

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003403.D
 Acq On : 31 Jul 2020 20:45
 Operator : SY/MD
 Sample : L3518-47
 Misc : 2.48G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 01 01:32:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	242149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	387012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	360311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168463	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	129477	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
35) Dibromofluoromethane	7.72	113	123257	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.18	98	473727	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.48	95	151588	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

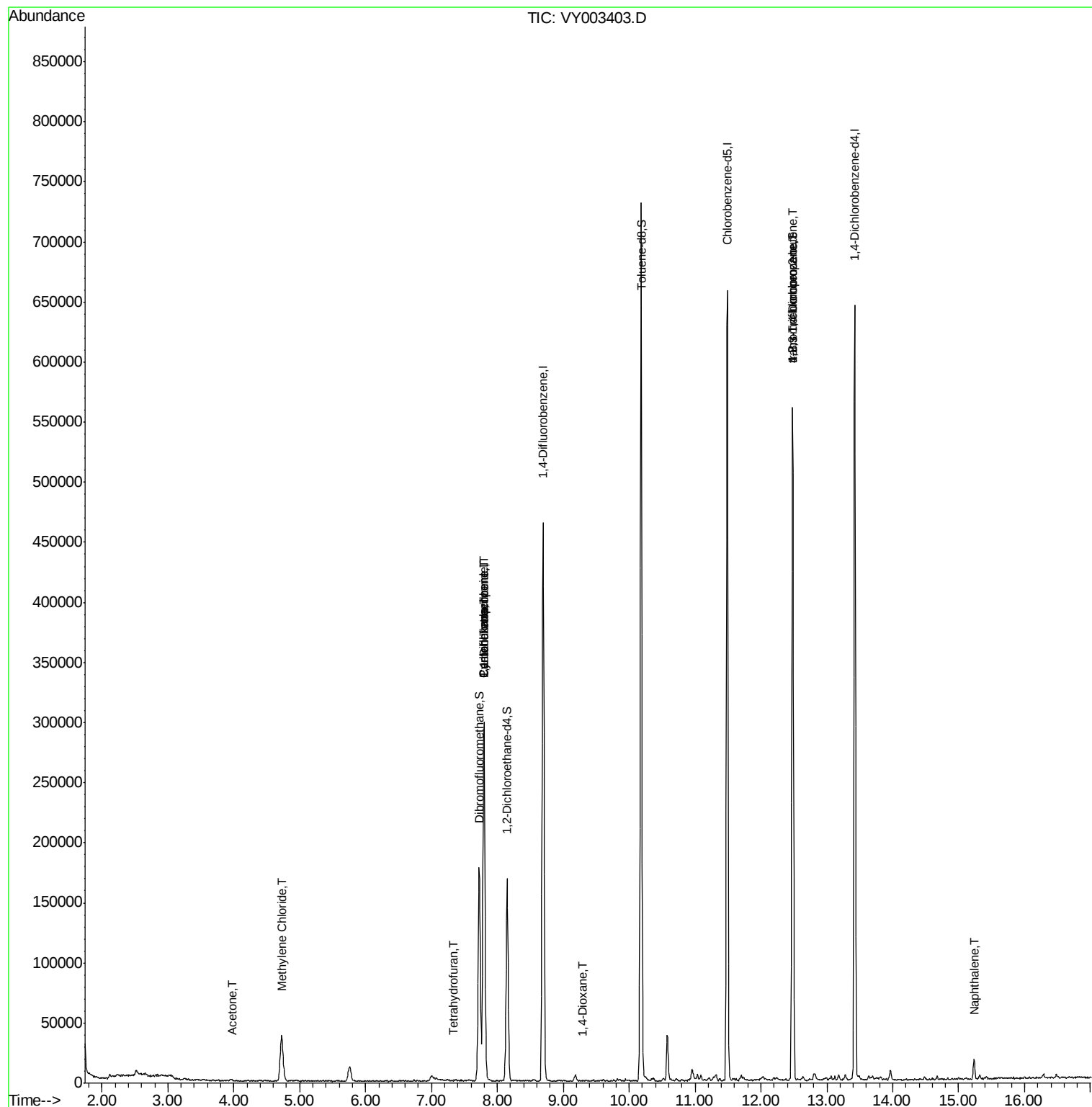
					Qvalue	
11) Tert butyl alcohol	4.92	59	254	Below Cal	#	73
16) Acetone	3.97	43	1488	2.616	ug/l	91
20) Methylene Chloride	4.73	84	28713	1.377	ug/l	97
29) Tetrahydrofuran	7.35	42	619	1.094	ug/l #	43
31) Cyclohexane	7.79	56	5644	1.383	ug/l #	20
36) 1,1-Dichloropropene	7.80	75	17886	4.884	ug/l #	51
38) Carbon Tetrachloride	7.80	117	21967	5.829	ug/l #	16
49) 1,4-Dioxane	9.29	88	20	1.035	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	78868	52.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	78868	98.560	ug/l #	15
95) Naphthalene	15.23	128	12947	2.312	ug/l #	93

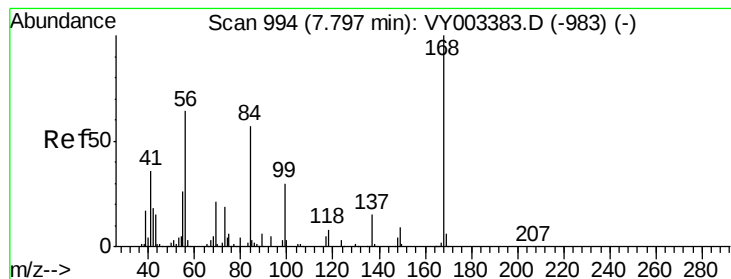
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 31 13:09:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

Instrument :

MSVOA_Y

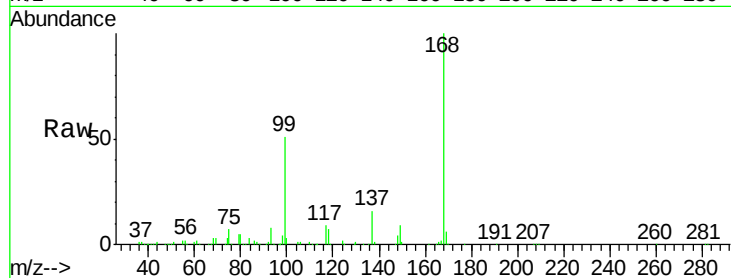
ClientSampleId :

