

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003580.D
 Acq On : 20 Nov 2020 19:53
 Operator : SY/MD
 Sample : L4838-03
 Misc : 5.59G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:55:50 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	85078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	210812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	204131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	71772	81.25	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	162.50%
35) Dibromofluoromethane	7.72	113	76404	55.14	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.28%
50) Toluene-d8	10.17	98	262061	48.63	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.26%
62) 4-Bromofluorobenzene	12.48	95	80890	47.30	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.60%

Target Compounds

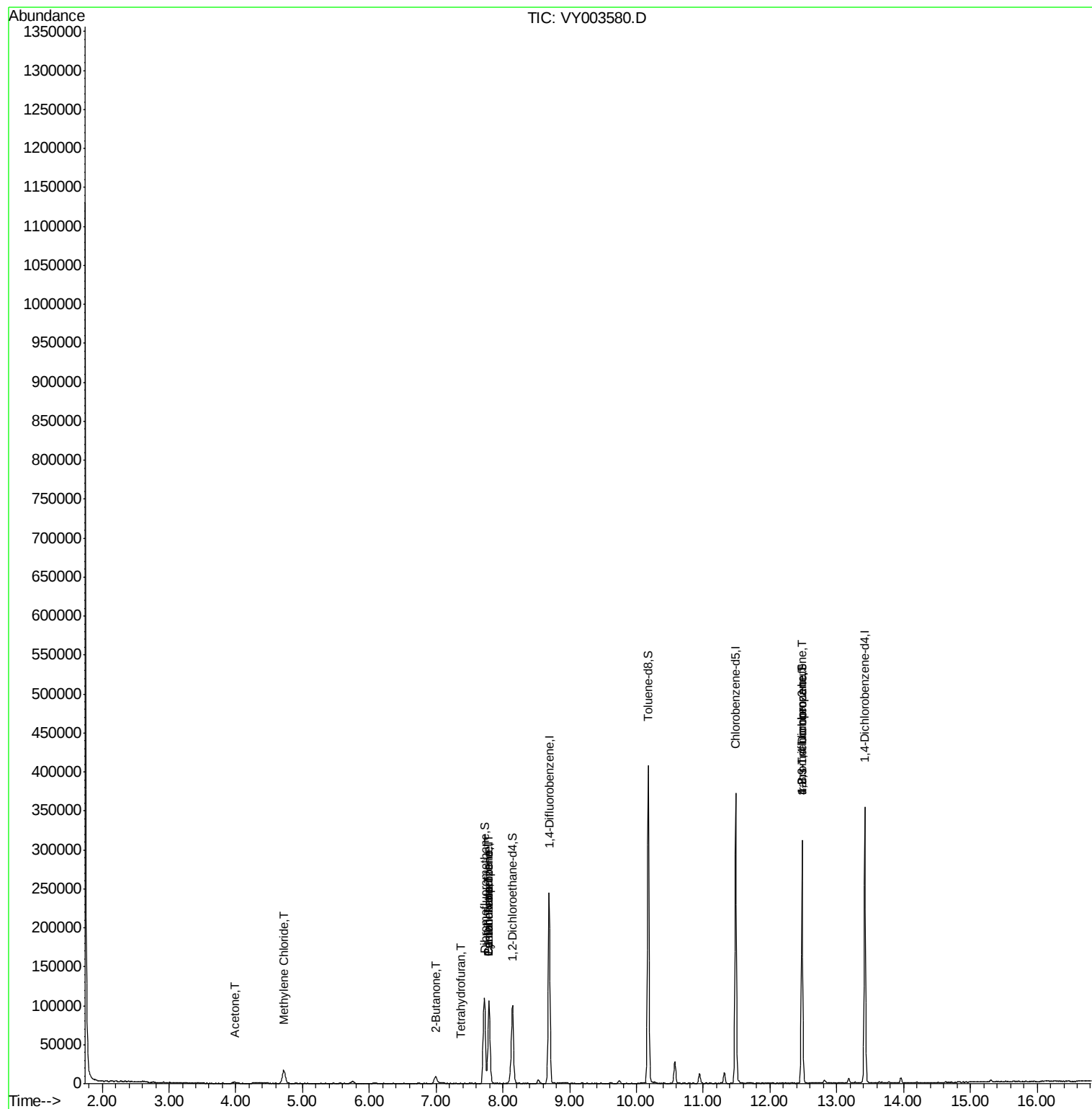
					Qvalue	
16) Acetone	3.98	43	3664	12.422	ug/l #	86
20) Methylene Chloride	4.72	84	13340	9.514	ug/l	89
25) 2-Butanone	7.00	43	861	2.250	ug/l #	50
29) Tetrahydrofuran	7.36	42	240	1.197	ug/l #	53
31) Cyclohexane	7.79	56	1802	1.411	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	6388	3.078	ug/l #	49
38) Carbon Tetrachloride	7.79	117	8215	4.273	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	43939	48.840	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	43939	77.642	ug/l #	14

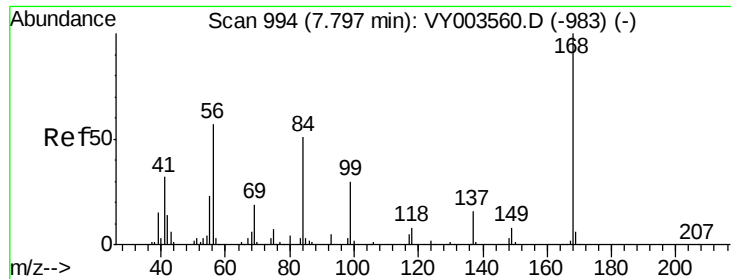
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003580.D

Acq: 20 Nov 2020 19:53

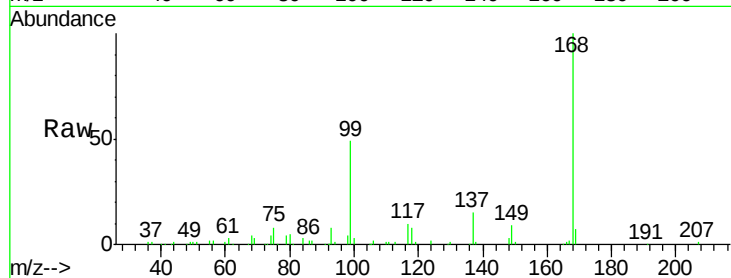
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 85078

