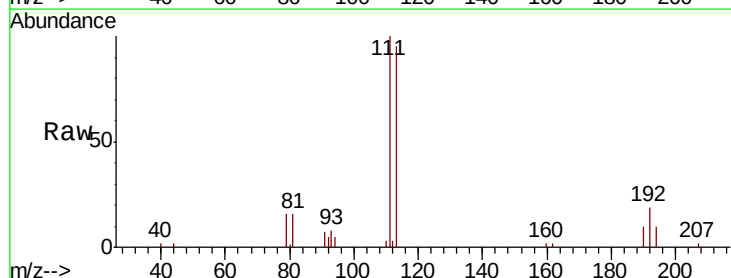
Tgt Ion:113 Resp: 14972

Ion Ratio Lower Upper

113 100

111 101.9 83.5 125.3

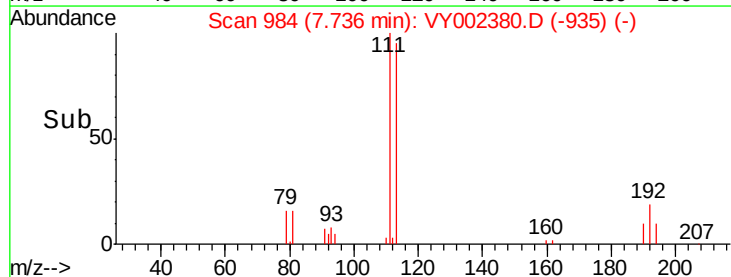
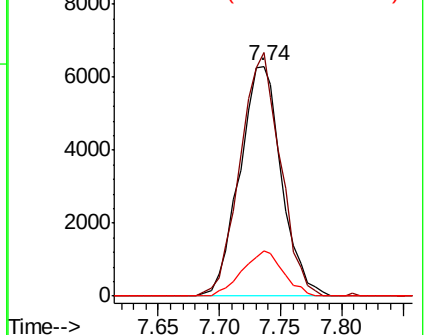
192 19.4 14.7 22.1