Tot Ion:168 Resp: 242149

Ion Ratio Lower Upper

168 100

99 50.8 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

120000

100000

80000

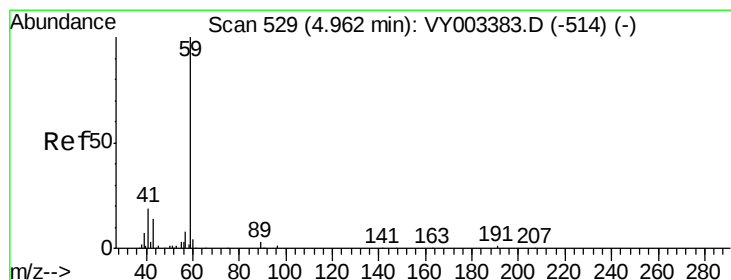
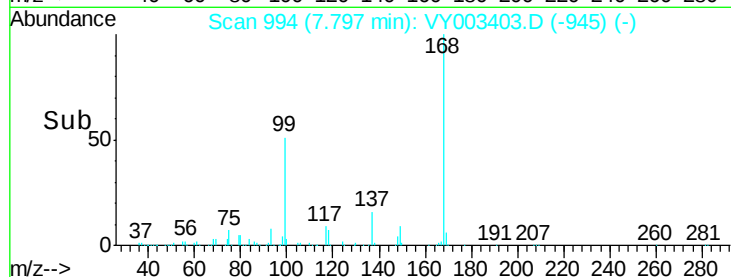
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.92 min Scan# 522

Delta R.T. -0.04 min

Lab File: VY003403.D

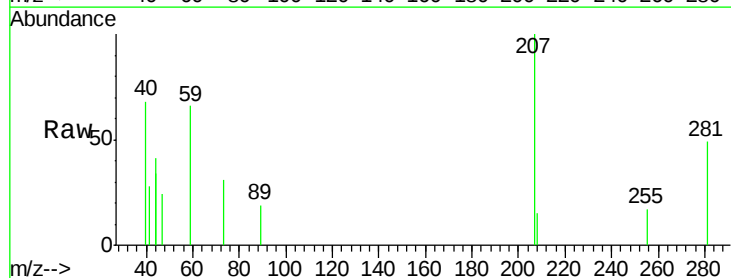
Acq: 31 Jul 2020 20:45

Tgt Ion: 59 Resp: 254

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003383.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY003383.D (-514) (-)

4.92

300

250

200

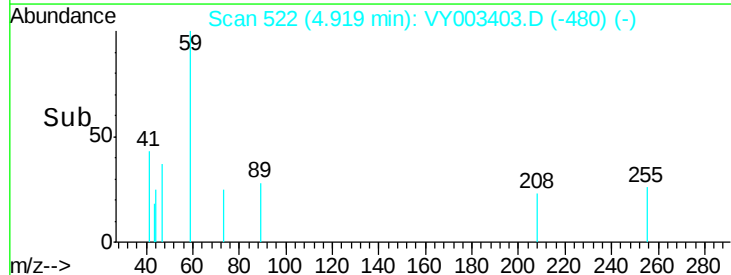
150

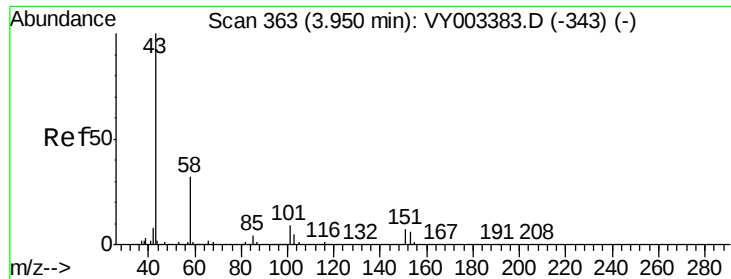
100

50

0

Time-->





#16

Acetone

Concen: 2.616 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

Instrument :

MSVOA_Y

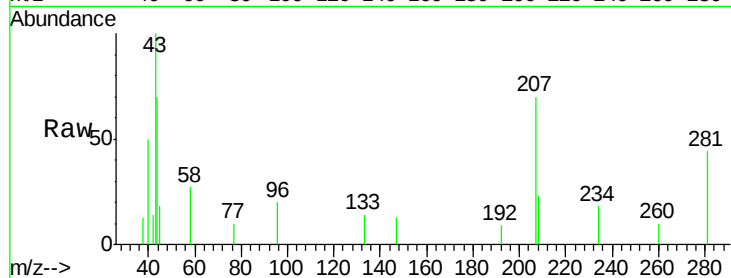
ClientSampleId :

Tot Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

58 26.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

600

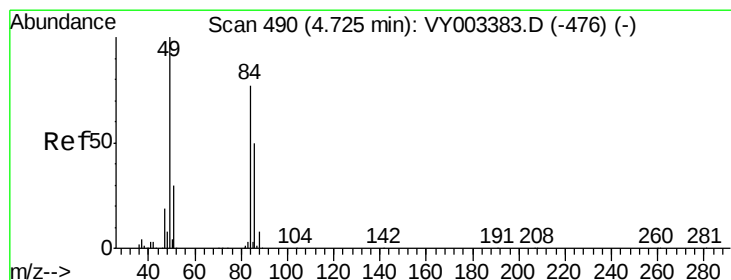
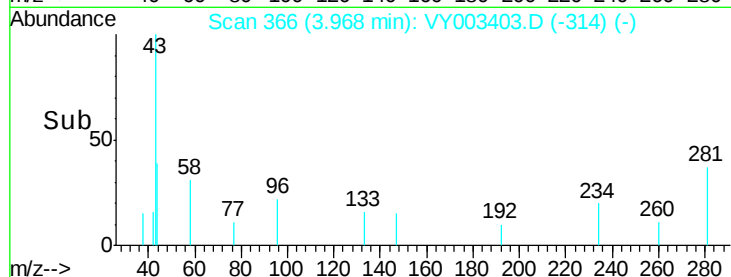
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 1.377 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

