

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002733.D
 Acq On : 21 May 2020 11:16
 Operator : SY/MD
 Sample : VY0521SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 13:29:08 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	339079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	540471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	243877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	154321	58.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.36%	
35) Dibromofluoromethane	7.72	113	163555	54.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.66%	
50) Toluene-d8	10.18	98	632963	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.48	95	212966	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	

Target Compounds

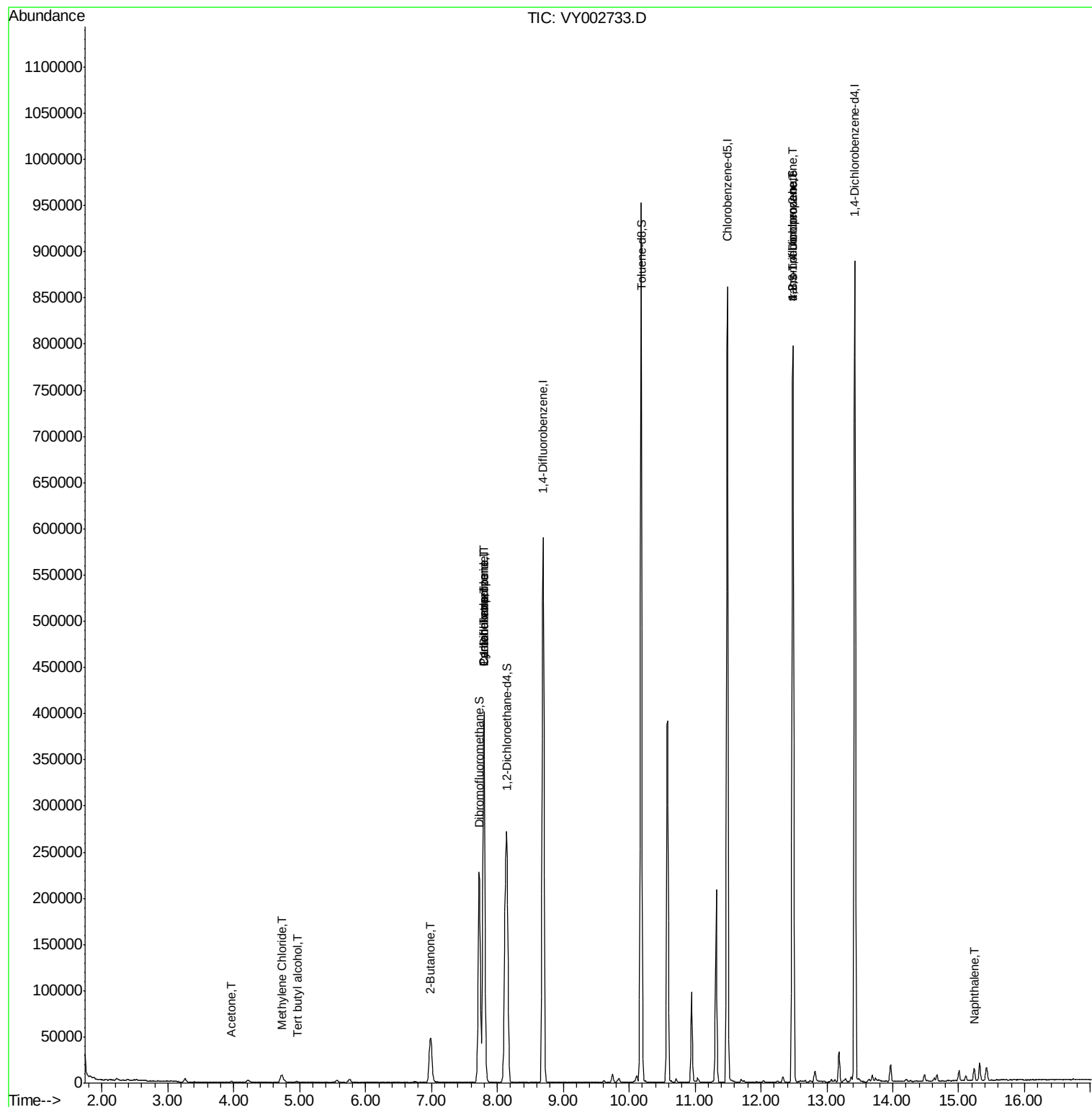
						Qvalue
11) Tert butyl alcohol	4.97	59	1977	7.340	ug/l #	74
16) Acetone	3.96	43	1418	2.593	ug/l #	84
20) Methylene Chloride	4.73	84	6379	1.930	ug/l #	81
25) 2-Butanone	6.99	43	2816	3.113	ug/l #	82
31) Cyclohexane	7.80	56	5150	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20812	4.549	ug/l #	48
38) Carbon Tetrachloride	7.80	117	30077	6.116	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	102311	51.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	102311	96.583	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.01	180	3547	Below Cal		95
94) Hexachlorobutadiene	15.11	225	1205	Below Cal		97
95) Naphthalene	15.23	128	11130	1.173	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	5176	Below Cal		95

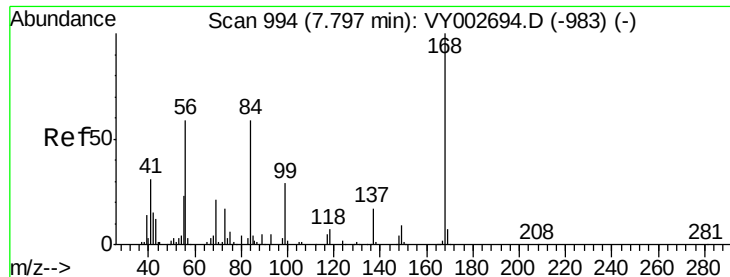
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002733.D

Acq: 21 May 2020 11:16

Instrument :

MSVOA_Y

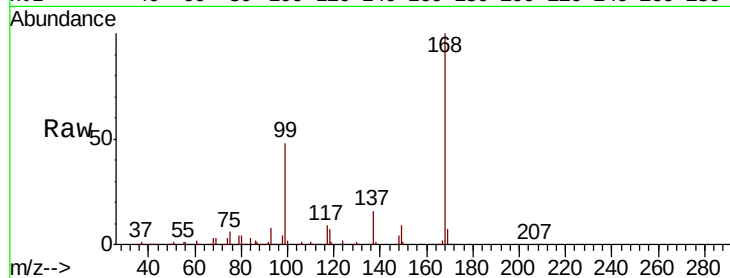
ClientSampled :

Tot Ion:168 Resp: 339079

Ion Ratio Lower Upper

168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002733.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002733.D (-945) (-)