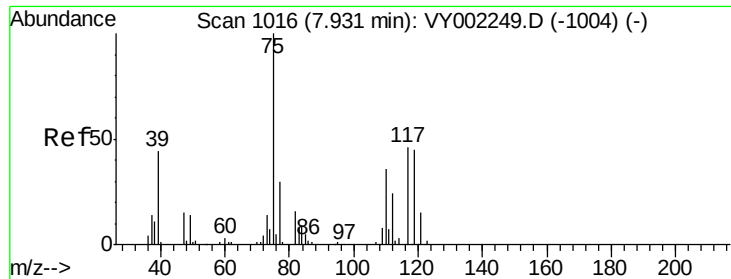


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

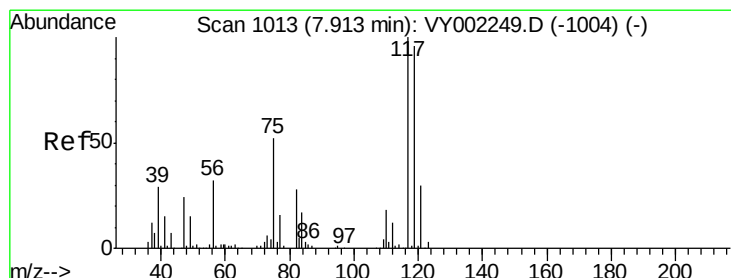
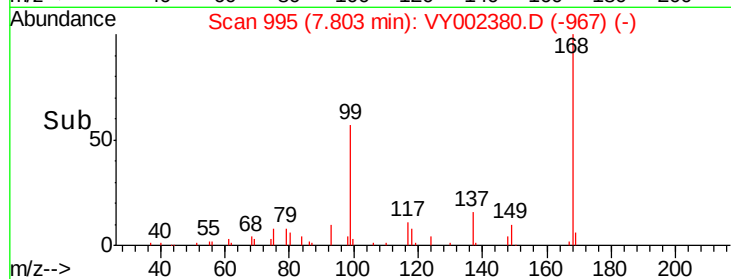
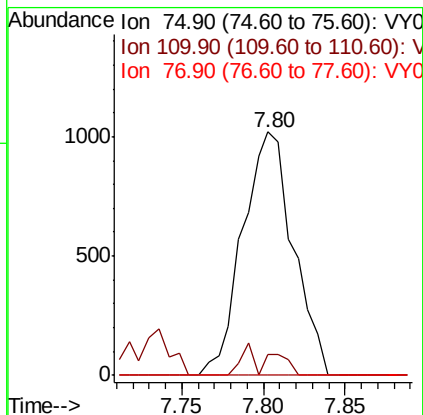
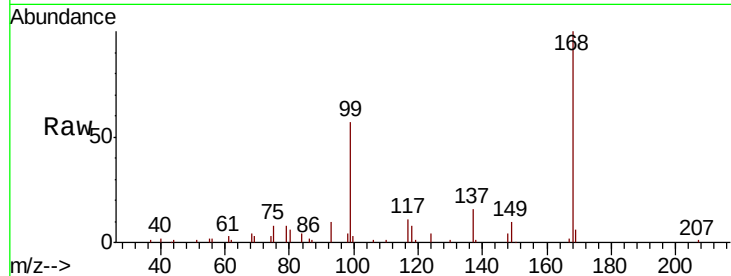




#36
 1,1-Dichloropropene
 Concen: 4.300 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002380.D
 Acq: 16 Apr 2020 20:06

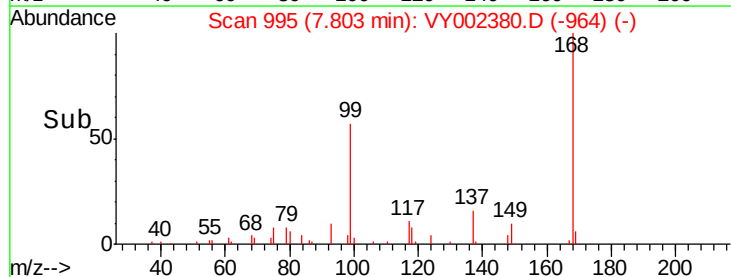
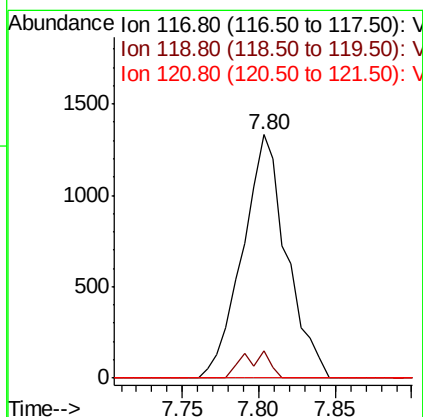
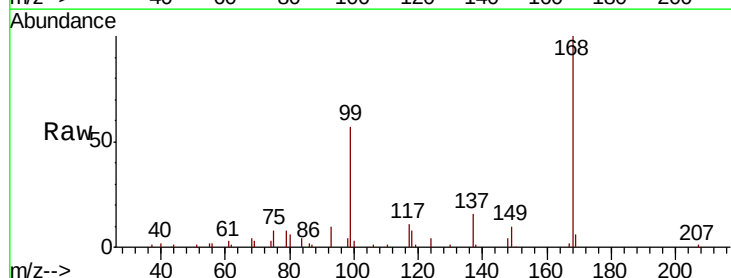
Instrument :
 MSVOA_Y
 ClientSampled :

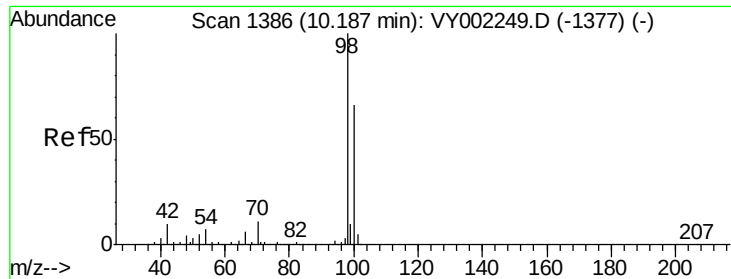
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.0	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.084 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY002380.D
 Acq: 16 Apr 2020 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	11.2	77.1	115.7#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 48.016 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