Ion Ratio Lower Upper

168 100

99 49.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VY003560.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003560.D (-983) (-)

7.79

40000

30000

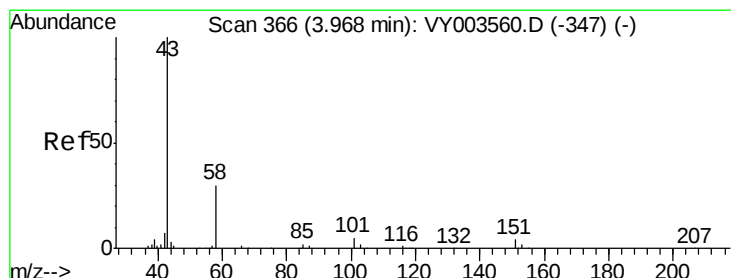
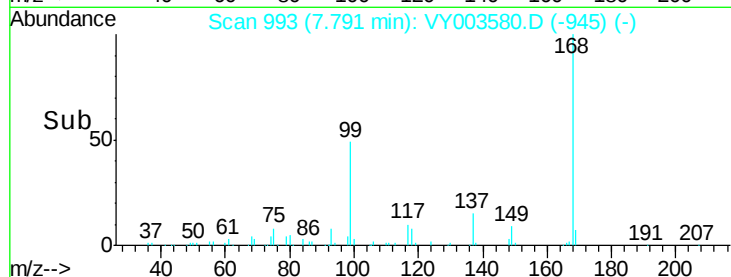
20000

10000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 12.422 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003580.D

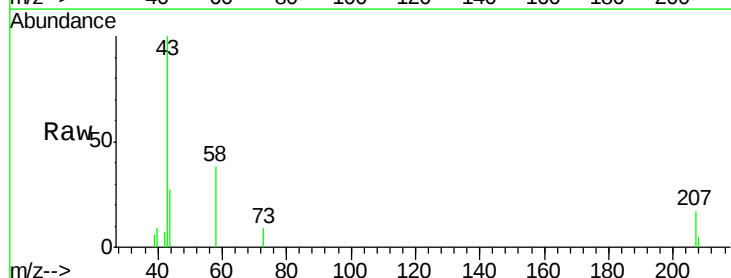
Acq: 20 Nov 2020 19:53

Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

43 100

58 37.5 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003560.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY003560.D (-347) (-)

3.98

1200

1000

800

600

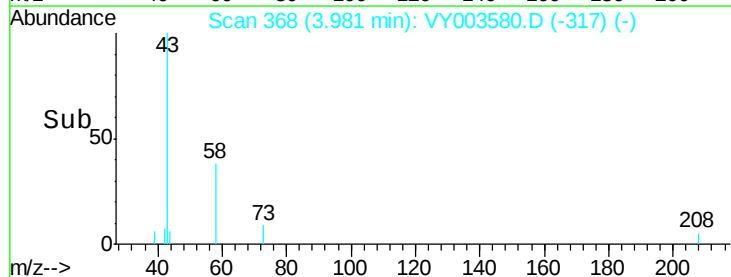
400

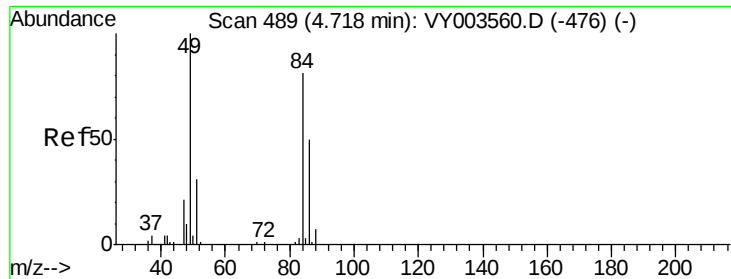
200

0

3.90 4.00 4.10

Time-->

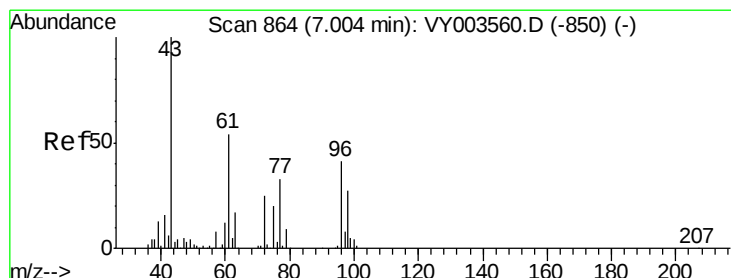
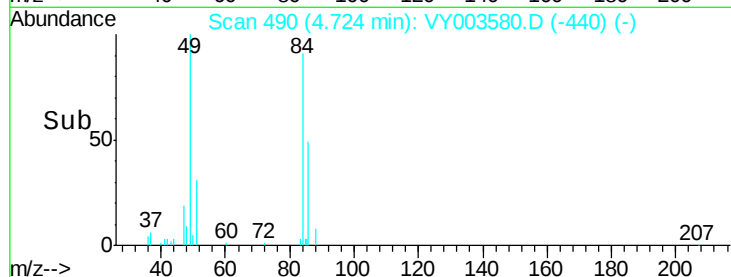
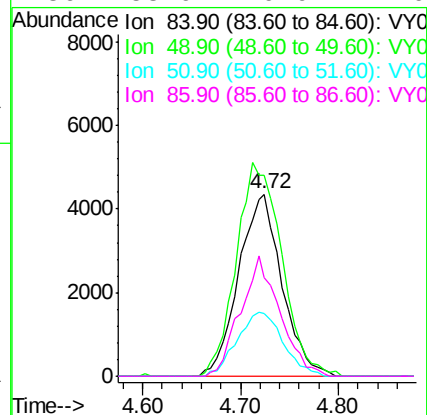
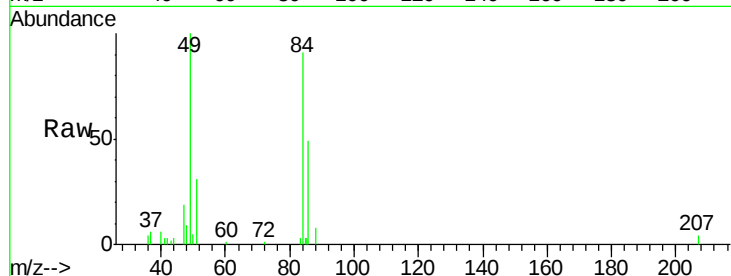




