

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003568.D
 Acq On : 20 Nov 2020 15:26
 Operator : SY/MD
 Sample : L4839-02
 Misc : 4.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:52:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	111211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	235969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	216592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	93460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	80543	69.75	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.50%
35) Dibromofluoromethane	7.72	113	80816	52.10	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.20%
50) Toluene-d8	10.18	98	291762	48.37	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.74%
62) 4-Bromofluorobenzene	12.48	95	86642	45.26	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.52%

Target Compounds

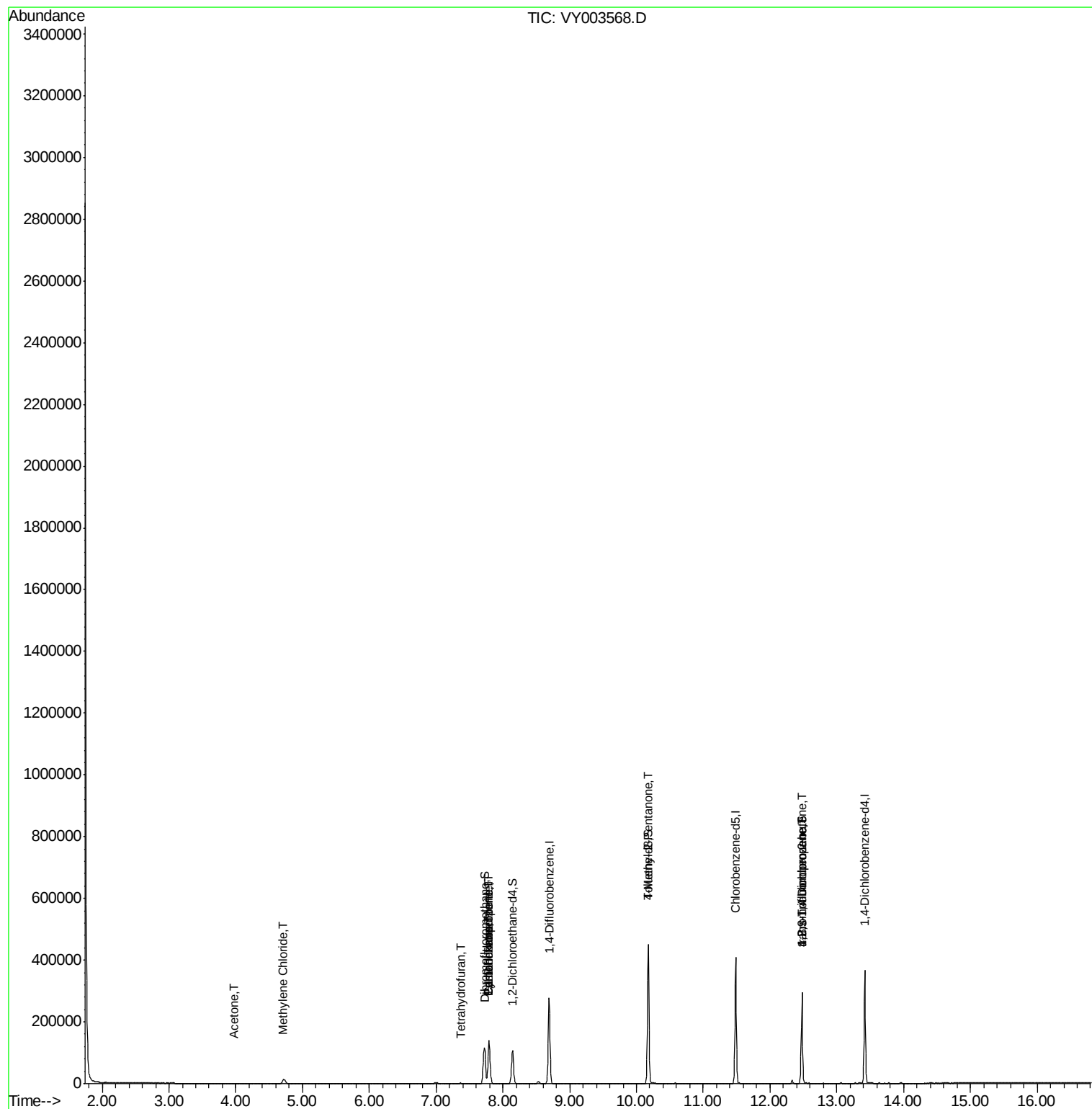
						Qvalue
16) Acetone	3.97	43	1257	3.260	ug/l #	74
20) Methylene Chloride	4.72	84	10684	3.162	ug/l	99
29) Tetrahydrofuran	7.36	42	924	3.525	ug/l	99
31) Cyclohexane	7.80	56	2169	1.299	ug/l #	3
36) 1,1-Dichloropropene	7.79	75	8161	3.513	ug/l #	49
38) Carbon Tetrachloride	7.79	117	10016	4.654	ug/l #	16
51) 4-Methyl-2-Pentanone	10.17	43	1439	1.168	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	44743	49.381	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	44743	78.501	ug/l #	14

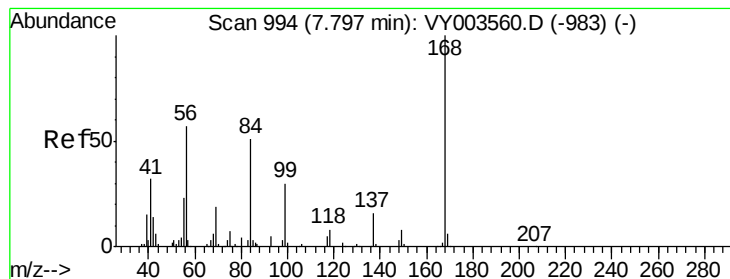
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:00:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

Instrument :