Tgt Ion: 84 Resp: 28713

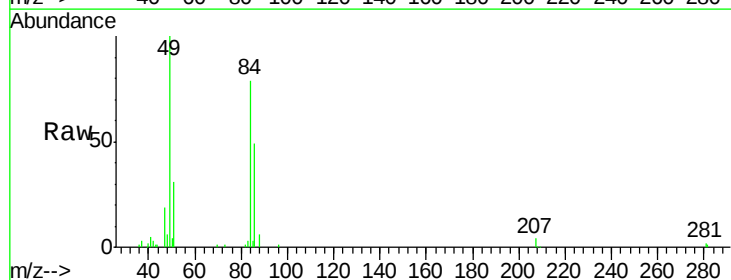
Ion Ratio Lower Upper

84 100

49 126.4 104.2 156.4

51 38.8 31.5 47.3

86 62.3 51.7 77.5



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

15000

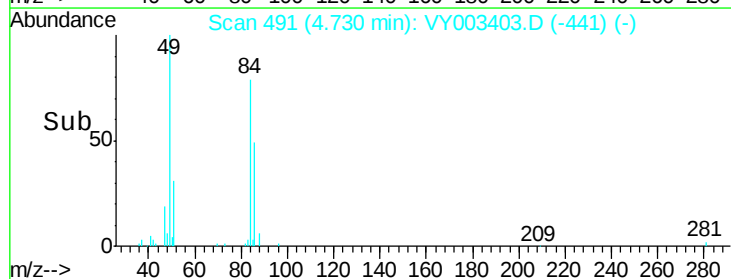
10000

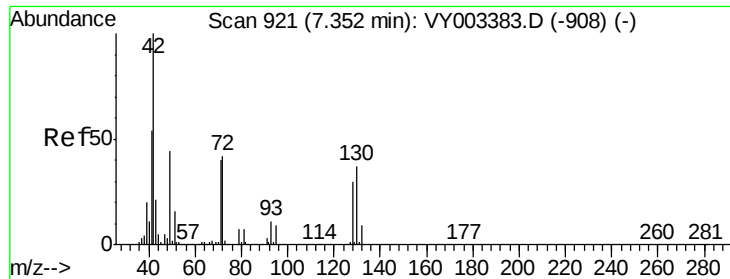
5000

0

4.60 4.70 4.80

Time-->

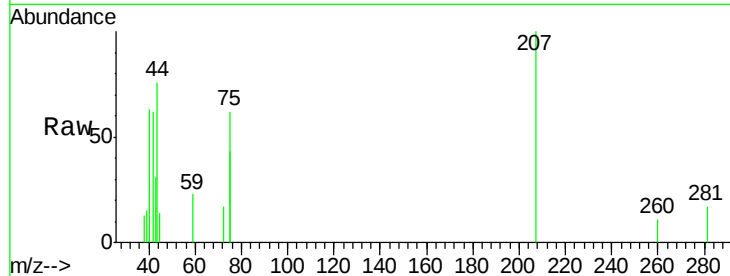




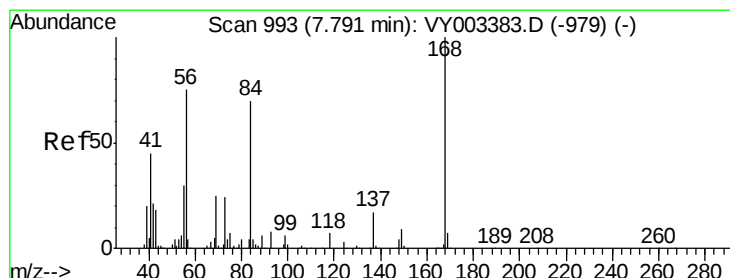
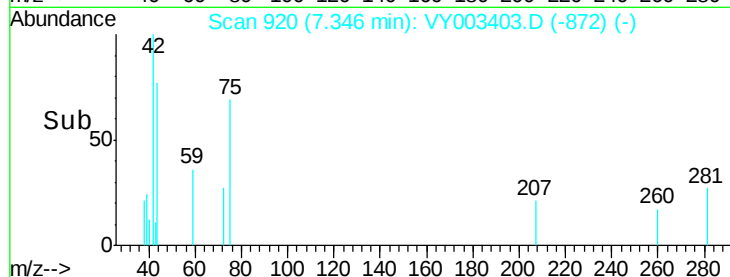
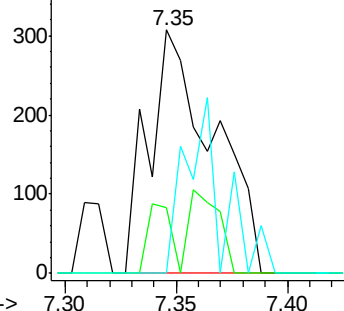
#29
Tetrahydrofuran
Concen: 1.094 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY003403.D
Acq: 31 Jul 2020 20:45

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 619
Ion Ratio Lower Upper
42 100
72 10.2 33.5 50.3#
71 0.0 32.1 48.1#

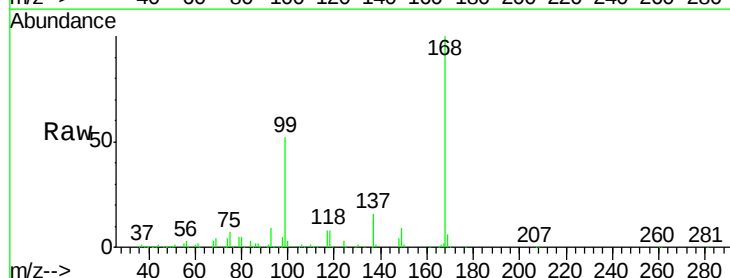


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

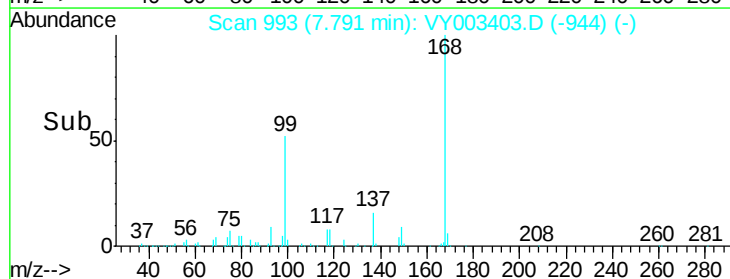
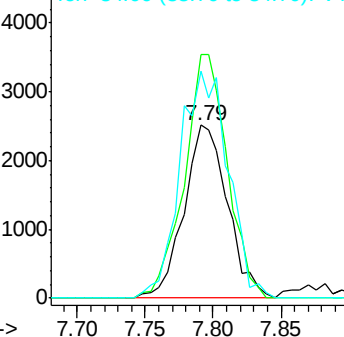


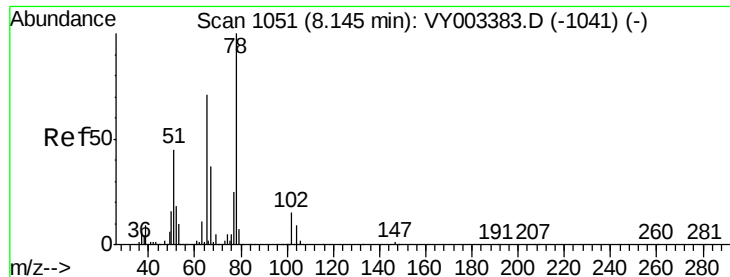
#31
Cyclohexane
Concen: 1.383 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003403.D
Acq: 31 Jul 2020 20:45

Tgt Ion: 56 Resp: 5644
Ion Ratio Lower Upper
56 100
69 141.0 26.1 39.1#
84 131.1 73.9 110.9#