#20
Methvlene Chloride
Concen: 9.514 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY003580.D
Acq: 20 Nov 2020 19:53

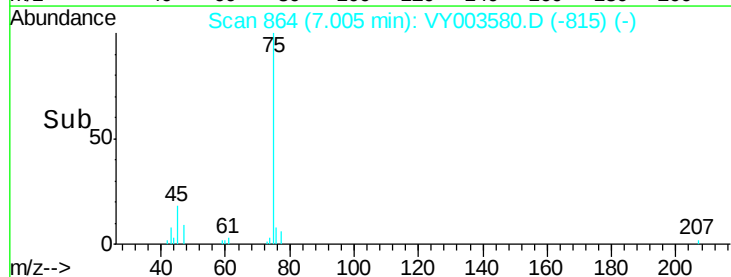
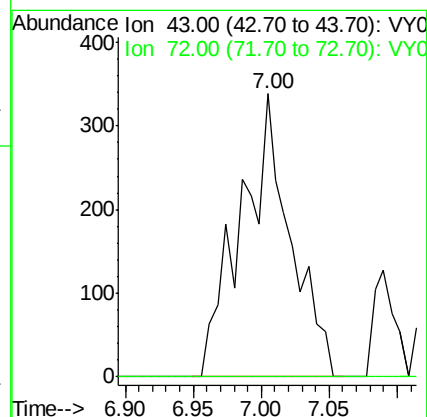
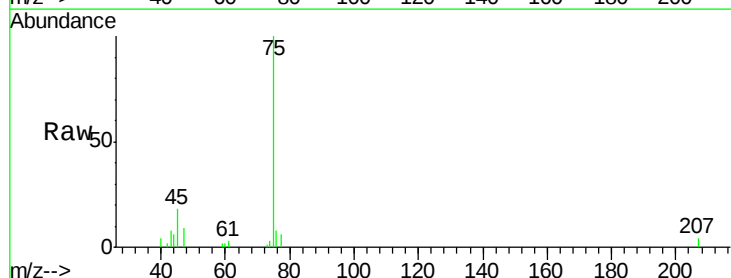
Instrument :
MSVOA_Y
ClientSampleId :

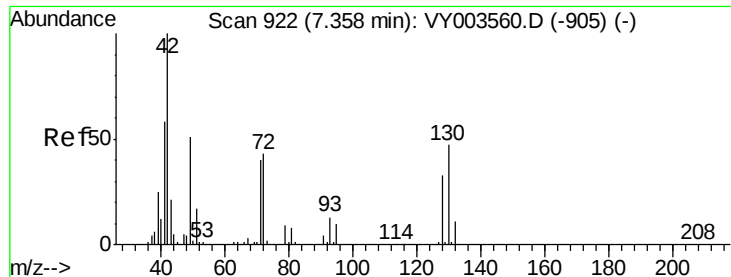
Tot Ion: 84 Resp: 13340
Ion Ratio Lower Upper
84 100
49 110.5 99.0 148.6
51 34.2 30.5 45.7
86 53.9 49.9 74.9



#25
2-Butanone
Concen: 2.250 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY003580.D
Acq: 20 Nov 2020 19:53

Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#

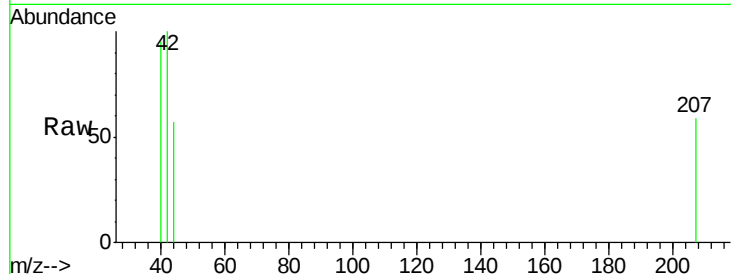




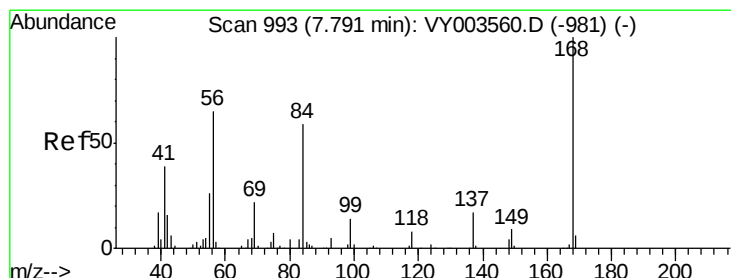
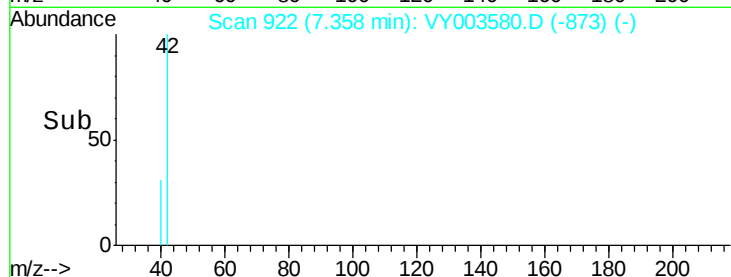
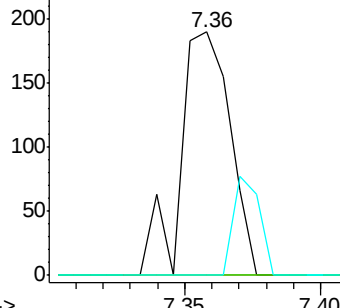
#29
Tetrahydrofuran
Concen: 1.197 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003580.D
Acq: 20 Nov 2020 19:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 240
Ion Ratio Lower Upper
42 100
72 0.0 32.6 49.0#
71 21.3 30.2 45.2#

