

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002680.D
 Acq On : 13 May 2020 13:33
 Operator : SY/MD
 Sample : L2500-01
 Misc : 8.14G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:55:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

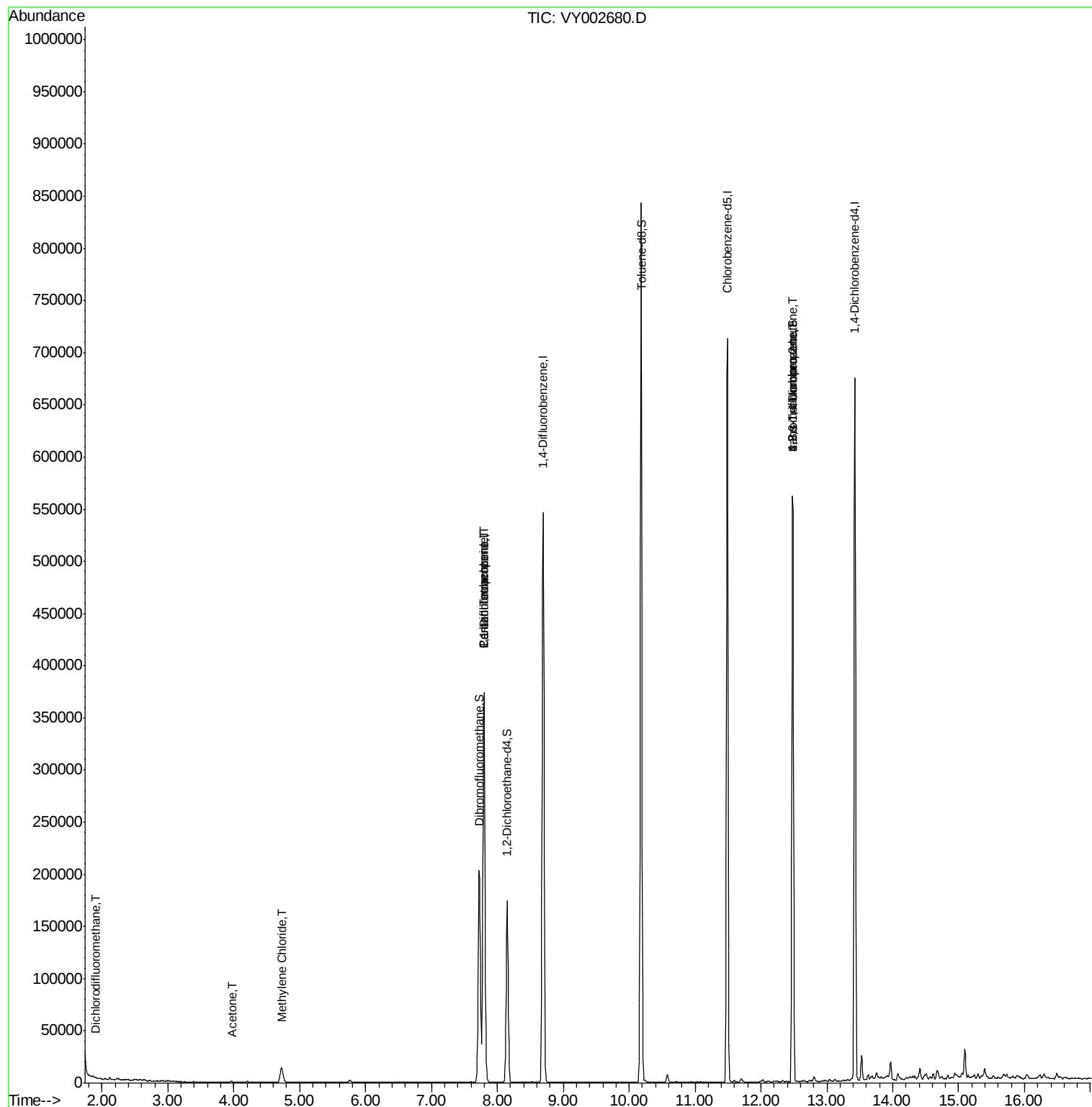
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	311581	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	490940	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	422951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	185863	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	133240	50.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.72%	
35) Dibromofluoromethane	7.72	113	145258	51.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.48%	
50) Toluene-d8	10.18	98	568125	51.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.48	95	172485	46.36	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	86	1.817	ug/l #	43
16) Acetone	3.96	43	1488	2.752	ug/l	94
20) Methylene Chloride	4.72	84	11967	3.958	ug/l	96
36) 1,1-Dichloropropene	7.80	75	19534	4.746	ug/l #	48
38) Carbon Tetrachloride	7.80	117	28131	6.261	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	81587	49.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81587	99.048	ug/l #	15

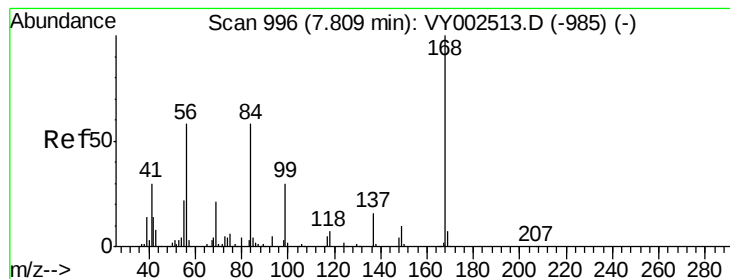
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
ClientSampleId :

Quant Time: May 14 02:55:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002680.D

