

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\
 Data File : VY002709.D
 Acq On : 18 May 2020 14:46
 Operator : SY/MD
 Sample : L2686-01
 Misc : 5.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 23:53:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	341913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	536196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	459293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	190530	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	149792	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
35) Dibromofluoromethane	7.72	113	160855	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	
50) Toluene-d8	10.18	98	616723	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.48	95	181257	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	

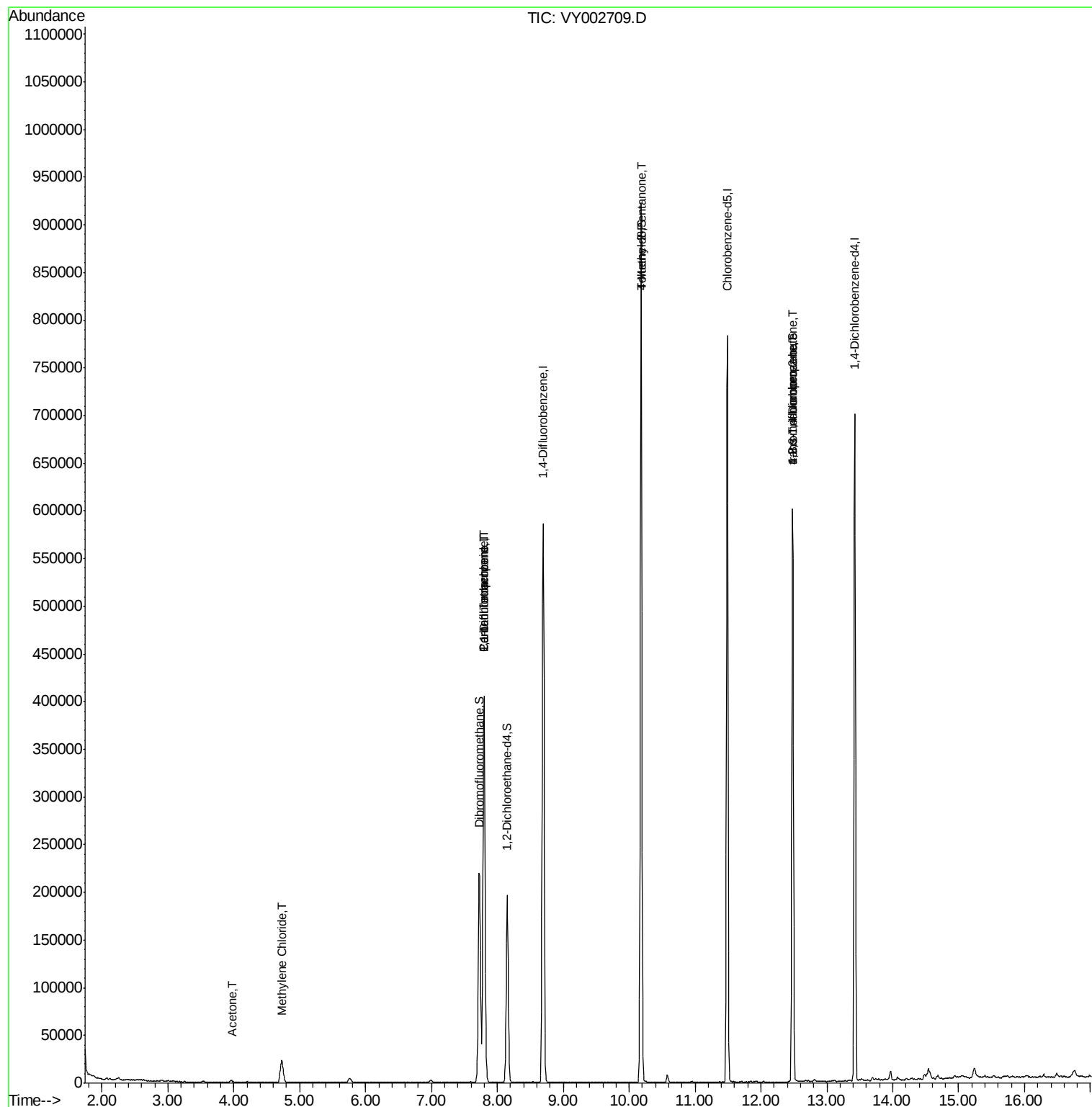
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	3328	6.036	ug/l	93
20) Methylene Chloride	4.72	84	19473	5.843	ug/l	94
36) 1,1-Dichloropropene	7.80	75	20671	4.554	ug/l #	49
38) Carbon Tetrachloride	7.80	117	30396	6.231	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	2204	1.029	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	86751	55.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86751	104.824	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.01	180	183	Below Cal	#	47
96) 1,2,3-Trichlorobenzene	15.42	180	205	Below Cal	#	40

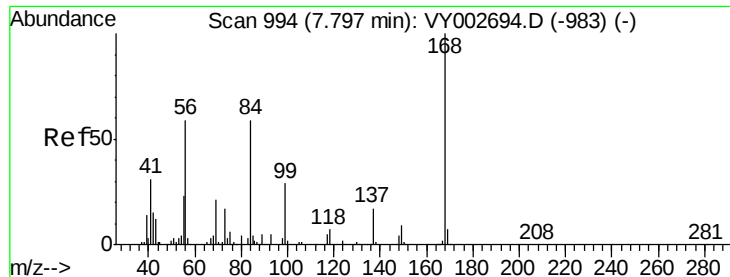
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 16 04:52:36 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: VY002709.D

Acq: 18 May 2020 14:46

Instrument :

MSVOA_Y

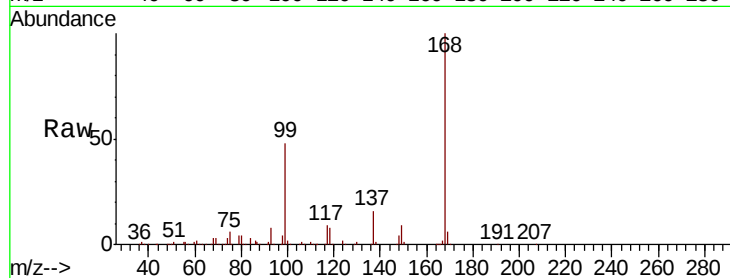
ClientSampleId :