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

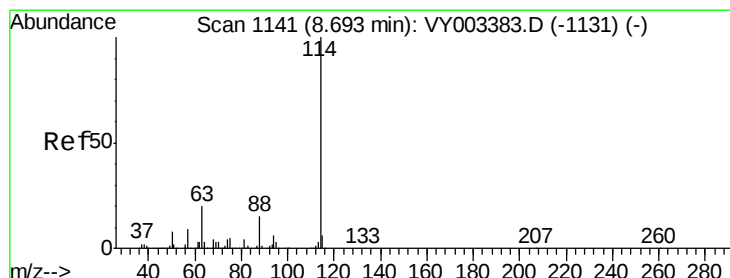
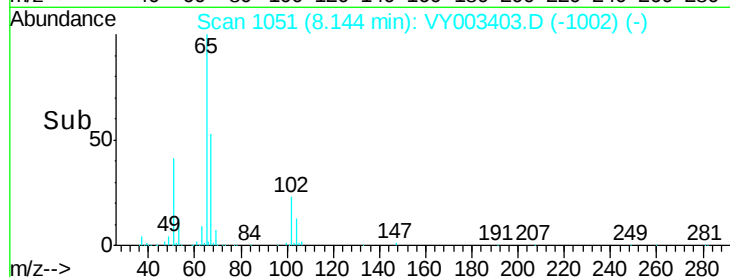
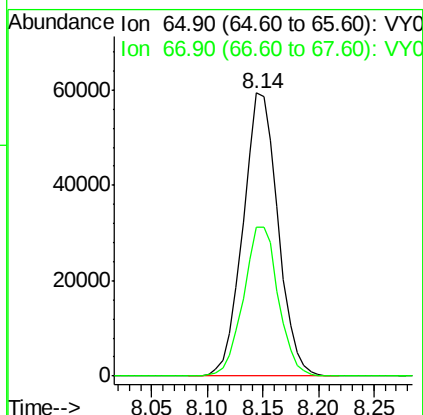
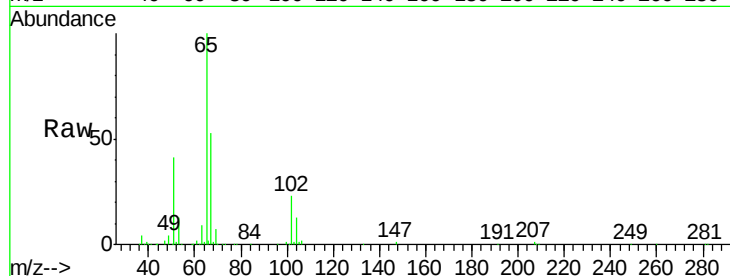




#33
 1,2-Dichloroethane-d4
 Concen: 56.236 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003403.D
 Acq: 31 Jul 2020 20:45

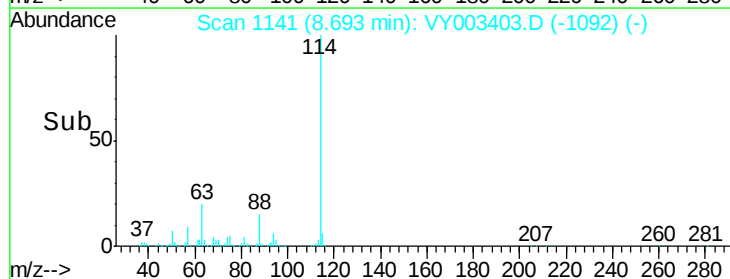
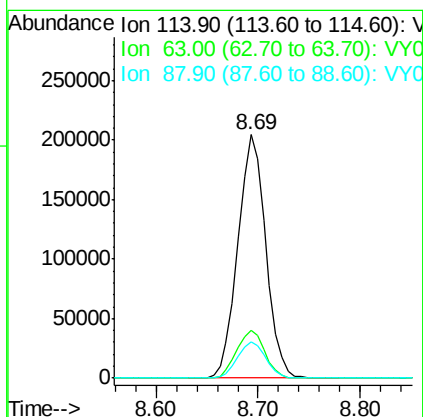
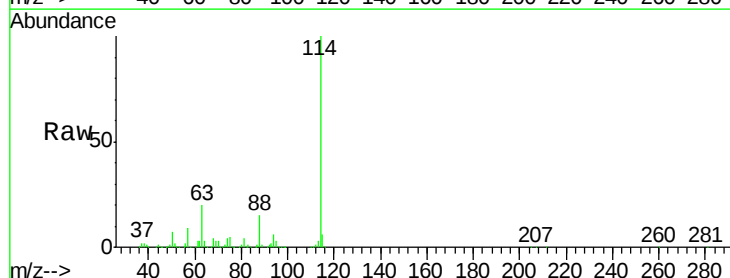
Instrument :
 MSVOA_Y
 ClientSampleId :

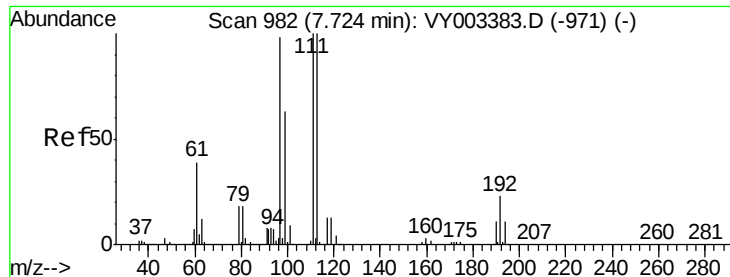
Tot Ion: 65 Resp: 129477
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003403.D
 Acq: 31 Jul 2020 20:45

Tgt Ion: 114 Resp: 387012
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 14.7 0.0 29.2

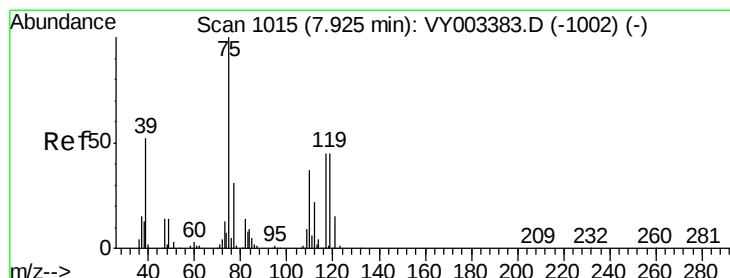
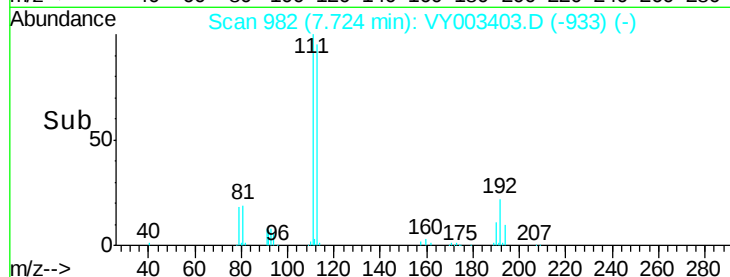
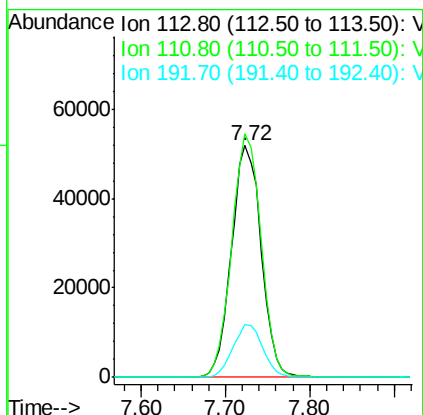
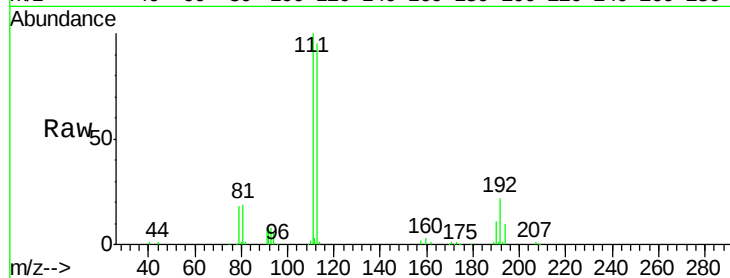