Acq: 13 May 2020 13:33

Instrument :

MSVOA_Y

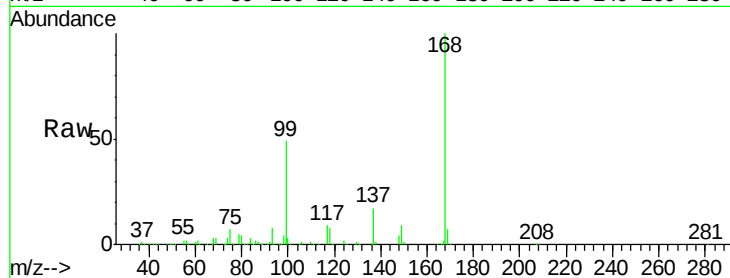
ClientSampleId :

Tot Ion:168 Resp: 311581

Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002680.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002680.D (-947) (-)

7.80

150000

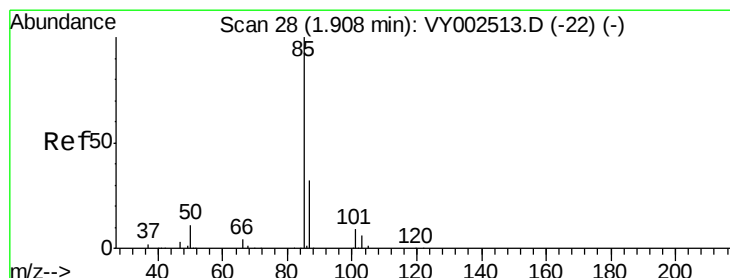
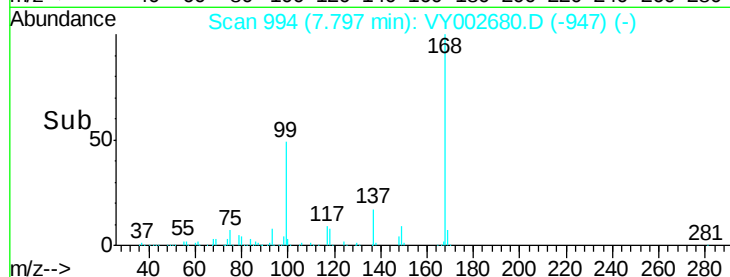
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.817 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002680.D

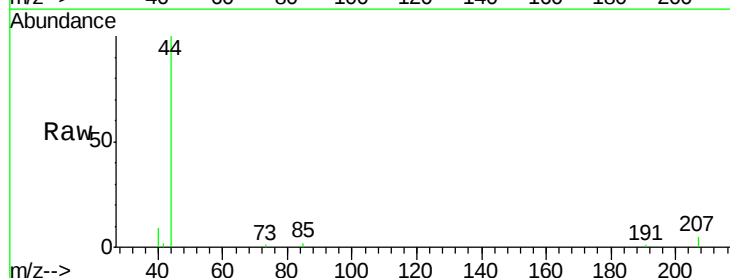
Acq: 13 May 2020 13:33

Tgt Ion: 85 Resp: 86

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002680.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002680.D (-1) (-)

1.91

120

100

80

60

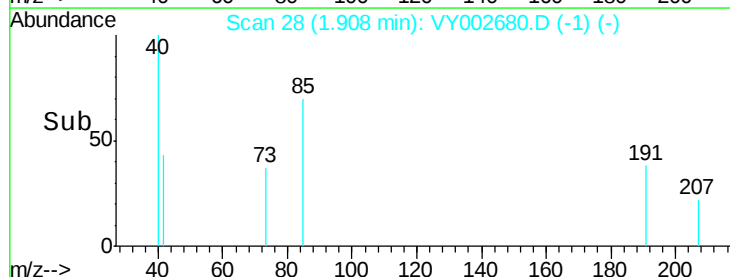
40

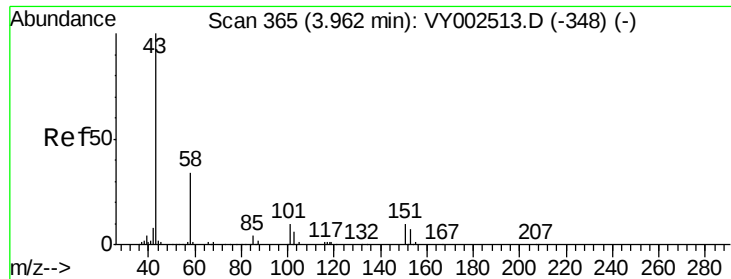
20

0

1.88 1.90 1.92

Time-->





#16

Acetone

Concen: 2.752 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002680.D

Acq: 13 May 2020 13:33

Instrument :

MSVOA_Y

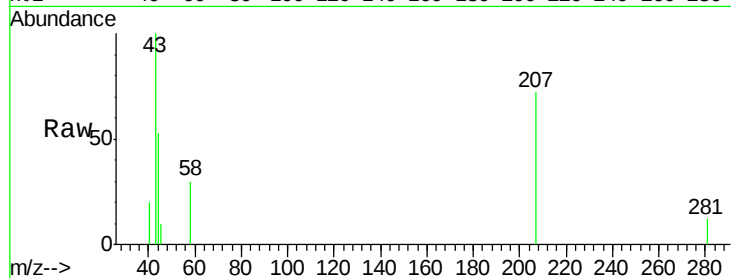
ClientSampleId :

