

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003390.D
 Acq On : 31 Jul 2020 15:33
 Operator : SY/MD
 Sample : L3491-02
 Misc : 8.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-S2

Quant Time: Aug 01 01:26:46 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	450483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	705582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	628365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	284945	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	227199	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	7.72	113	217958	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.18	98	855591	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.48	95	258645	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

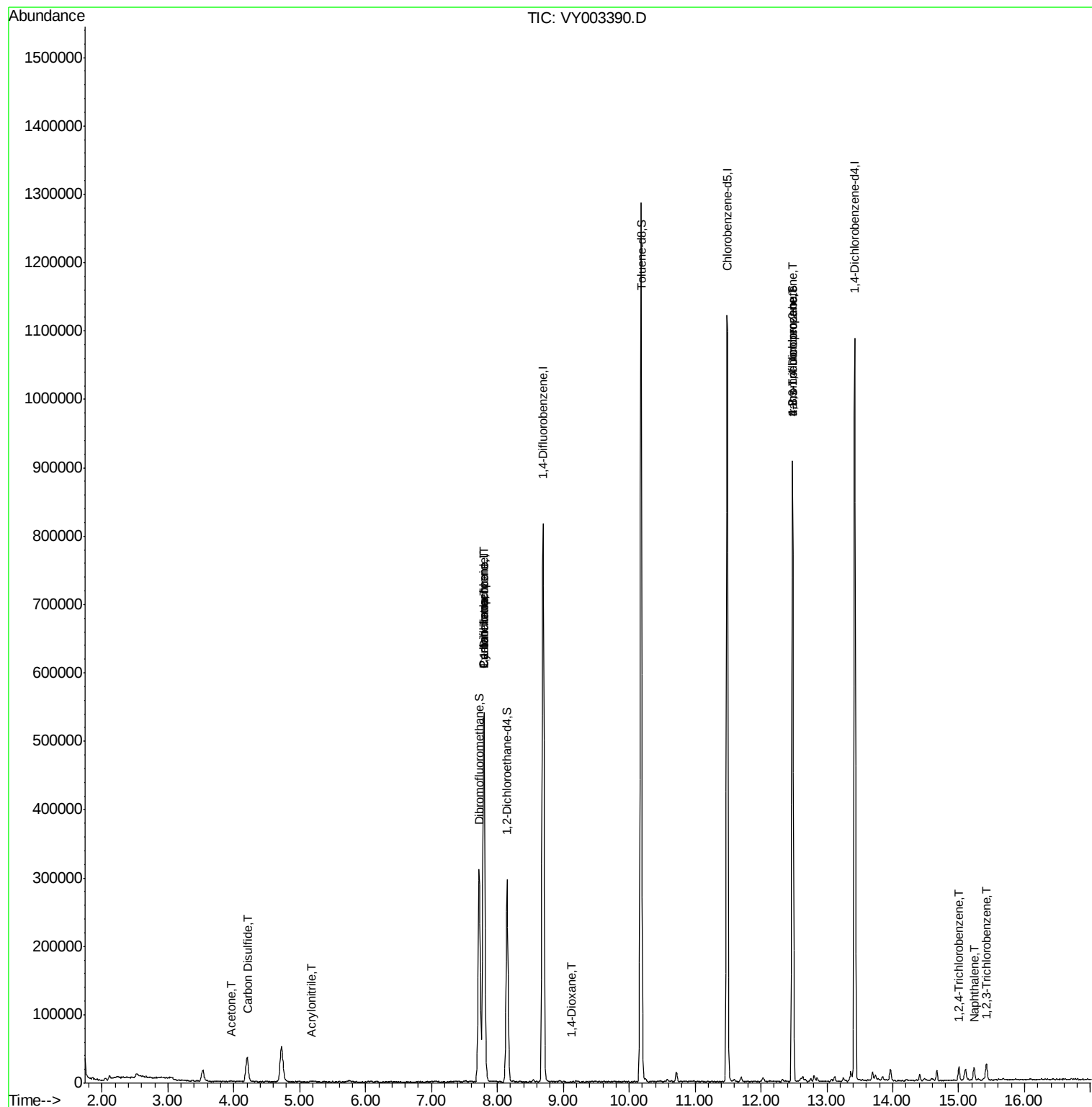
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	113	Below Cal	#	73
15) Acrylonitrile	5.18	53	1187	1.003	ug/l #	86
16) Acetone	3.96	43	1567	1.481	ug/l #	82
17) Carbon Disulfide	4.21	76	73437	5.677	ug/l	97
20) Methylene Chloride	4.73	84	40053	Below Cal		92
31) Cyclohexane	7.79	56	8122	1.070	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	31173	4.669	ug/l #	50
38) Carbon Tetrachloride	7.79	117	40054	5.830	ug/l #	16
49) 1,4-Dioxane	9.13	88	53	1.504	ug/l #	25
76) 1,2,3-Trichloropropane	12.48	75	131548	51.390	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	131548	97.191	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.01	180	6573	1.176	ug/l	96
95) Naphthalene	15.23	128	14541	1.535	ug/l	95
96) 1,2,3-Trichlorobenzene	15.42	180	7585	1.677	ug/l	97

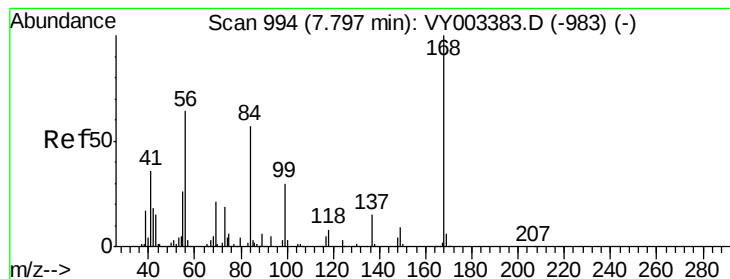
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

Instrument :

MSVOA_Y

ClientSampleId :

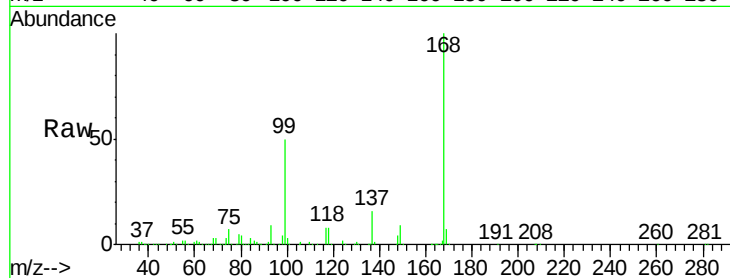
TP-1-S2

Tot Ion:168 Resp: 450483

Ion Ratio Lower Upper

168 100

99 49.9 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003390.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003390.D (-945) (-)

7.80

200000

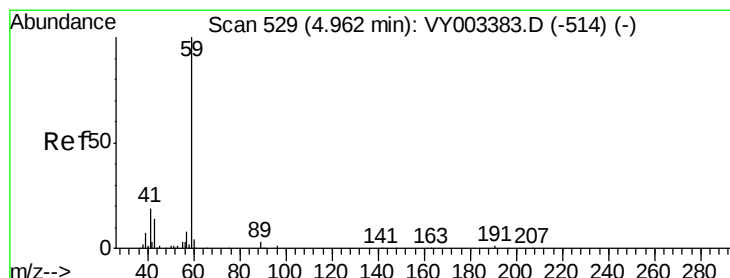
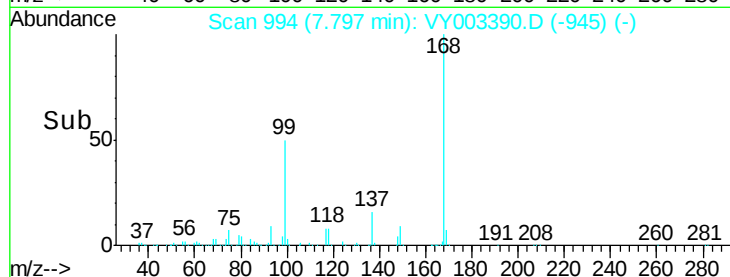
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003390.D