7.80

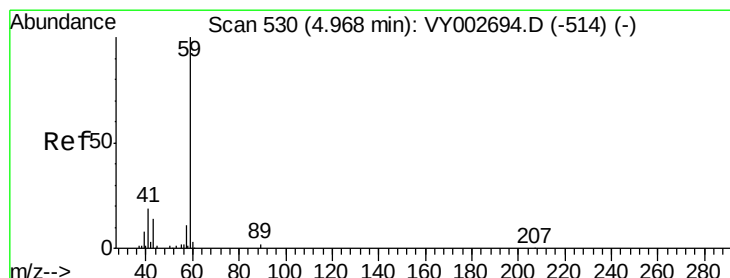
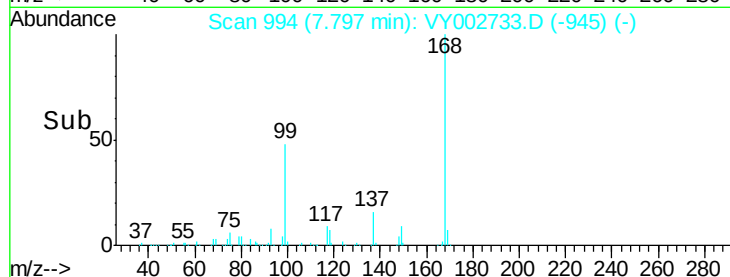
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.340 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY002733.D

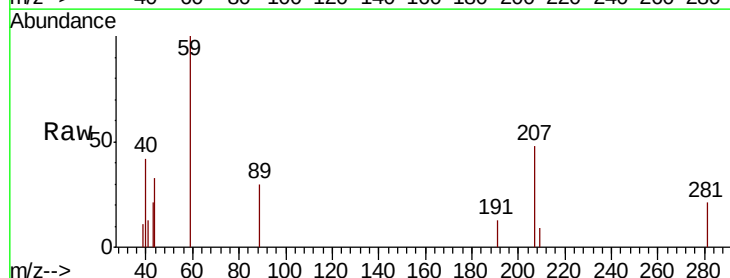
Acq: 21 May 2020 11:16

Tgt Ion: 59 Resp: 1977

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002733.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002733.D (-481) (-)

4.97

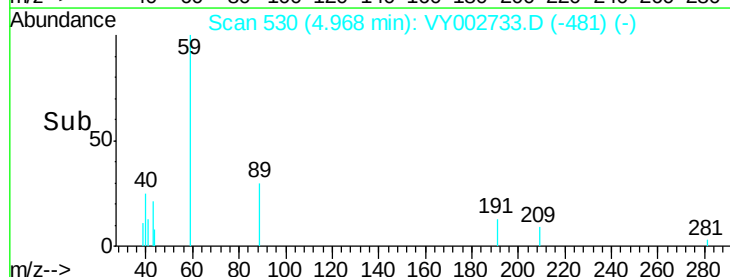
600

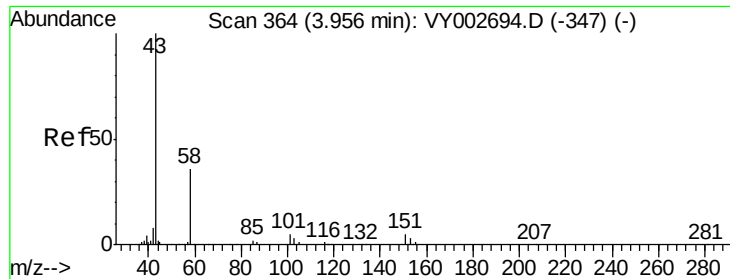
400

200

0

Time-->

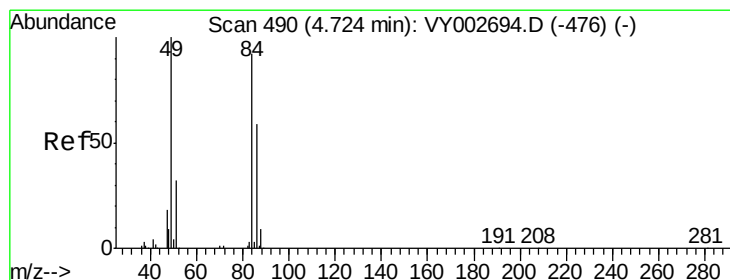
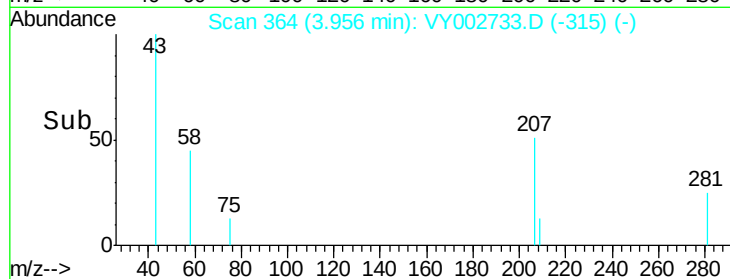
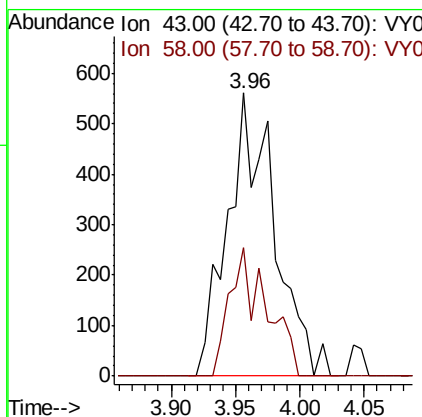
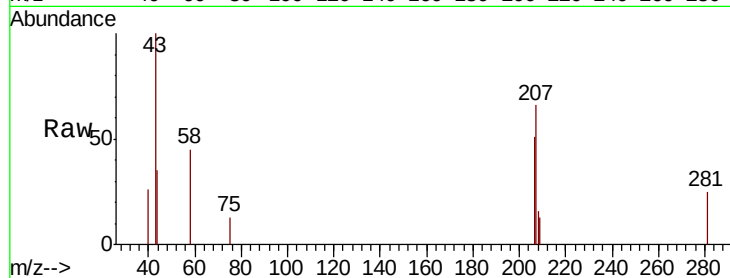




#16
Acetone
Concen: 2.593 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

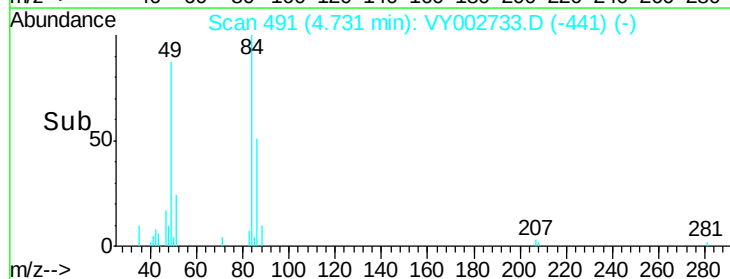
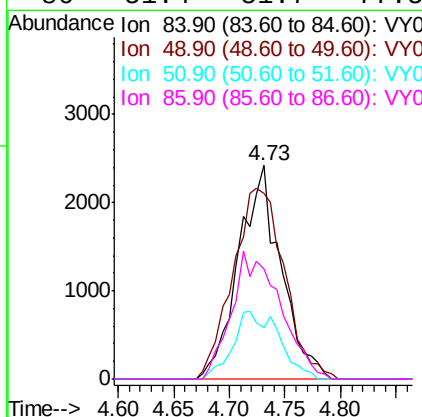
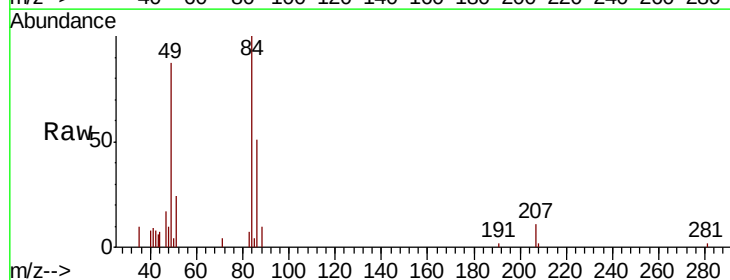
Instrument :
MSVOA_Y
ClientSampled :