#35
 Dibromofluoromethane
 Concen: 54.066 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003403.D
 Acq: 31 Jul 2020 20:45

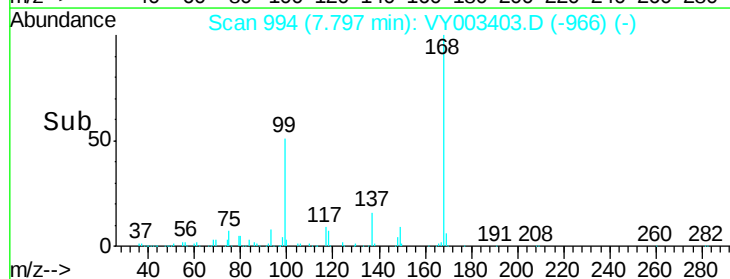
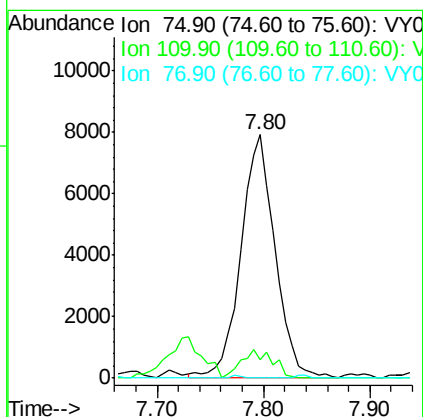
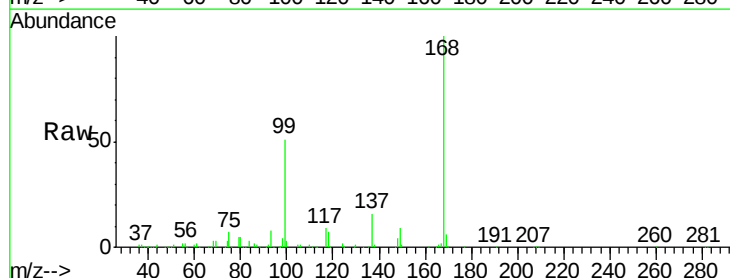
Instrument :
 MSVOA_Y
 ClientSampleId :

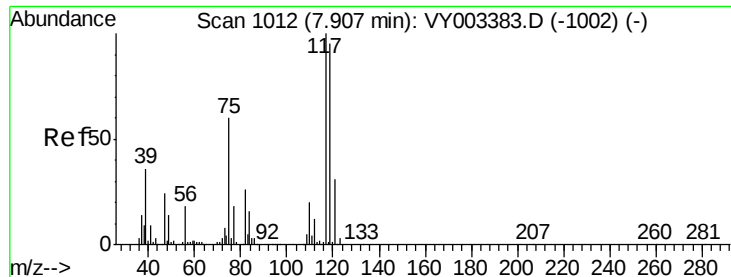
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.4
192	22.7	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.884 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003403.D
 Acq: 31 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.8	53.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampled :

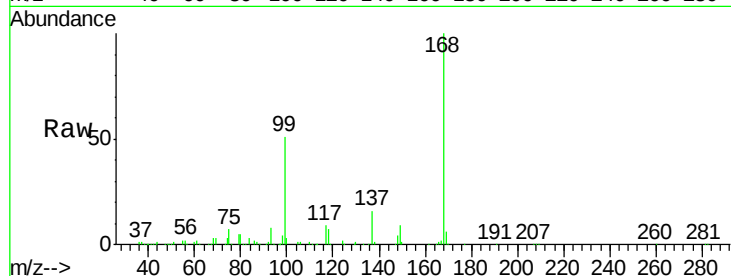
Tot Ion:117 Resp: 21967

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

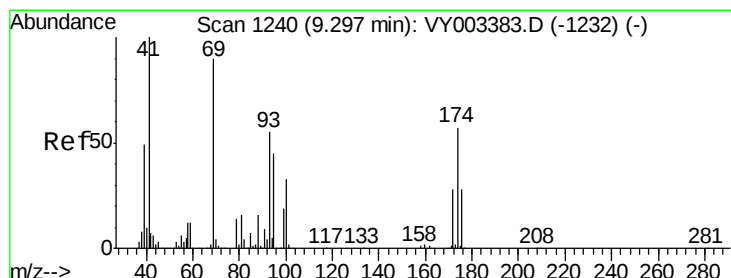
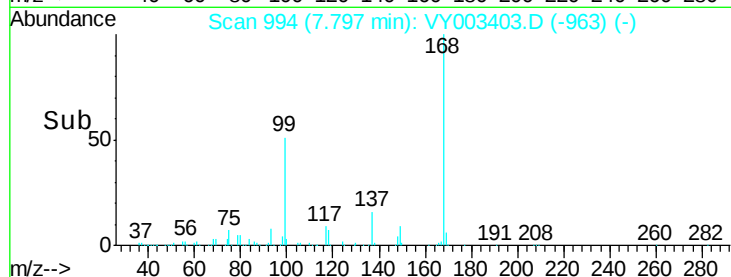
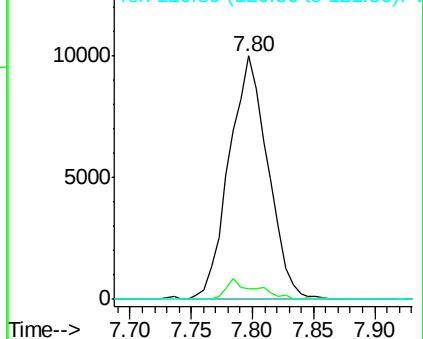
121 0.0 24.5 36.7#