Instrument :

MSVOA_Y

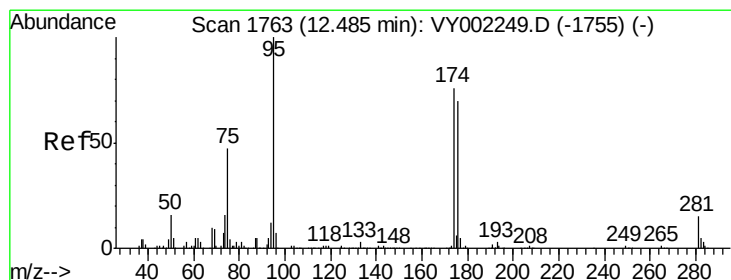
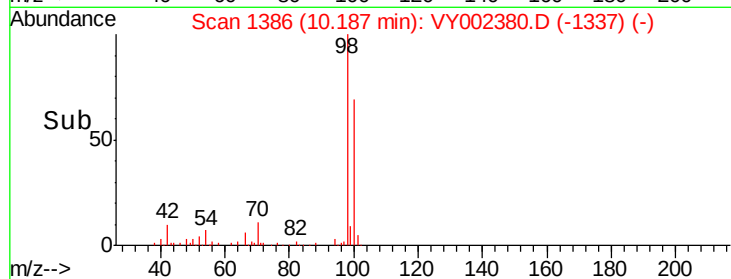
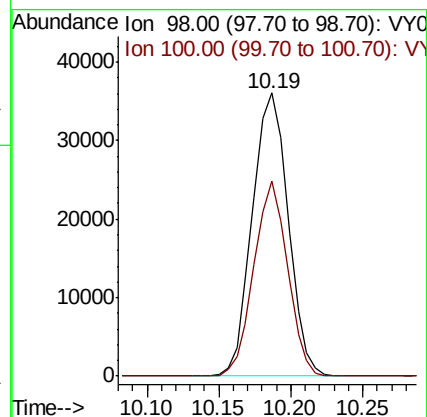
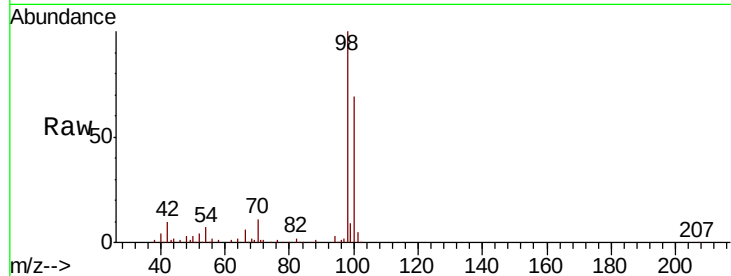
ClientSampleId :

Tot Ion: 98 Resp: 62149

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 43.656 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