Tot Ion:168 Resp: 341913

Ion Ratio Lower Upper

168 100

99 47.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002694.D (-983) (-)

7.80

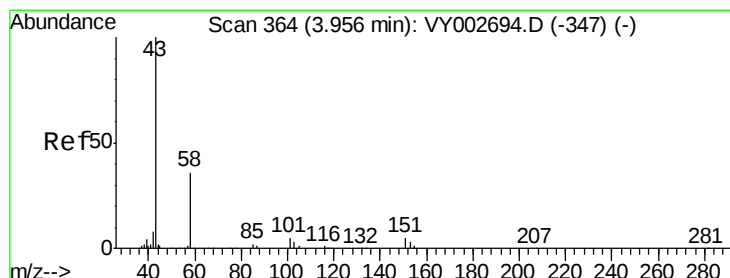
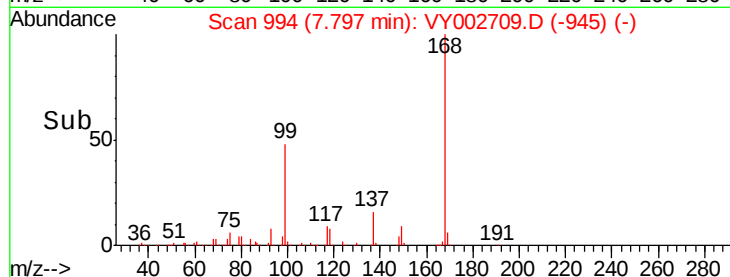
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.036 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002709.D

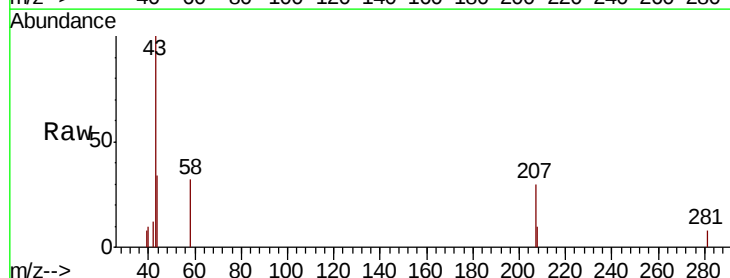
Acq: 18 May 2020 14:46

Tgt Ion: 43 Resp: 3328

Ion Ratio Lower Upper

43 100

58 32.0 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY002694.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002694.D (-347) (-)

3.96

1200

1000

800

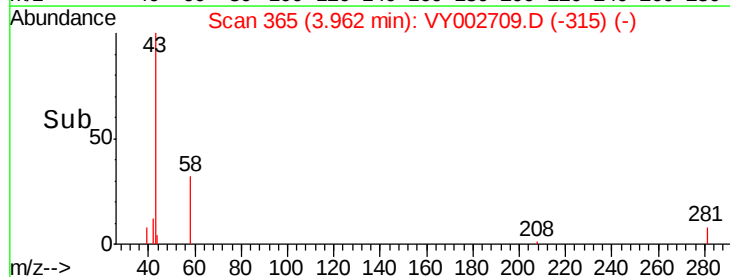
600

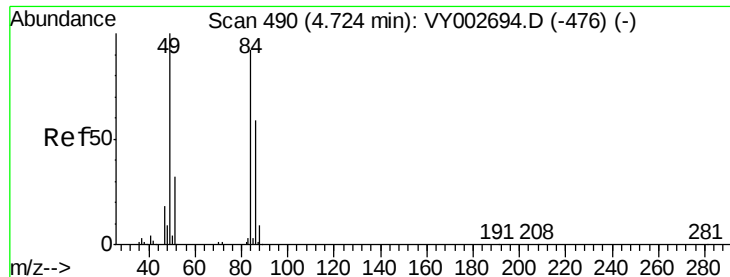
400

200

0

Time-->

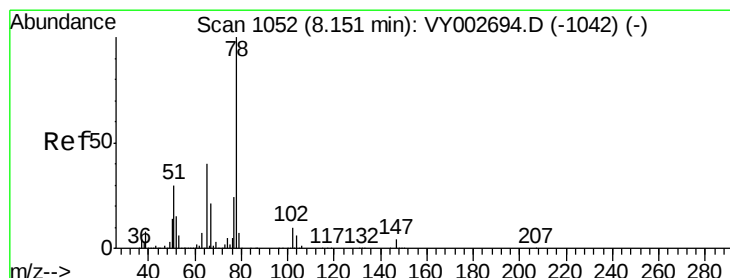
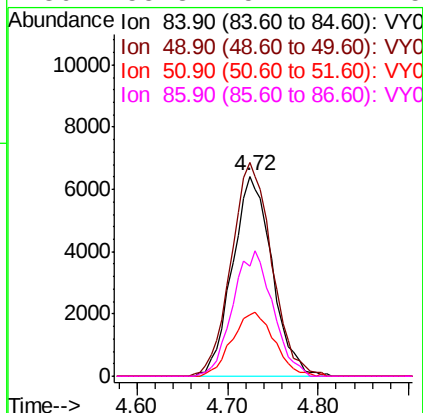
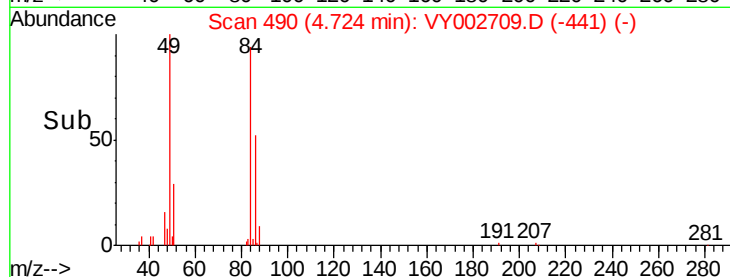
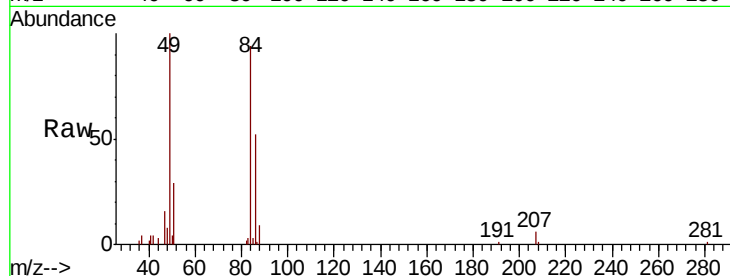