Tot Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

58 30.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

600

500

400

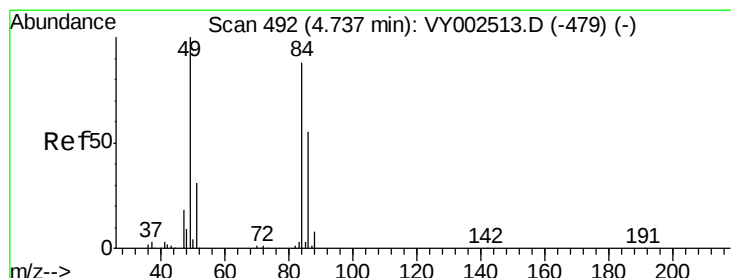
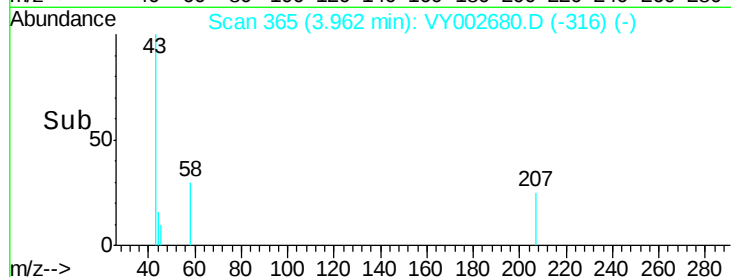
300

200

100

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 3.958 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.01 min

Lab File: VY002680.D

Acq: 13 May 2020 13:33

Tgt Ion: 84 Resp: 11967

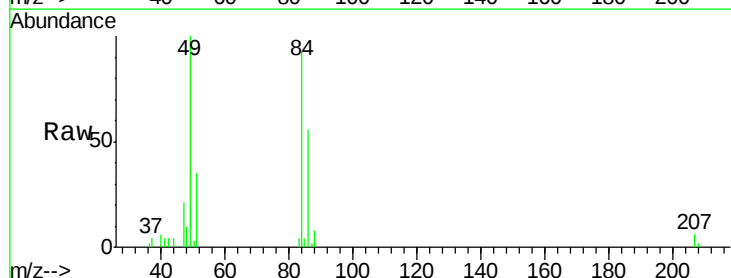
Ion Ratio Lower Upper

84 100

49 107.5 90.5 135.7

51 37.5 28.3 42.5

86 60.2 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

6000

5000

4000

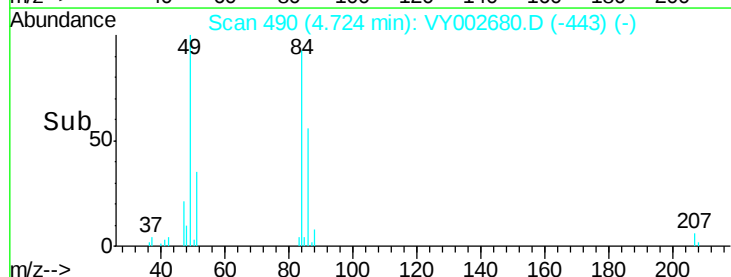
3000

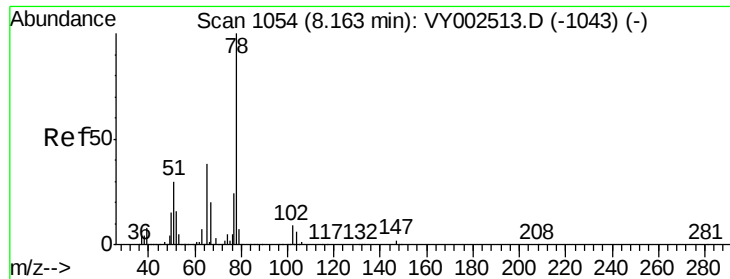
2000

1000

0

Time--> 4.60 4.70 4.80

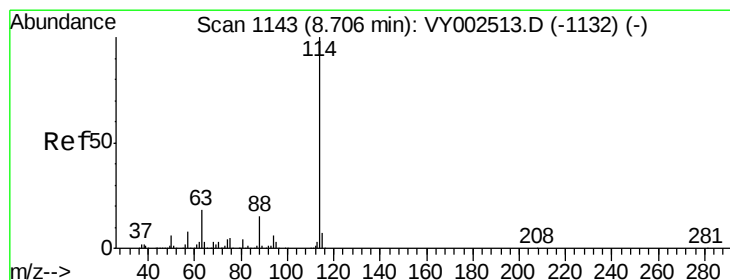
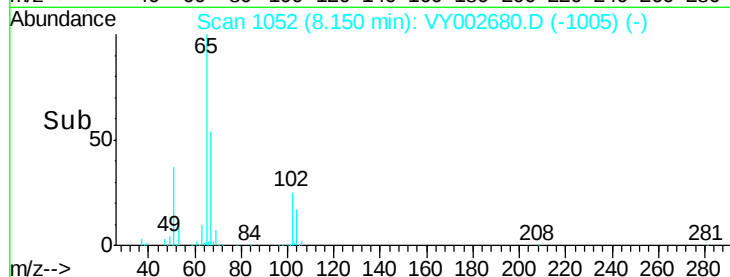
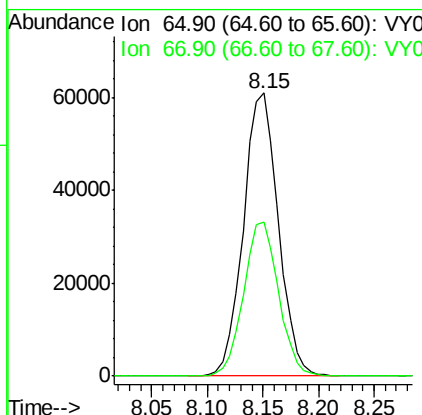
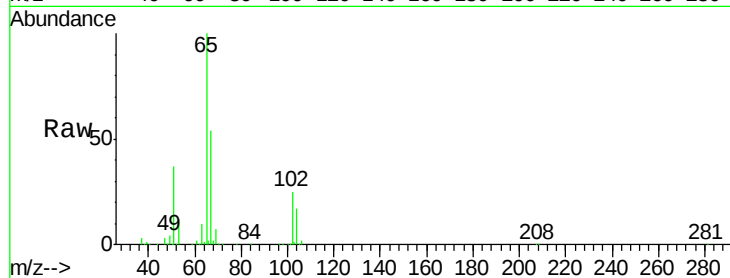




