

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003399.D
 Acq On : 31 Jul 2020 19:09
 Operator : SY/MD
 Sample : L3518-27
 Misc : 4.44G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 01 01:30:19 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	390586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	615259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	585146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	296151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	205349	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	7.72	113	194438	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.18	98	755789	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.48	95	251910	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

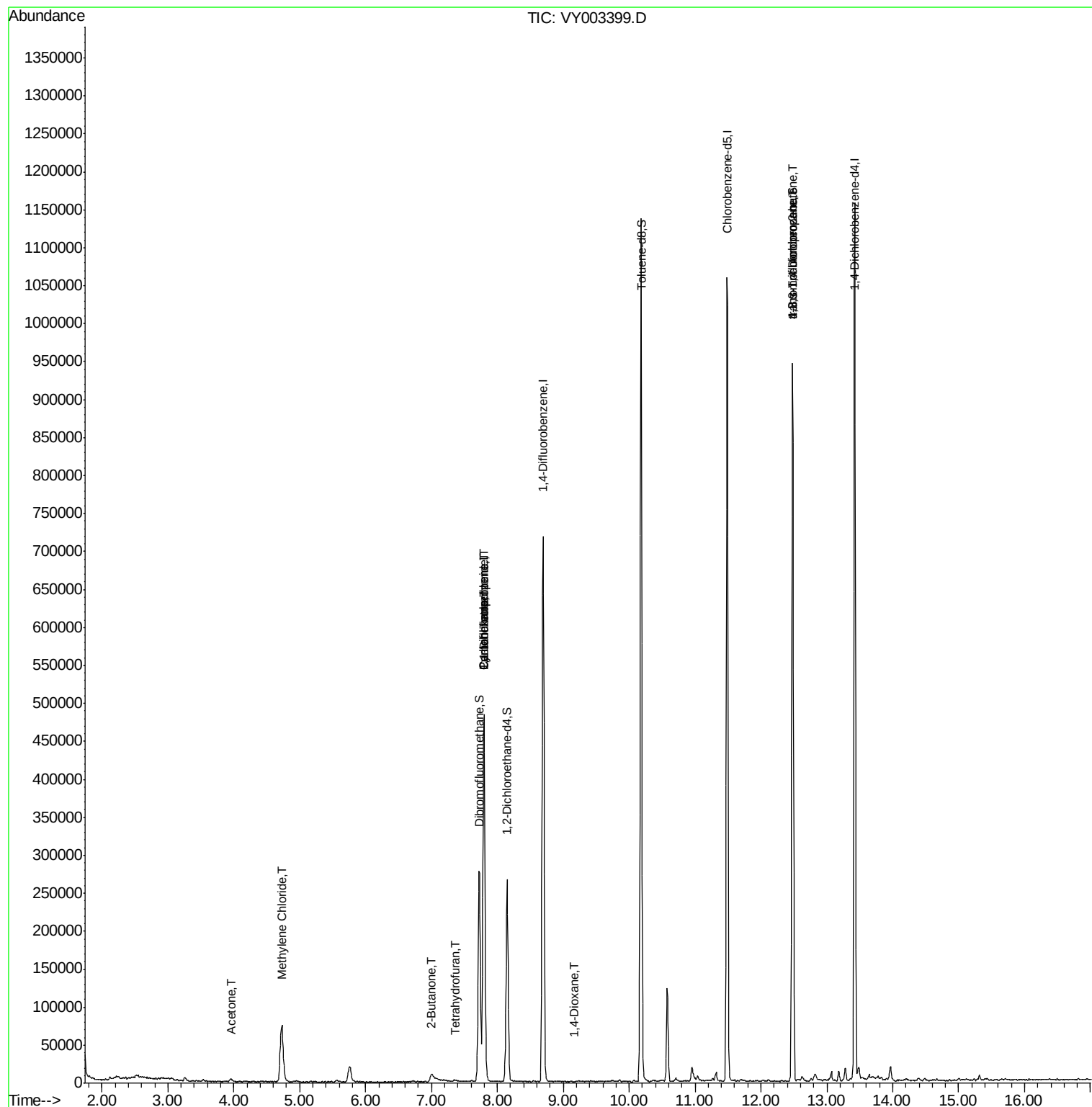
					Qvalue	
11) Tert butyl alcohol	4.94	59	727	Below Cal	#	89
16) Acetone	3.96	43	5878	6.406	ug/l	99
20) Methylene Chloride	4.72	84	59358	4.833	ug/l	98
25) 2-Butanone	7.00	43	1816	1.299	ug/l #	49
29) Tetrahydrofuran	7.36	42	1170	1.282	ug/l #	79
31) Cyclohexane	7.80	56	7272	1.105	ug/l #	10
36) 1,1-Dichloropropene	7.79	75	27333	4.695	ug/l #	49
38) Carbon Tetrachloride	7.80	117	35660	5.952	ug/l #	17
49) 1,4-Dioxane	9.17	88	75	2.441	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	130425	49.023	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	130425	92.715	ug/l #	15

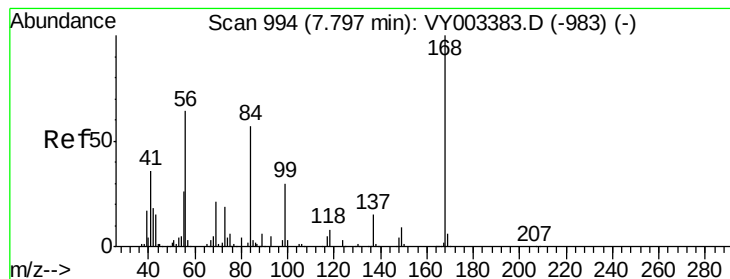
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003399.D

Acq: 31 Jul 2020 19:09

Instrument :

MSVOA_Y

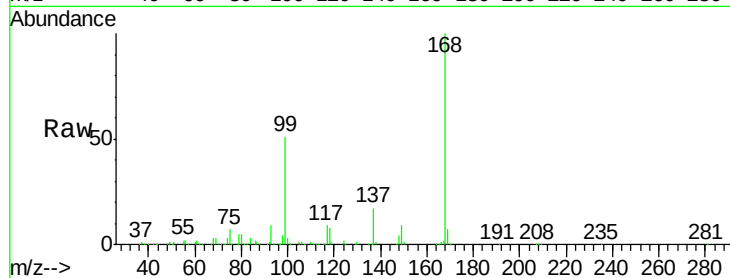
ClientSampleId :

Tot Ion:168 Resp: 390586

Ion Ratio Lower Upper

168 100

99 51.1 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003399.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003399.D (-945) (-)