#20
Methylene Chloride
Concen: 5.843 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002709.D
Acq: 18 May 2020 14:46

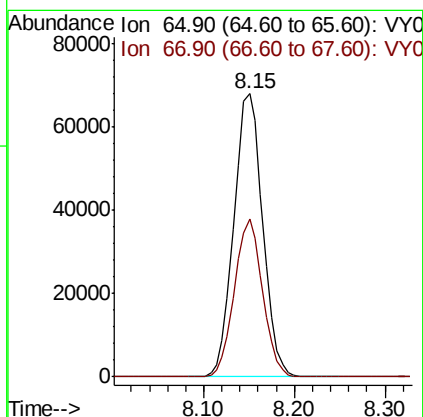
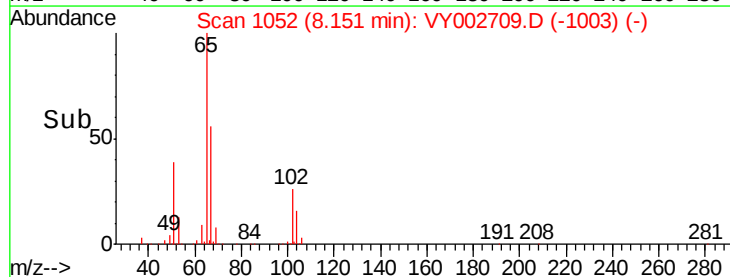
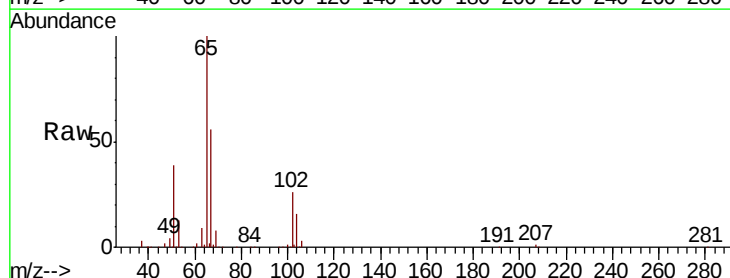
Instrument :
MSVOA_Y
ClientSampled :

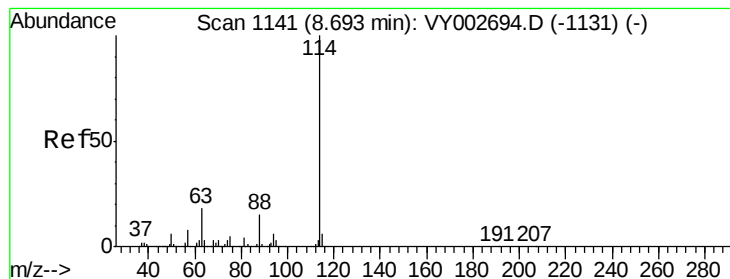
Tot Ion: 84 Resp: 19473
Ion Ratio Lower Upper
84 100
49 106.9 87.4 131.0
51 31.0 27.9 41.9
86 55.3 51.7 77.5



#33
1,2-Dichloroethane-d4
Concen: 56.008 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY002709.D
Acq: 18 May 2020 14:46

Tgt Ion: 65 Resp: 149792
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

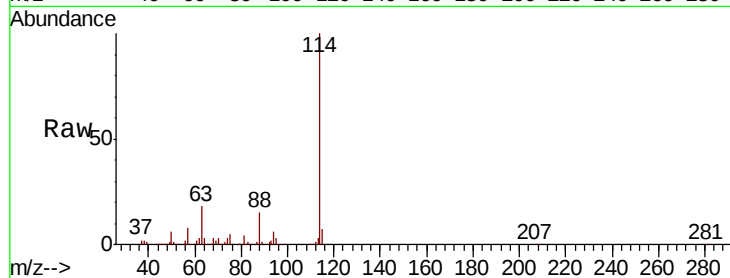
Tot Ion:114 Resp: 536196

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

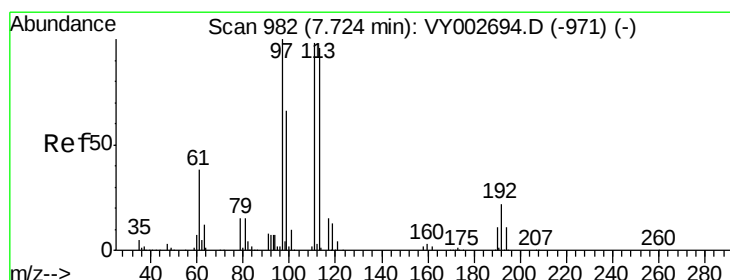
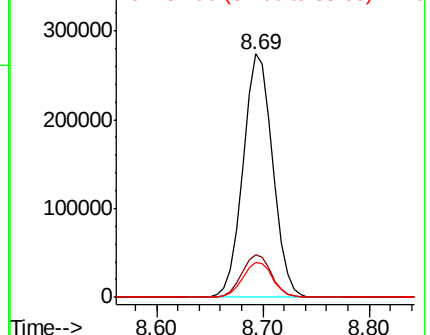
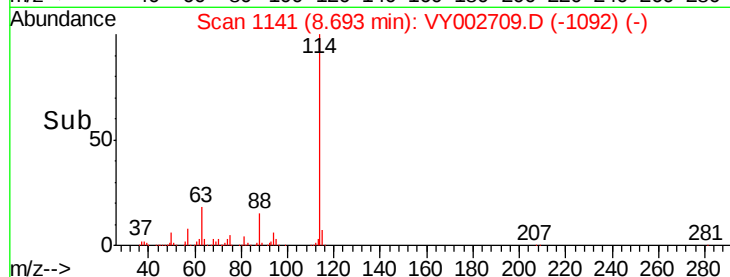
88 14.6 0.0 29.4



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: 54.359 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