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



#49

1,4-Dioxane

Concen: 1.035 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

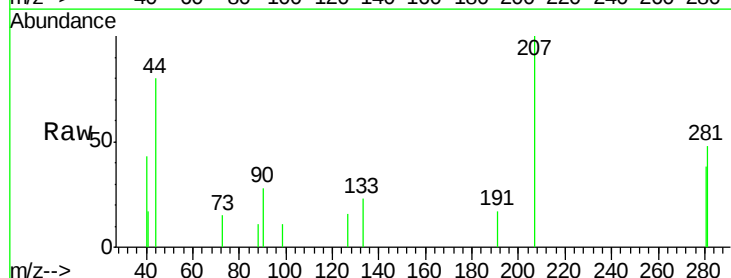
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 205.0 24.9 37.3#

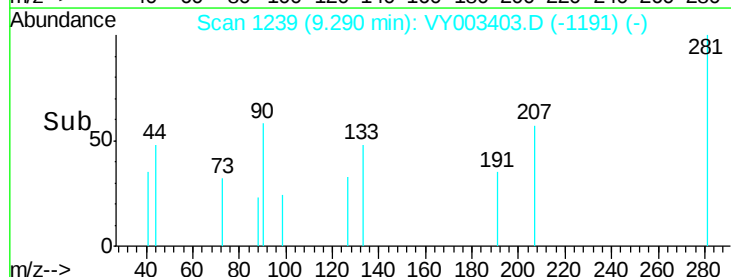
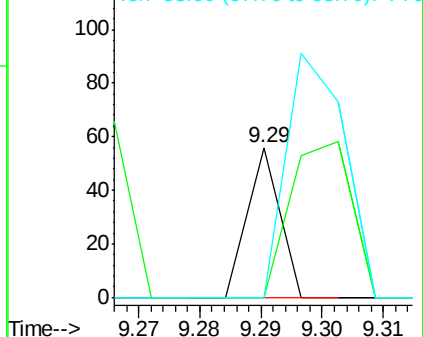
58 300.0 54.3 81.5#

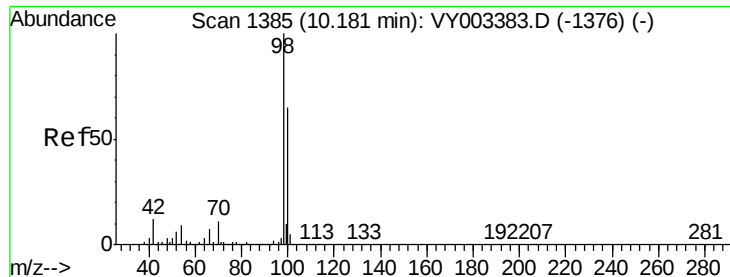


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 53.066 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

Instrument :

MSVOA_Y

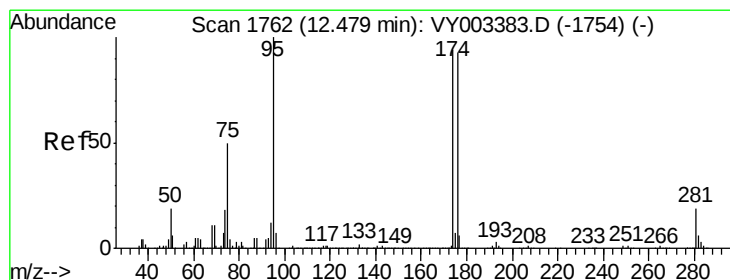
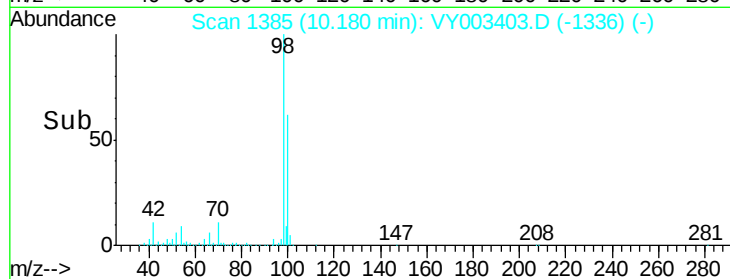
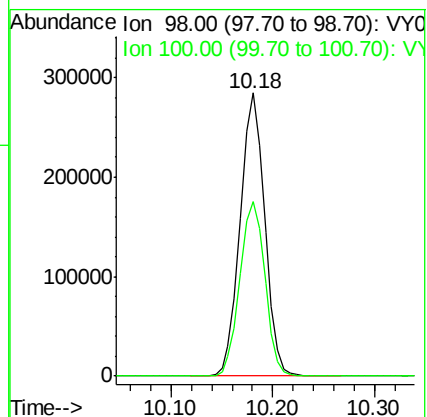
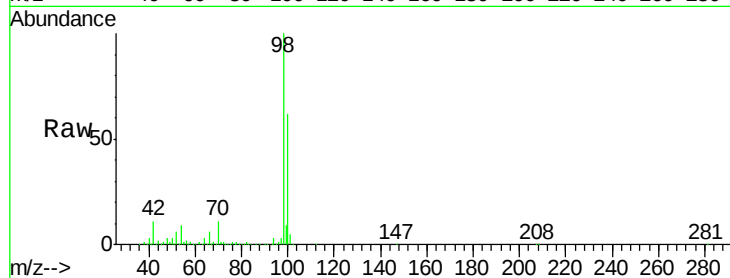
ClientSampleId :

Tot Ion: 98 Resp: 473727

Ion Ratio Lower Upper

98 100

100 63.1 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 49.698 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

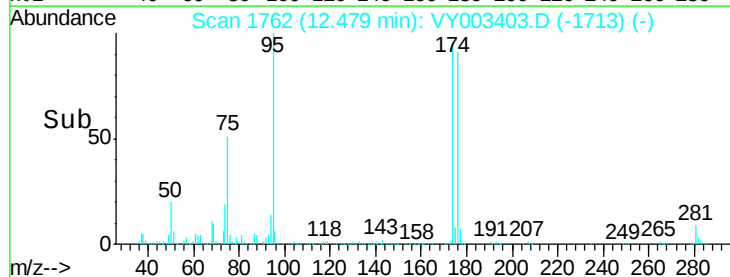
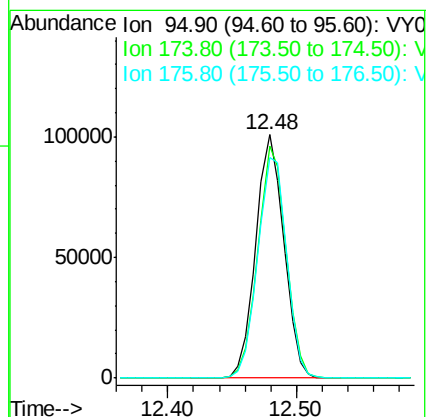
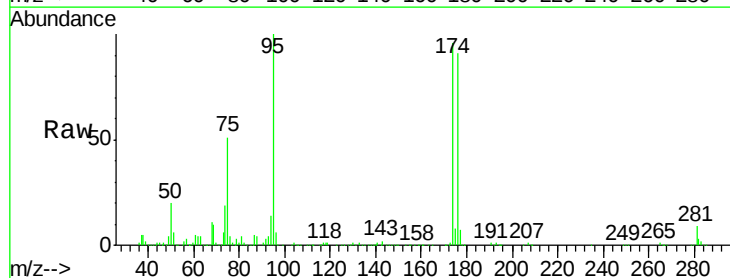
Tgt Ion: 95 Resp: 151588