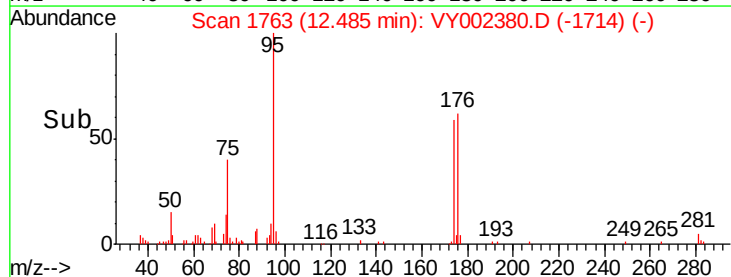
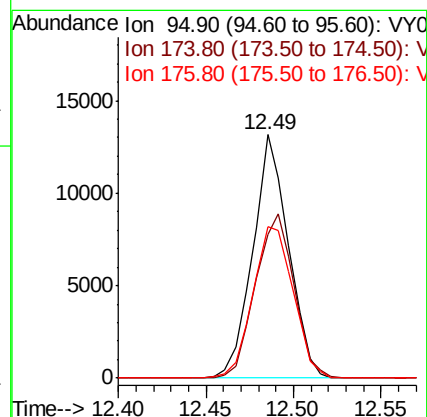
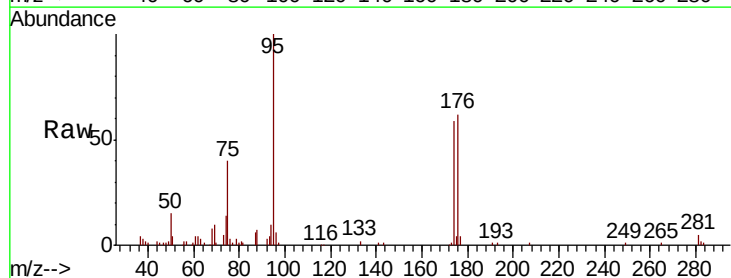
Tgt Ion: 95 Resp: 18642

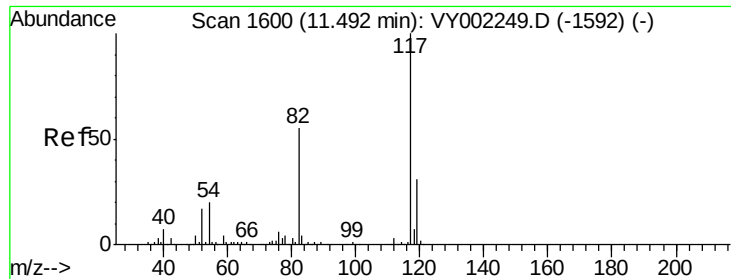
Ion Ratio Lower Upper

95 100

174 72.9 0.0 150.6

176 70.3 0.0 141.4

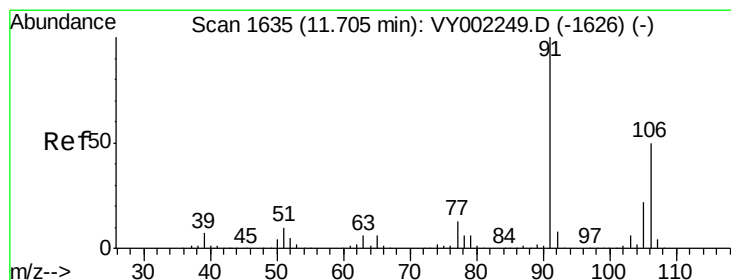
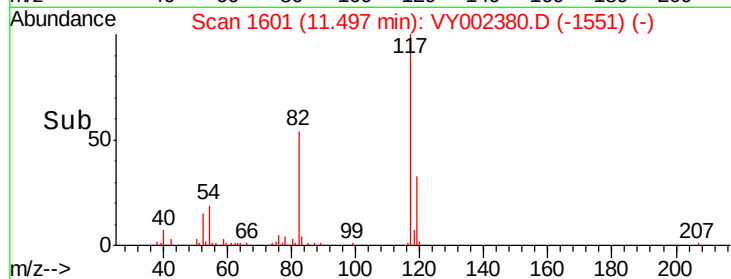
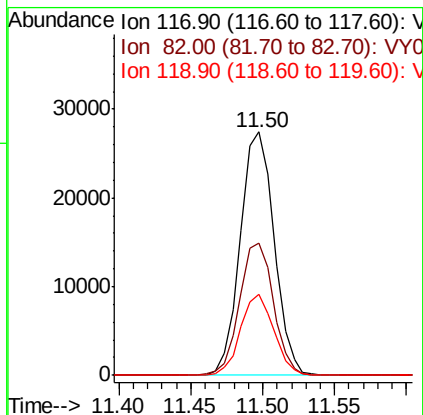
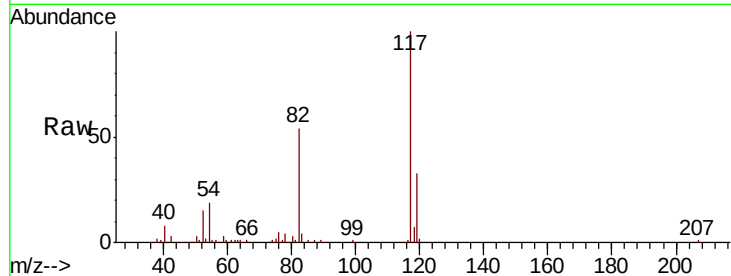