7.80

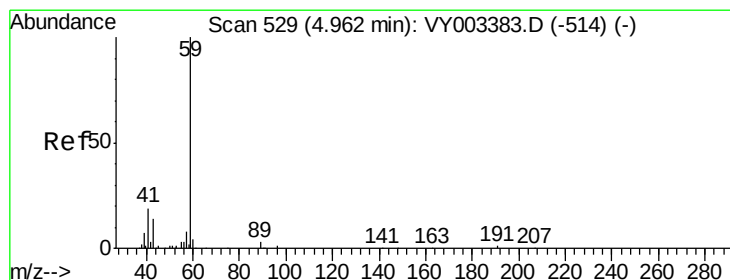
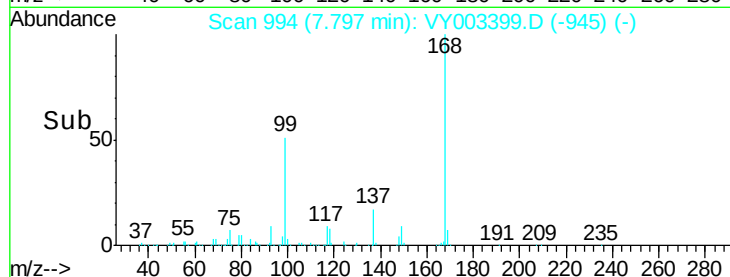
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 525

Delta R.T. -0.02 min

Lab File: VY003399.D

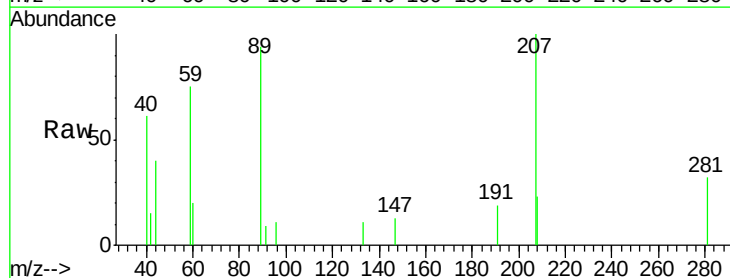
Acq: 31 Jul 2020 19:09

Tgt Ion: 59 Resp: 727

Ion Ratio Lower Upper

59 100

57 5.9 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003399.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003399.D (-480) (-)

4.94

500

400

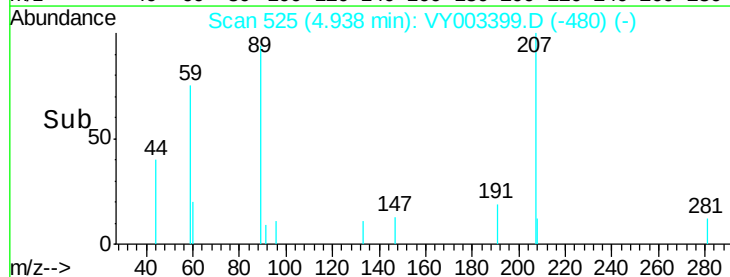
300

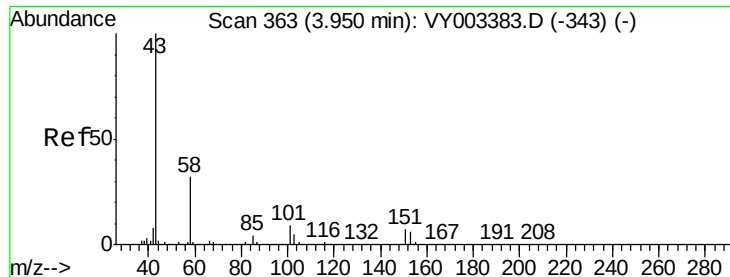
200

100

0

Time-->





#16

Acetone

Concen: 6.406 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003399.D

Acq: 31 Jul 2020 19:09

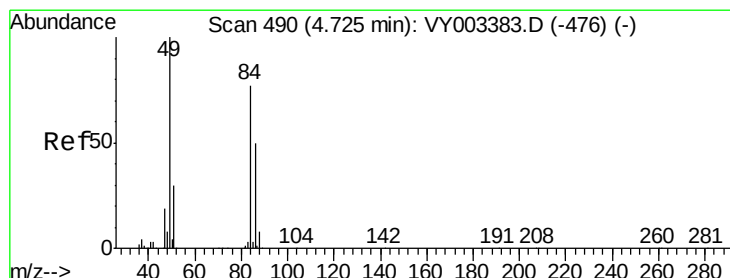
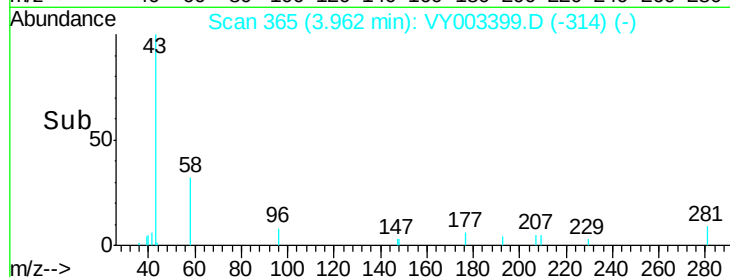
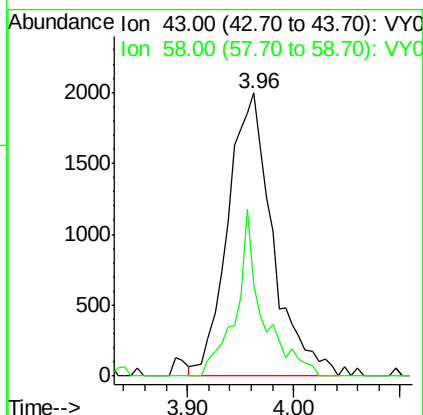
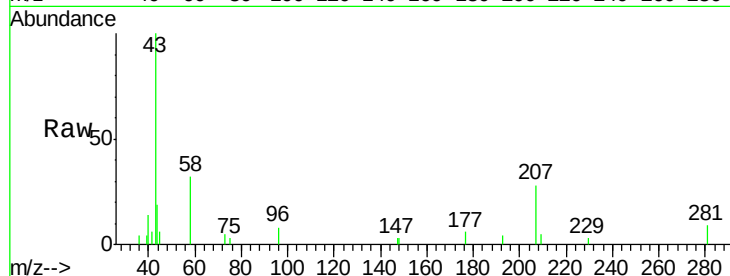
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 5878