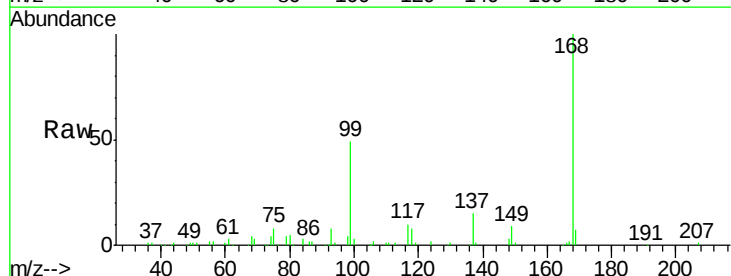


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

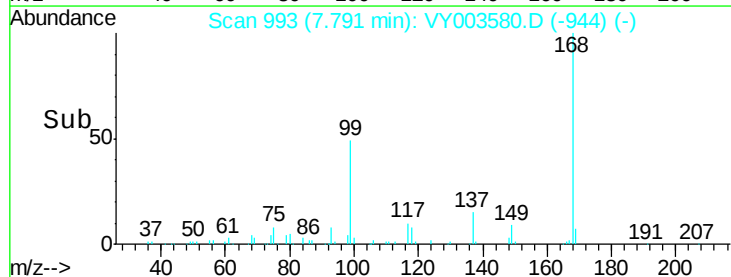
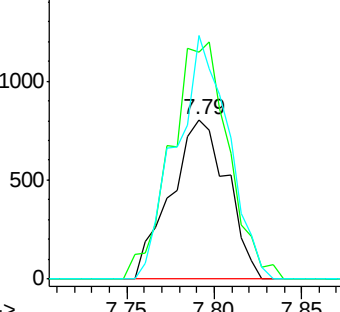


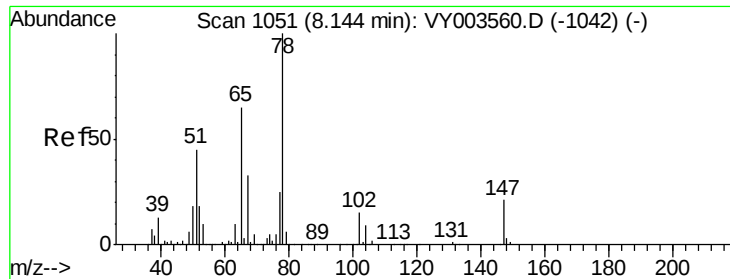
#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003580.D
Acq: 20 Nov 2020 19:53

Tgt Ion: 56 Resp: 1802
Ion Ratio Lower Upper
56 100
69 142.3 27.0 40.6#
84 152.9 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: 81.246 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003580.D

Acq: 20 Nov 2020 19:53

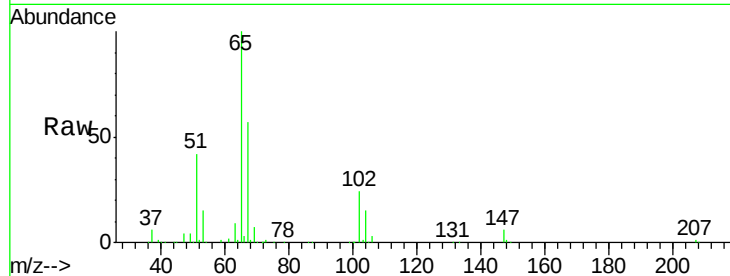
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 71772

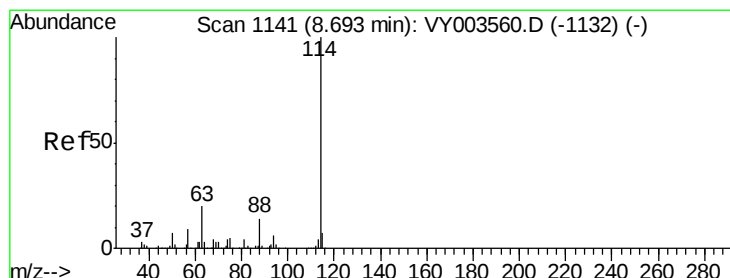
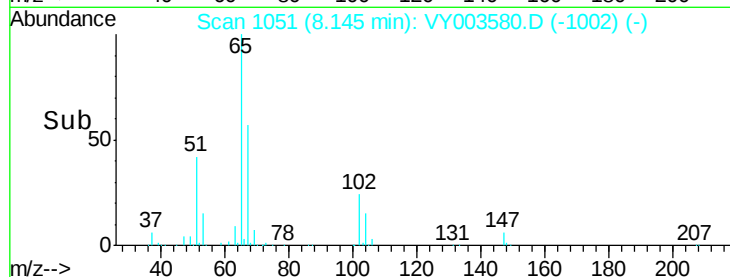
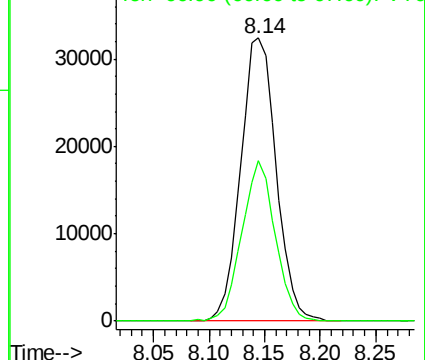
Ion Ratio Lower Upper