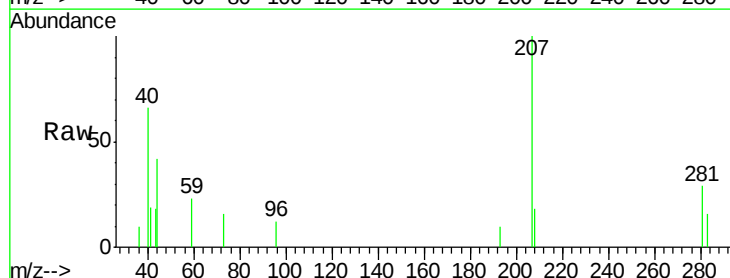
Acq: 31 Jul 2020 15:33

Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003390.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003390.D (-480) (-)

4.96

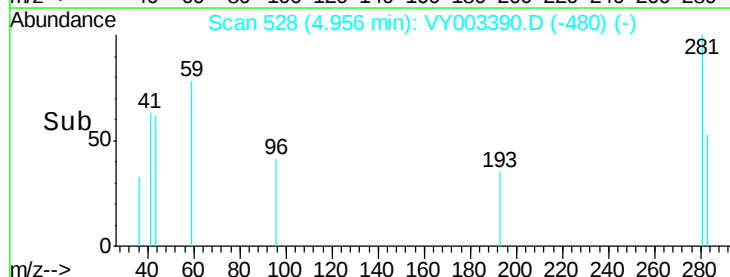
150

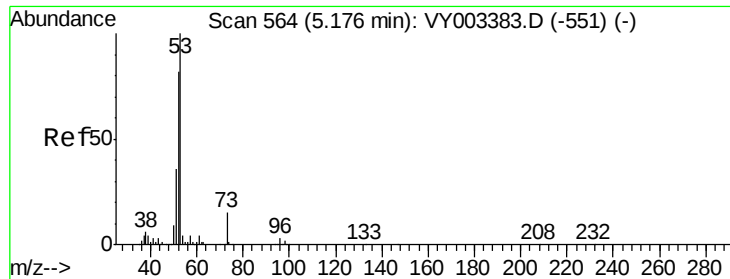
100

50

0

Time-->





#15

Acrylonitrile

Concen: 1.003 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

Instrument :

MSVOA_Y

ClientSampled :

TP-1-S2

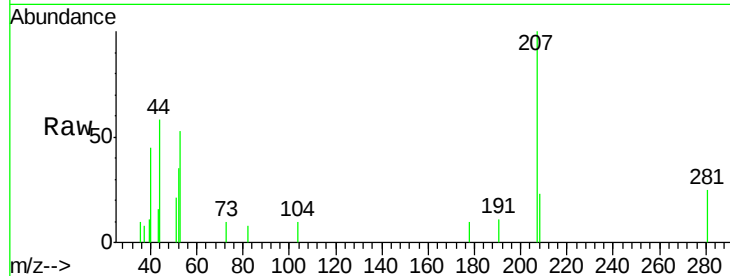
Tot Ion: 53 Resp: 1187

Ion Ratio Lower Upper

53 100

52 89.1 67.0 100.6

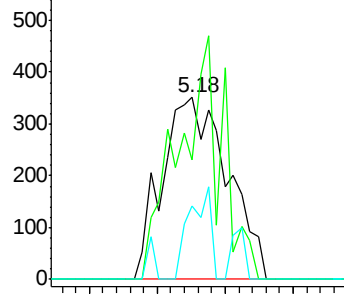
51 16.8 29.3 43.9#



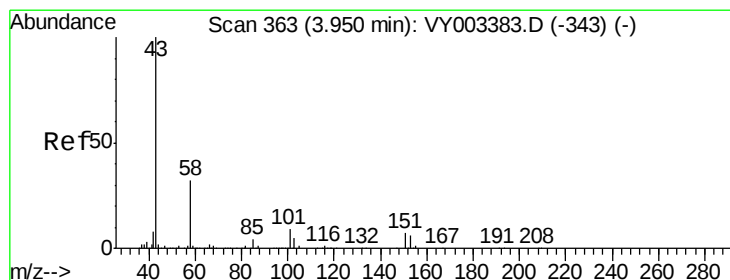
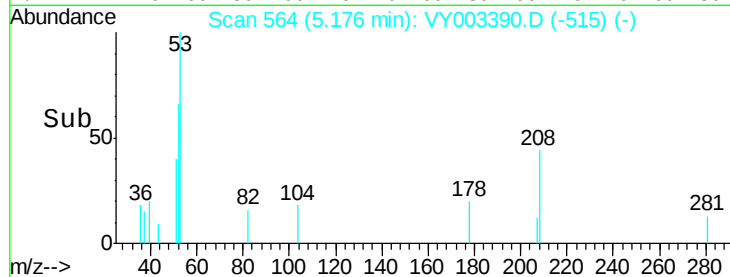
Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



Time-->



#16

Acetone

Concen: 1.481 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003390.D

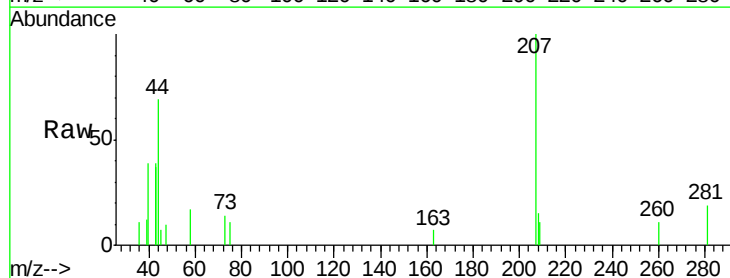
Acq: 31 Jul 2020 15:33

Tgt Ion: 43 Resp: 1567

Ion Ratio Lower Upper

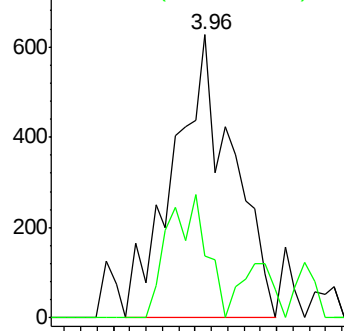
43 100

58 21.7 25.4 38.2#

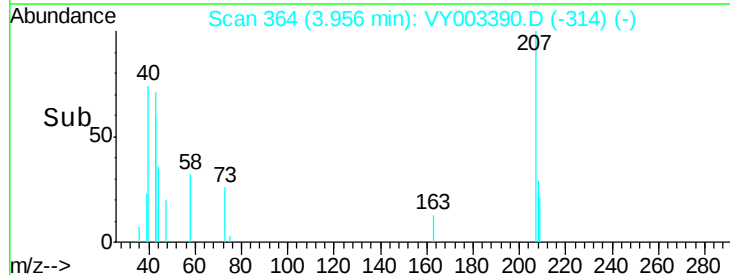


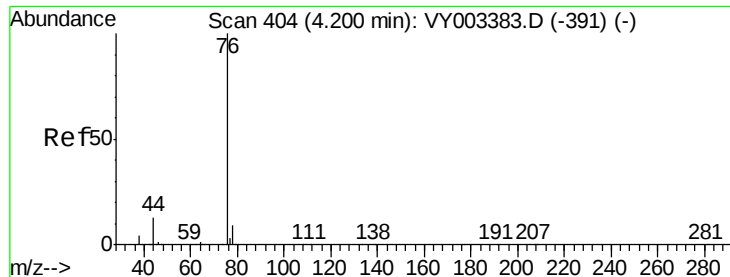
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->