#33
 1,2-Dichloroethane-d4
 Concen: 50.858 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002680.D
 Acq: 13 May 2020 13:33

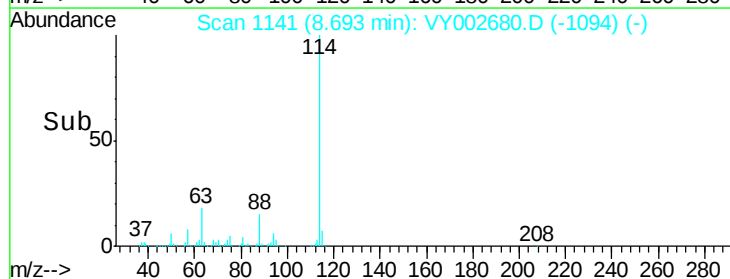
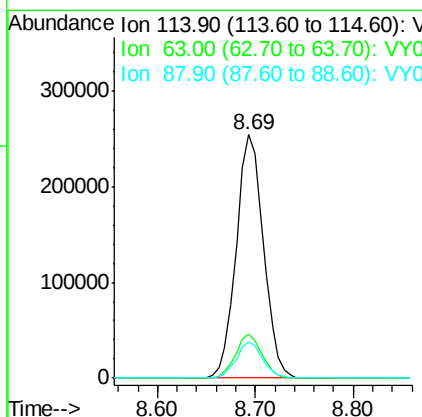
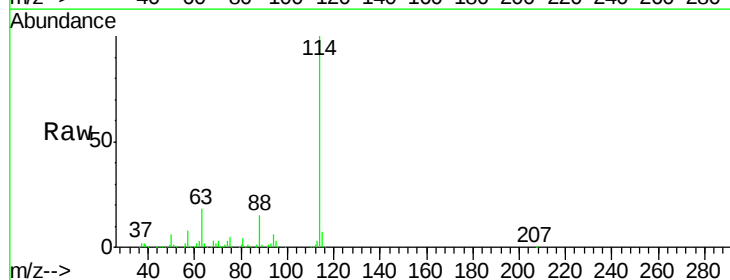
Instrument :
 MSVOA_Y
 ClientSampleId :

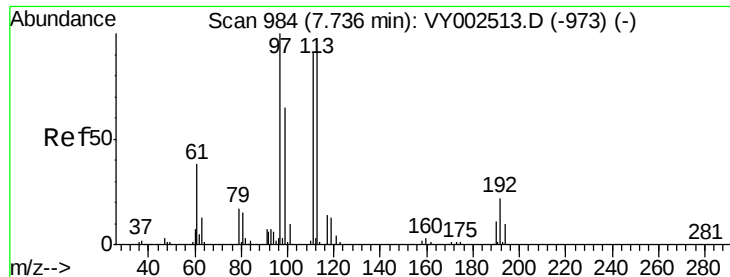
Tot Ion: 65 Resp: 133240
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002680.D
 Acq: 13 May 2020 13:33

Tgt Ion: 114 Resp: 490940
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.4
 88 14.8 0.0 29.6

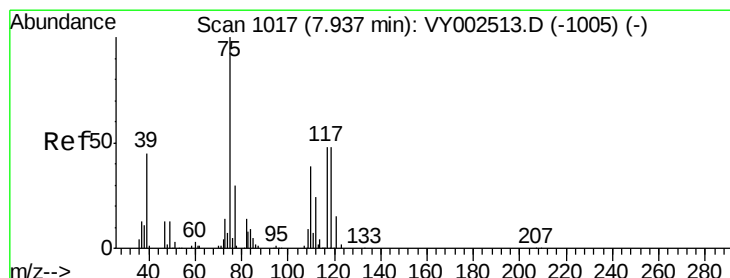
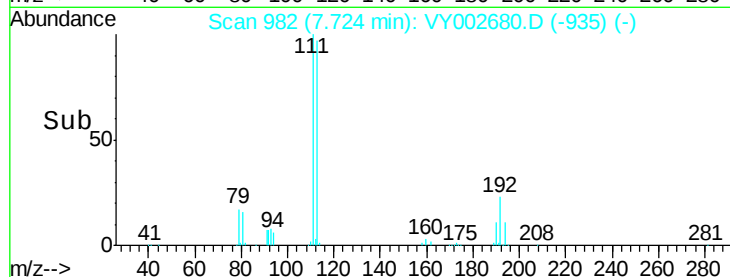
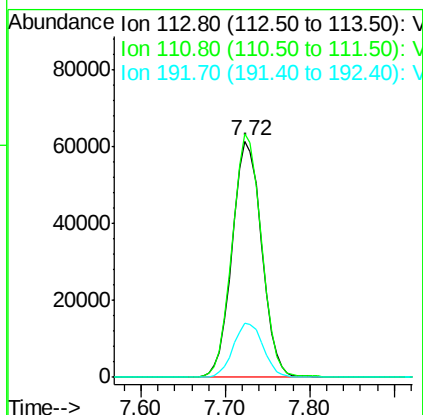
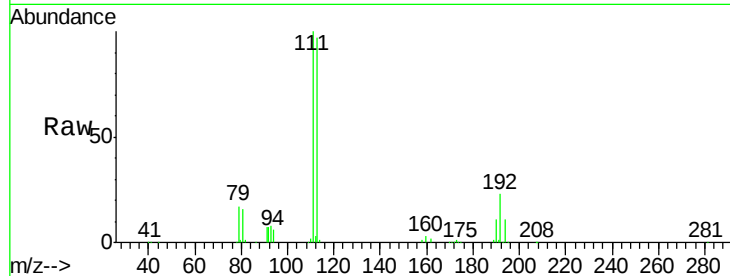