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002380.D
Acq: 16 Apr 2020 20:06

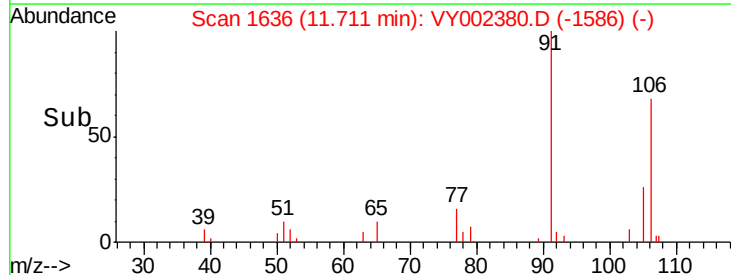
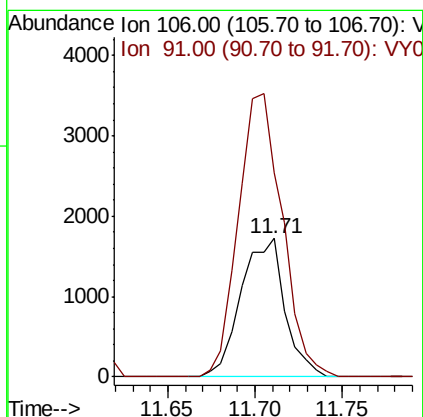
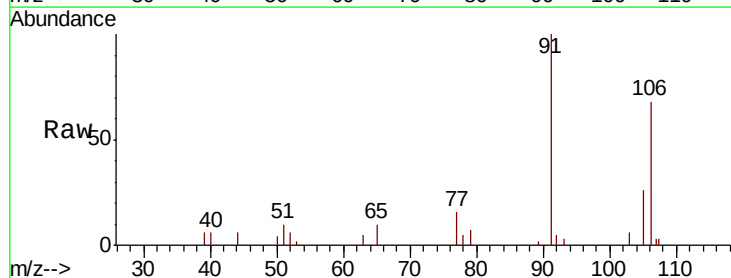
Instrument :
MSVOA_Y
ClientSampled :

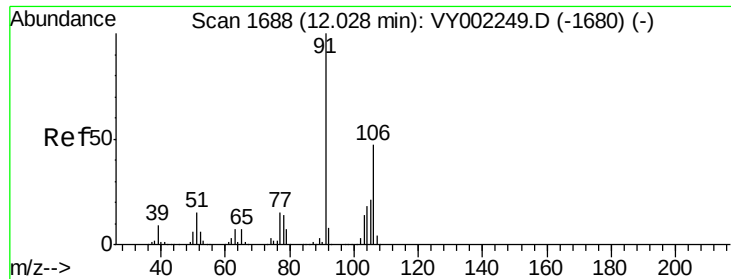
Tot Ion:117 Resp: 44810
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.4
119 33.1 25.1 37.7



#68
m/p-Xylenes
Concen: 4.730 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002380.D
Acq: 16 Apr 2020 20:06