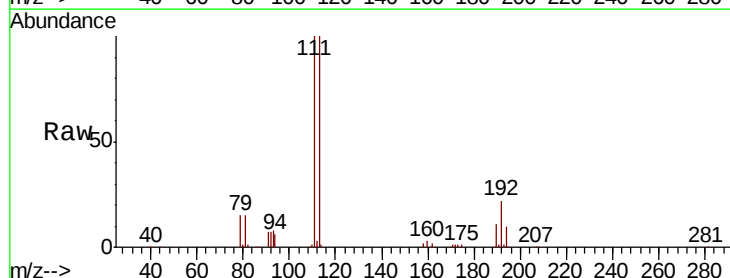
Tgt Ion:113 Resp: 160855

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

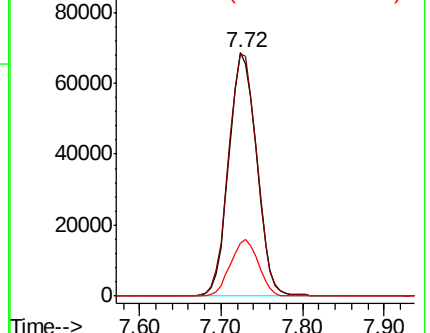
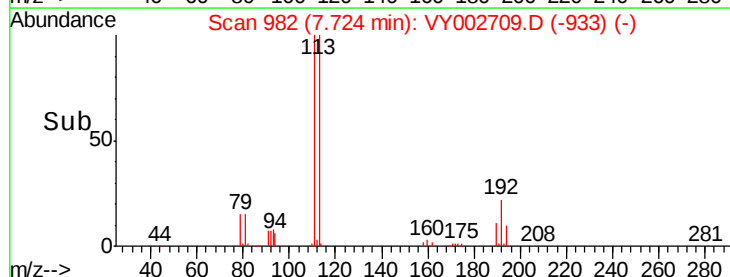
192 23.4 18.6 27.8

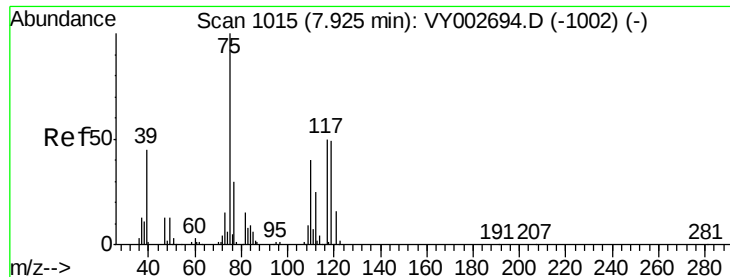


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

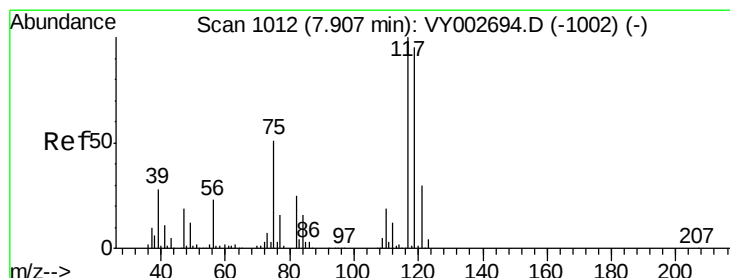
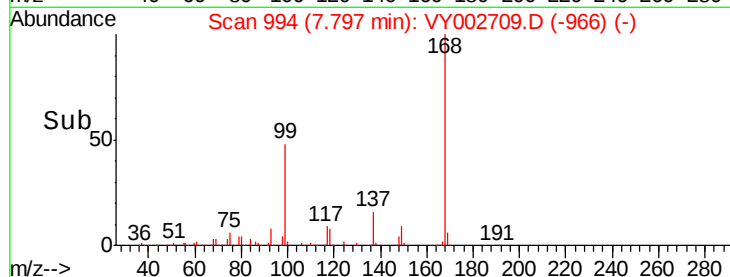
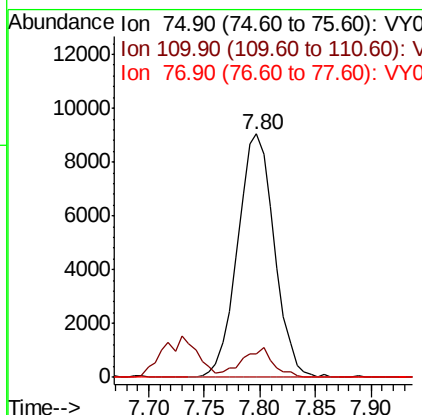
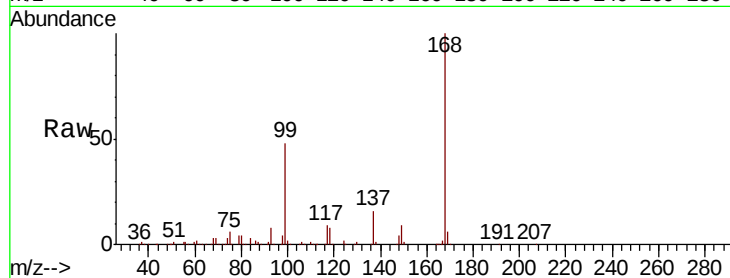




#36
 1,1-Dichloropropene
 Concen: 4.554 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002709.D
 Acq: 18 May 2020 14:46