Ion Ratio Lower Upper

43 100

58 32.1 25.4 38.2



#20

Methylene Chloride

Concen: 4.833 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003399.D

Acq: 31 Jul 2020 19:09

Tgt Ion: 84 Resp: 59358

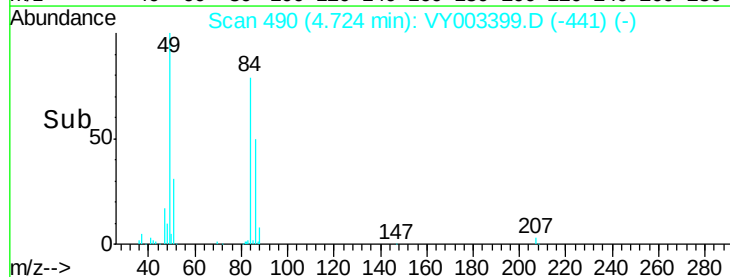
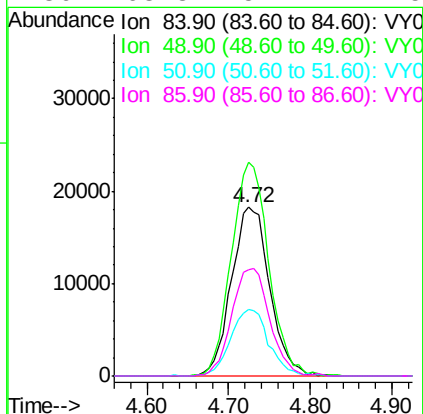
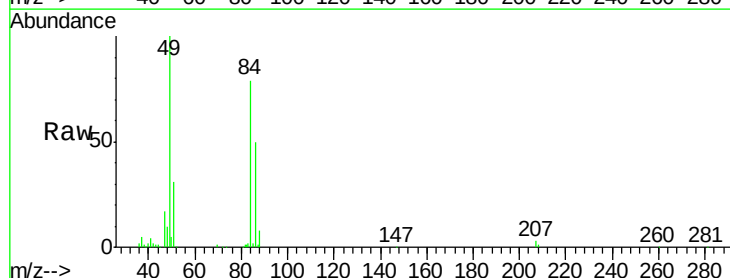
Ion Ratio Lower Upper

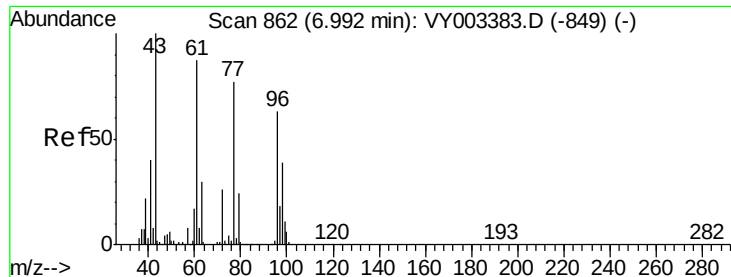
84 100

49 126.7 104.2 156.4

51 39.4 31.5 47.3

86 63.3 51.7 77.5

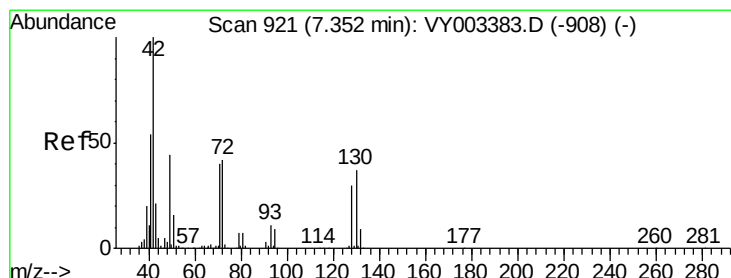
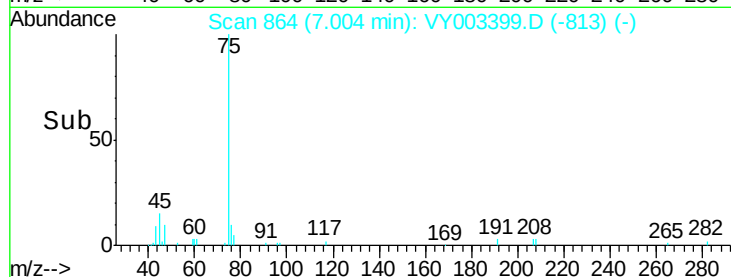
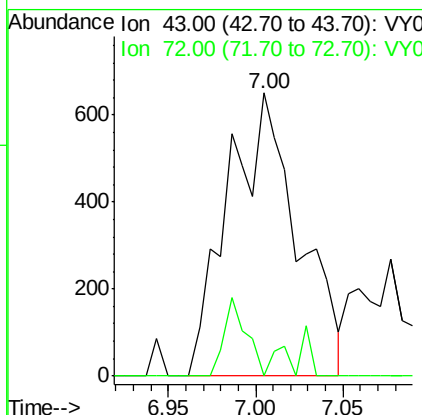
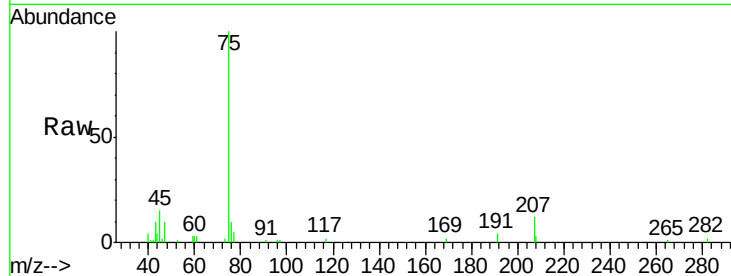




#25
2-Butanone
Concen: 1.299 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003399.D
Acq: 31 Jul 2020 19:09

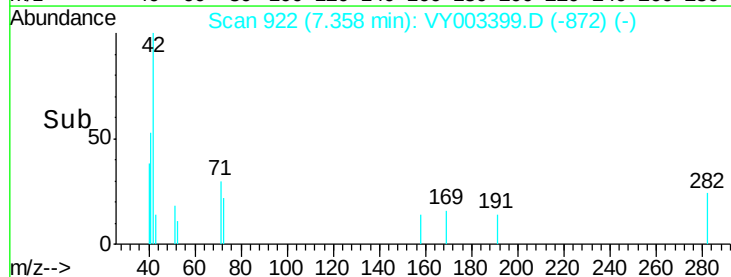
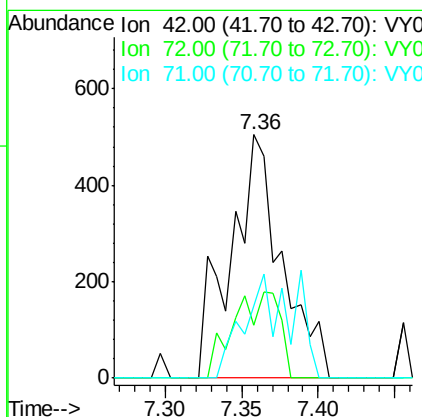
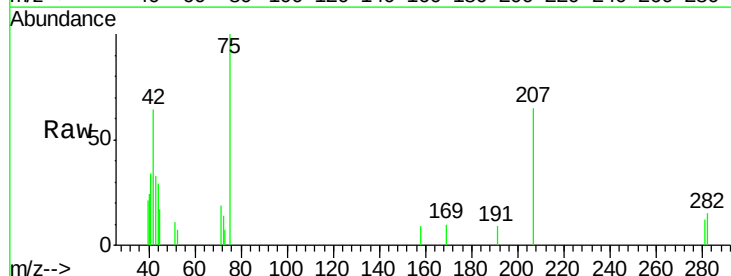
Instrument :
MSVOA_Y
ClientSampled :