#35
 Dibromofluoromethane
 Concen: 51.736 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002680.D
 Acq: 13 May 2020 13:33

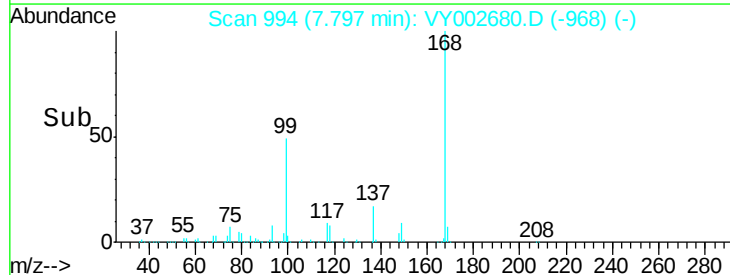
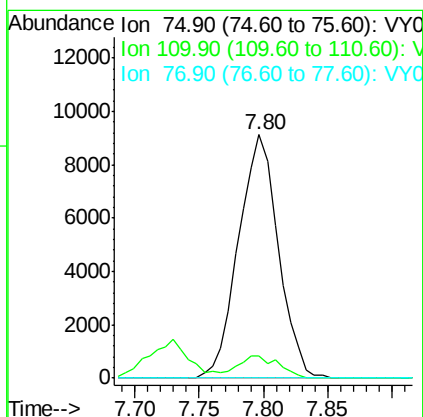
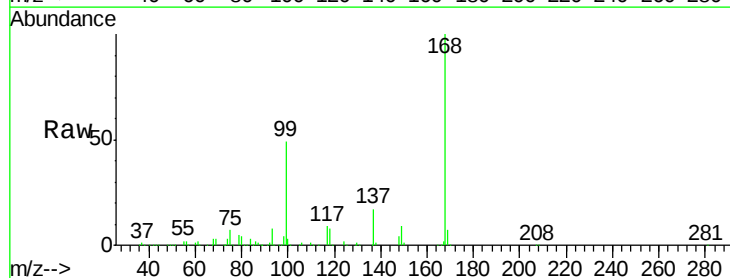
Instrument :
 MSVOA_Y
 ClientSampleId :

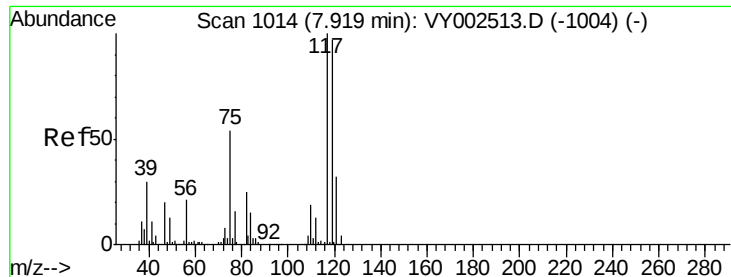
Tot Ion:113 Resp: 145258
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.6
 192 23.3 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002680.D
 Acq: 13 May 2020 13:33

Tgt Ion: 75 Resp: 19534
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.3#
 77 0.0 24.6 37.0#