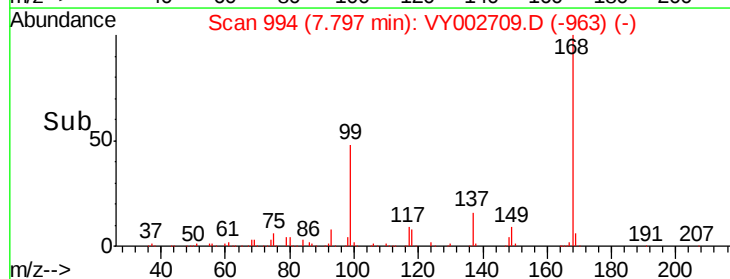
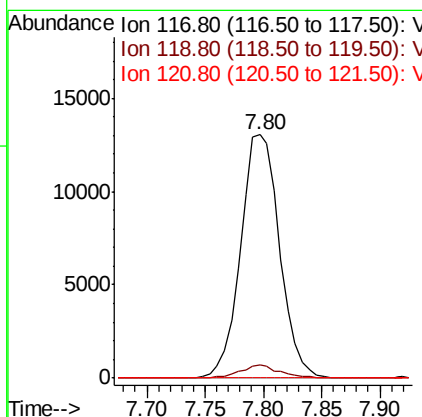
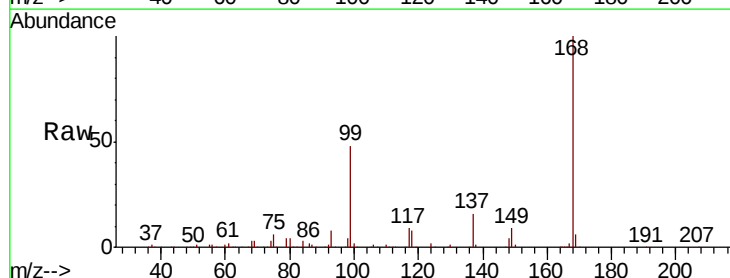
Instrument :
 MSVOA_Y
 ClientSampleId :

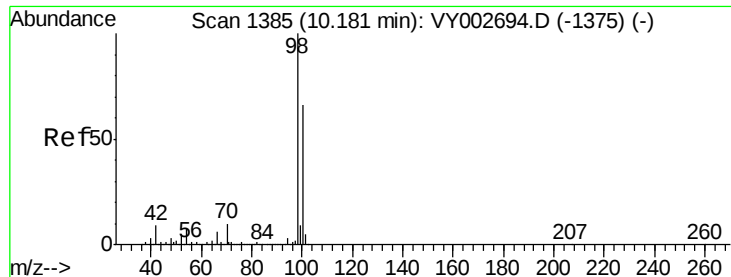
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.4	58.4#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.231 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002709.D
 Acq: 18 May 2020 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.3	114.5#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 51.766 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

Instrument :

MSVOA_Y

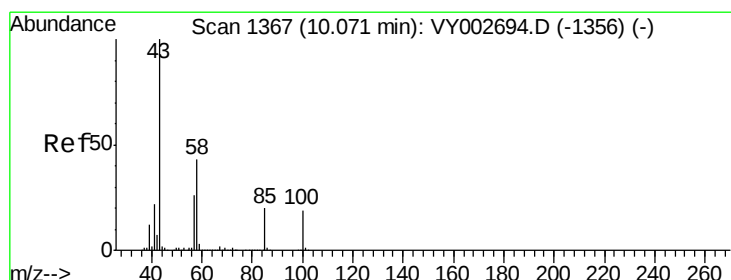
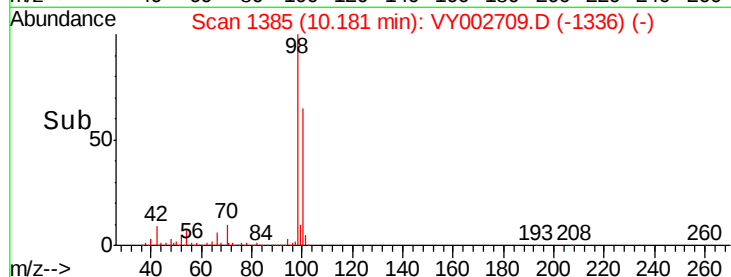
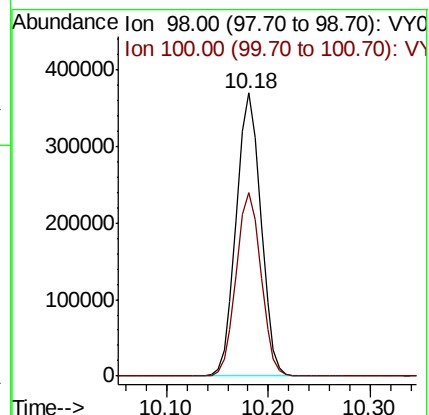
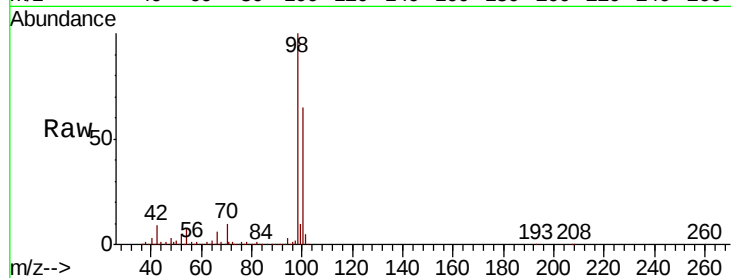
ClientSampleId :

Tot Ion: 98 Resp: 616723

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.029 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY002709.D

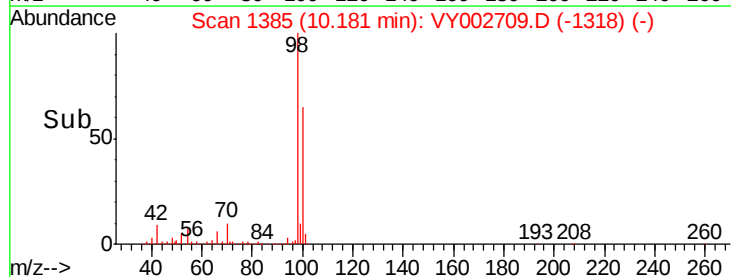
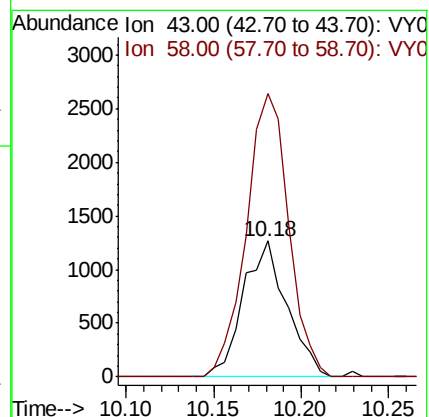
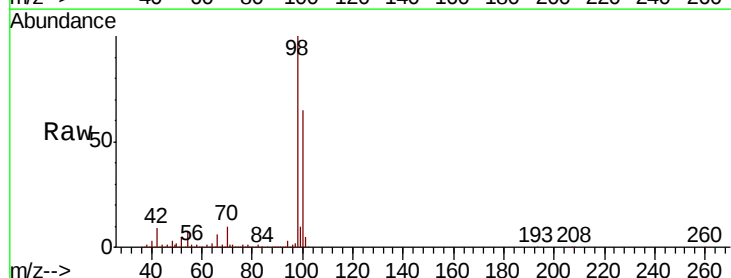
Acq: 18 May 2020 14:46