Tgt Ion:106 Resp: 3021
Ion Ratio Lower Upper
106 100
91 204.8 159.8 239.6

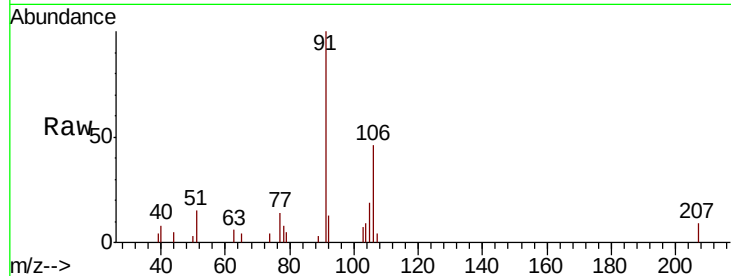




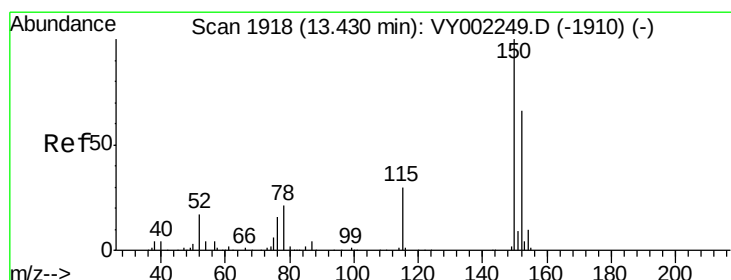
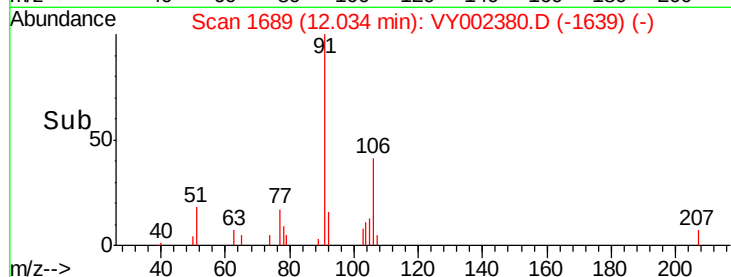
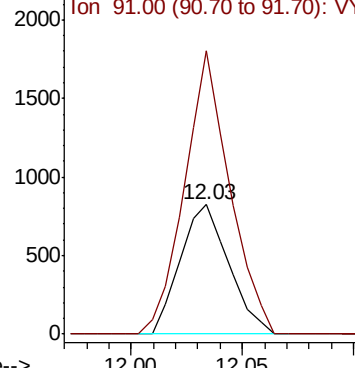
#69
o-Xylene
Concen: 2.083 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002380.D
Acq: 16 Apr 2020 20:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 1249
Ion Ratio Lower Upper
106 100
91 203.8 105.8 317.3

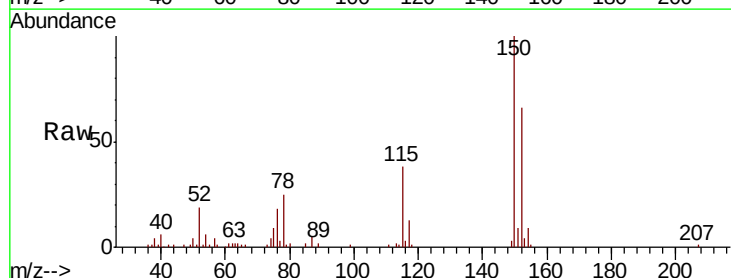


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

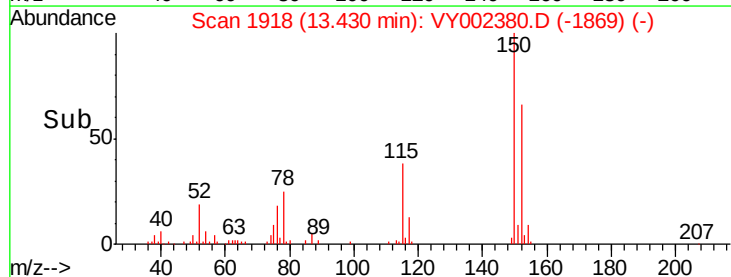
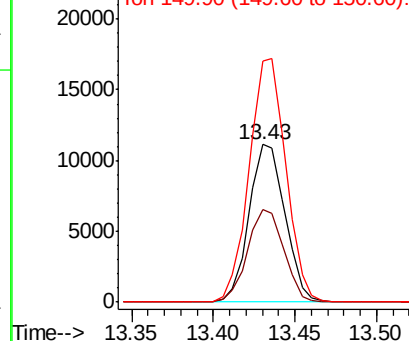