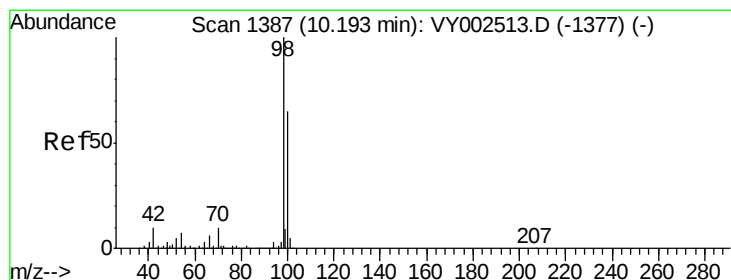
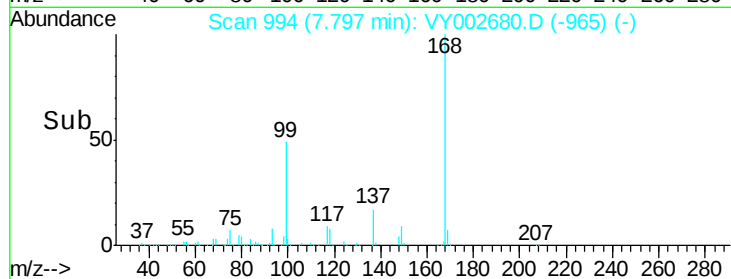
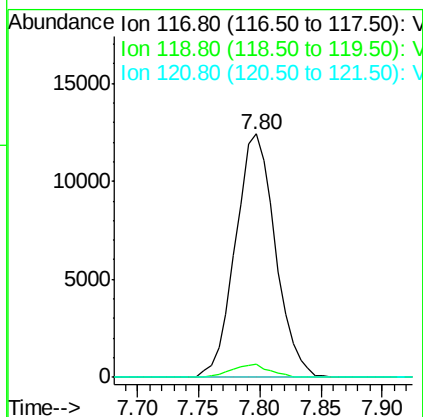
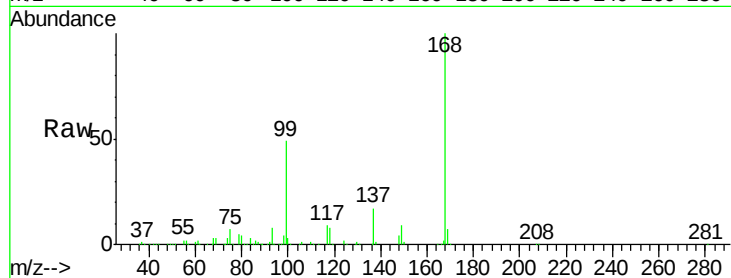




#38
Carbon Tetrachloride
Concen: 6.261 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002680.D
Acq: 13 May 2020 13:33

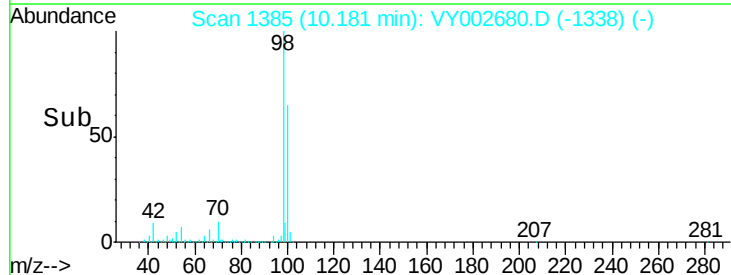
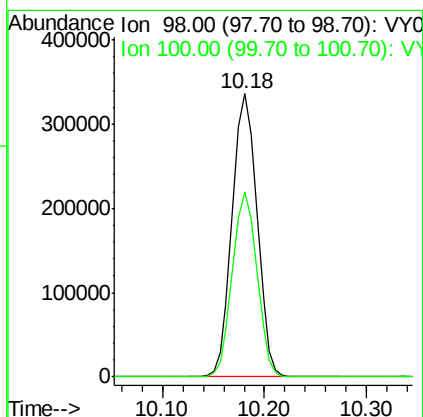
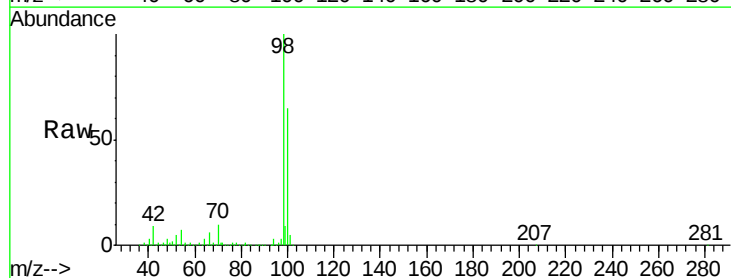
Instrument :
MSVOA_Y
ClientSampleId :

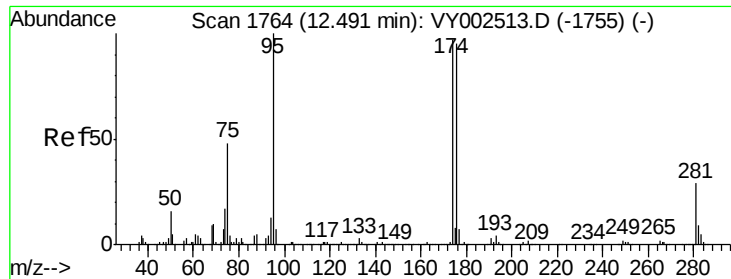
Tot Ion:117 Resp: 28131
Ion Ratio Lower Upper
117 100
119 5.3 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 51.815 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002680.D
Acq: 13 May 2020 13:33