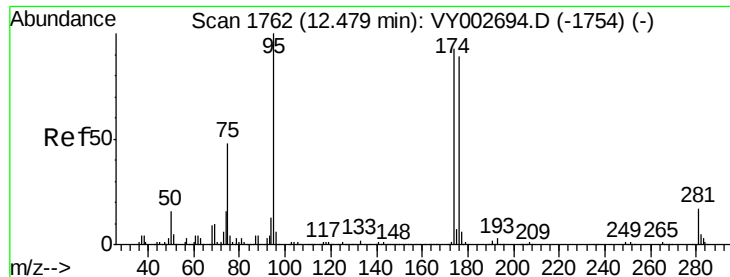
Tgt Ion: 43 Resp: 2204

Ion Ratio Lower Upper

43 100

58 201.7 34.1 51.1#

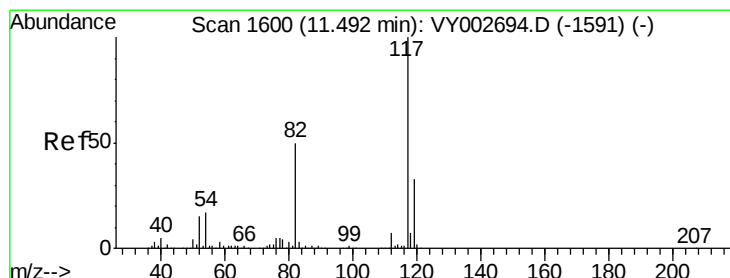
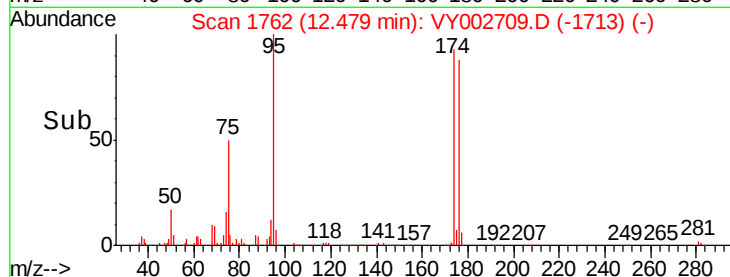
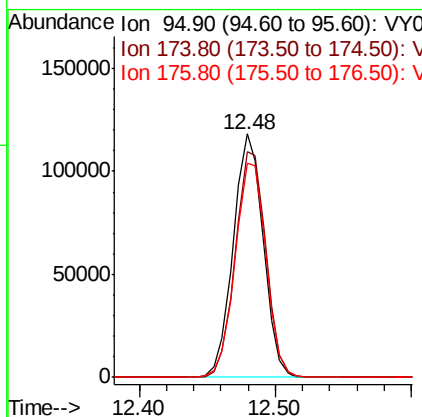
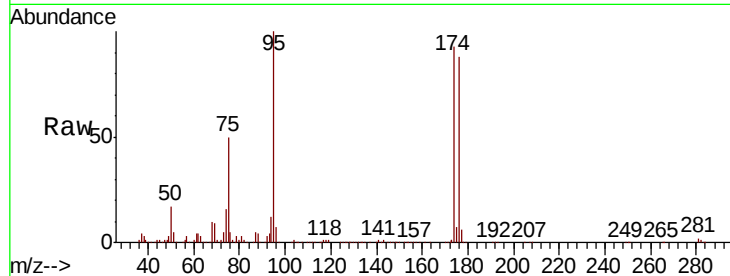




#62
4-Bromofluorobenzene
Concen: 44.265 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY002709.D
Acq: 18 May 2020 14:46

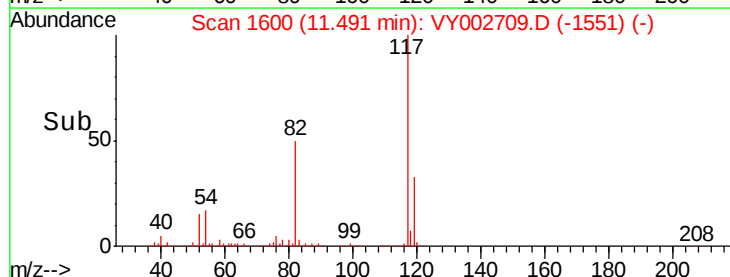
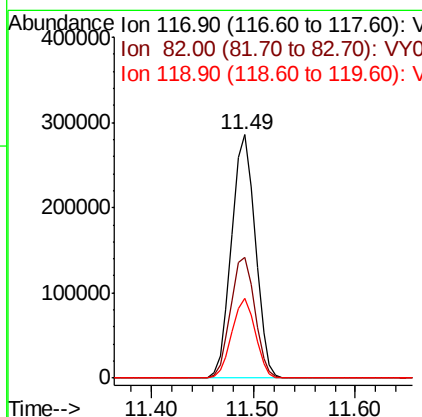
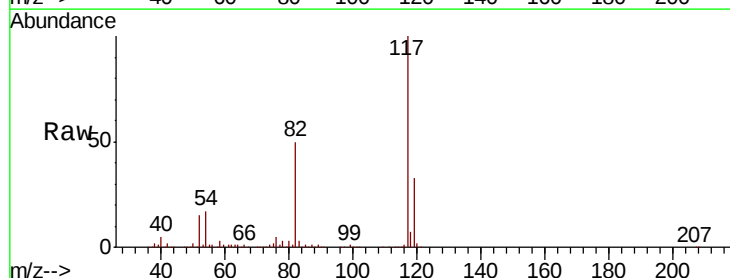
Instrument :
MSVOA_Y
ClientSampleId :