MSVOA_Y

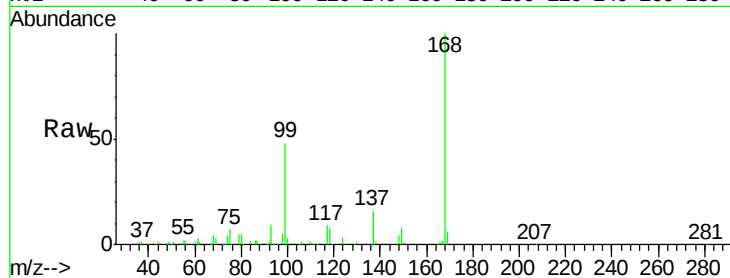
ClientSampleId :

Tot Ion:168 Resp: 111211

Ion Ratio Lower Upper

168 100

99 48.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VY003568.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003568.D (-945) (-)

7.79

60000

50000

40000

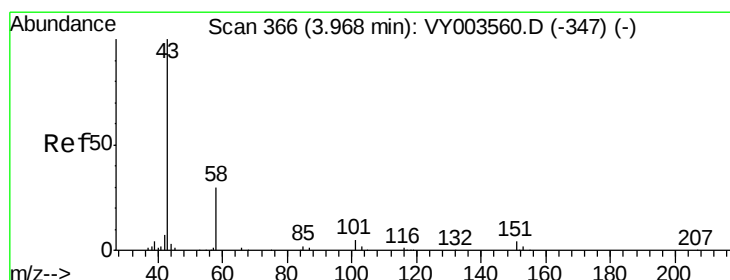
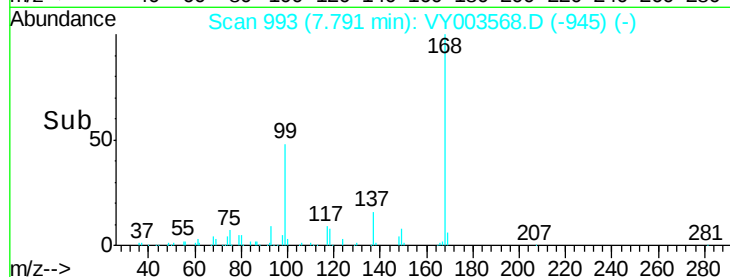
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 3.260 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY003568.D

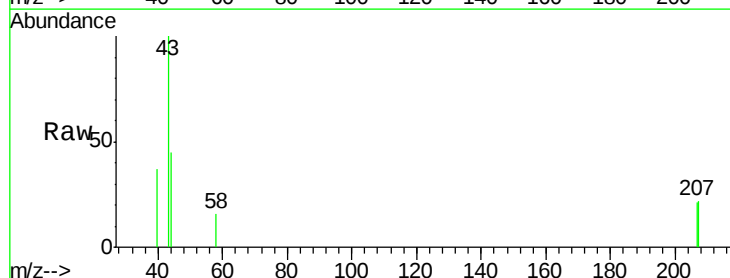
Acq: 20 Nov 2020 15:26

Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

43 100

58 16.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003568.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VY003568.D (-317) (-)