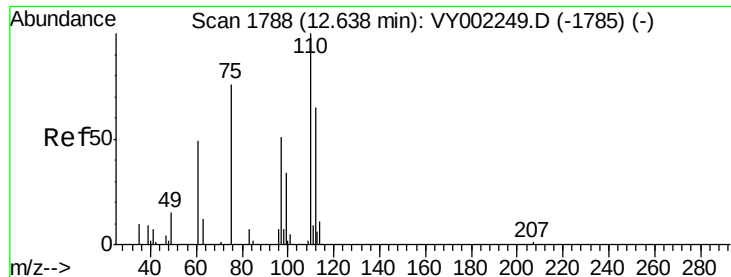
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002380.D
Acq: 16 Apr 2020 20:06

Tgt Ion:152 Resp: 17142
Ion Ratio Lower Upper
152 100
115 58.9 30.7 92.1
150 157.3 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: 44.962 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

Instrument :

MSVOA_Y

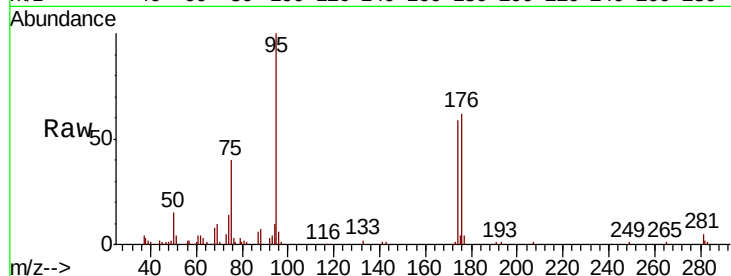
ClientSampleId :

Tot Ion: 75 Resp: 8950

Ion Ratio Lower Upper

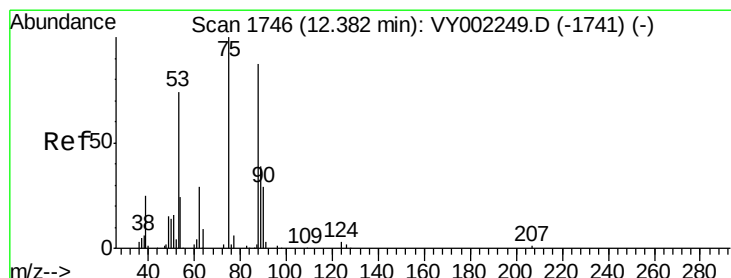
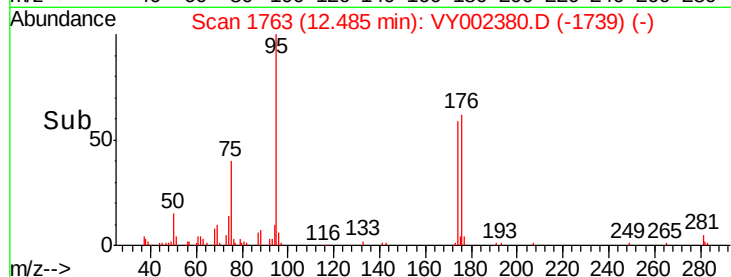
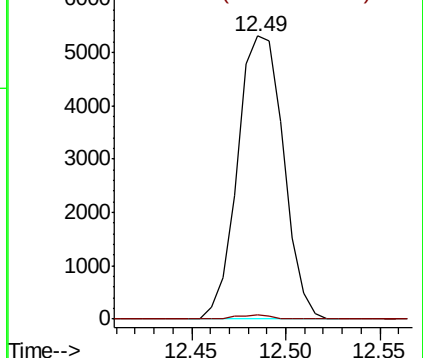
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 87.451 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