#17

Carbon Disulfide

Concen: 5.677 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

Instrument :

MSVOA_Y

ClientSampleId :

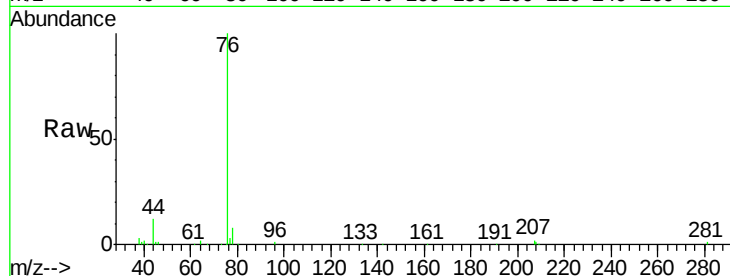
TP-1-S2

Tot Ion: 76 Resp: 73437

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

30000

25000

20000

15000

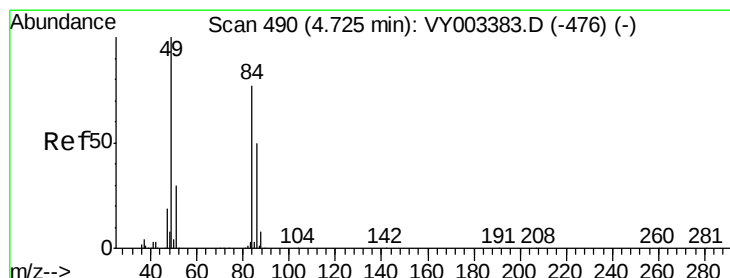
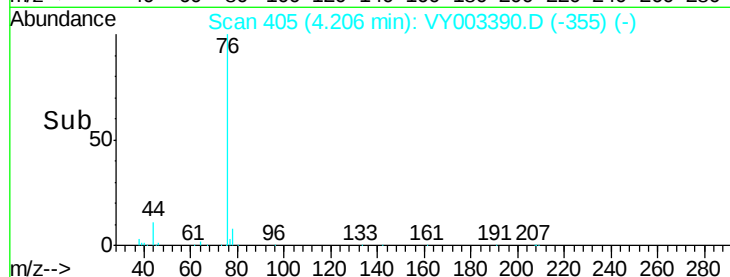
10000

5000

0

4.10 4.20 4.30

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

Tgt Ion: 84 Resp: 40053

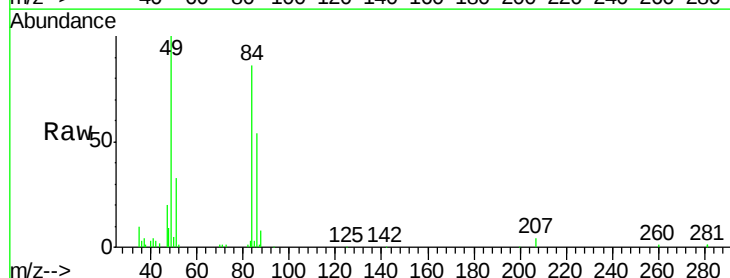
Ion Ratio Lower Upper

84 100

49 115.9 104.2 156.4

51 38.3 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

25000

20000

15000

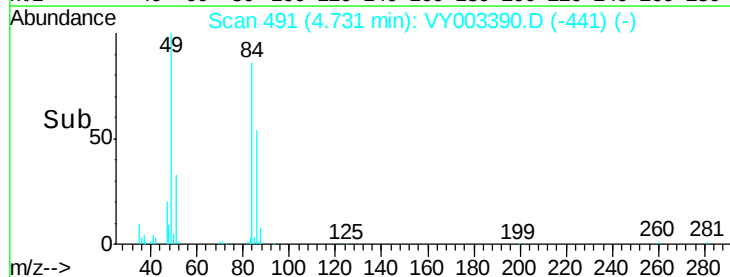
10000

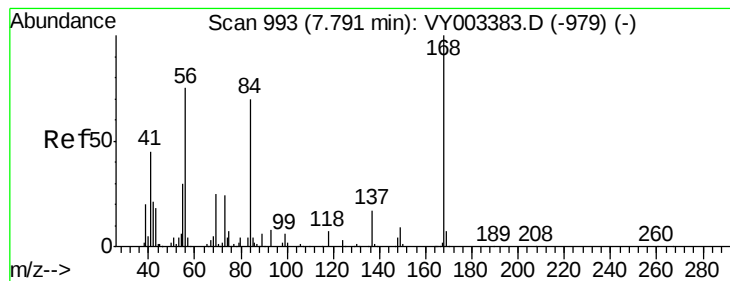
5000

0

4.60 4.70 4.80 4.90

Time-->





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-S2

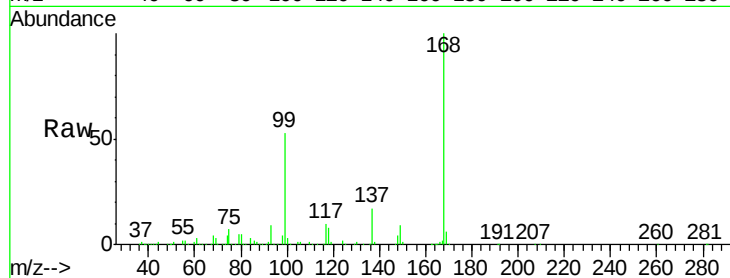
Tot Ion: 56 Resp: 8122

Ion Ratio Lower Upper

56 100

69 157.9 26.1 39.1#

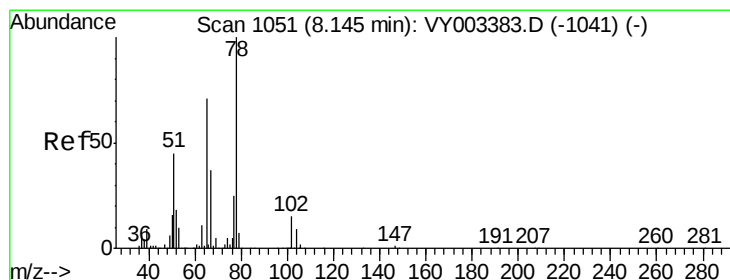
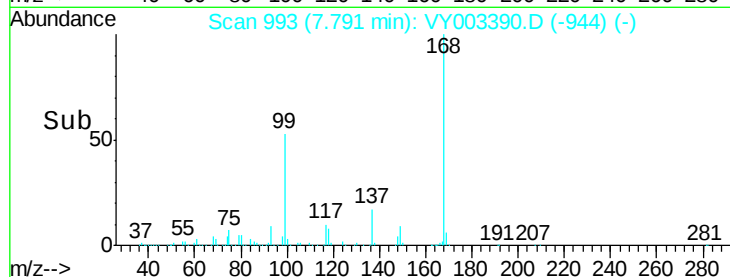
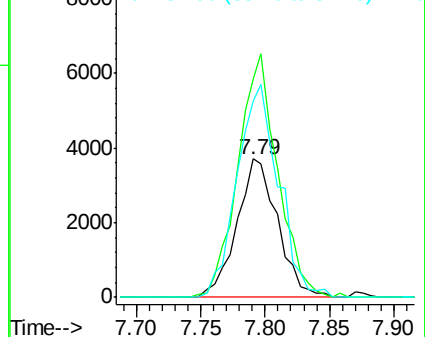
84 141.8 73.9 110.9#