3.97

400

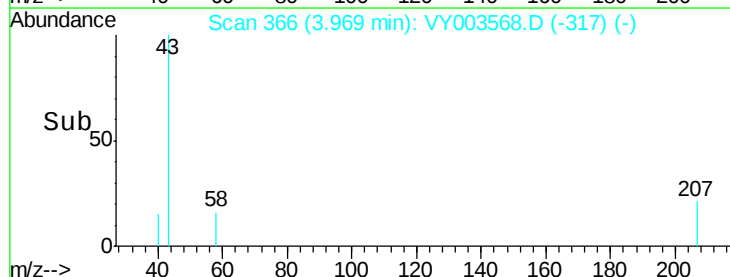
300

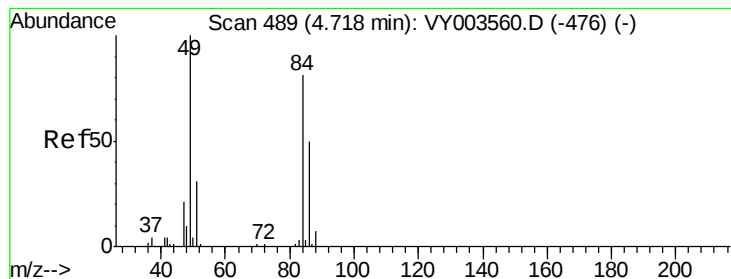
200

100

0

Time-->





#20

Methylene Chloride

Concen: 3.162 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 10684

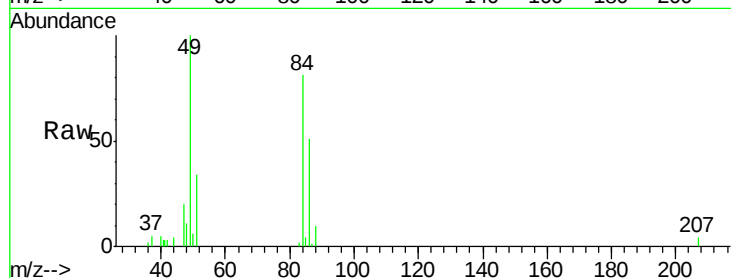
Ion Ratio Lower Upper

84 100

49 123.8 99.0 148.6

51 42.0 30.5 45.7

86 62.6 49.9 74.9

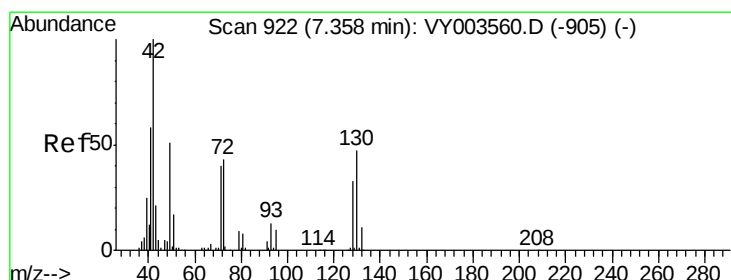
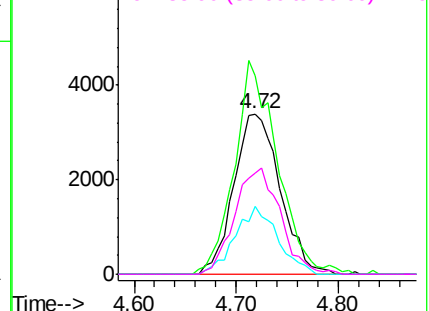
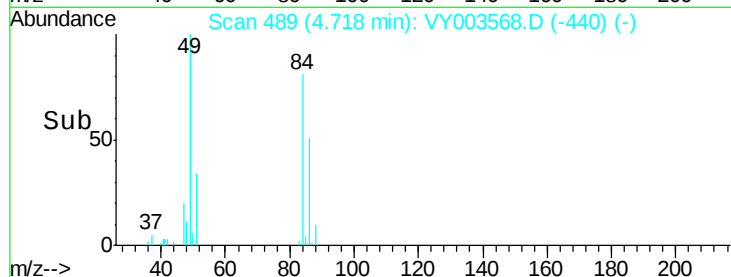


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#29

Tetrahydrofuran

Concen: 3.525 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

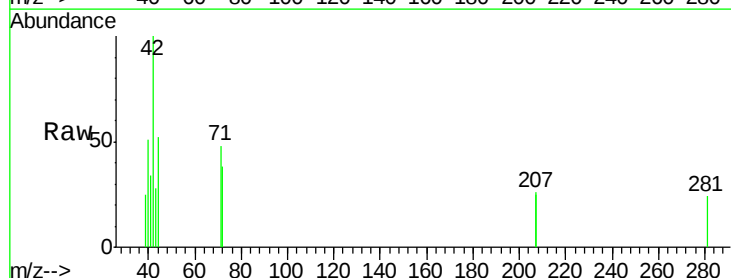
Tgt Ion: 42 Resp: 924

Ion Ratio Lower Upper

42 100

72 41.8 32.6 49.0

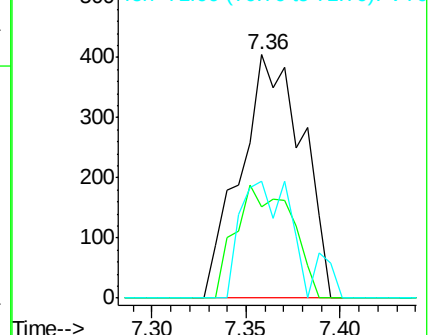
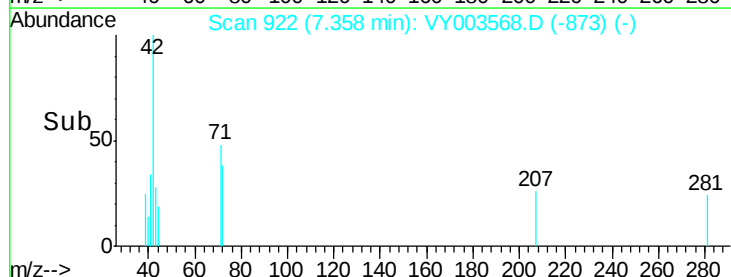
71 37.6 30.2 45.2

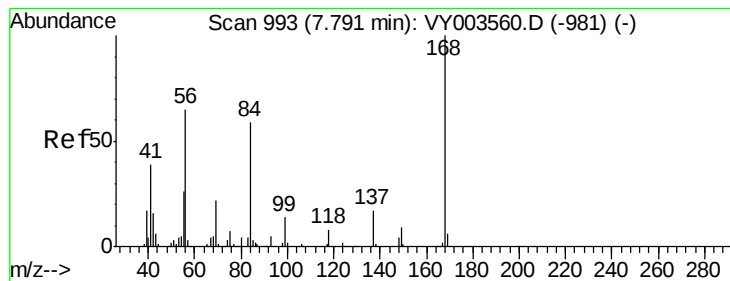


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cvclohexane

Concen: 1.299 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

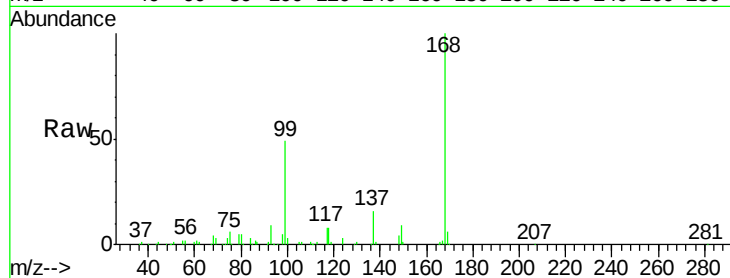
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 56 Resp: 2169

Ion	Ratio	Lower	Upper
56	100		
69	144.7	27.0	40.6#
84	146.8	71.8	107.6#

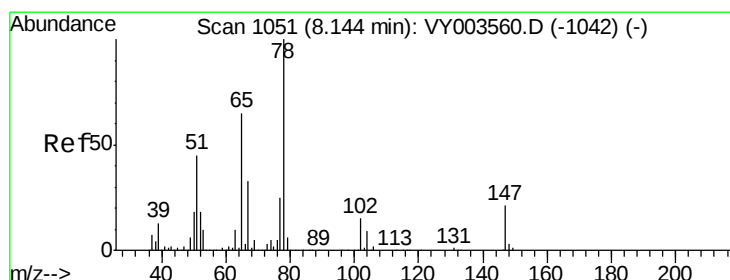
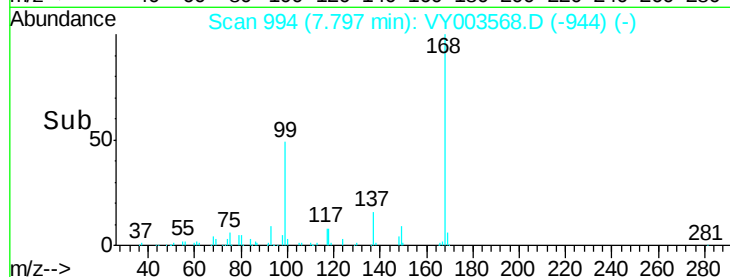
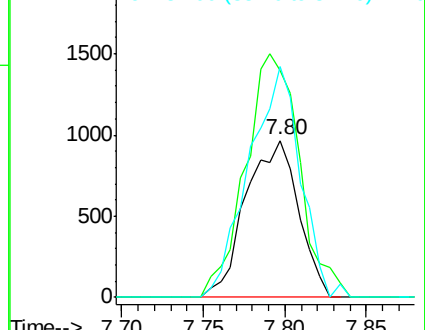