65 100

67 53.3 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: VY003580.D

Acq: 20 Nov 2020 19:53

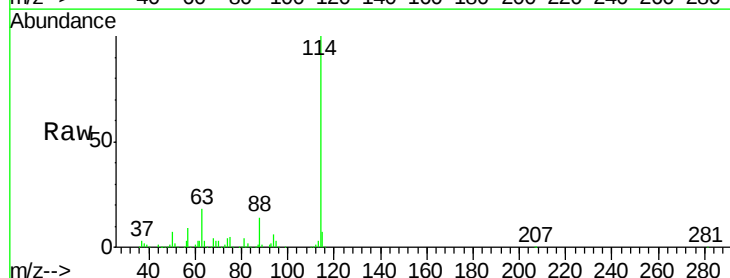
Tgt Ion: 114 Resp: 210812

Ion Ratio Lower Upper

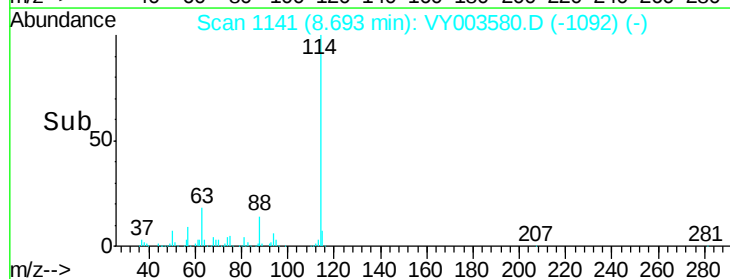
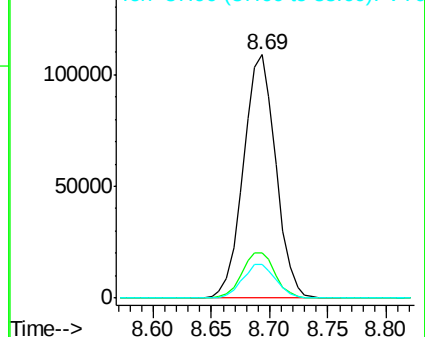
114 100

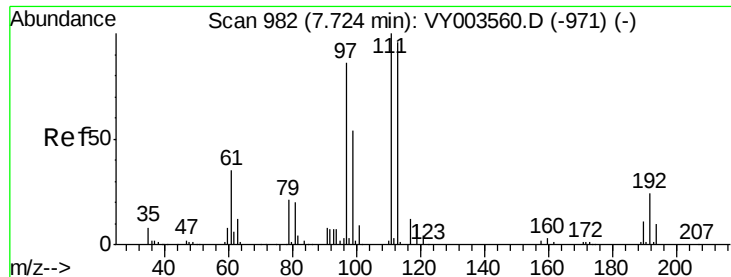
63 18.3 0.0 39.8

88 13.8 0.0 29.0



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

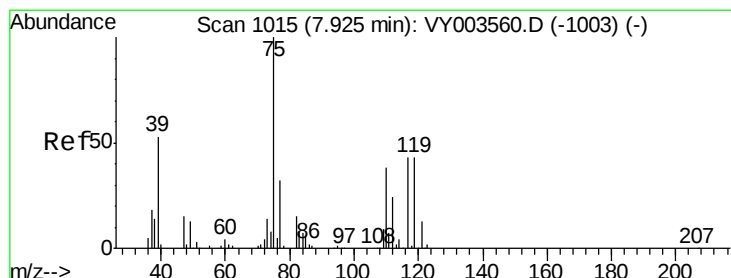
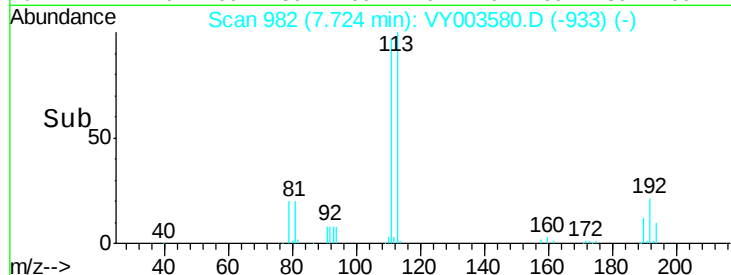
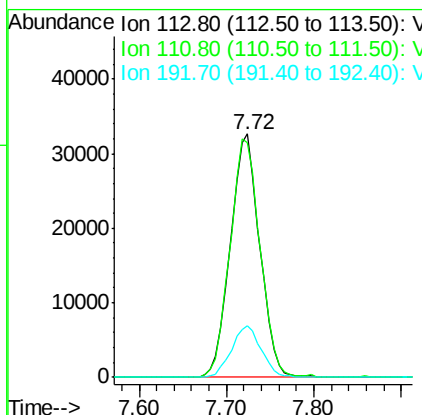
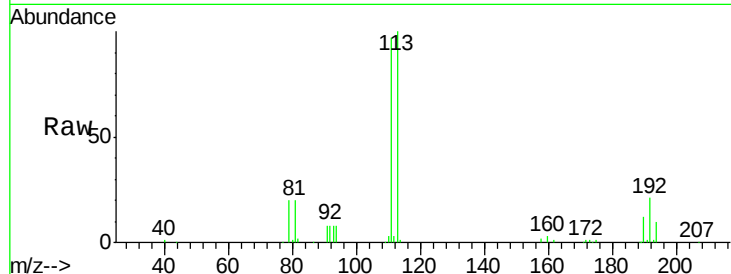




#35
 Dibromofluoromethane
 Concen: 55.136 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003580.D
 Acq: 20 Nov 2020 19:53

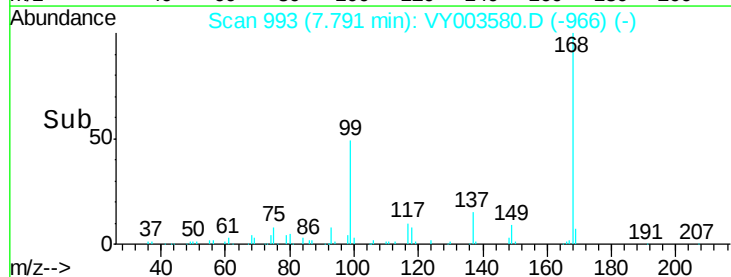
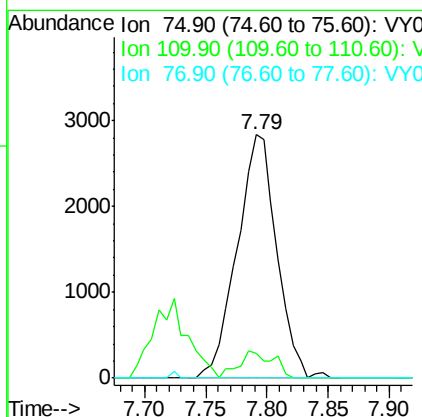
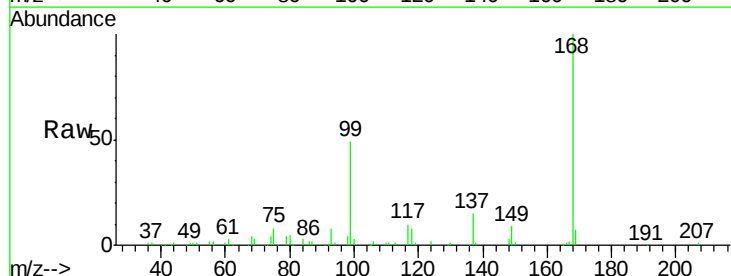
Instrument :
 MSVOA_Y
 ClientSampleId :