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: 53.044 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003390.D

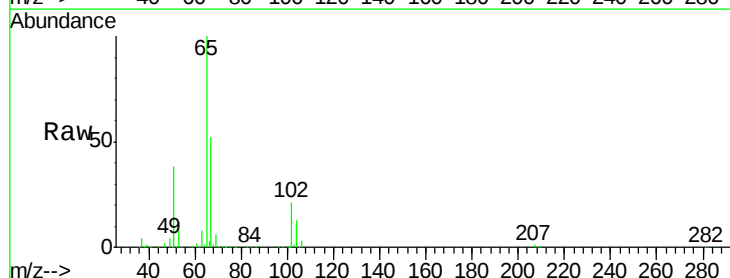
Acq: 31 Jul 2020 15:33

Tgt Ion: 65 Resp: 227199

Ion Ratio Lower Upper

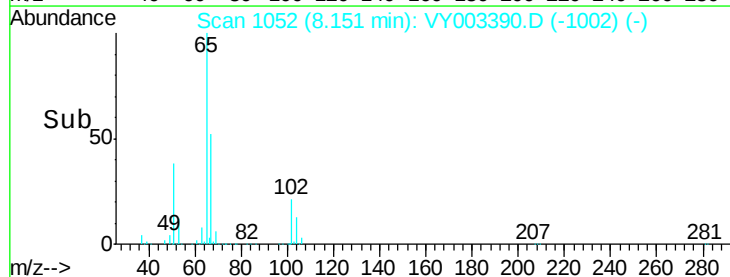
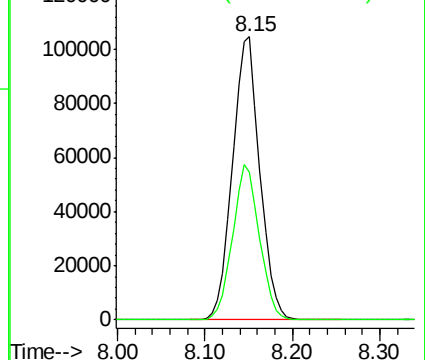
65 100

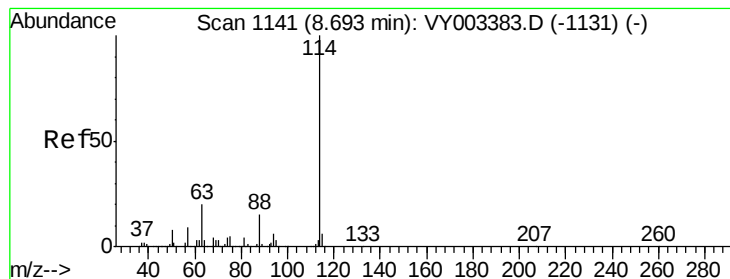
67 53.8 0.0 106.6



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: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-S2

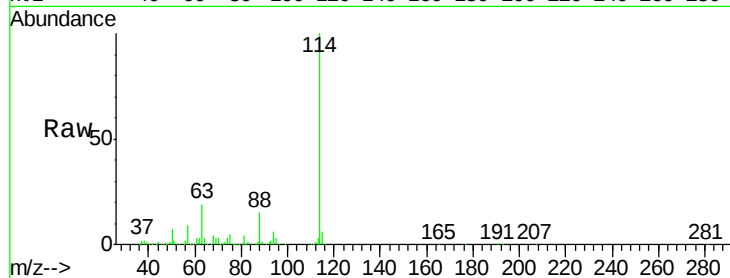
Tot Ion:114 Resp: 705582

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.6

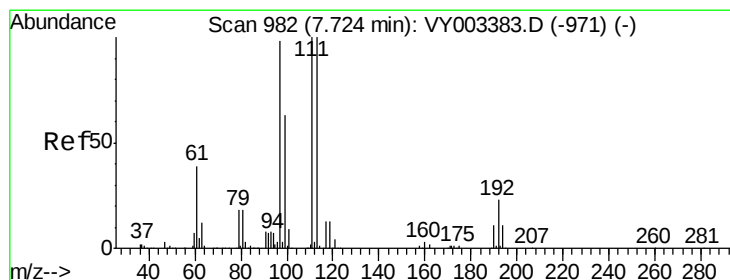
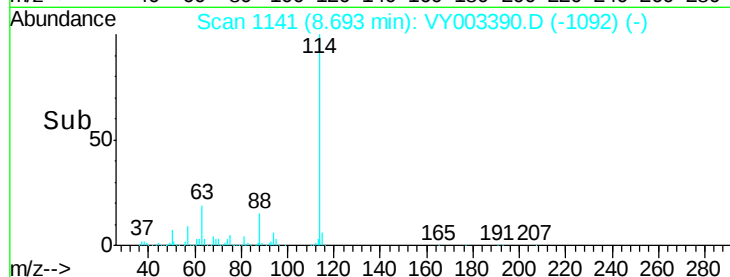
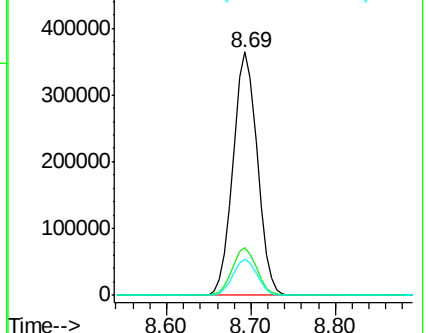
88 15.0 0.0 29.2



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: 52.440 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

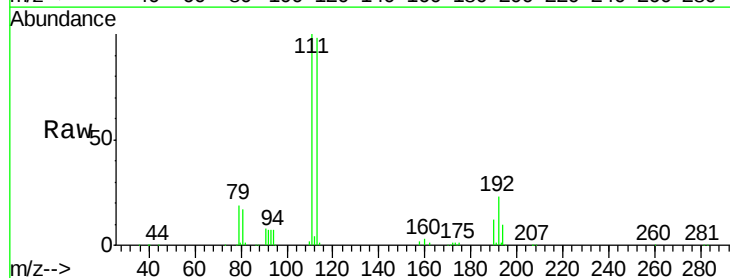
Tgt Ion:113 Resp: 217958

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

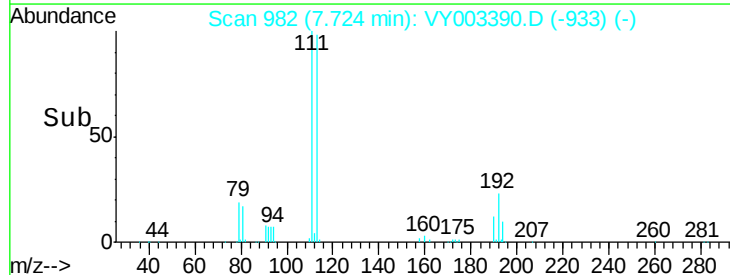
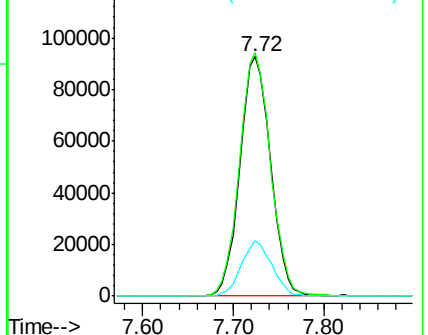
192 22.9 18.8 28.2