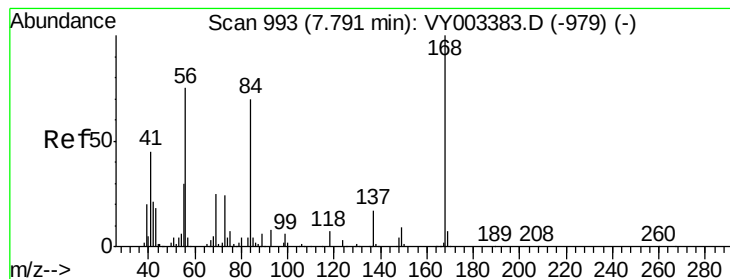
Tot Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 1.282 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY003399.D
Acq: 31 Jul 2020 19:09

Tgt Ion: 42 Resp: 1170
Ion Ratio Lower Upper
42 100
72 32.4 33.5 50.3#
71 22.7 32.1 48.1#





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003399.D

Acq: 31 Jul 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

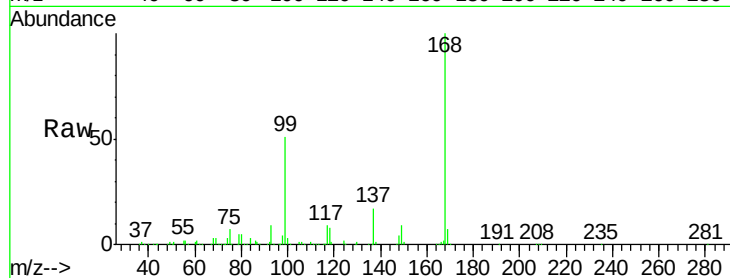
Tot Ion: 56 Resp: 7272

Ion Ratio Lower Upper

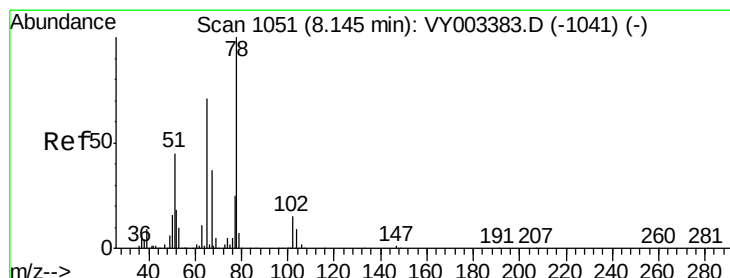
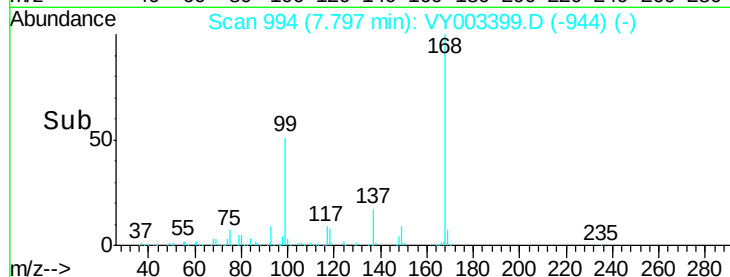
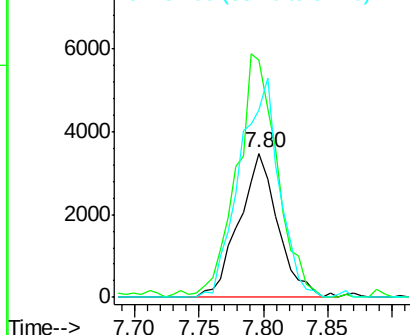
56 100

69 164.1 26.1 39.1#

84 129.7 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: 55.294 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003399.D

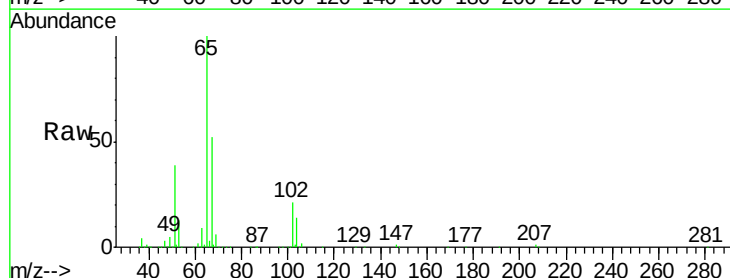
Acq: 31 Jul 2020 19:09

Tgt Ion: 65 Resp: 205349

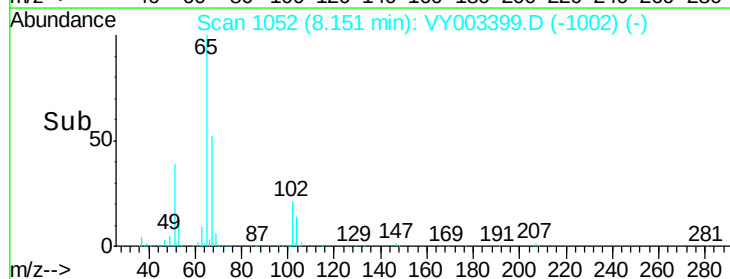
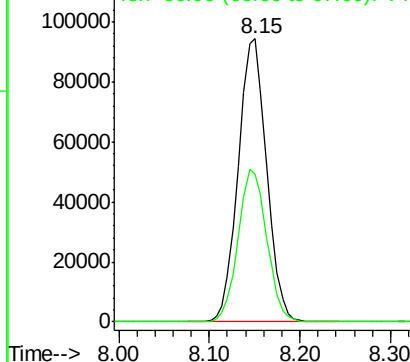
Ion Ratio Lower Upper