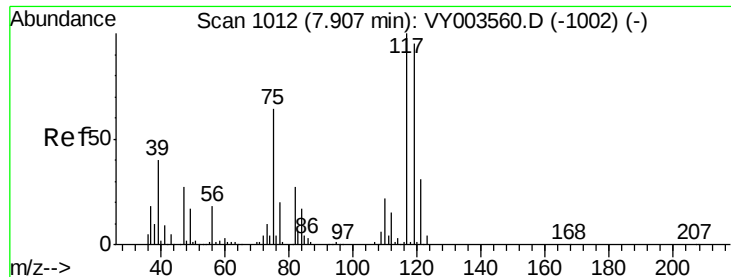
Tot Ion:113 Resp: 76404
 Ion Ratio Lower Upper
 113 100
 111 99.6 81.4 122.0
 192 21.4 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 3.078 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003580.D
 Acq: 20 Nov 2020 19:53

Tgt Ion: 75 Resp: 6388
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.7 56.1#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.273 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003580.D

Acq: 20 Nov 2020 19:53

Instrument :

MSVOA_Y

ClientSampleId :

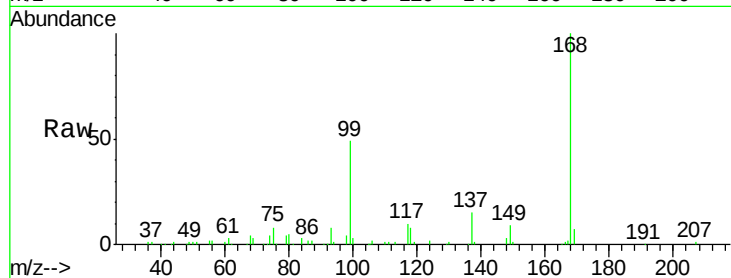
Tot Ion:117 Resp: 8215

Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

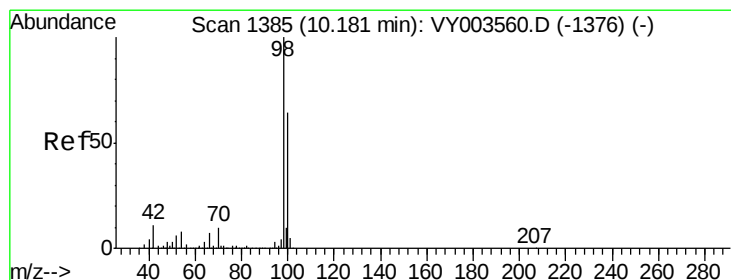
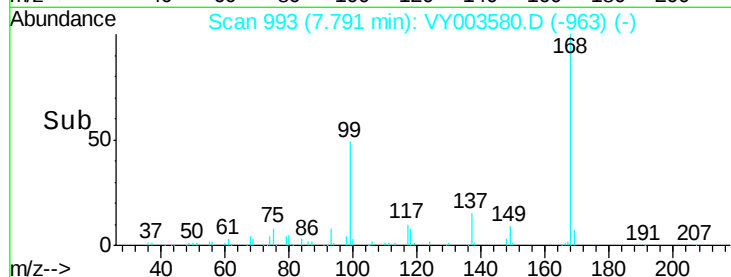
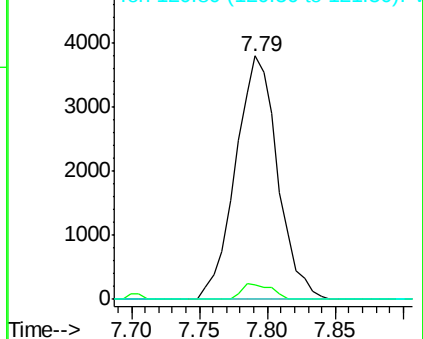
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 48.633 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY003580.D

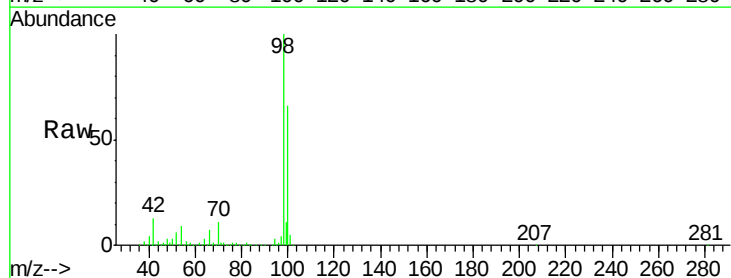
Acq: 20 Nov 2020 19:53

Tgt Ion: 98 Resp: 262061

Ion Ratio Lower Upper

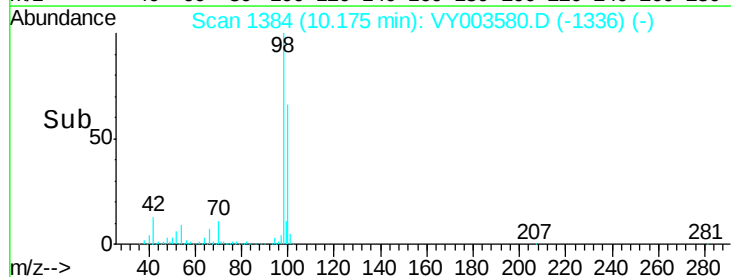
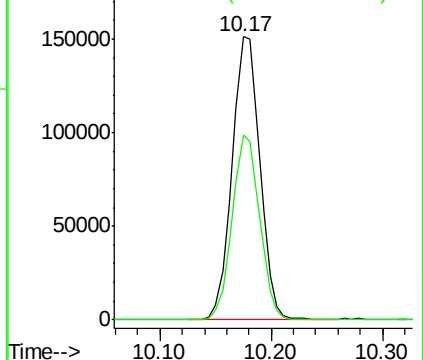
98 100