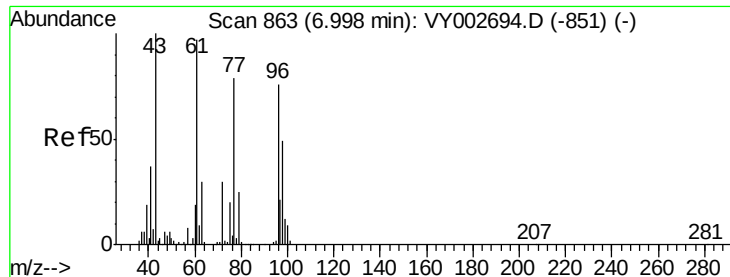
Tot Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
58 45.3 28.6 43.0#



#20
Methylene Chloride
Concen: 1.930 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

Tgt Ion: 84 Resp: 6379
Ion Ratio Lower Upper
84 100
49 87.1 87.4 131.0#
51 23.8 27.9 41.9#
86 51.4 51.7 77.5#

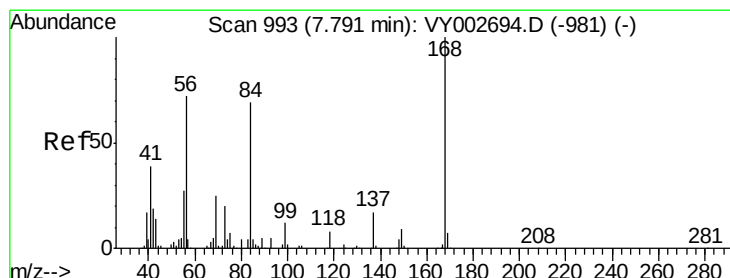
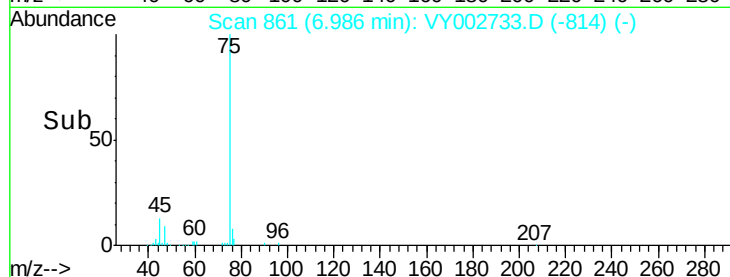
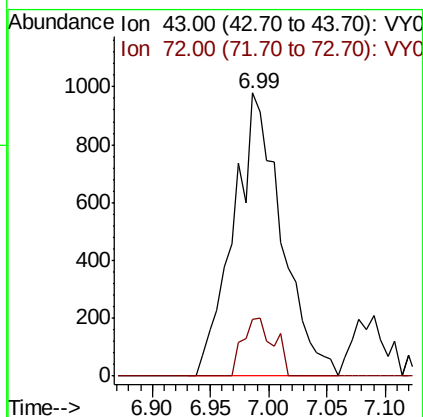
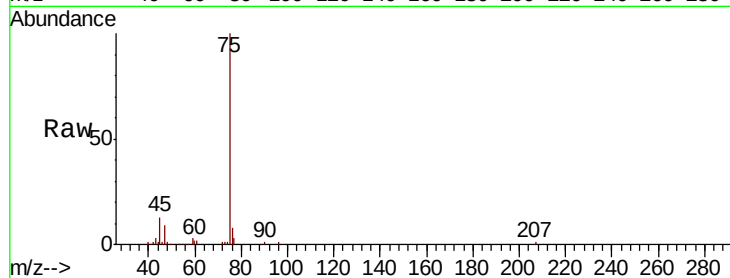




#25
2-Butanone
Concen: 3.113 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

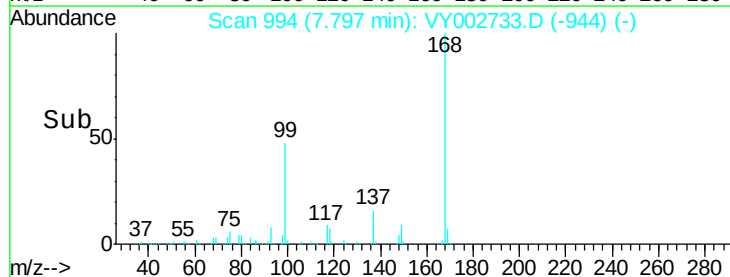
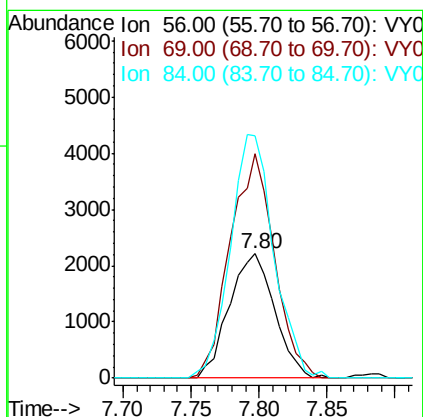
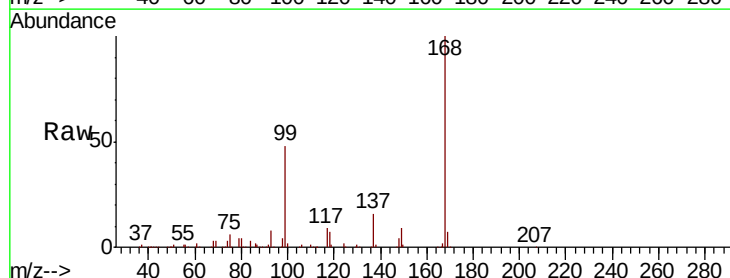
Instrument :
MSVOA_Y
ClientSampleId :

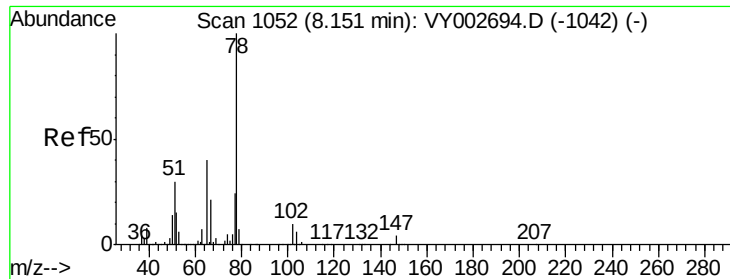
Tot Ion: 43 Resp: 2816
Ion Ratio Lower Upper
43 100
72 20.1 24.1 36.1#



#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

Tgt Ion: 56 Resp: 5150
Ion Ratio Lower Upper
56 100
69 180.6 27.7 41.5#
84 195.1 77.0 115.4#