Abundance

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: 69.750 ug/l

RT: 8.14 min Scan# 1051

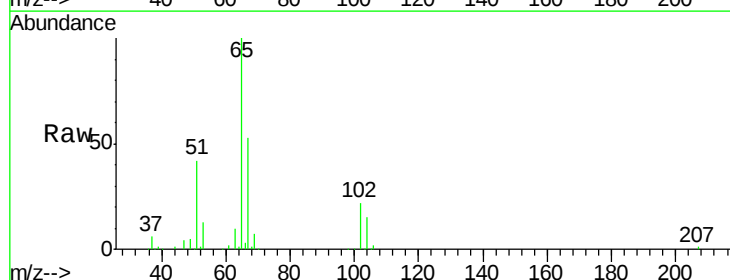
Delta R.T. 0.00 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

Tgt Ion: 65 Resp: 80543

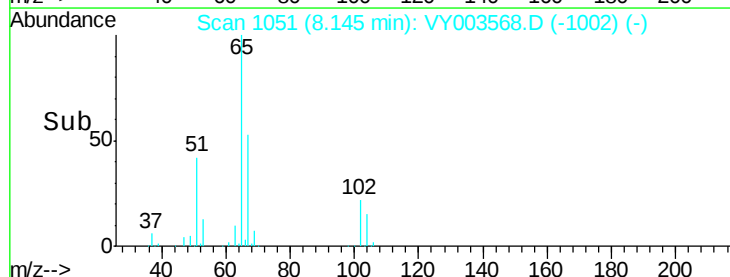
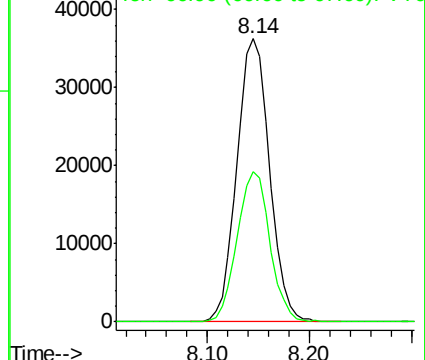
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	110.2

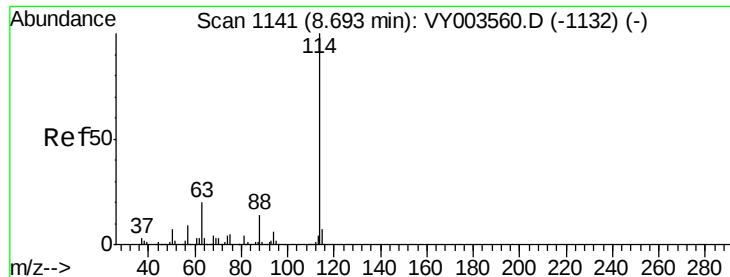


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

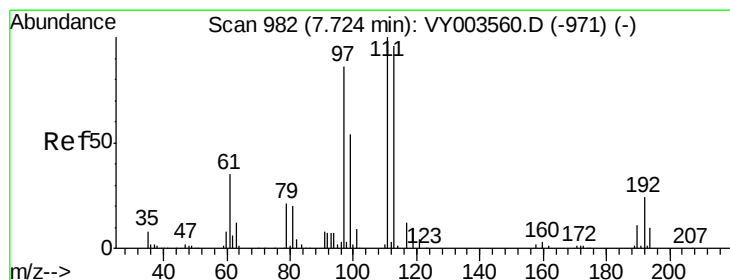
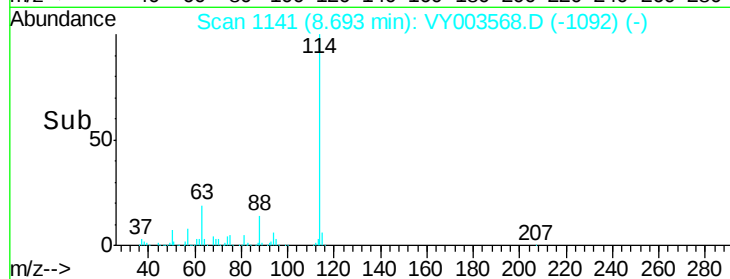
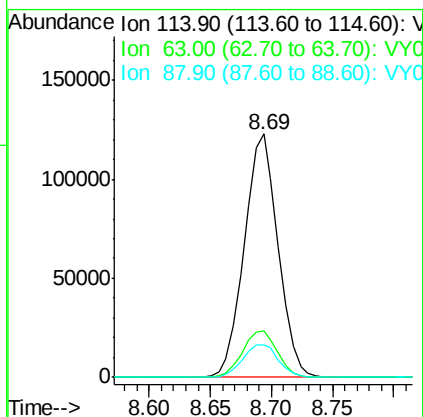
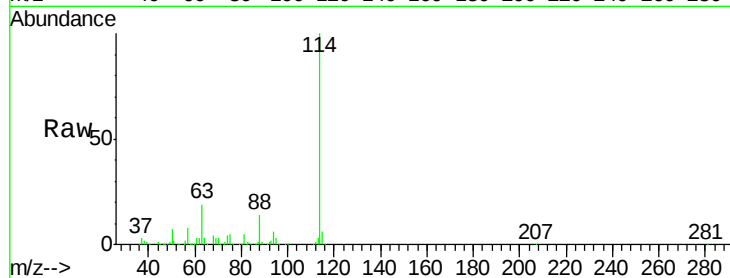




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003568.D
 Acq: 20 Nov 2020 15:26