Tgt Ion: 98 Resp: 568125
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

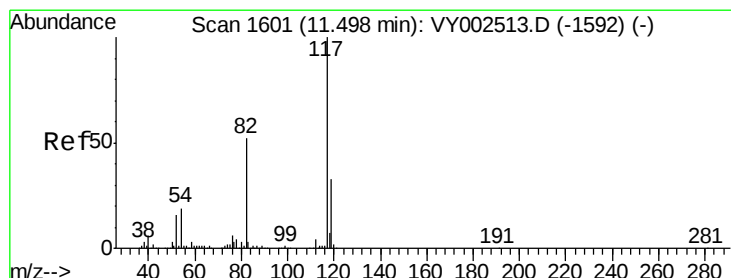
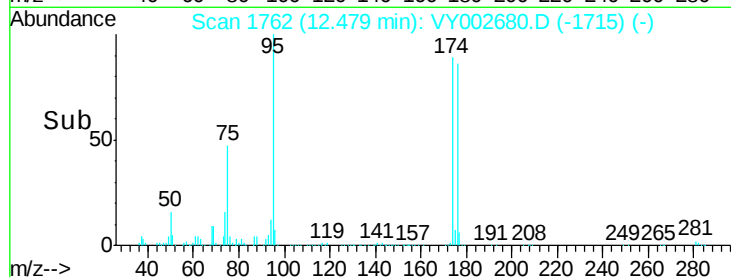
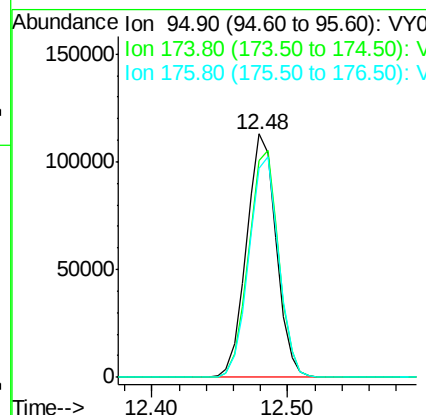
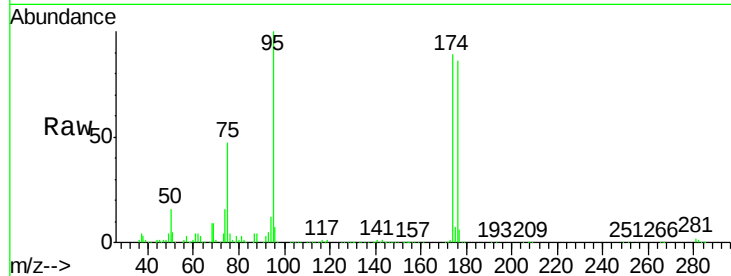




#62
4-Bromofluorobenzene
Concen: 46.360 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002680.D
Acq: 13 May 2020 13:33

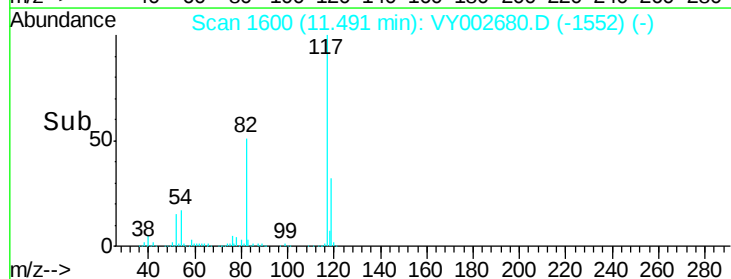
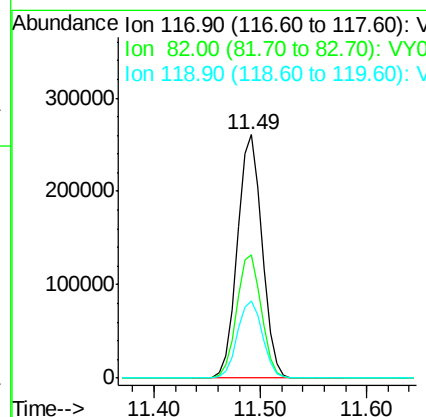
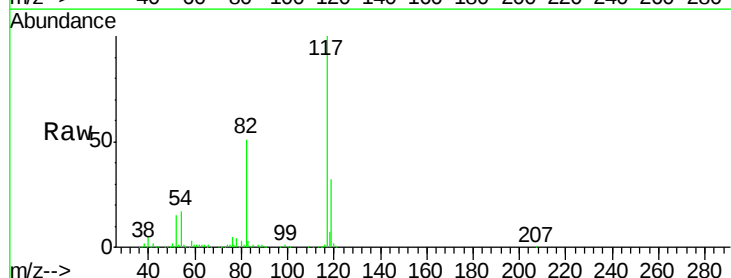
Instrument :
MSVOA_Y
ClientSampled :

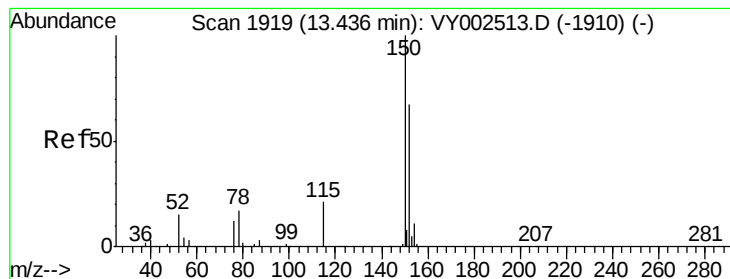
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	188.8
176	90.9	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002680.D
Acq: 13 May 2020 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.3	61.9
119	31.8	26.0	39.0