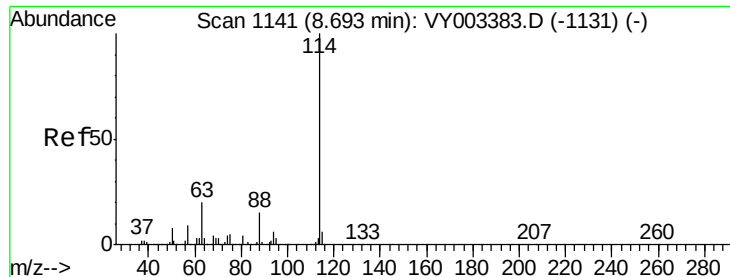
65 100

67 54.1 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: VY003399.D

Acq: 31 Jul 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

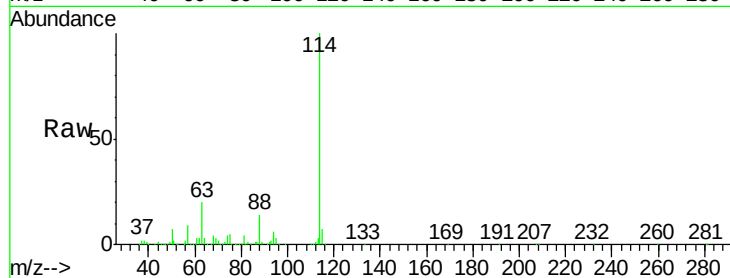
Tot Ion:114 Resp: 615259

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

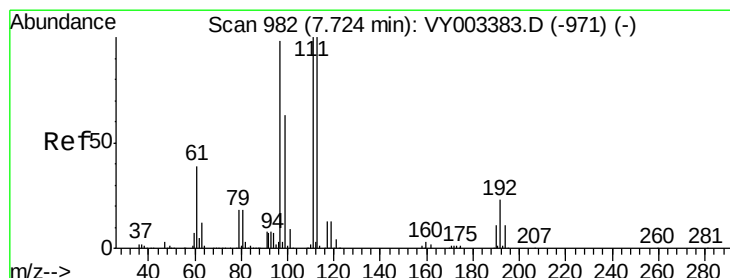
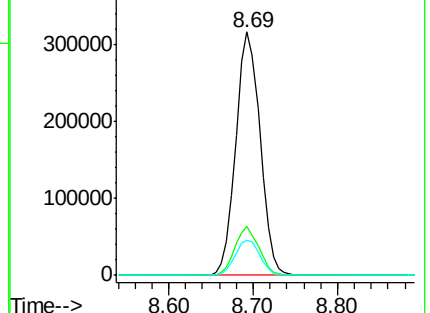
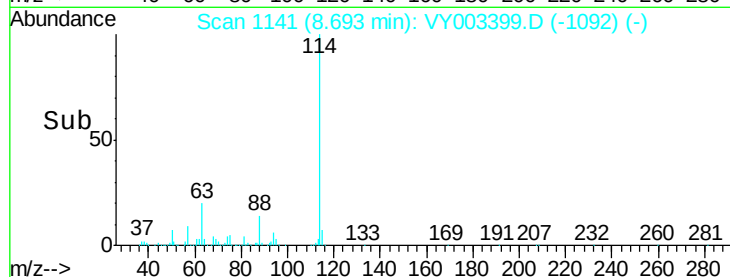
88 14.1 0.0 29.2



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: 53.649 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003399.D

Acq: 31 Jul 2020 19:09

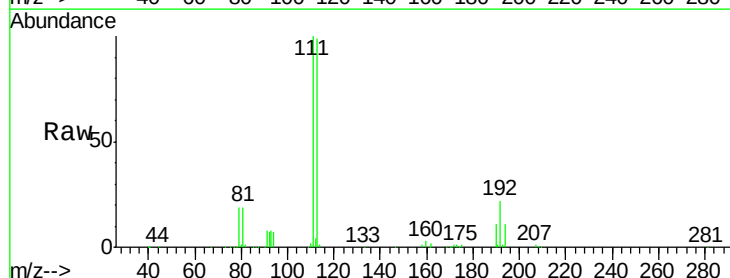
Tgt Ion:113 Resp: 194438

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.4

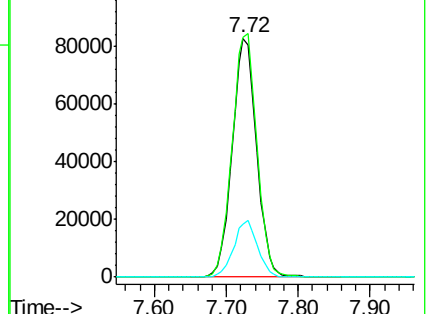
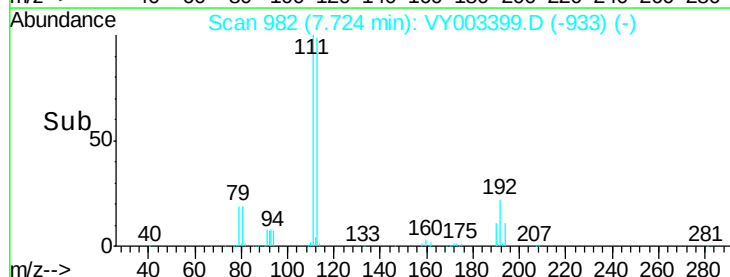
192 23.1 18.8 28.2

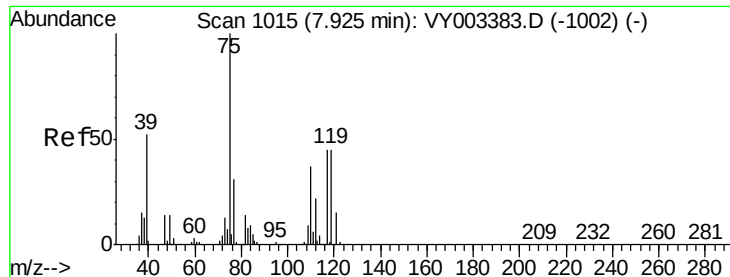


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

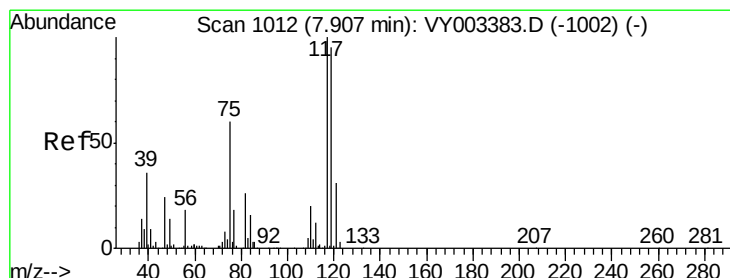
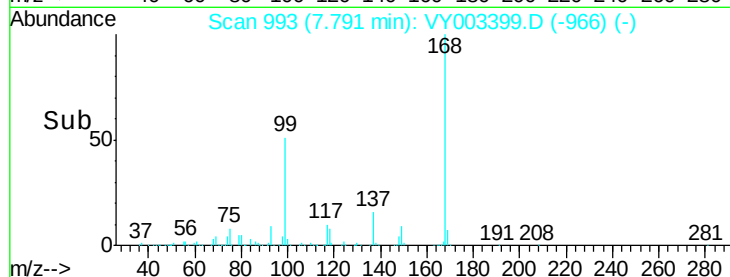
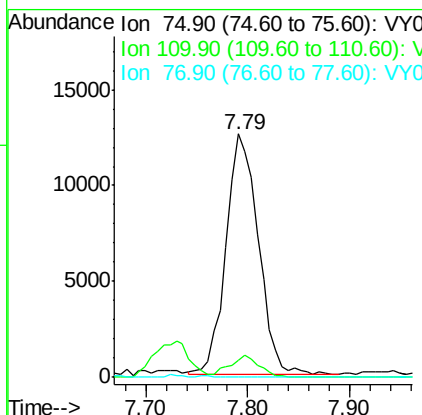
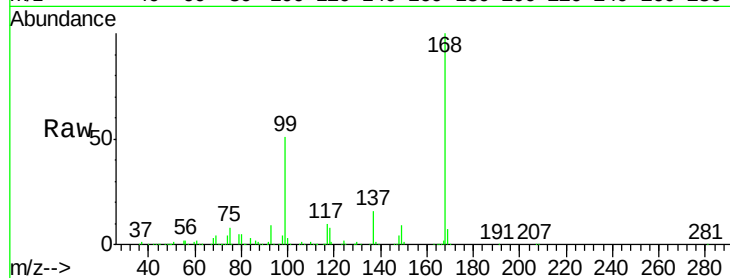