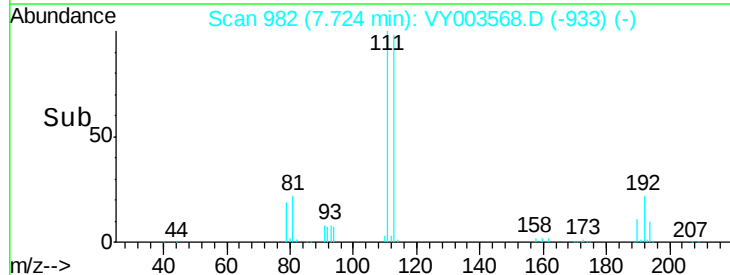
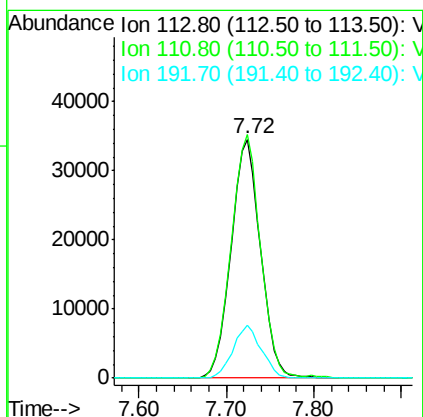
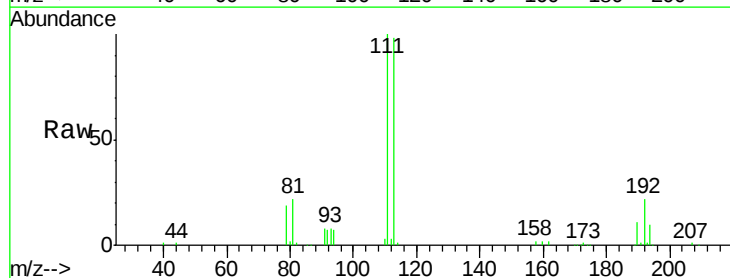
Instrument :
 MSVOA_Y
 ClientSampleId :

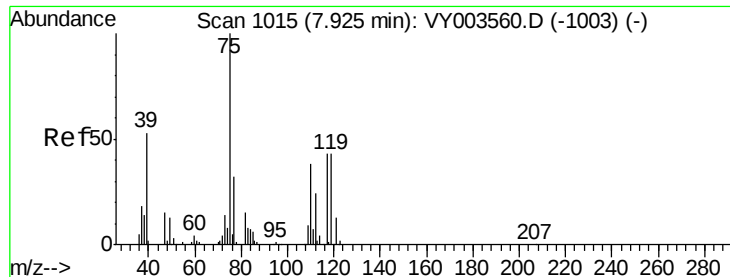
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.8
88	13.6	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 52.102 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003568.D
 Acq: 20 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	21.4	18.1	27.1

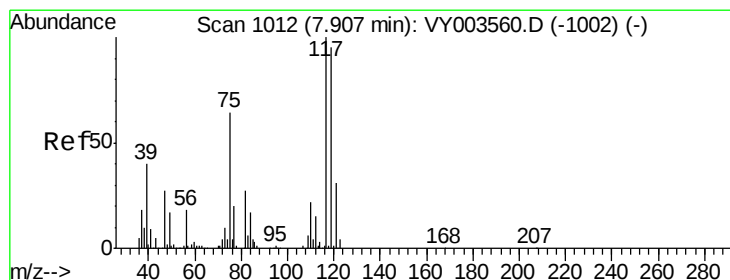
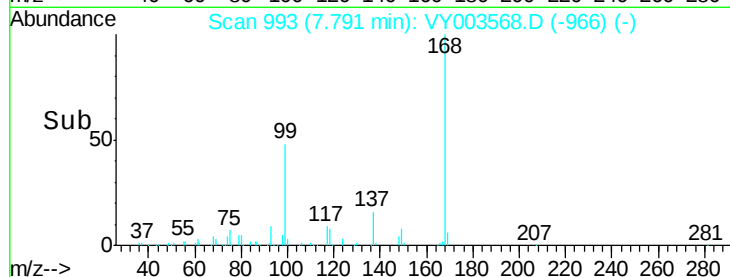
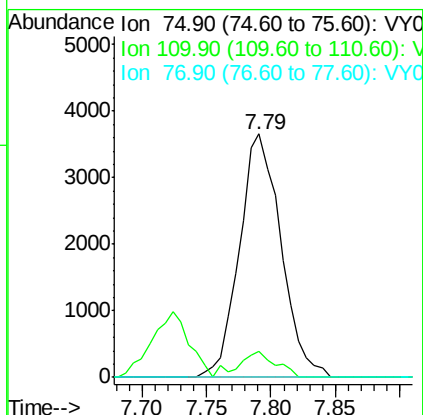
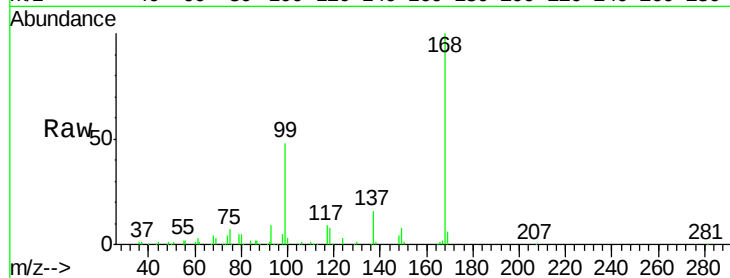




#36
 1,1-Dichloropropene
 Concen: 3.513 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003568.D
 Acq: 20 Nov 2020 15:26