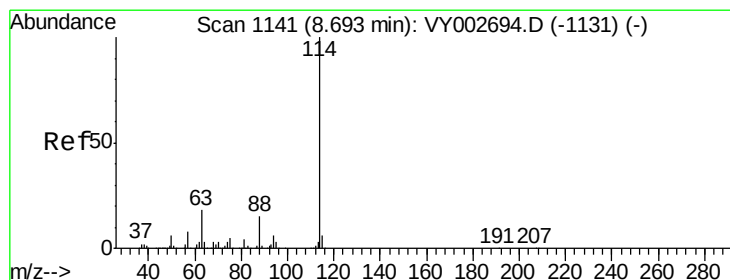
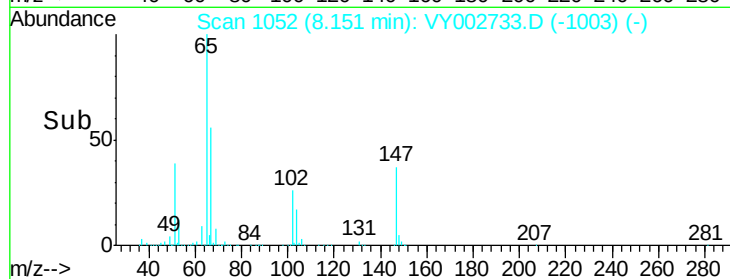
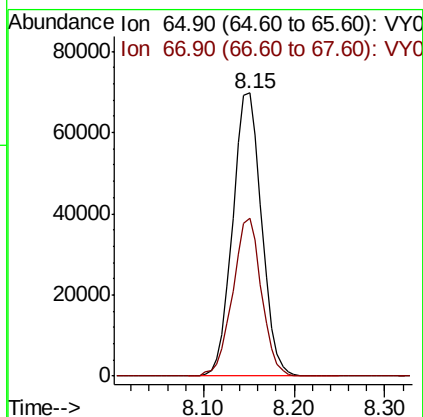
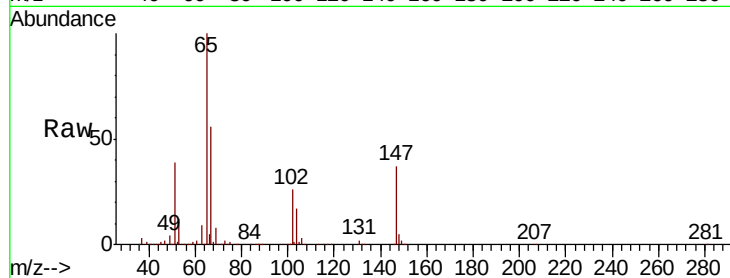




#33
 1,2-Dichloroethane-d4
 Concen: 58.184 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002733.D
 Acq: 21 May 2020 11:16

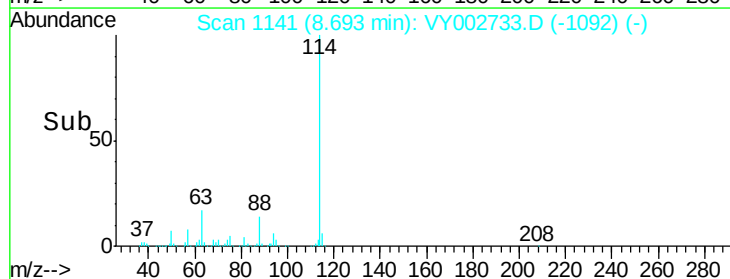
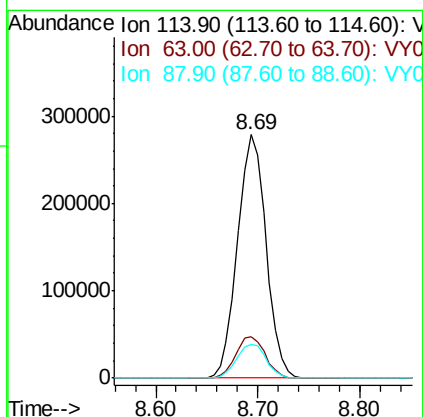
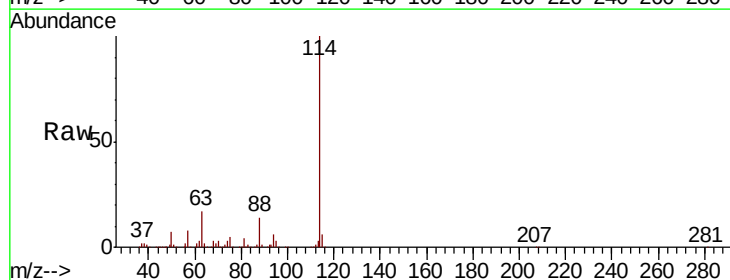
Instrument :
 MSVOA_Y
 ClientSampleId :

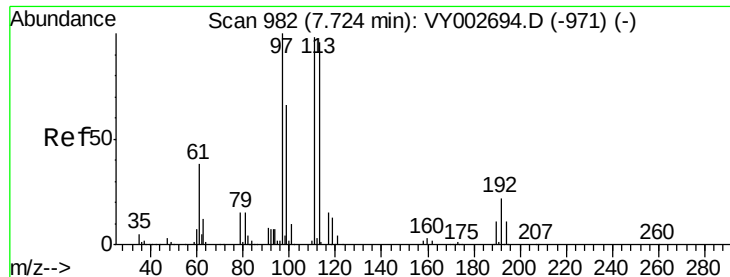
Tot Ion: 65 Resp: 154321
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002733.D
 Acq: 21 May 2020 11:16

Tgt Ion: 114 Resp: 540471
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.4
 88 13.9 0.0 29.4

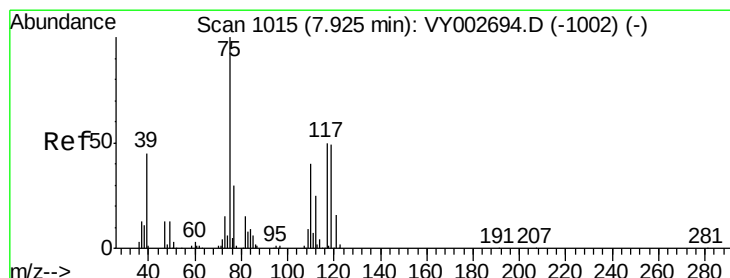
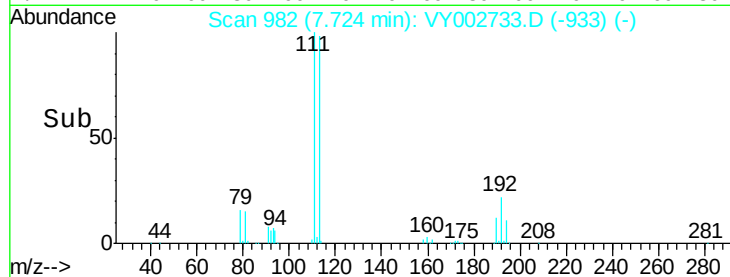
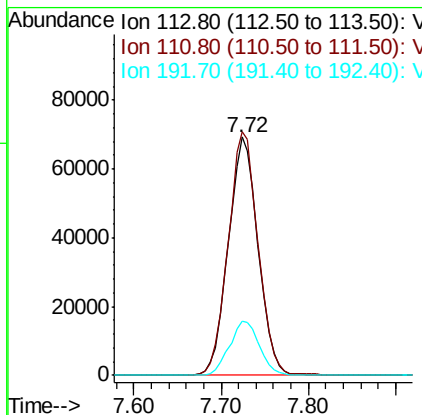
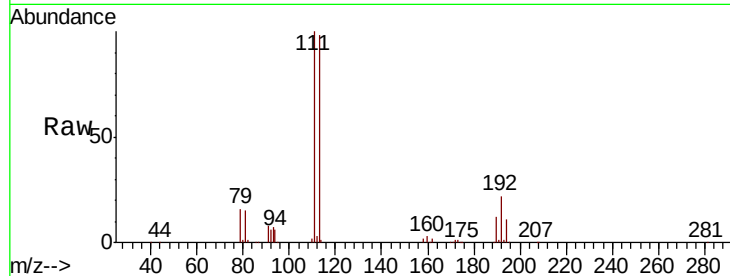