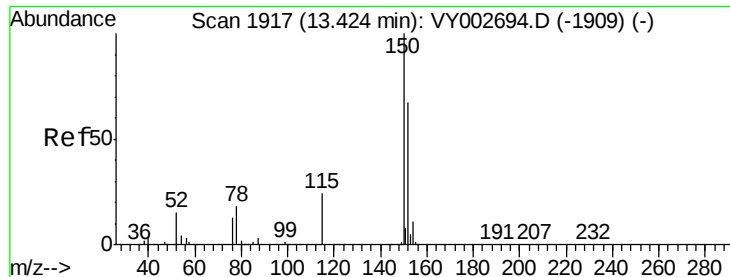
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	191.4
176	90.8	0.0	186.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002709.D
Acq: 18 May 2020 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.8	40.3	60.5
119	32.7	26.2	39.4



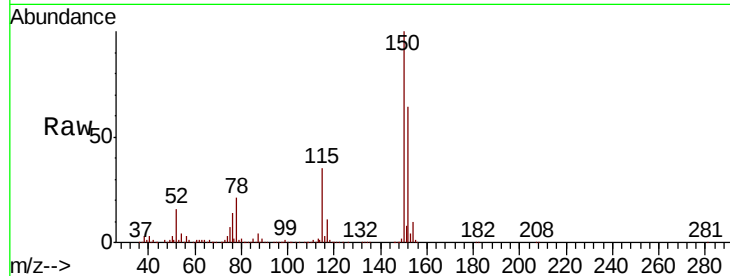


#72

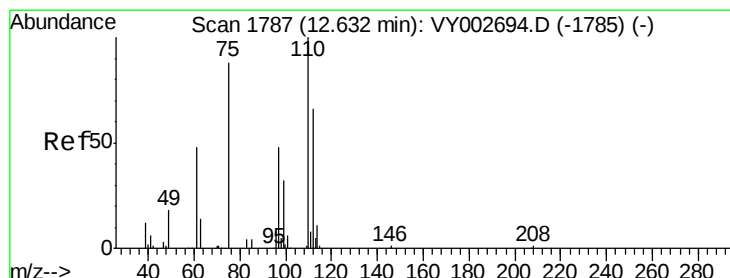
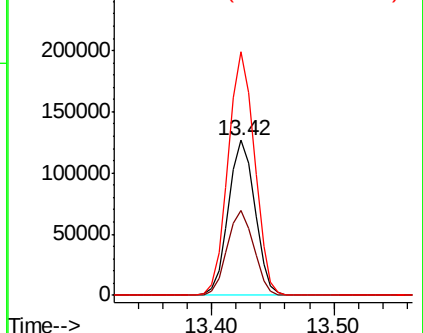
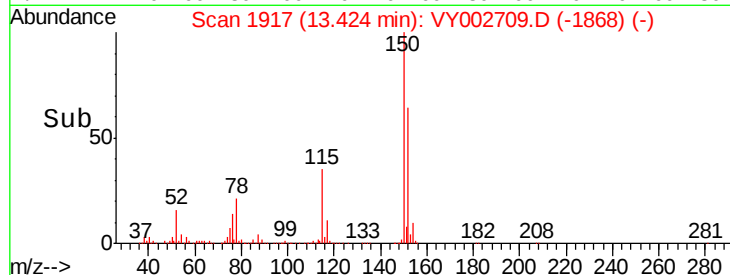
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002709.D
Acq: 18 May 2020 14:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 190530
Ion Ratio Lower Upper
152 100
115 54.8 27.2 81.6
150 156.0 0.0 343.8



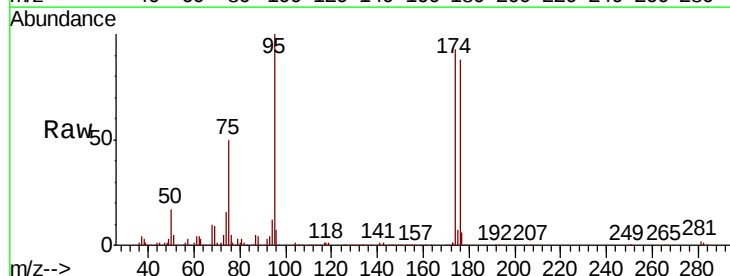
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



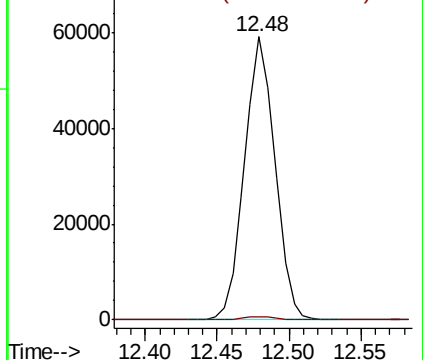
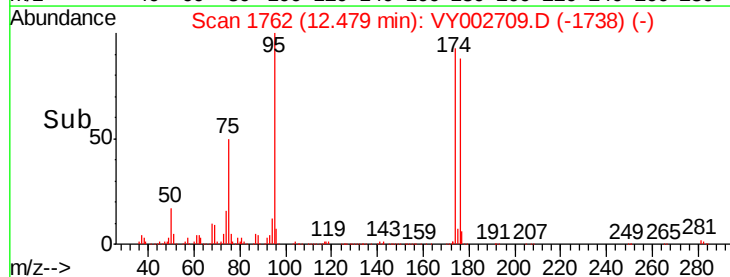
#76

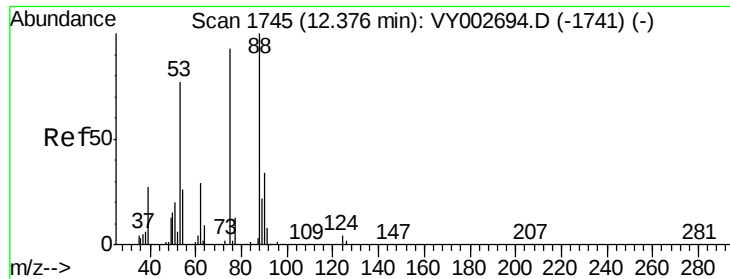
1,2,3-Trichloropropane
Concen: 55.427 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002709.D
Acq: 18 May 2020 14:46

Tgt Ion: 75 Resp: 86751
Ion Ratio Lower Upper
75 100
77 1.5 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: 104.824 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