#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003399.D
 Acq: 31 Jul 2020 19:09

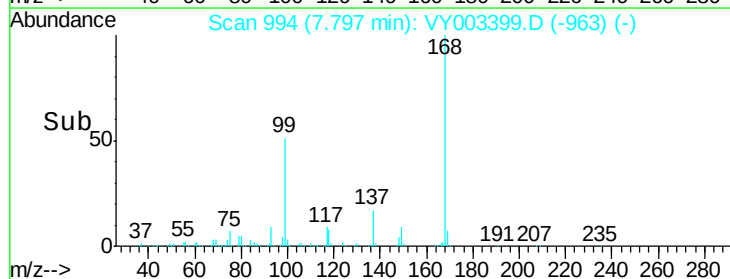
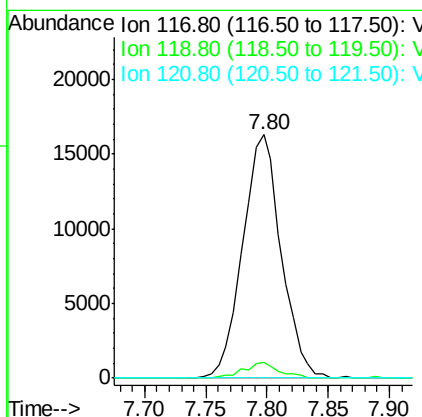
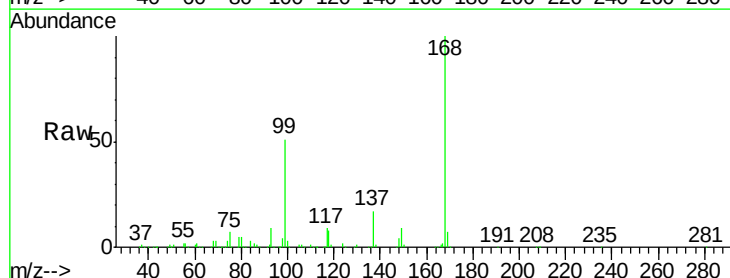
Instrument :
 MSVOA_Y
 ClientSampleId :

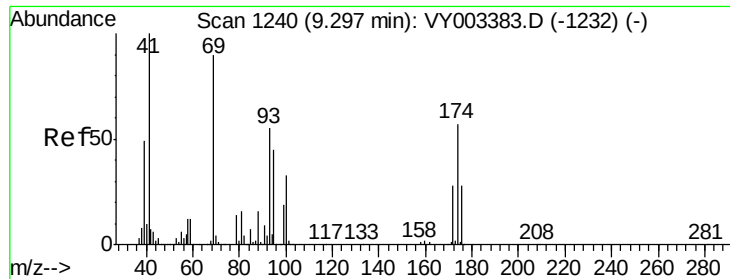
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.8	53.5#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.952 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003399.D
 Acq: 31 Jul 2020 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.1	114.1#
121	0.0	24.5	36.7#

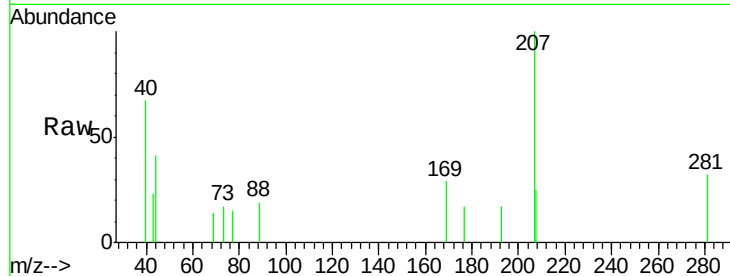




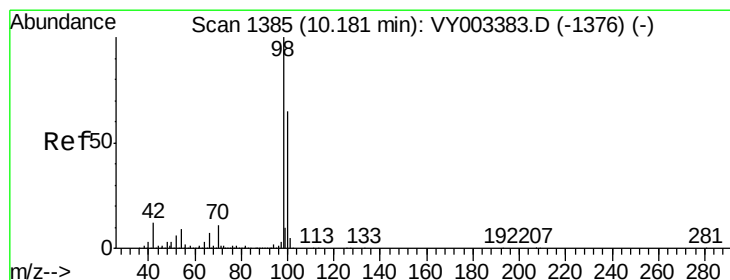
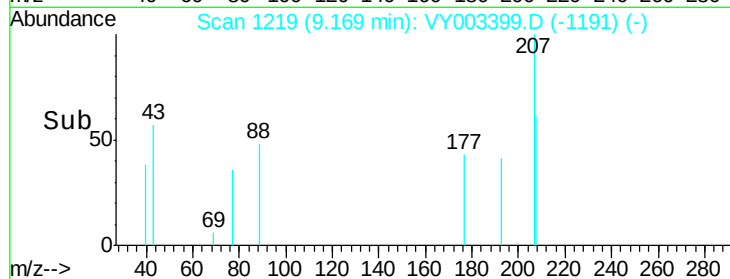
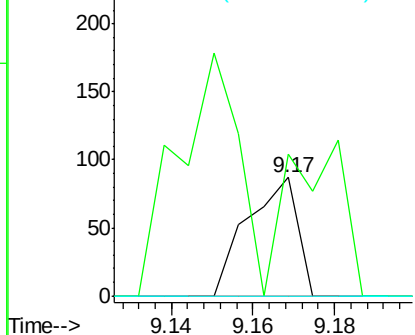
#49
1,4-Dioxane
Concen: 2.441 ug/l
RT: 9.17 min Scan# 1219
Delta R.T. -0.13 min
Lab File: VY003399.D
Acq: 31 Jul 2020 19:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 144.0 24.9 37.3#
58 0.0 54.3 81.5#