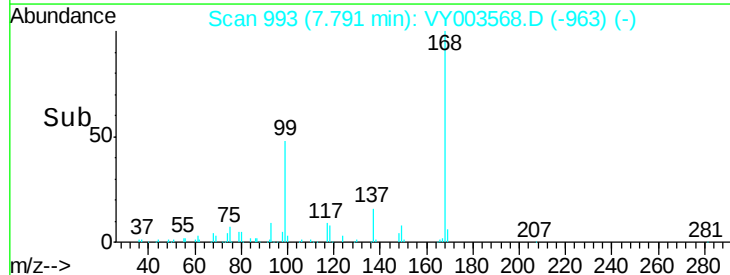
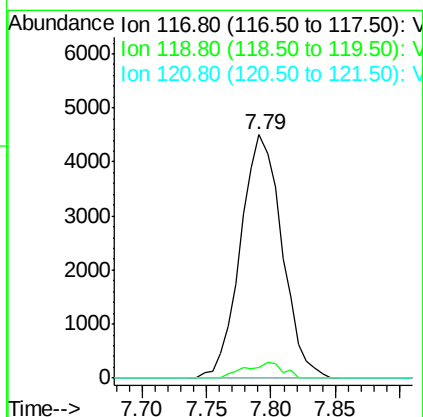
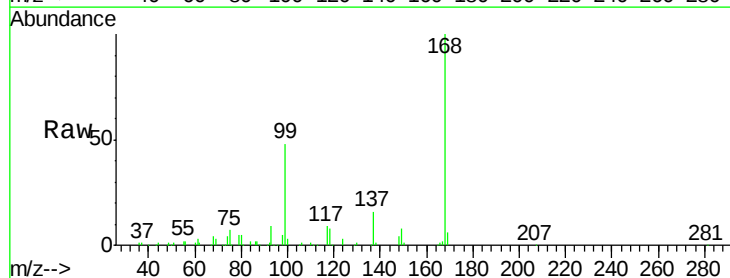
Instrument :
 MSVOA_Y
 ClientSampleId :

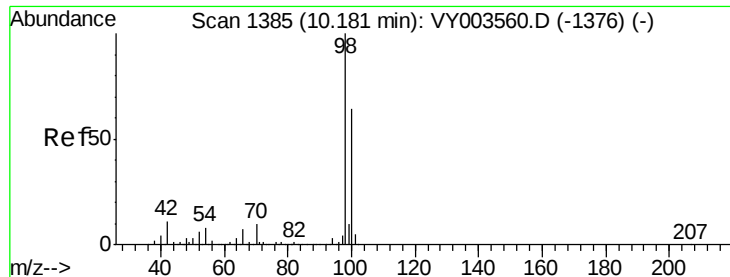
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.7	56.1#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 4.654 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003568.D
 Acq: 20 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.3	114.5#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 48.373 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

Instrument :

MSVOA_Y

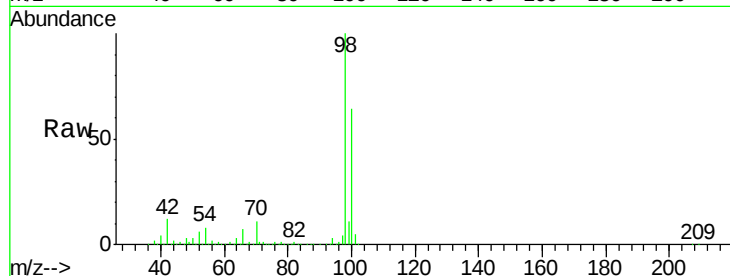
ClientSampleId :

Tot Ion: 98 Resp: 291762

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VY003568.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY003568.D (-1376) (-)

10.18

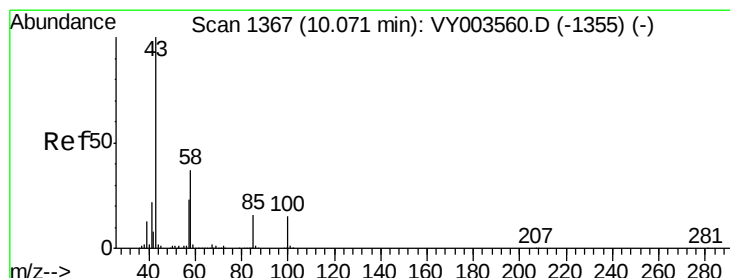
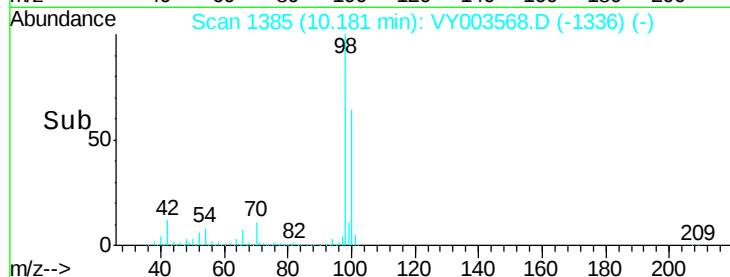
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.168 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003568.D

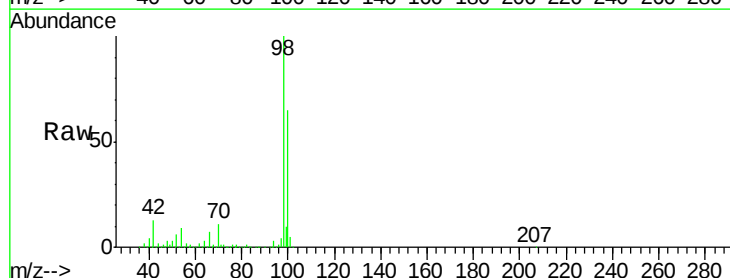
Acq: 20 Nov 2020 15:26

Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

43 100

58 170.2 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003568.D (-1318) (-)

Ion 58.00 (57.70 to 58.70): VY003568.D (-1318) (-)