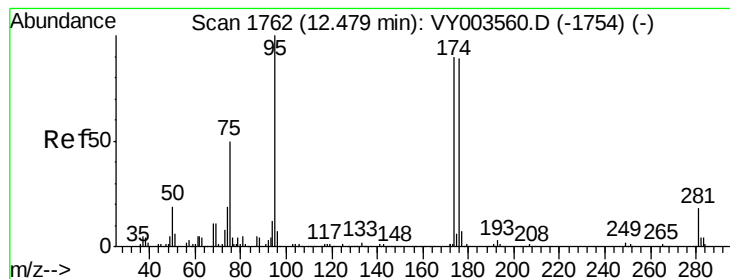
100 64.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 47.302 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003580.D

Acq: 20 Nov 2020 19:53

Instrument :

MSVOA_Y

ClientSampleId :

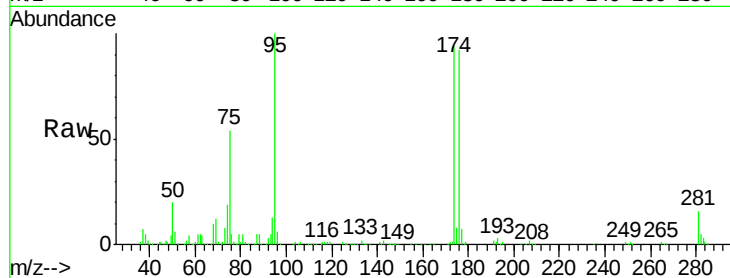
Tot Ion: 95 Resp: 80890

Ion Ratio Lower Upper

95 100

174 94.7 0.0 184.0

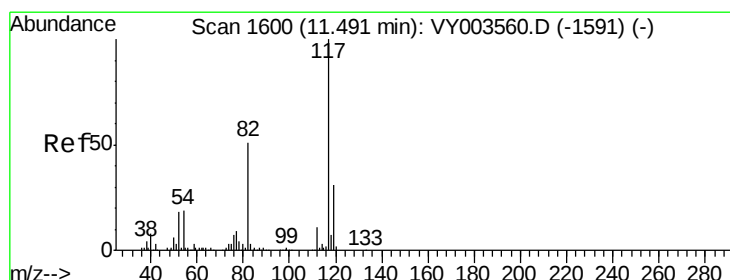
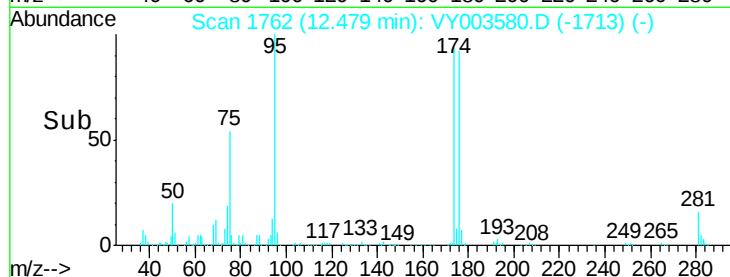
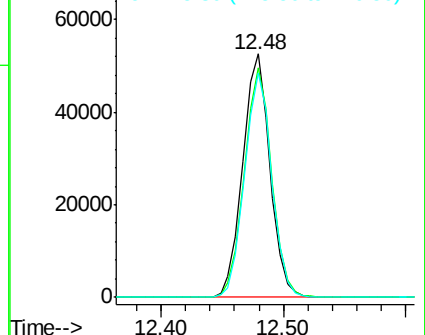
176 91.8 0.0 180.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003580.D

Acq: 20 Nov 2020 19:53

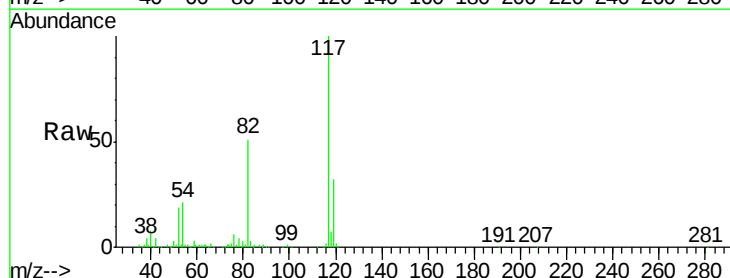
Tgt Ion: 117 Resp: 204131

Ion Ratio Lower Upper

117 100

82 51.1 41.0 61.6

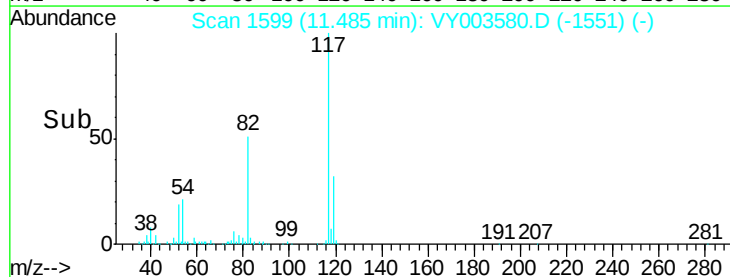
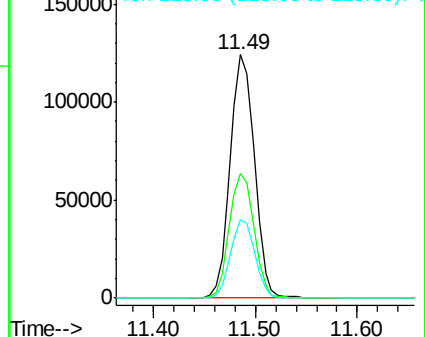
119 32.2 25.0 37.6

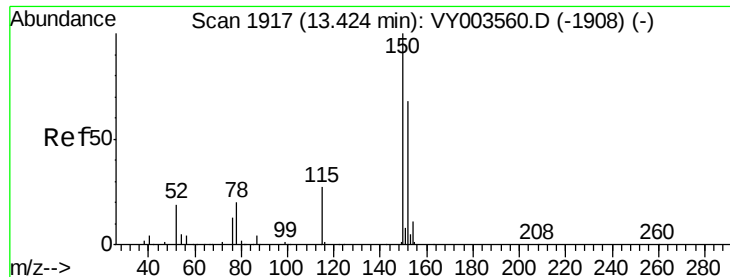


Abundance Ion 116.90 (116.60 to 117.60): VY003560.D (-1591) (-)