#35
 Dibromofluoromethane
 Concen: 54.834 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY002733.D
 Acq: 21 May 2020 11:16

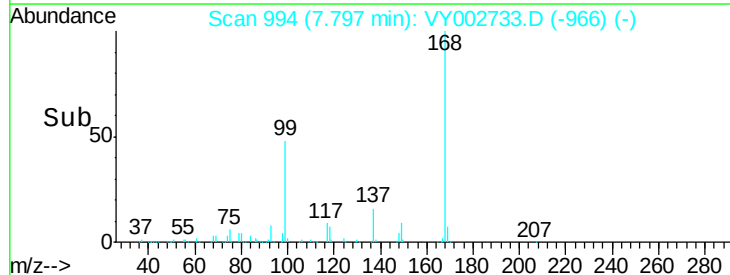
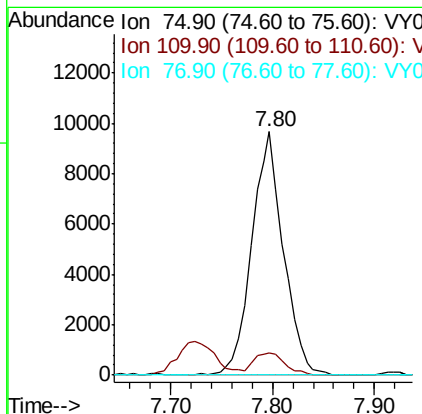
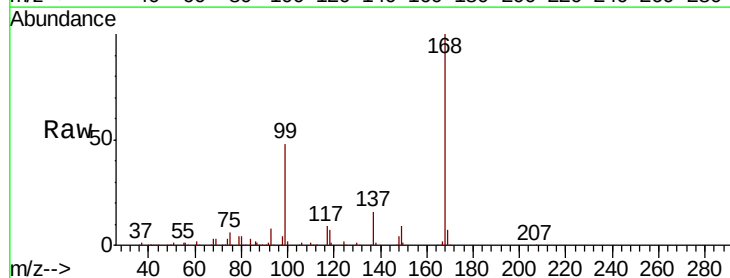
Instrument :
 MSVOA_Y
 ClientSampleId :

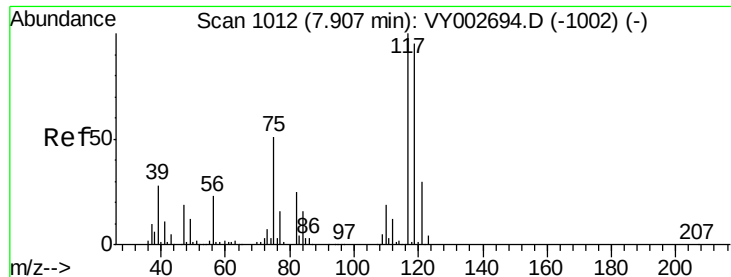
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	22.9	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.549 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002733.D
 Acq: 21 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.4	58.4#
77	0.0	25.0	37.4#

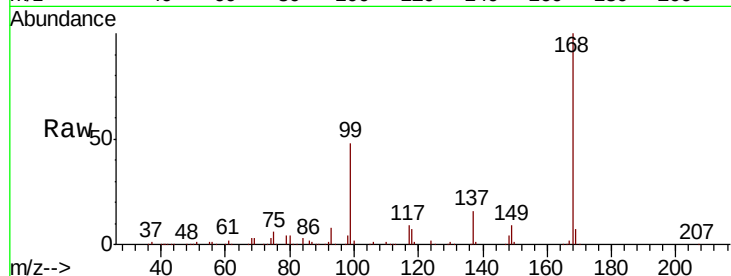




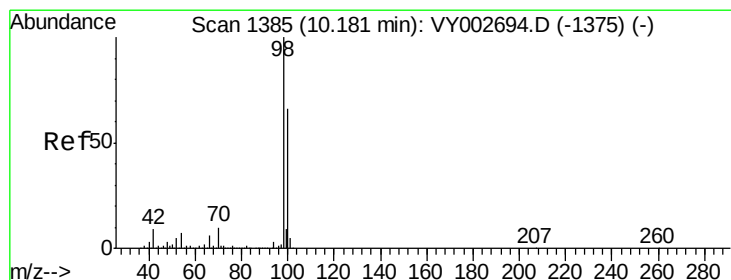
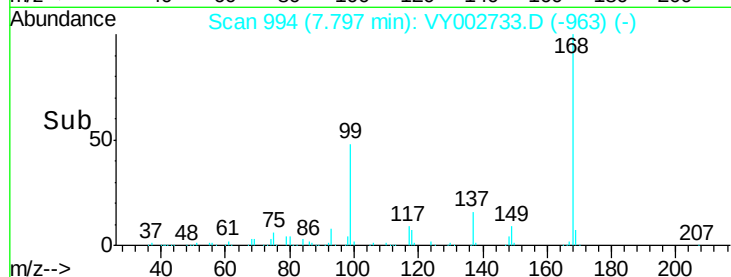
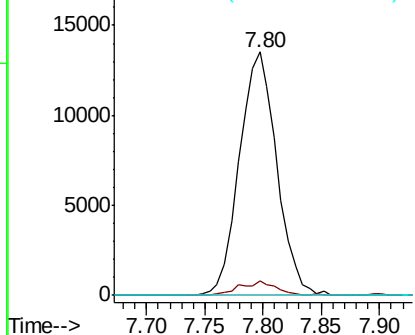
#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 30077
Ion Ratio Lower Upper
117 100
119 5.9 76.3 114.5#
121 0.0 24.2 36.2#