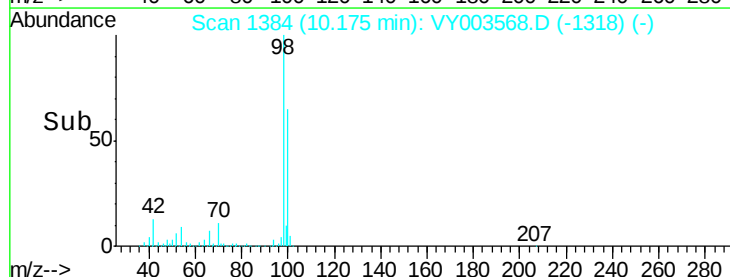
1500

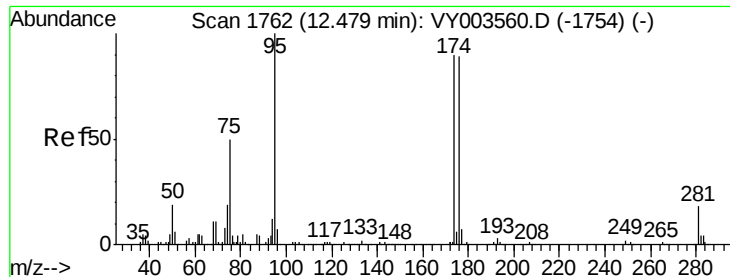
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.264 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

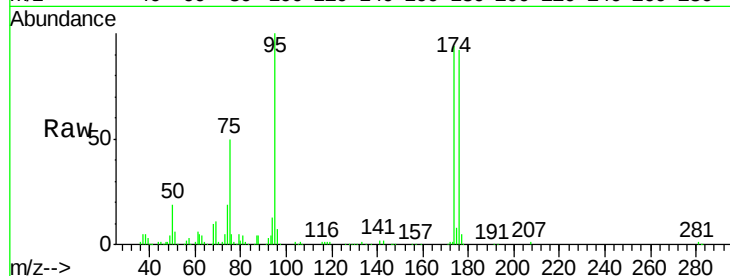
Tot Ion: 95 Resp: 86642

Ion Ratio Lower Upper

95 100

174 93.6 0.0 184.0

176 90.4 0.0 180.4



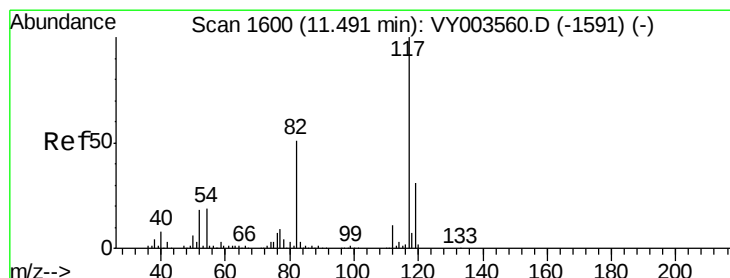
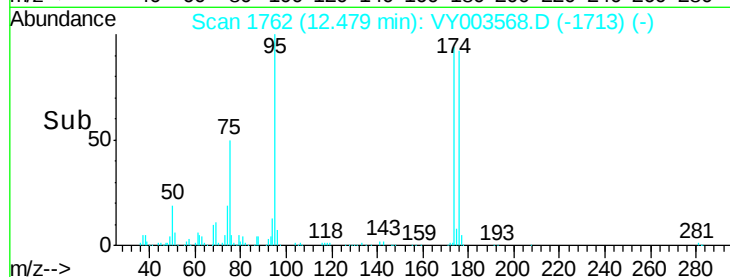
Abundance Ion 94.90 (94.60 to 95.60): VY003560.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003560.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003560.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: VY003568.D

Acq: 20 Nov 2020 15:26

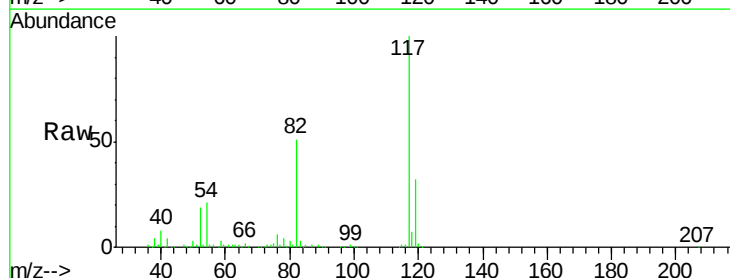
Tgt Ion: 117 Resp: 216592

Ion Ratio Lower Upper

117 100

82 51.1 41.0 61.6

119 31.8 25.0 37.6



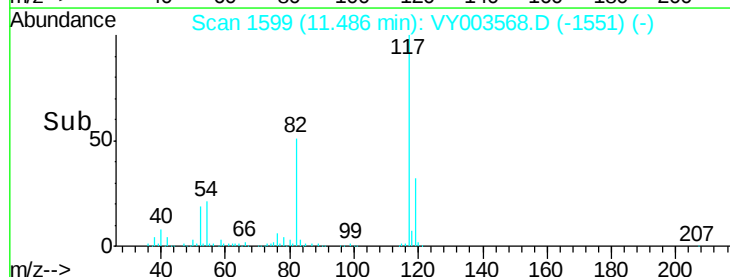
Abundance Ion 116.90 (116.60 to 117.60): VY003560.D (-1591) (-)

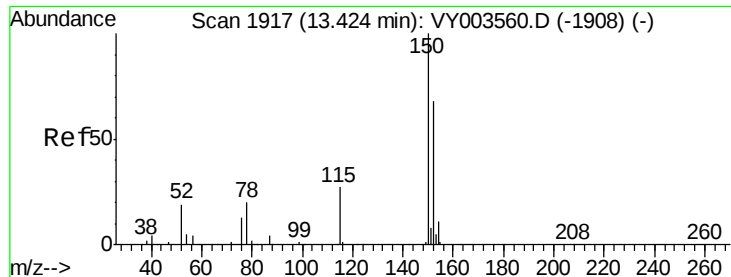
Ion 82.00 (81.70 to 82.70): VY003560.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003560.D (-1591) (-)