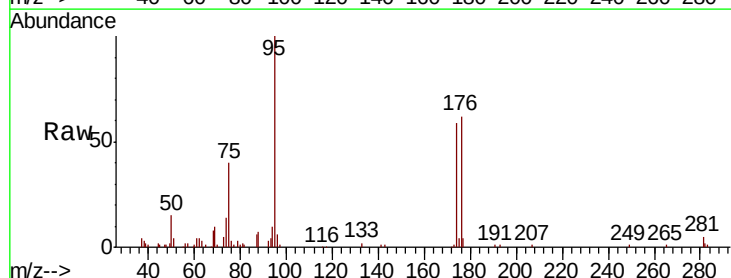
Tgt Ion: 75 Resp: 8950

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

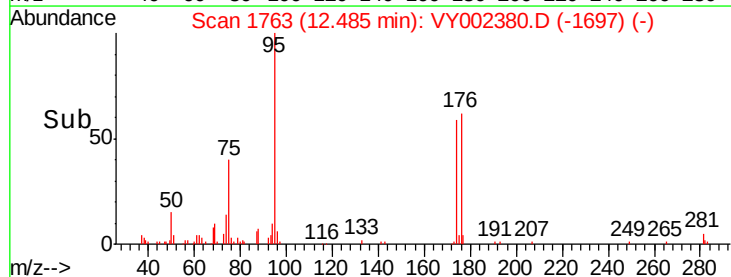
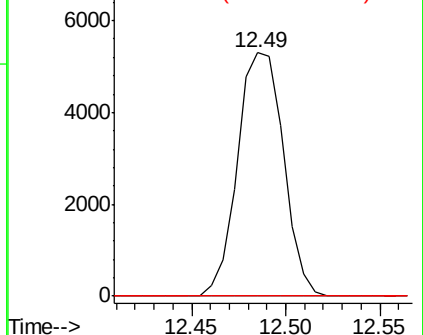
89 0.0 37.0 55.6#

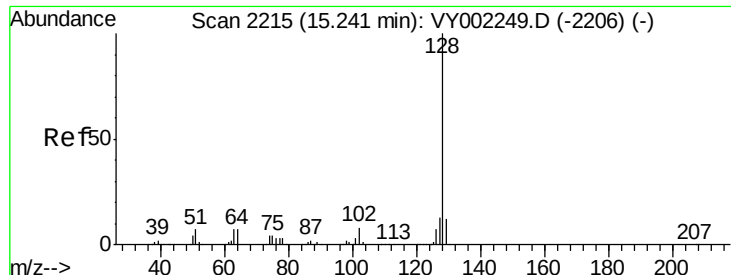


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.069 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

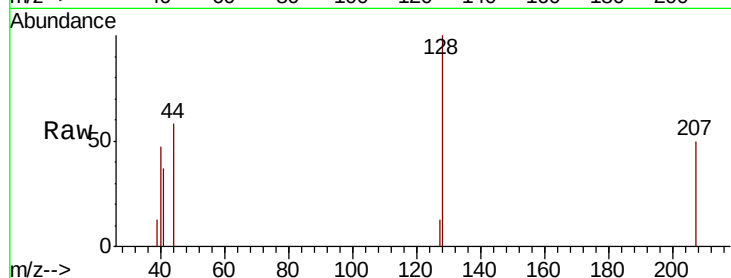
Lab File: VY002380.D

Acq: 16 Apr 2020 20:06

Instrument :

MSVOA_Y

ClientSampleId :



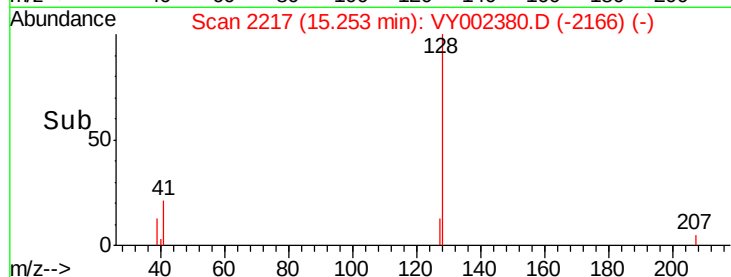
Tot Ion:128 Resp: 798

Ion Ratio Lower Upper

128 100

127 8.8 10.1 15.1#

129 5.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