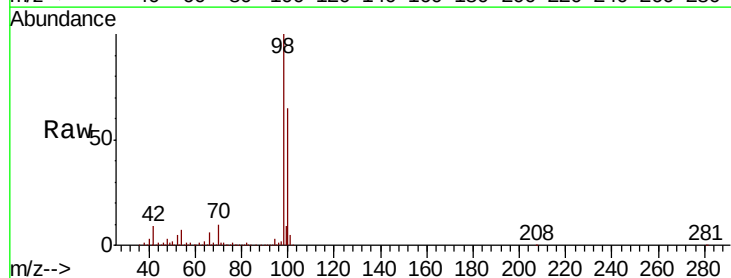


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

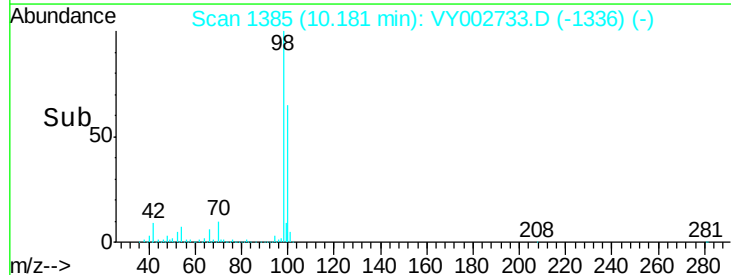
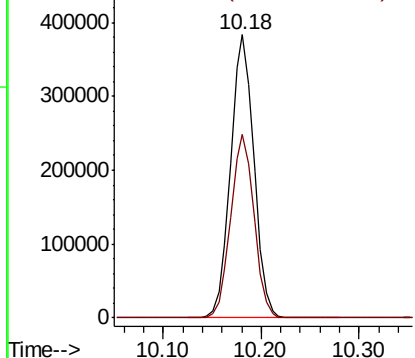


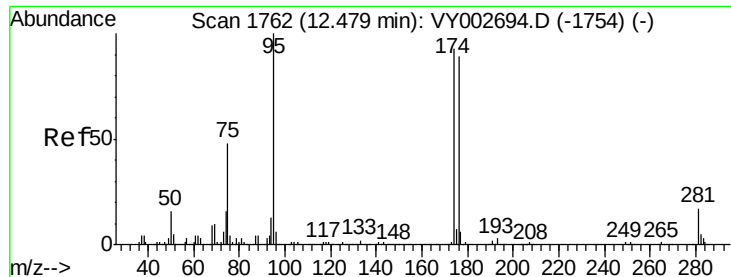
#50
Toluene-d8
Concen: 52.709 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

Tgt Ion: 98 Resp: 632963
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

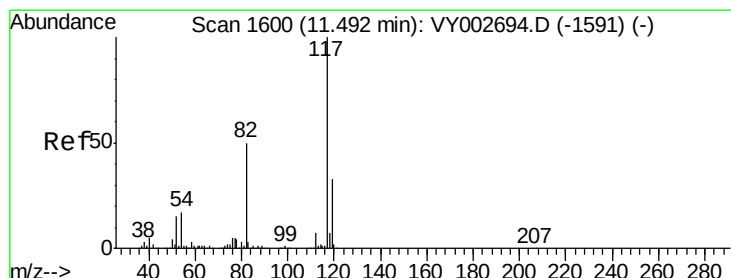
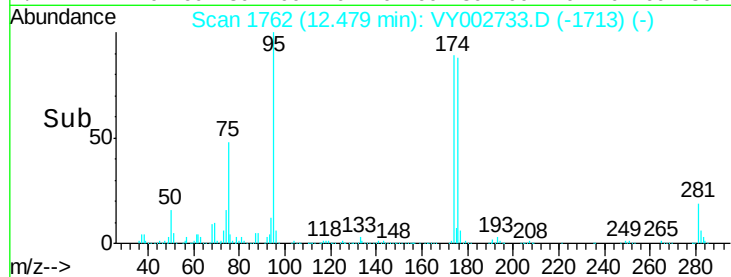
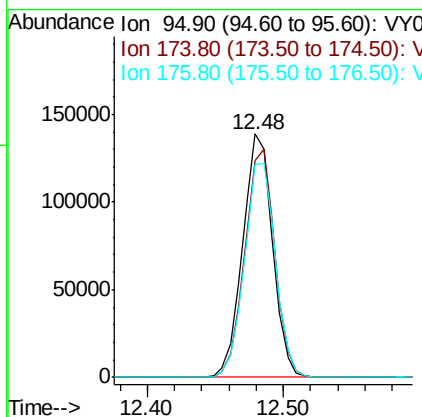
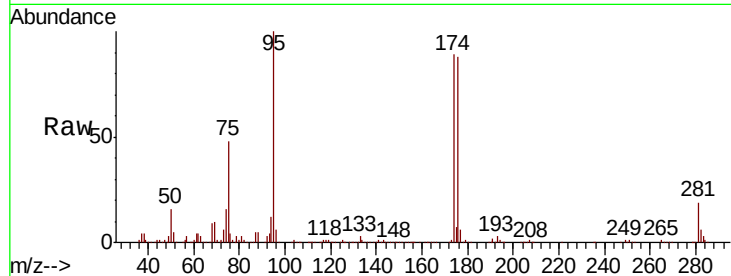




#62
 4-Bromofluorobenzene
 Concen: 51.598 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002733.D
 Acq: 21 May 2020 11:16

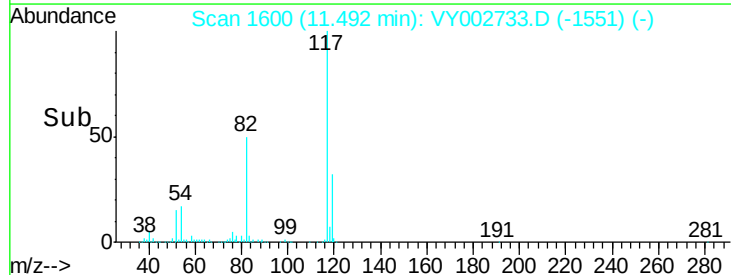
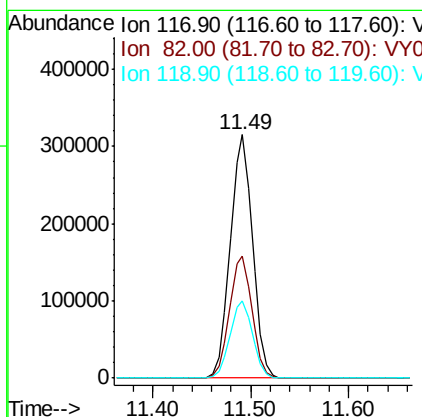
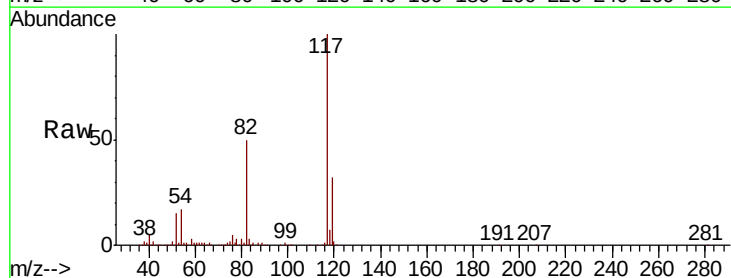
Instrument :
 MSVOA_Y
 ClientSampleId :