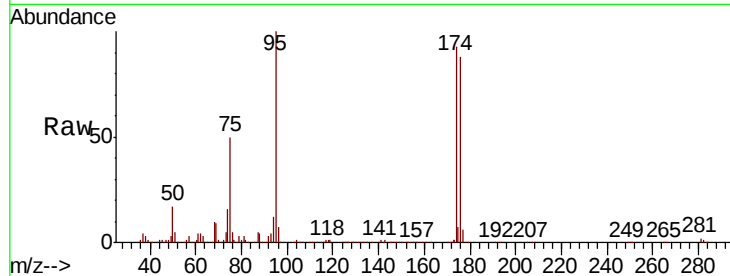
Tot Ion: 75 Resp: 86751

Ion Ratio Lower Upper

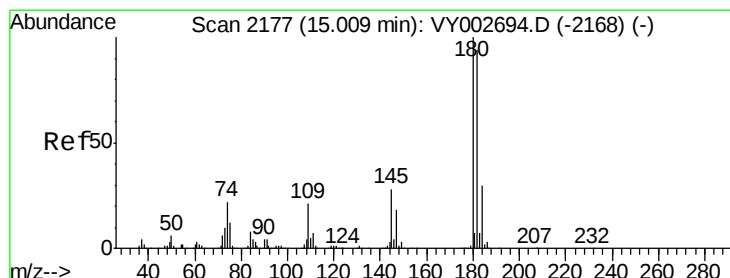
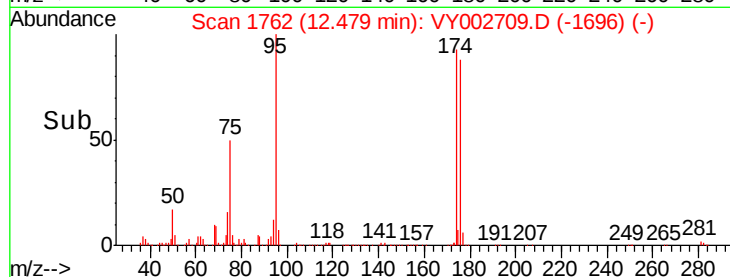
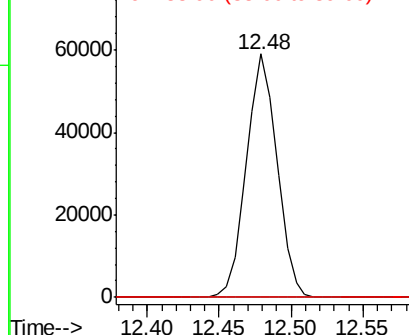
75 100

53 0.0 65.0 97.6#

89 0.1 66.6 99.8#



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



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 15.01 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VY002709.D

Acq: 18 May 2020 14:46

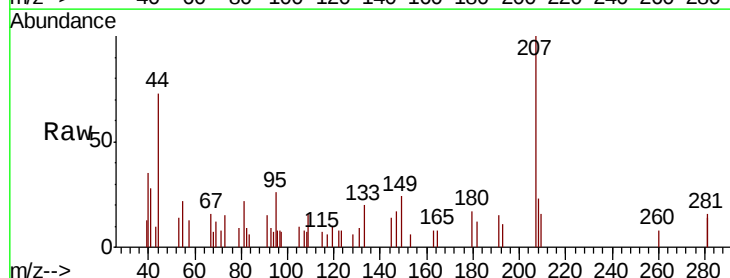
Tgt Ion: 180 Resp: 183

Ion Ratio Lower Upper

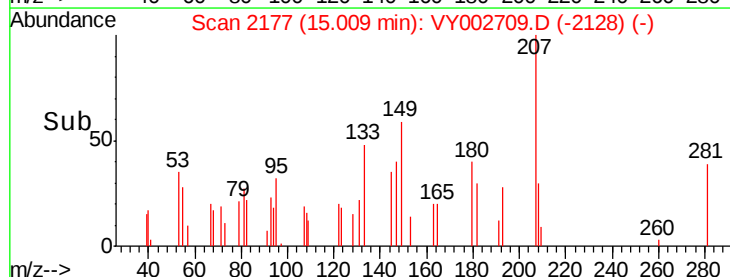
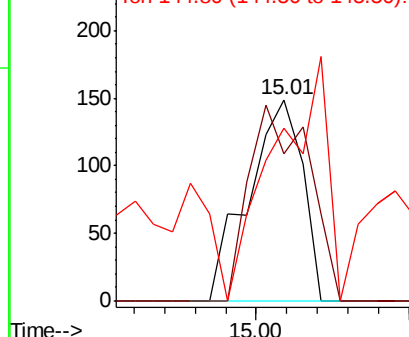
180 100

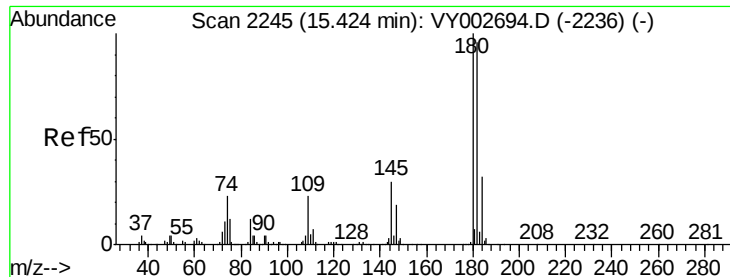
182 107.1 47.3 142.0

145 128.4 14.1 42.2#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

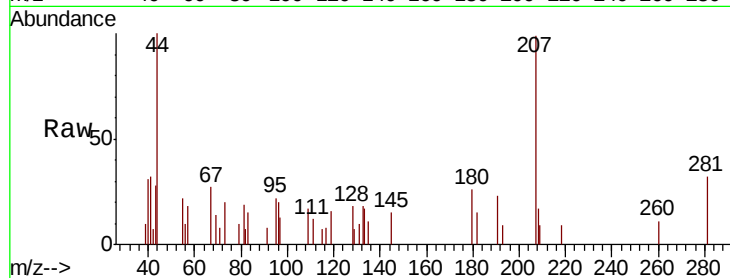




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY002709.D
 Acq: 18 May 2020 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	36.1	47.6	142.9#
145	0.0	15.1	45.3#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