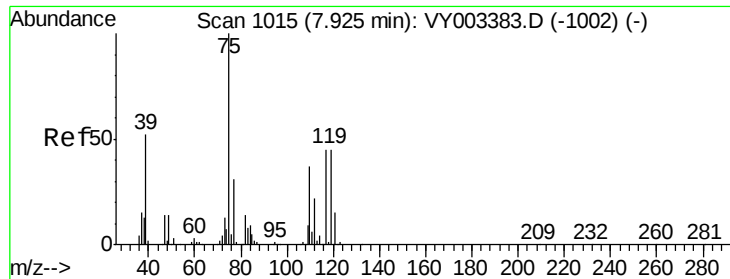


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.669 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

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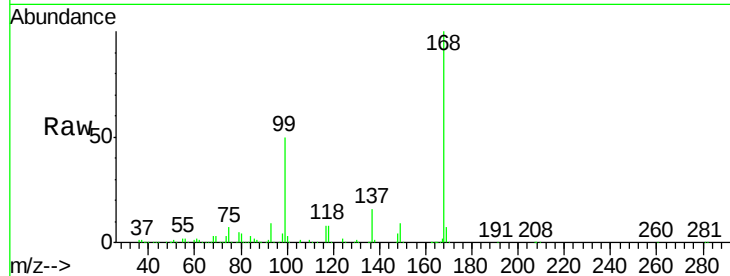
Tot Ion: 75 Resp: 31173

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

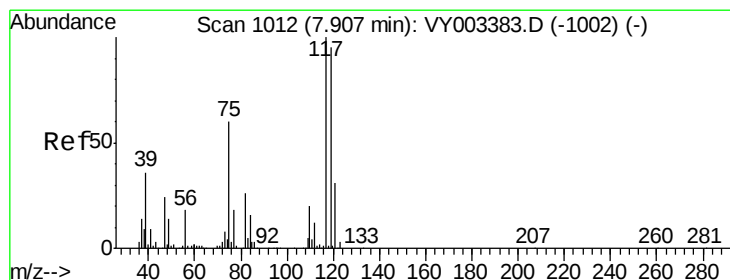
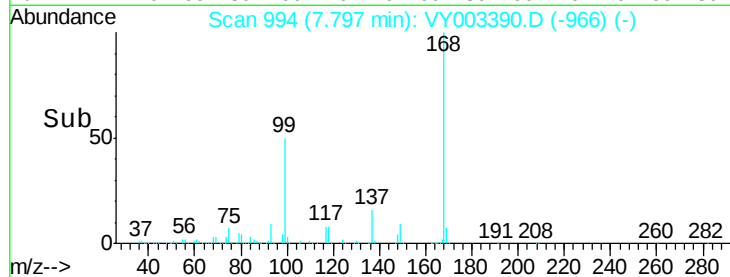
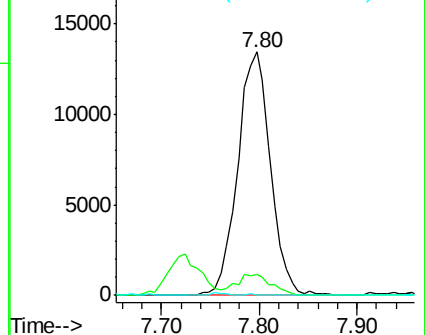
77 0.1 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VY003390.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003390.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003390.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.830 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

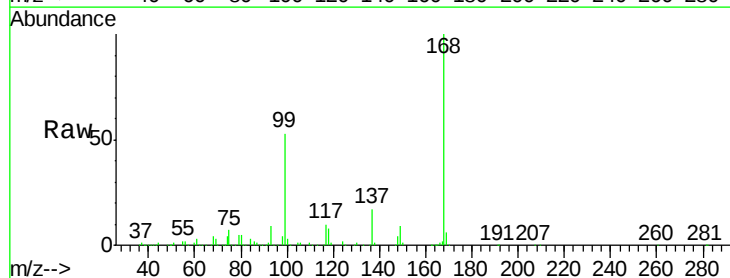
Tgt Ion: 117 Resp: 40054

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

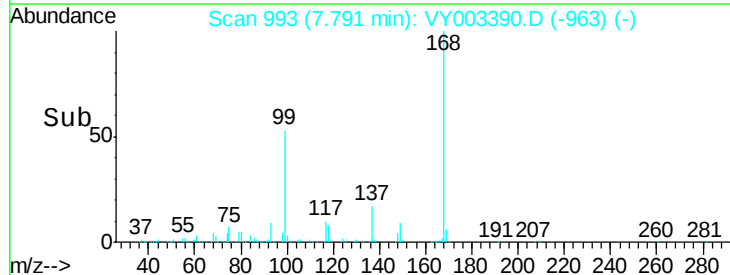
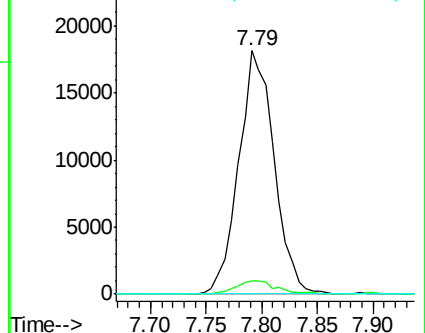
121 0.0 24.5 36.7#

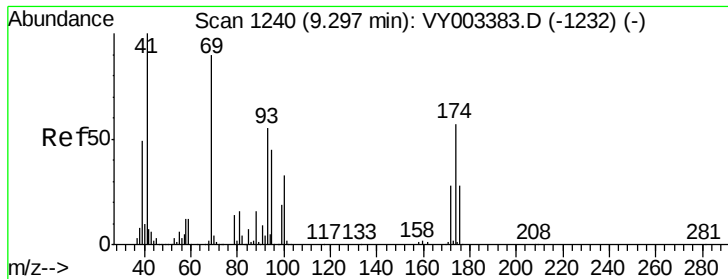


Abundance Ion 116.80 (116.50 to 117.50): VY003390.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003390.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003390.D (-963) (-)

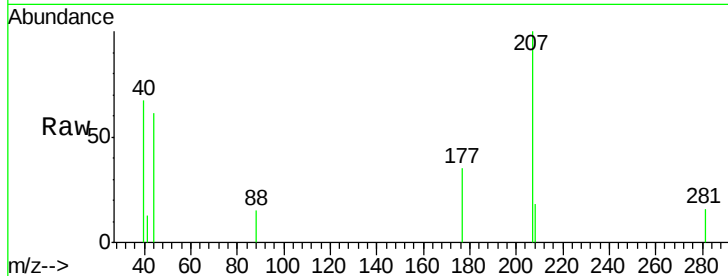




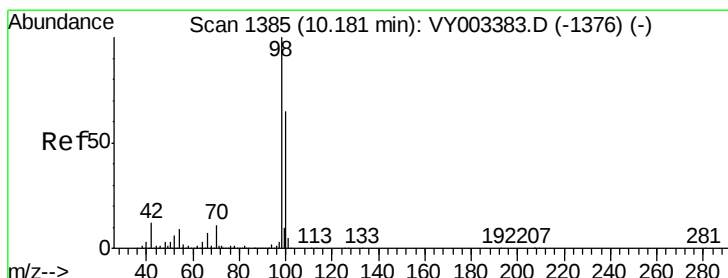
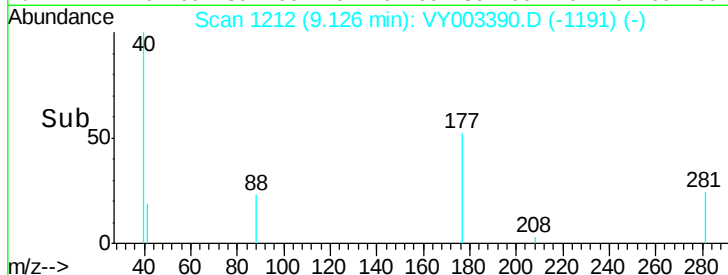
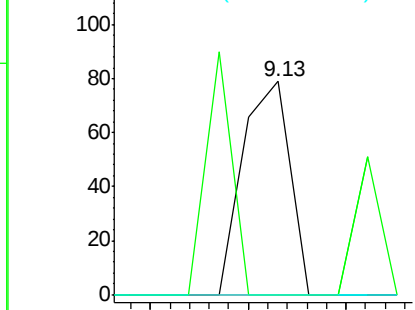
#49
 1,4-Dioxane
 Concen: 1.504 ug/l
 RT: 9.13 min Scan# 1212
 Delta R.T. -0.17 min
 Lab File: VY003390.D
 Acq: 31 Jul 2020 15:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-S2