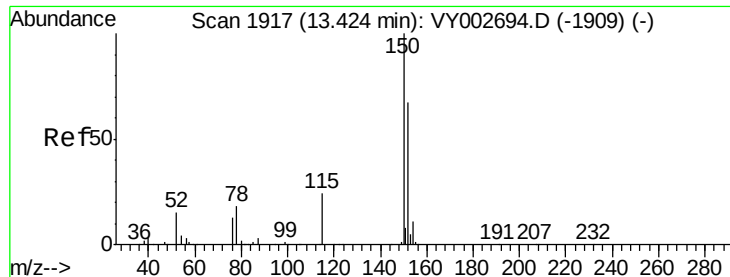
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	191.4
176	91.6	0.0	186.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VY002733.D
 Acq: 21 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.2	40.3	60.5
119	31.8	26.2	39.4



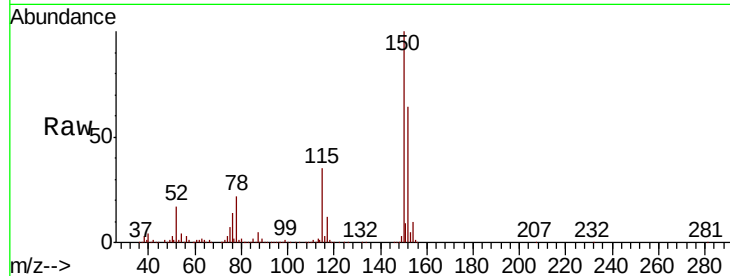


#72

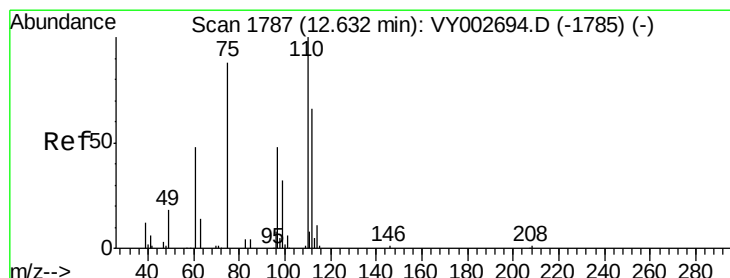
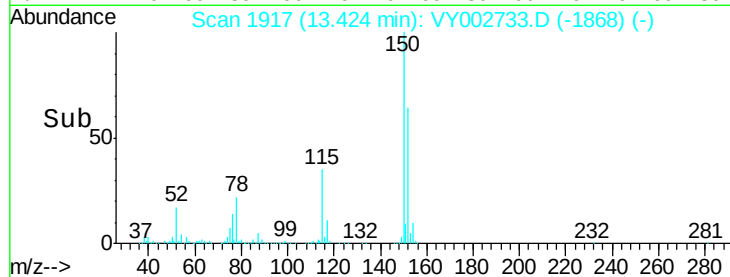
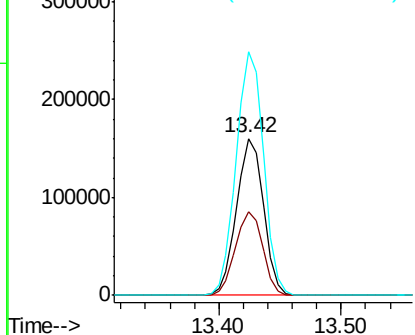
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.2	81.6
150	158.5	0.0	343.8



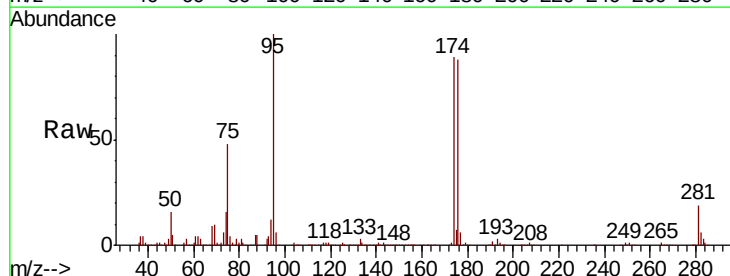
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



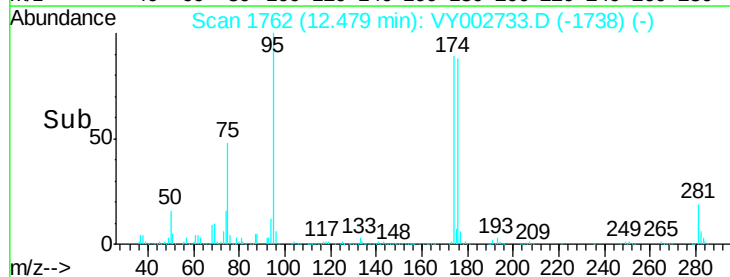
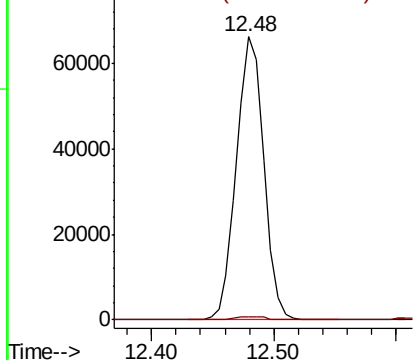
#76

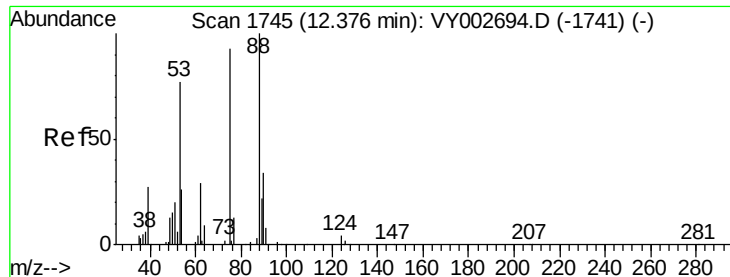
1,2,3-Trichloropropane
Concen: 51.070 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0

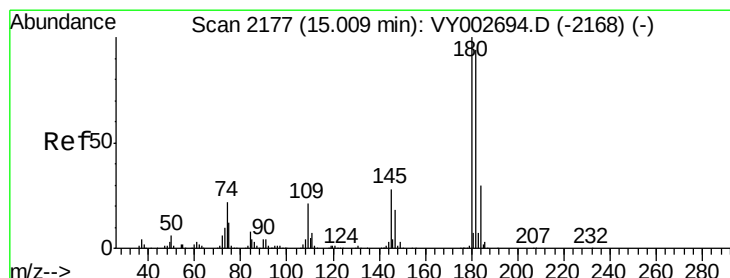
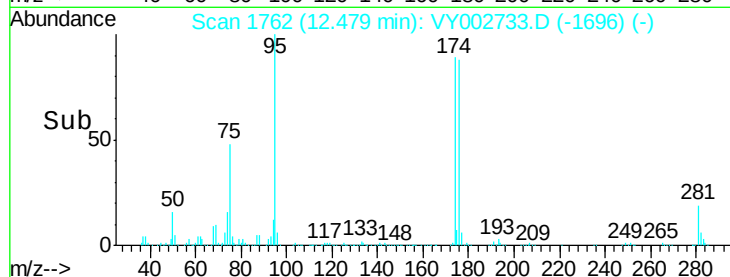
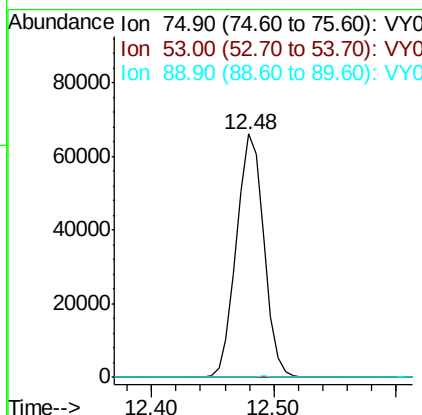
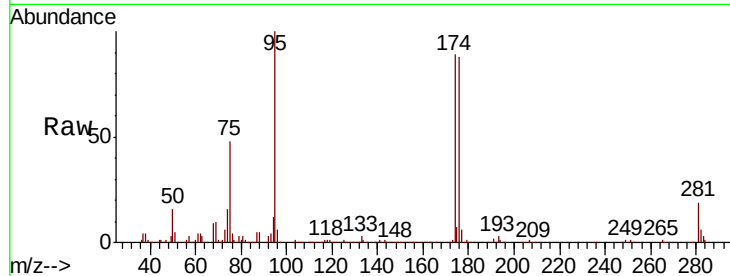