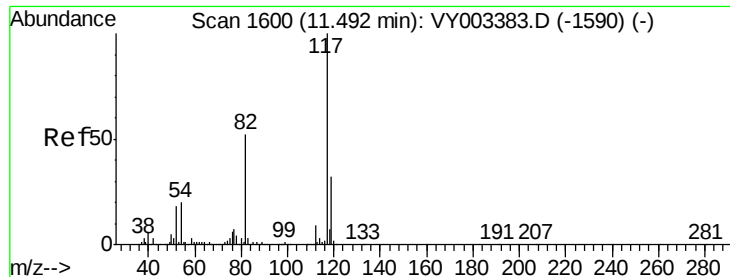
Ion Ratio Lower Upper

95 100

174 95.5 0.0 190.0

176 93.5 0.0 184.4

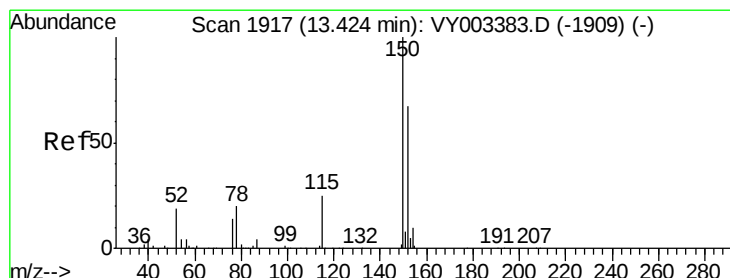
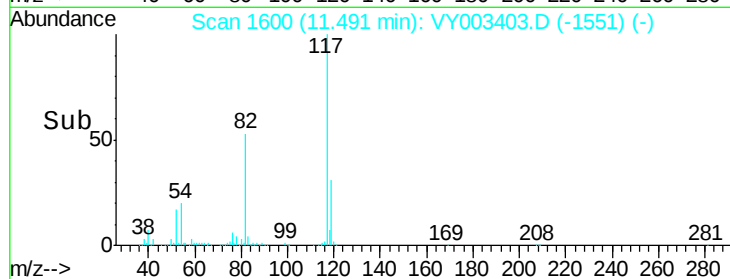
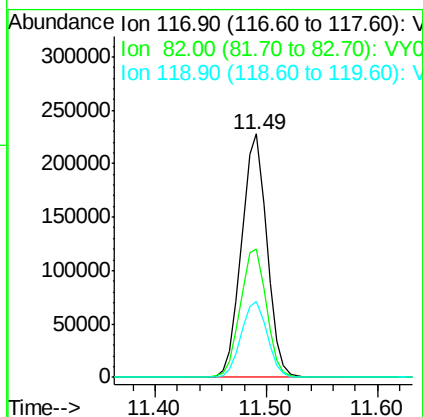
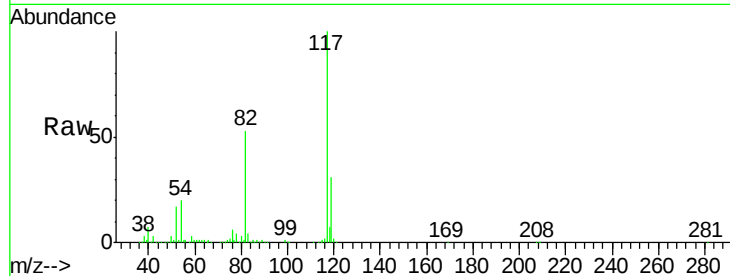




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003403.D
Acq: 31 Jul 2020 20:45

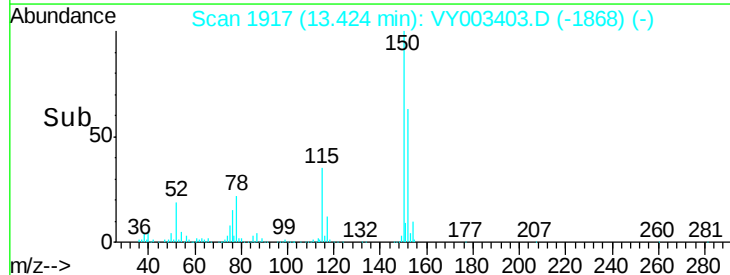
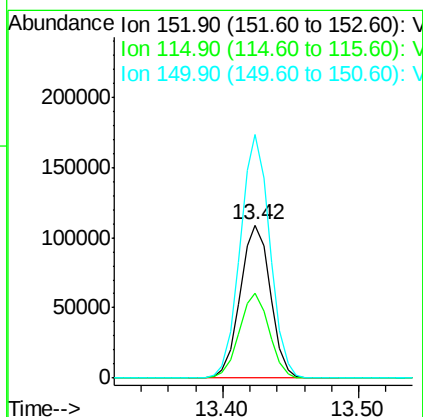
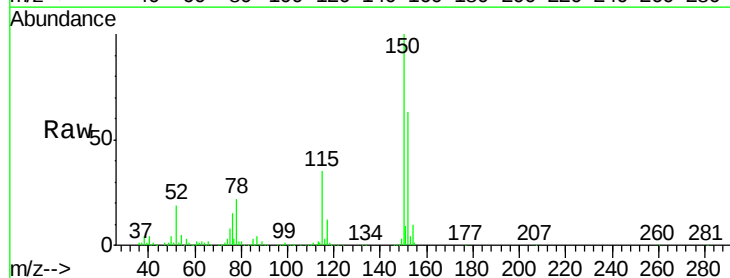
Instrument :
MSVOA_Y
ClientSampleId :

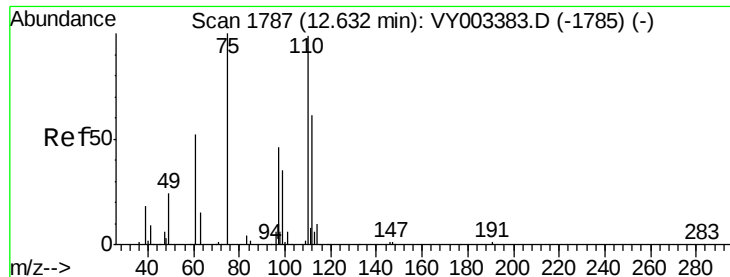
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.9	62.9
119	31.0	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003403.D
Acq: 31 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.2	81.5
150	156.2	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 52.114 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