Tot Ion: 88 Resp: 53
 Ion Ratio Lower Upper
 88 100
 43 62.3 24.9 37.3#
 58 0.0 54.3 81.5#

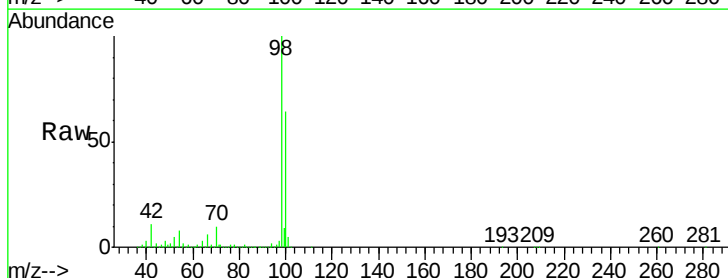


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

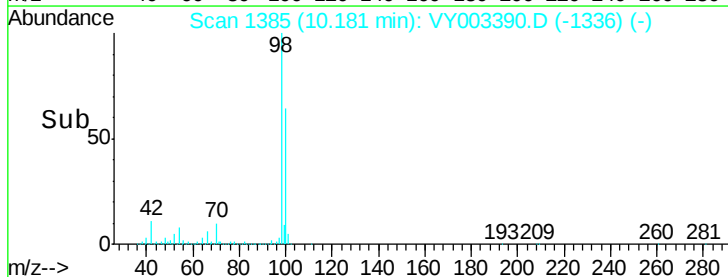
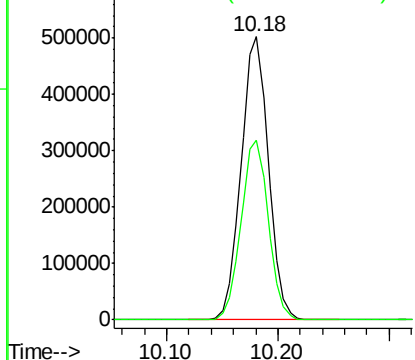


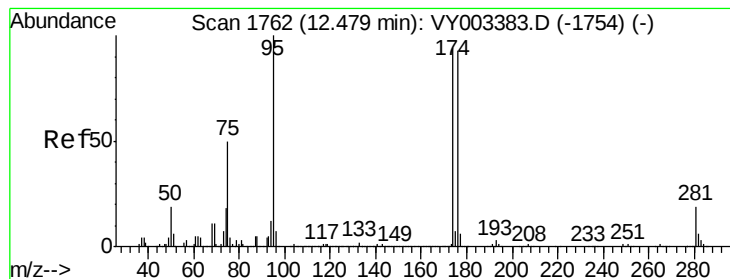
#50
 Toluene-d8
 Concen: 52.570 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY003390.D
 Acq: 31 Jul 2020 15:33

Tgt Ion: 98 Resp: 855591
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 46.511 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-S2

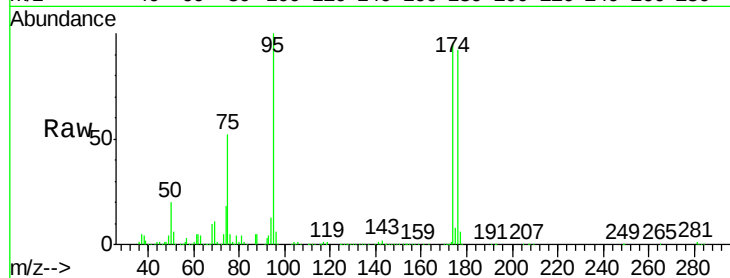
Tot Ion: 95 Resp: 258645

Ion Ratio Lower Upper

95 100

174 94.8 0.0 190.0

176 92.0 0.0 184.4



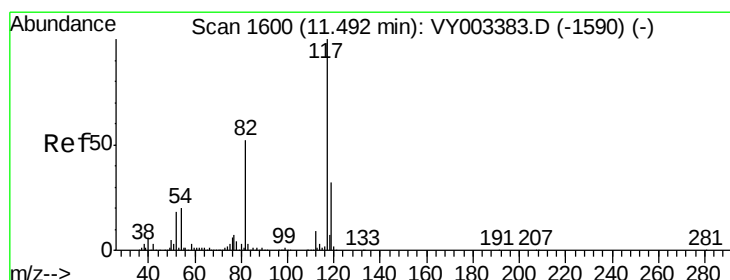
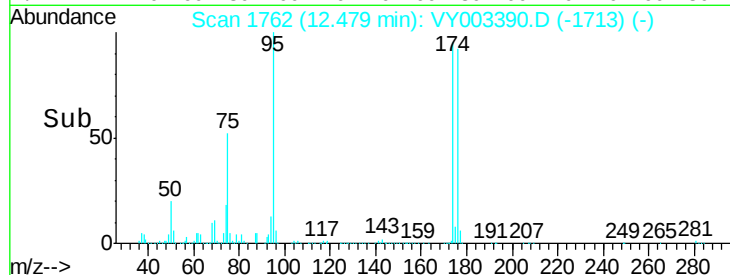
Abundance Ion 94.90 (94.60 to 95.60): VY003383.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003383.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003383.D (-1754) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003390.D

Acq: 31 Jul 2020 15:33

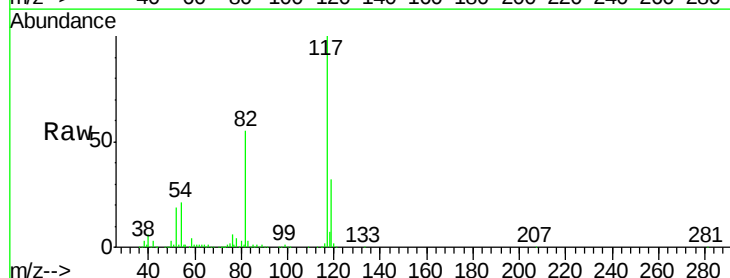
Tgt Ion: 117 Resp: 628365

Ion Ratio Lower Upper

117 100

82 55.0 41.9 62.9

119 32.2 25.4 38.0



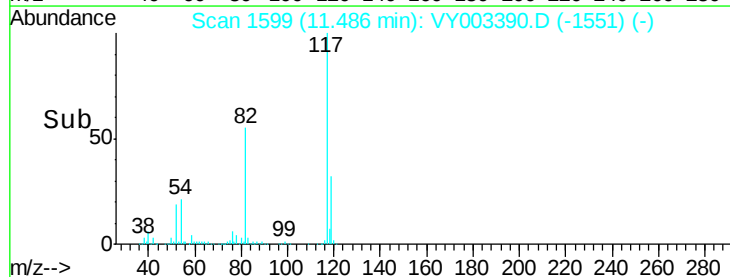
Abundance Ion 116.90 (116.60 to 117.60): VY003383.D (-1590) (-)