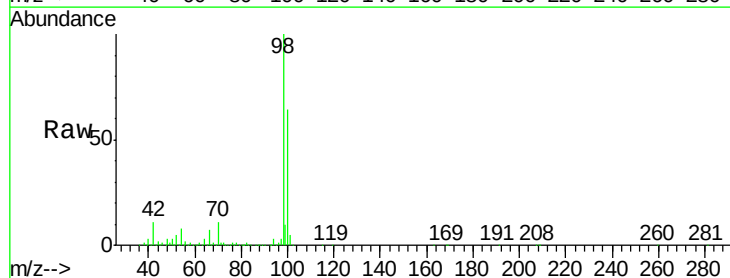


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

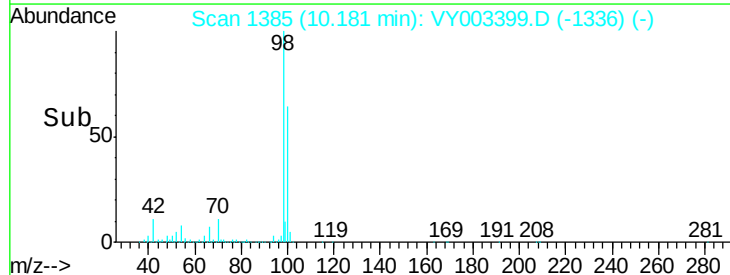
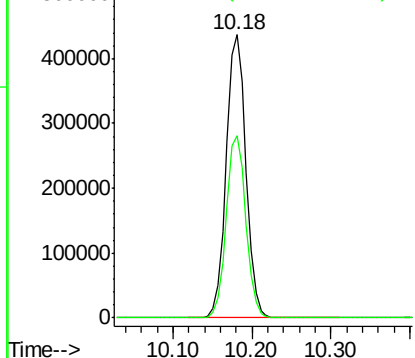


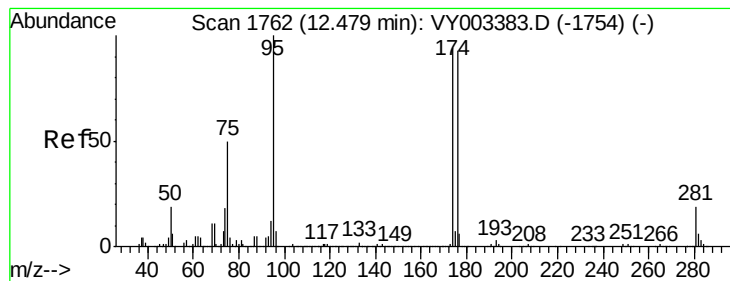
#50
Toluene-d8
Concen: 53.255 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003399.D
Acq: 31 Jul 2020 19:09

Tgt Ion: 98 Resp: 755789
Ion Ratio Lower Upper
98 100
100 64.1 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: 51.950 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003399.D

Acq: 31 Jul 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

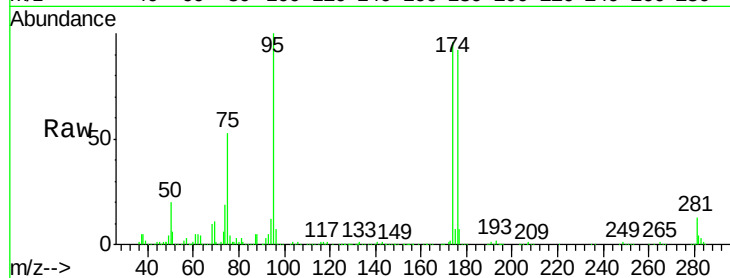
Tot Ion: 95 Resp: 251910

Ion Ratio Lower Upper

95 100

174 94.8 0.0 190.0

176 92.1 0.0 184.4

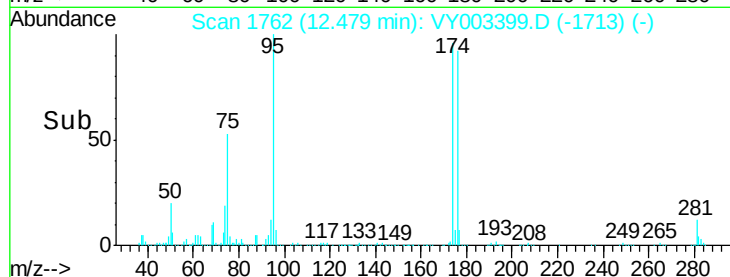


Abundance Ion 94.90 (94.60 to 95.60): VY003383.D (-1754) (-)

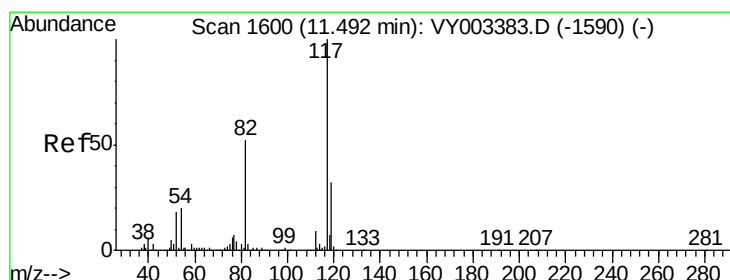
Ion 173.80 (173.50 to 174.50): VY003383.D (-1754) (-)

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

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003399.D

Acq: 31 Jul 2020 19:09

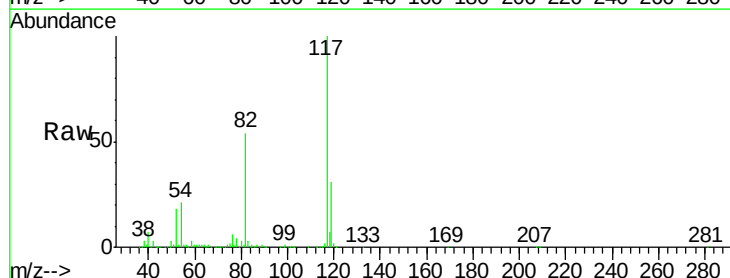
Tgt Ion: 117 Resp: 585146

Ion Ratio Lower Upper

117 100

82 54.3 41.9 62.9

119 30.9 25.4 38.0

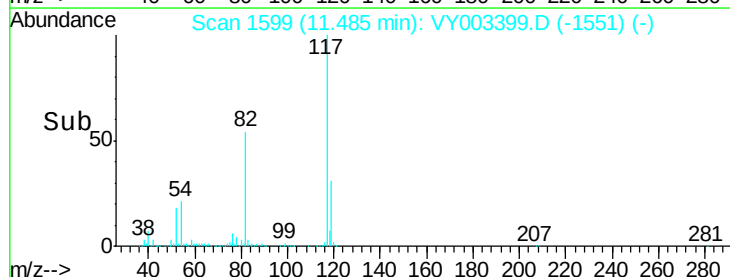


Abundance Ion 116.90 (116.60 to 117.60): VY003383.D (-1590) (-)