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

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



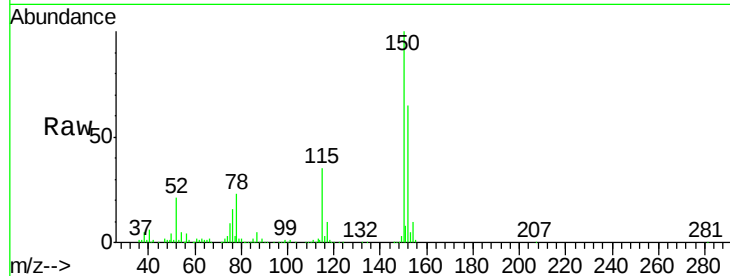


#72

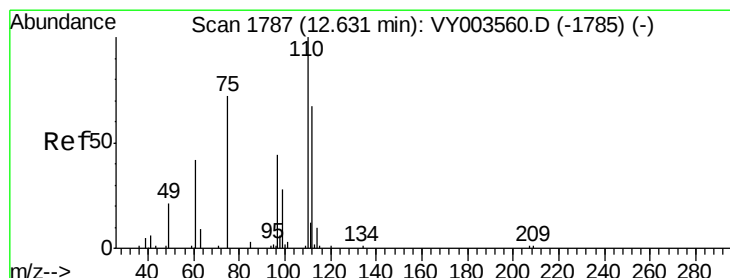
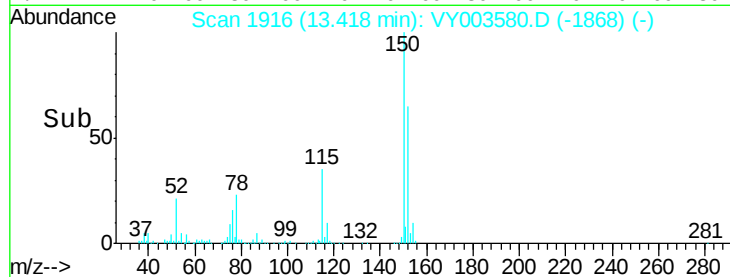
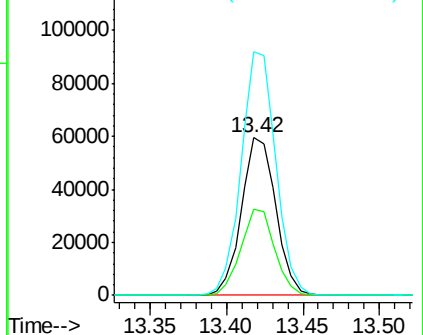
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY003580.D
Acq: 20 Nov 2020 19:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 92796
Ion Ratio Lower Upper
152 100
115 53.9 27.4 82.0
150 155.6 0.0 349.6



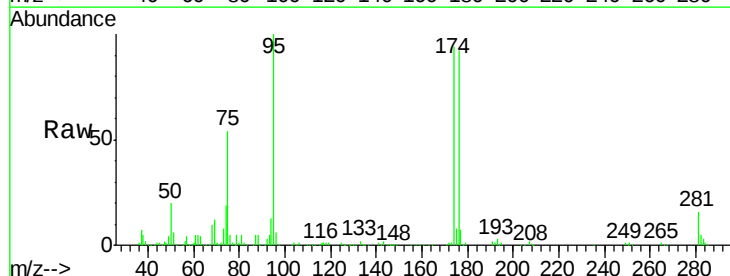
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



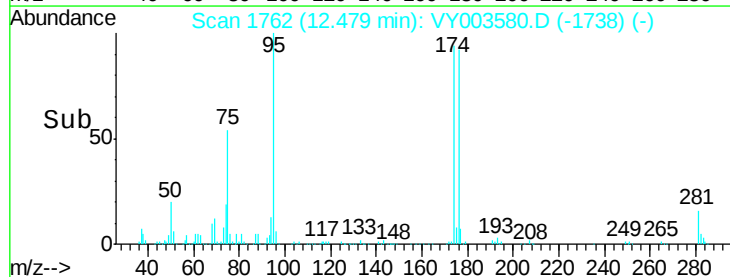
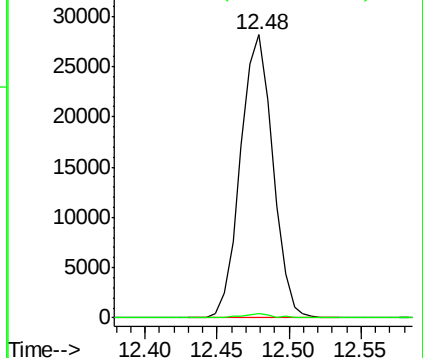
#76

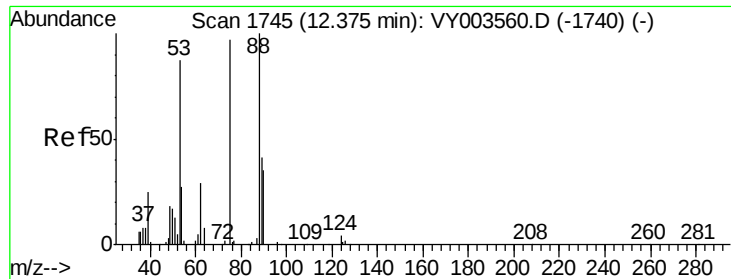
1,2,3-Trichloropropane
Concen: 48.840 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003580.D
Acq: 20 Nov 2020 19:53

Tgt Ion: 75 Resp: 43939
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: 77.642 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003580.D

Acq: 20 Nov 2020 19:53

Instrument :

MSVOA_Y

ClientSampleId :

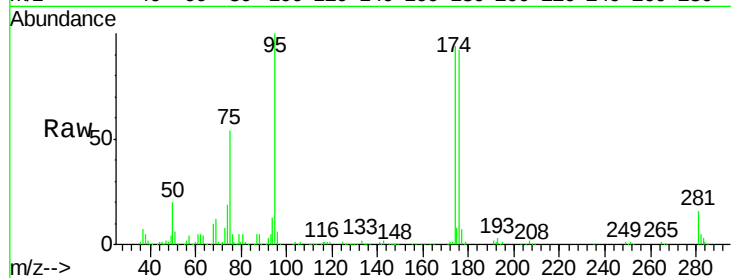
Tot Ion: 75 Resp: 43939

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.3 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