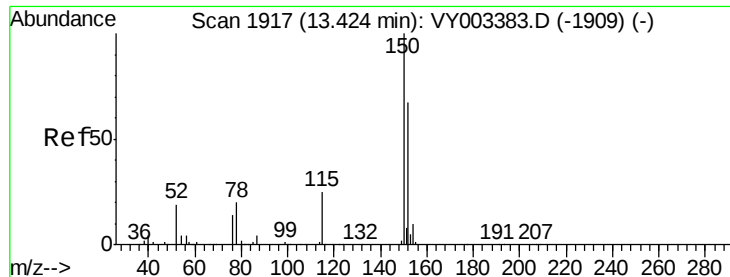
Ion 82.00 (81.70 to 82.70): VY003383.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY003383.D (-1590) (-)

11.49

Time-->



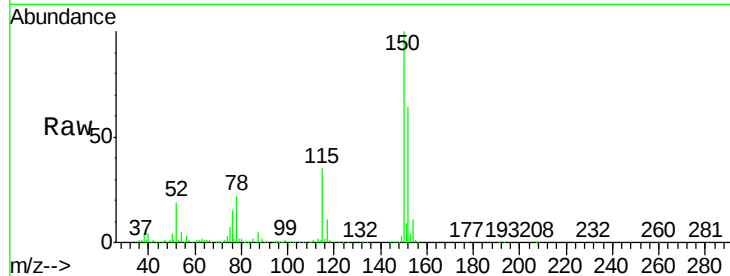


#72

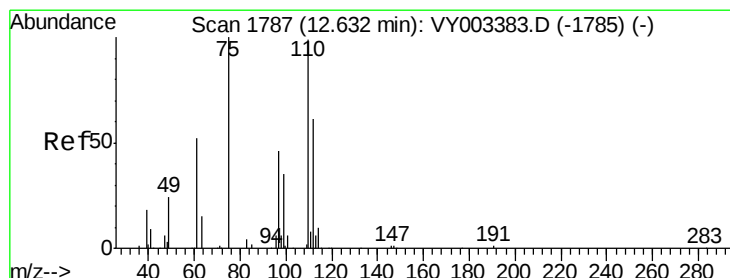
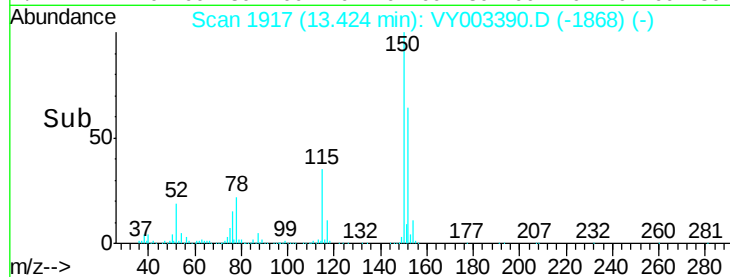
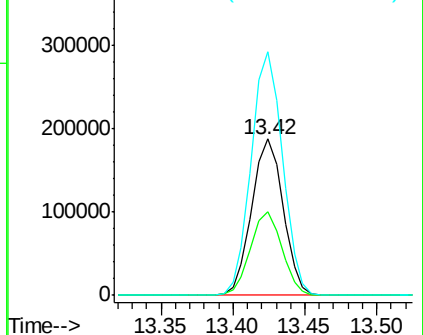
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003390.D
Acq: 31 Jul 2020 15:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-S2

Tot Ion:152 Resp: 284945
Ion Ratio Lower Upper
152 100
115 53.6 27.2 81.5
150 155.1 0.0 346.8



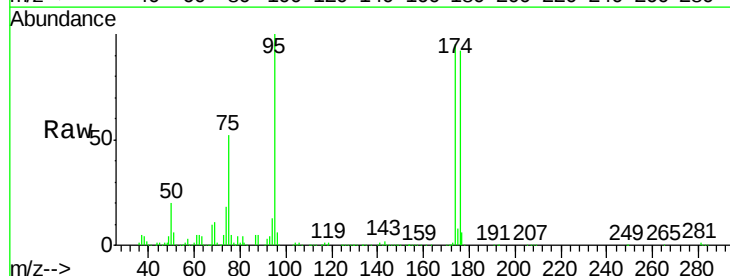
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



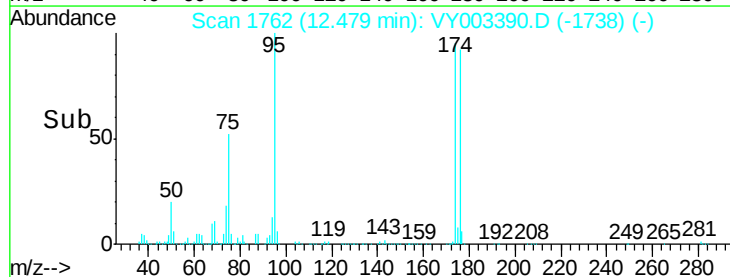
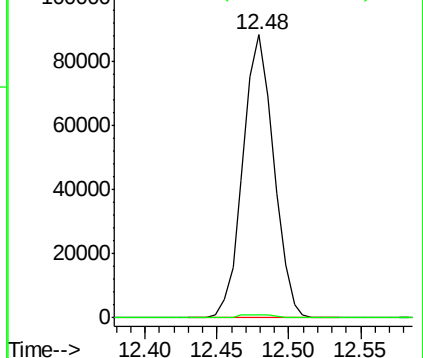
#76

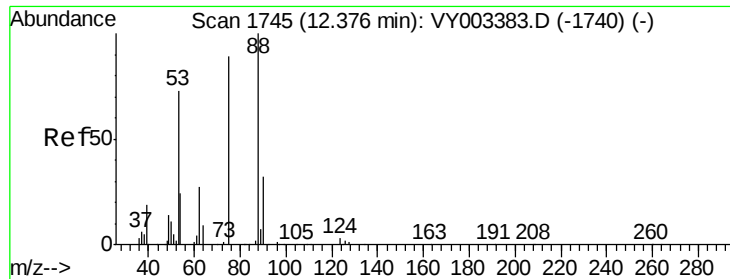
1,2,3-Trichloropropane
Concen: 51.390 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003390.D
Acq: 31 Jul 2020 15:33