11.49

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

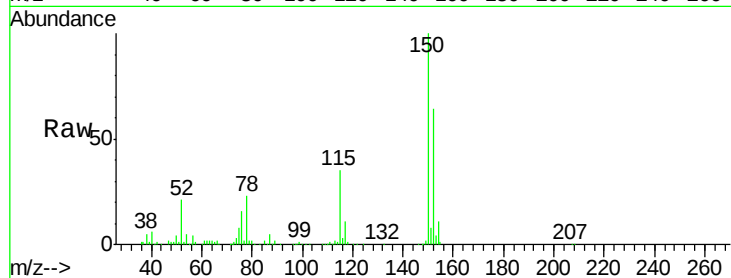
Tot Ion:152 Resp: 93460

Ion Ratio Lower Upper

152 100

115 53.4 27.4 82.0

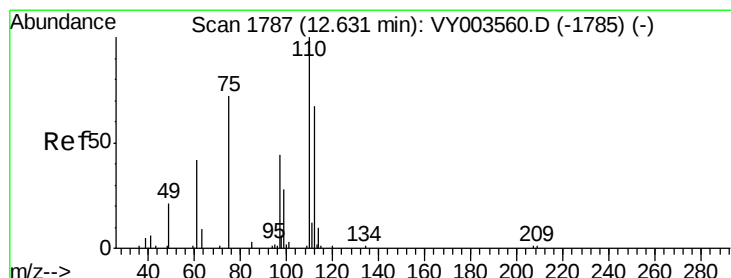
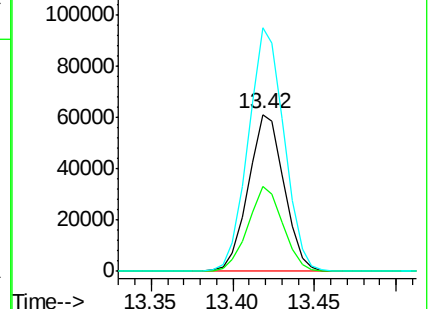
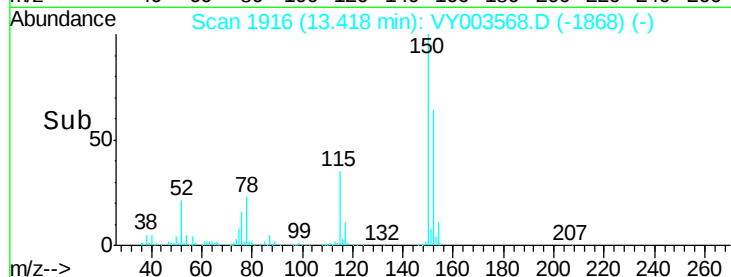
150 155.4 0.0 349.6



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: 49.381 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003568.D

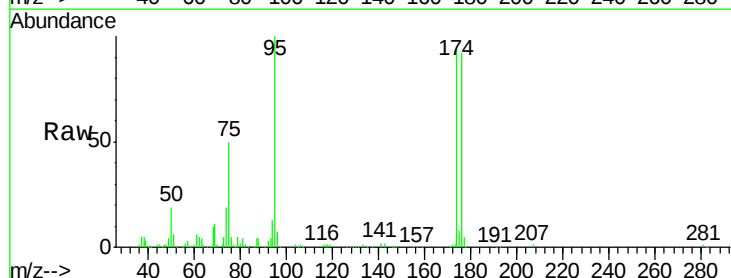
Acq: 20 Nov 2020 15:26

Tgt Ion: 75 Resp: 44743

Ion Ratio Lower Upper

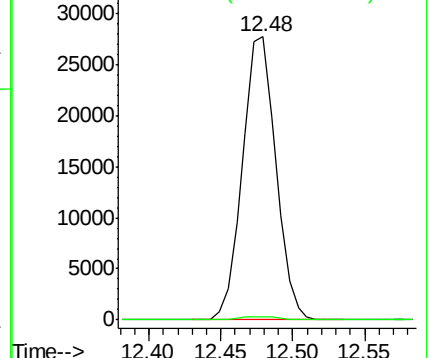
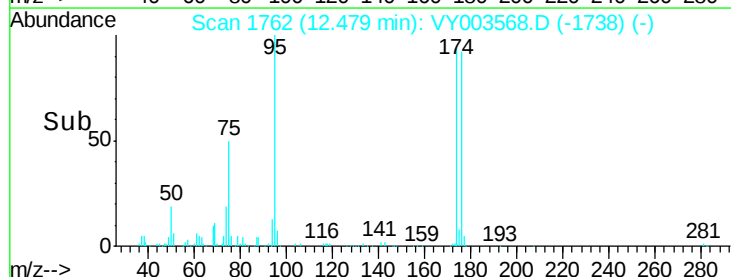
75 100

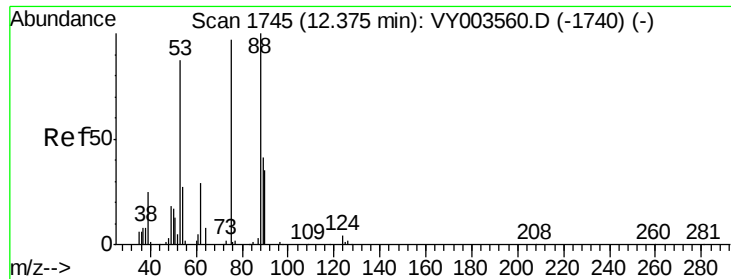
77 1.4 0.0 0.0#



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: 78.501 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003568.D

Acq: 20 Nov 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

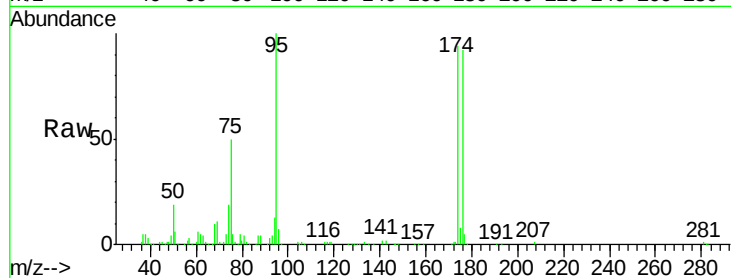
Tot Ion: 75 Resp: 44743

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 34.7 52.1#



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