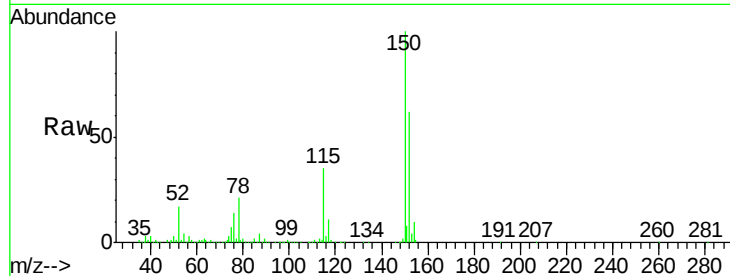


#72

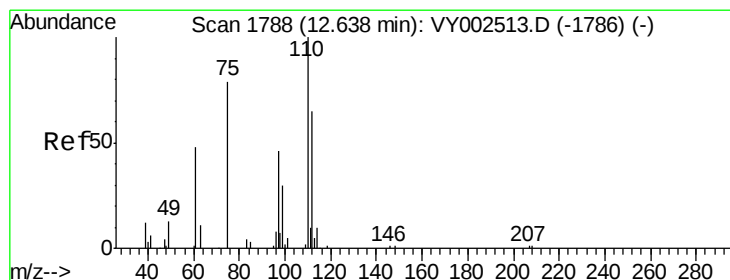
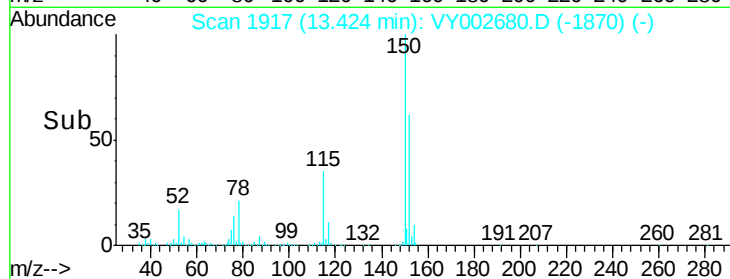
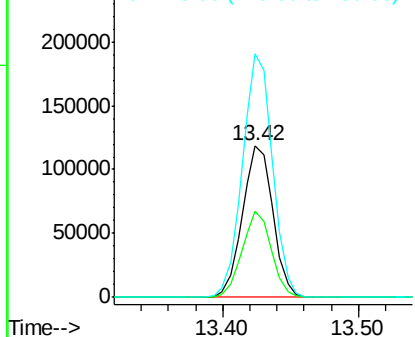
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002680.D
Acq: 13 May 2020 13:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 185863
Ion Ratio Lower Upper
152 100
115 54.3 27.5 82.4
150 157.6 0.0 346.4



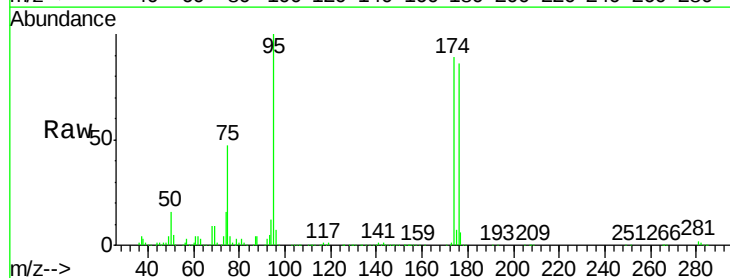
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



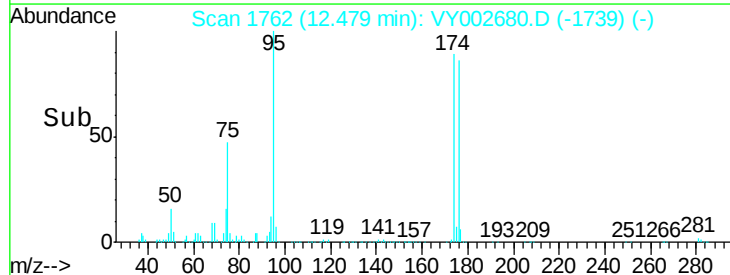
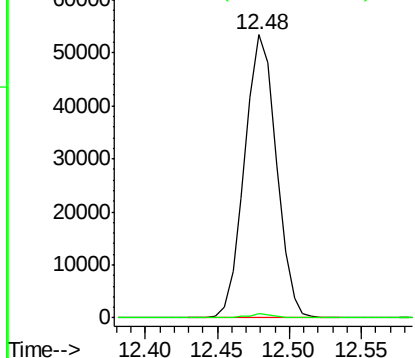
#76

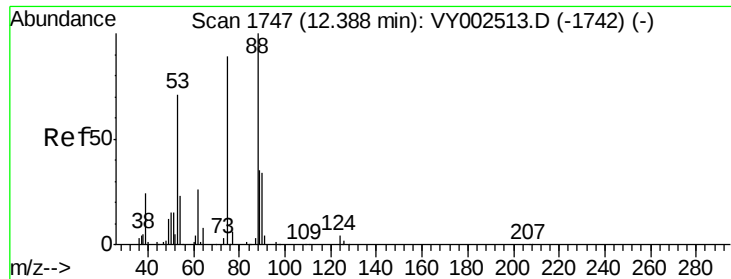
1,2,3-Trichloropropane
Concen: 49.396 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002680.D
Acq: 13 May 2020 13:33

Tgt Ion: 75 Resp: 81587
Ion Ratio Lower Upper
75 100
77 1.1 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: 99.048 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002680.D

Acq: 13 May 2020 13:33

Instrument :

MSVOA_Y

ClientSampleId :

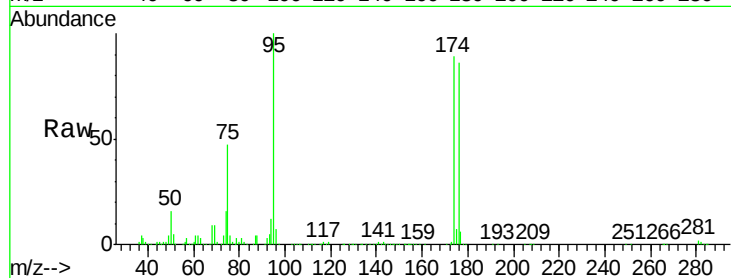
Tot Ion: 75 Resp: 81587

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#



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