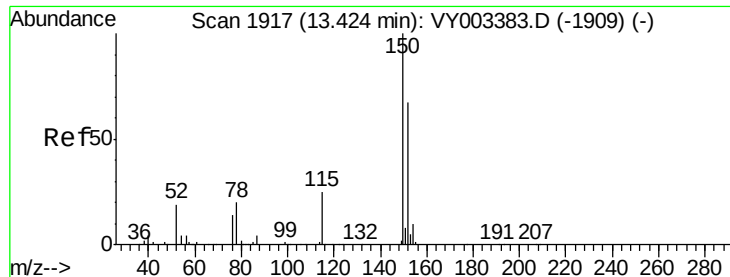
Ion 82.00 (81.70 to 82.70): VY003383.D (-1590) (-)

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

Time-->



Time-->

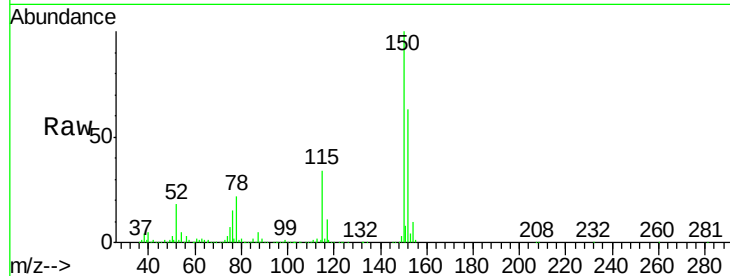


#72

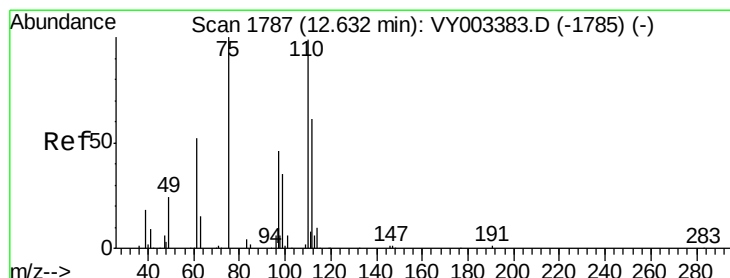
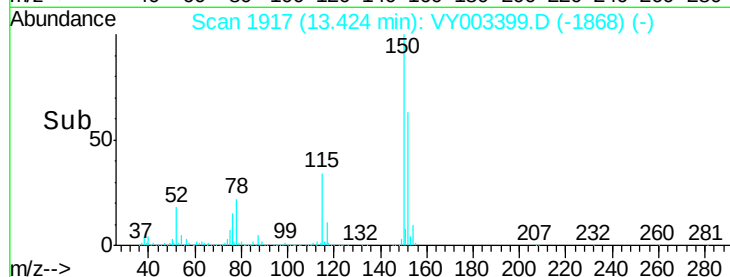
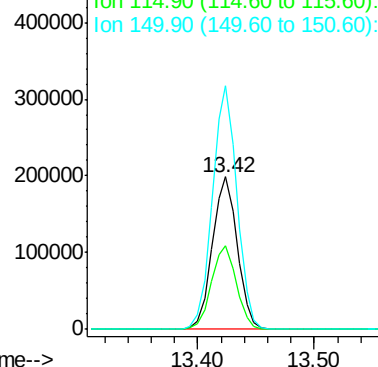
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003399.D
Acq: 31 Jul 2020 19:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.2	81.5
150	157.7	0.0	346.8



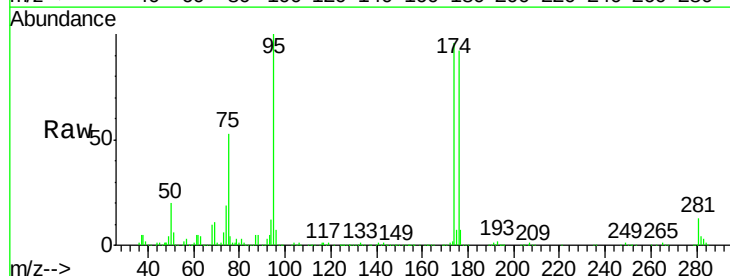
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



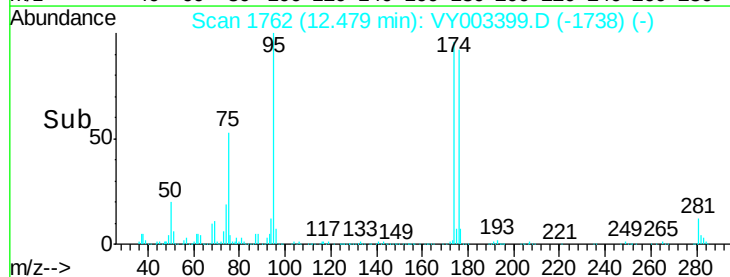
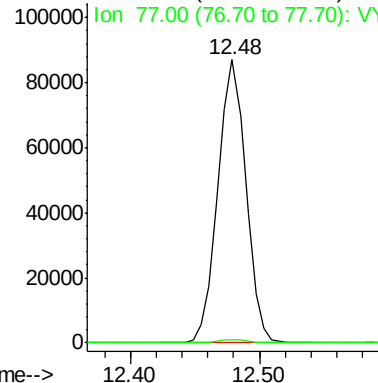
#76

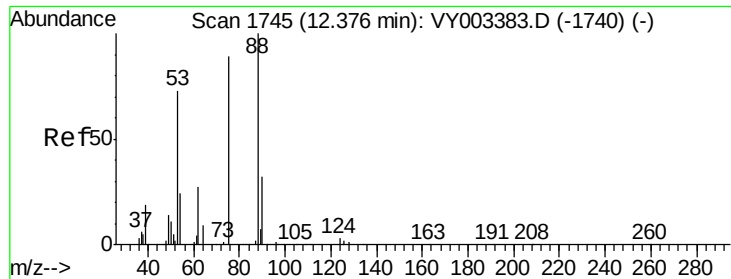
1,2,3-Trichloropropane
Concen: 49.023 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003399.D
Acq: 31 Jul 2020 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 92.715 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003399.D

Acq: 31 Jul 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

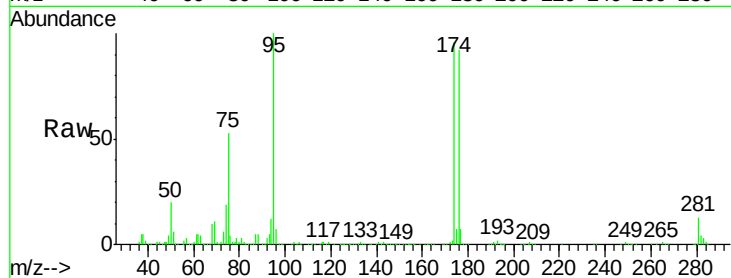
Tot Ion: 75 Resp: 130425

Ion Ratio Lower Upper

75 100

53 0.3 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