Instrument :

MSVOA_Y

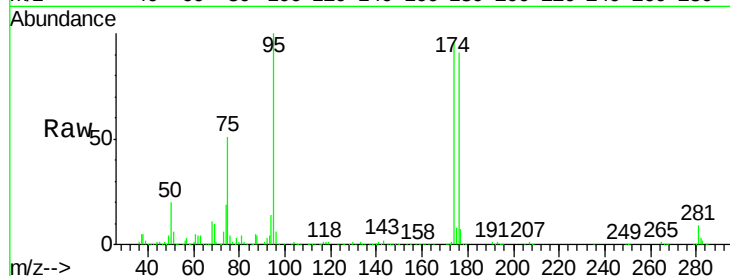
ClientSampleId :

Tot Ion: 75 Resp: 78868

Ion Ratio Lower Upper

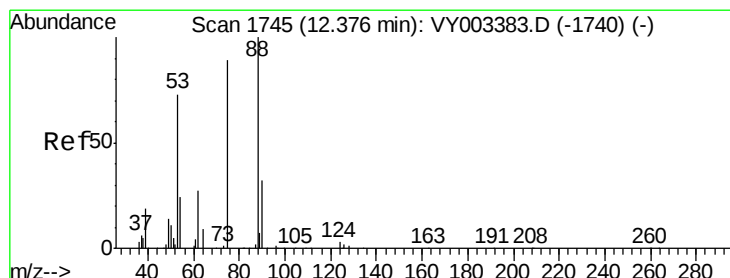
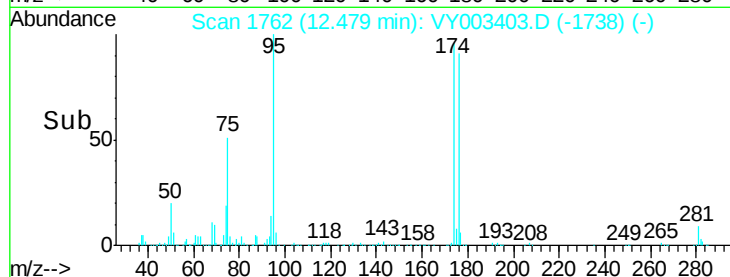
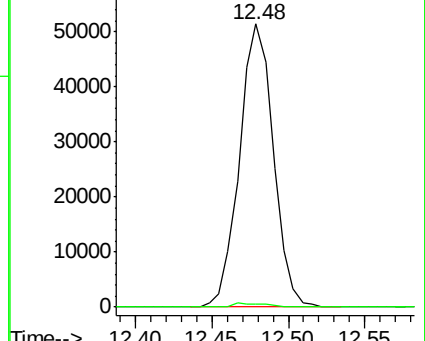
75 100

77 1.5 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: 98.560 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

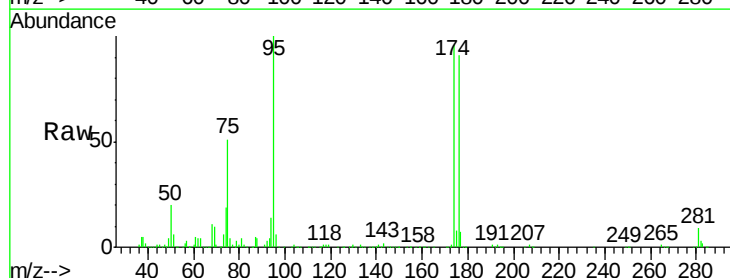
Tgt Ion: 75 Resp: 78868

Ion Ratio Lower Upper

75 100

53 0.2 69.5 104.3#

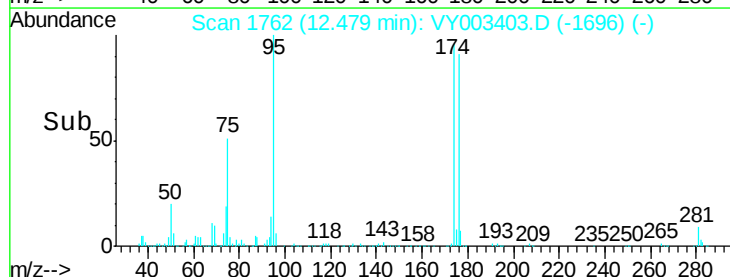
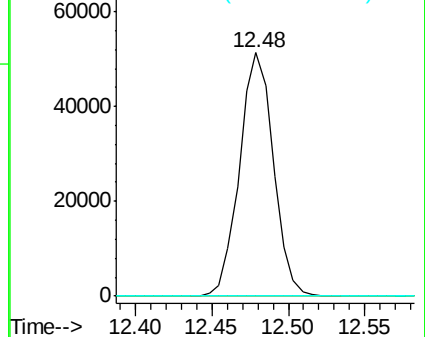
89 0.0 33.8 50.6#

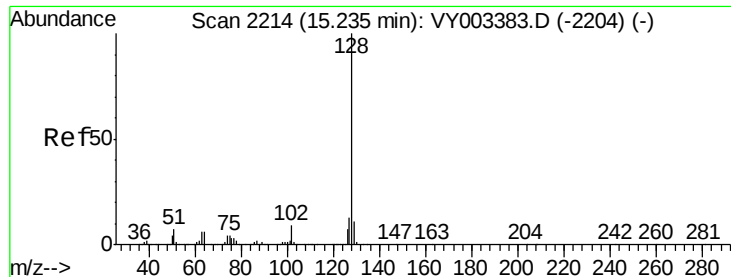


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 2.312 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

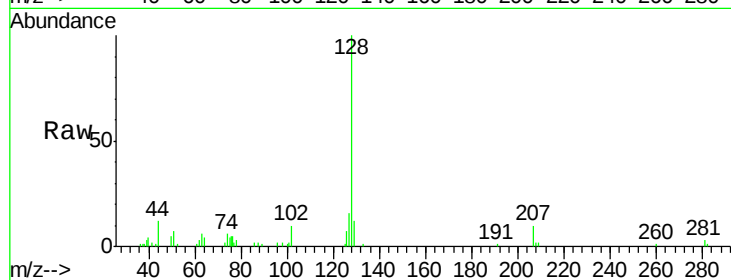
Lab File: VY003403.D

Acq: 31 Jul 2020 20:45

Instrument :

MSVOA_Y

ClientSampleId :



Tot Ion:128 Resp: 12947

Ion Ratio Lower Upper

128 100

127 16.9 10.4 15.6#

129 12.5 8.7 13.1