Tgt Ion: 75 Resp: 131548
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0

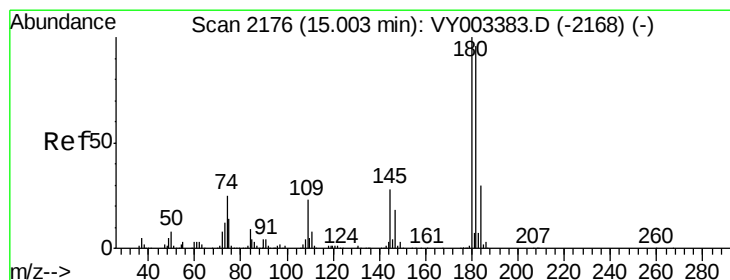
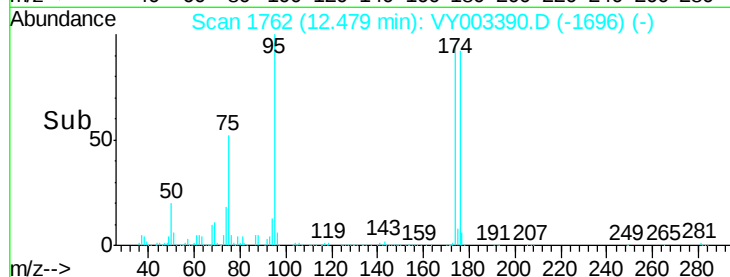
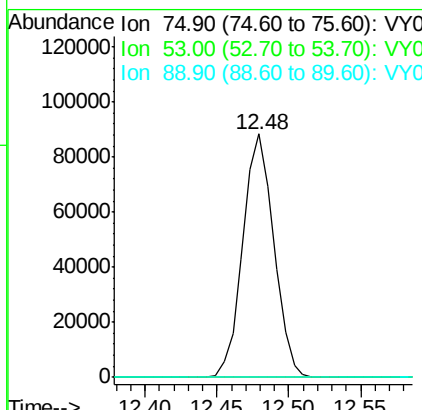
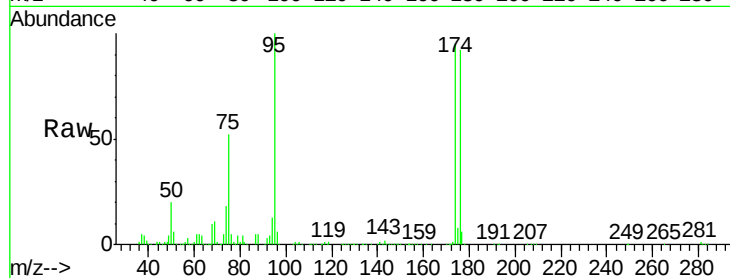




#81
trans-1,4-Dichloro-2-butene
Concen: 97.191 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003390.D
Acq: 31 Jul 2020 15:33

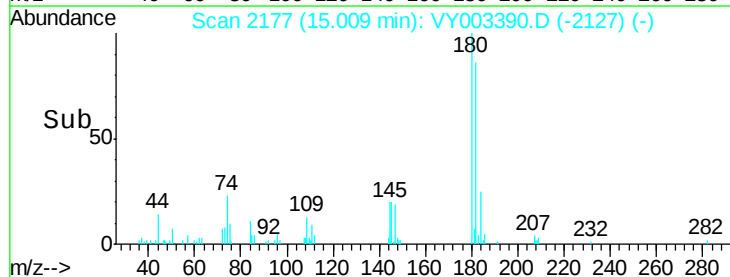
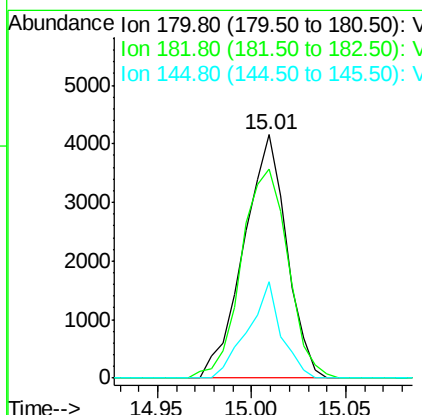
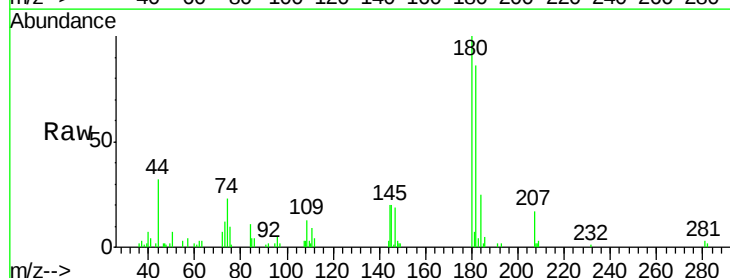
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-S2

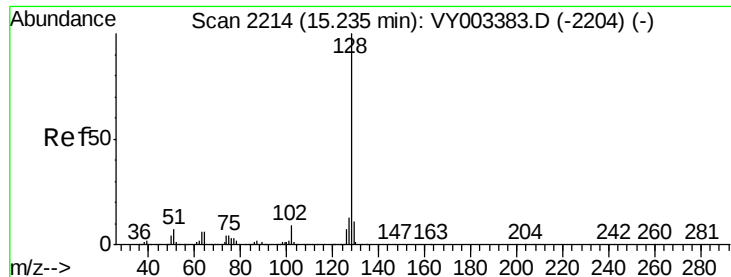
Tot Ion: 75 Resp: 131548
Ion Ratio Lower Upper
75 100
53 0.0 69.5 104.3#
89 0.0 33.8 50.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.176 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. 0.01 min
Lab File: VY003390.D
Acq: 31 Jul 2020 15:33

Tgt Ion:180 Resp: 6573
Ion Ratio Lower Upper
180 100
182 93.2 48.2 144.6
145 30.6 13.8 41.3

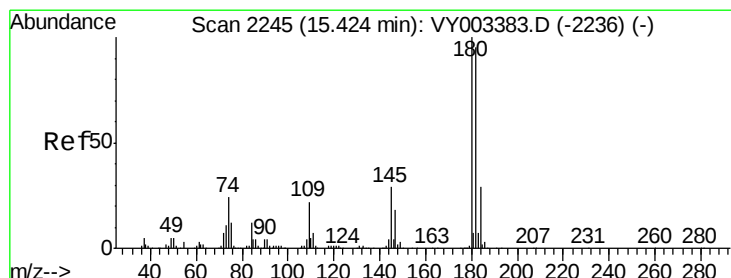
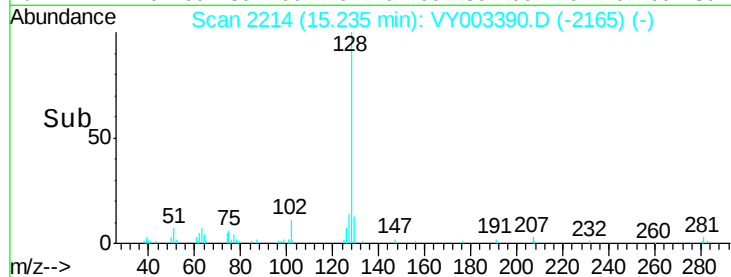
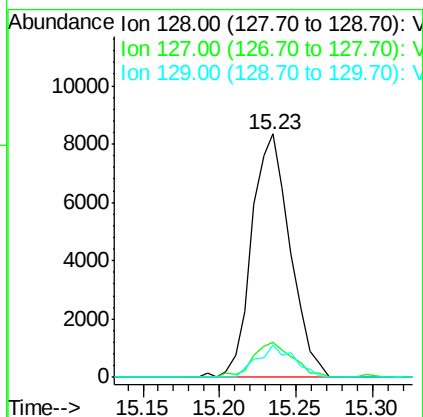
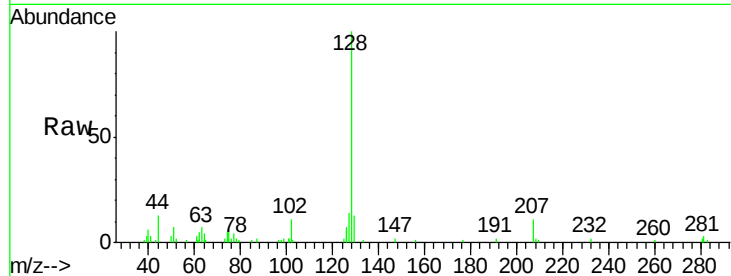




#95
Naphthalene
Concen: 1.535 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003390.D
Acq: 31 Jul 2020 15:33

Instrument :
MSVOA_Y
ClientSampled :
TP-1-S2

Tot Ion:128 Resp: 14541
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 12.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.677 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003390.D
Acq: 31 Jul 2020 15:33

Tgt Ion:180 Resp: 7585
Ion Ratio Lower Upper
180 100
182 91.4 47.4 142.2
145 29.5 14.5 43.5