#81
trans-1,4-Dichloro-2-butene
Concen: 96.583 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

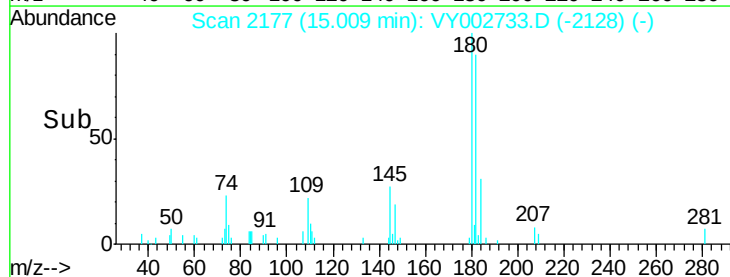
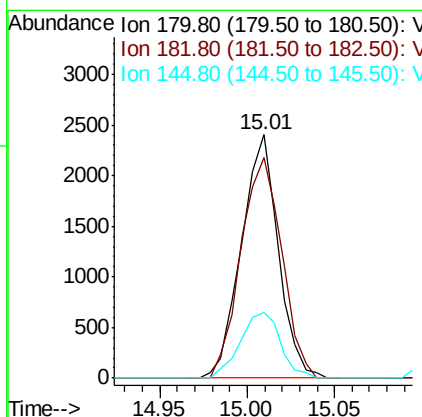
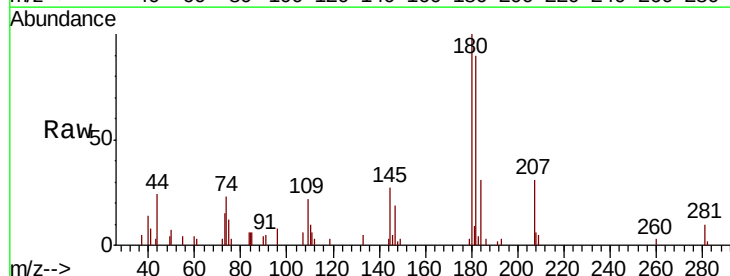
Instrument :
MSVOA_Y
ClientSampled :

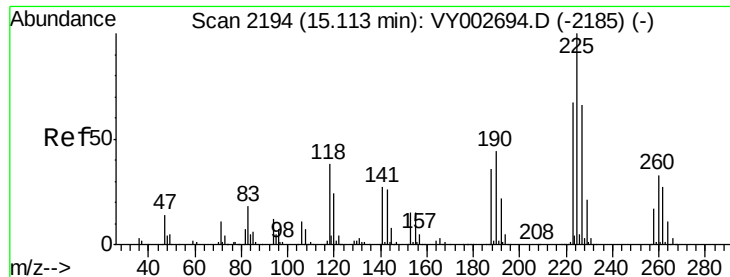
Tot Ion: 75 Resp: 102311
Ion Ratio Lower Upper
75 100
53 0.0 65.0 97.6#
89 0.0 66.6 99.8#



#93
1,2,4-Trichlorobenzene
Concen: Below Cal
RT: 15.01 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VY002733.D
Acq: 21 May 2020 11:16

Tgt Ion:180 Resp: 3547
Ion Ratio Lower Upper
180 100
182 100.1 47.3 142.0
145 29.7 14.1 42.2





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.11 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VY002733.D

Acq: 21 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

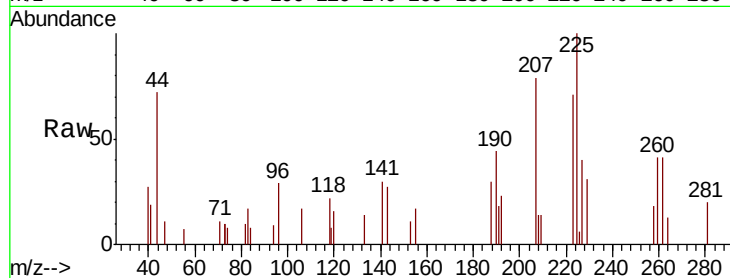
Tot Ion:225 Resp: 1205

Ion Ratio Lower Upper

225 100

223 65.4 31.6 94.8

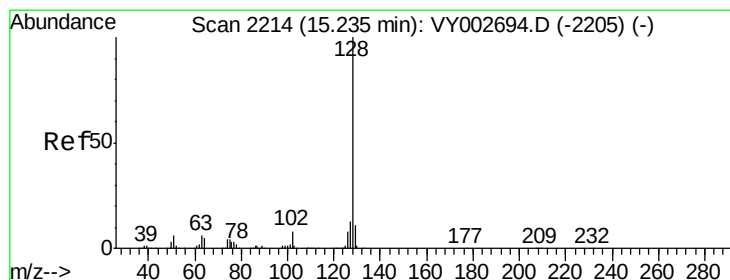
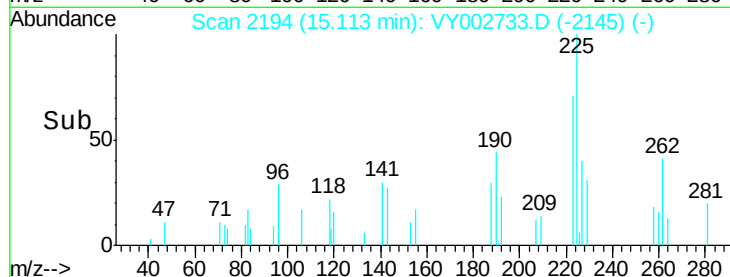
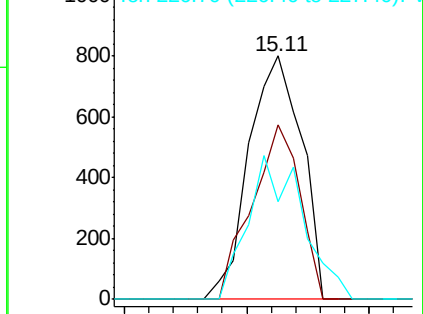
227 61.2 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.173 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002733.D

Acq: 21 May 2020 11:16

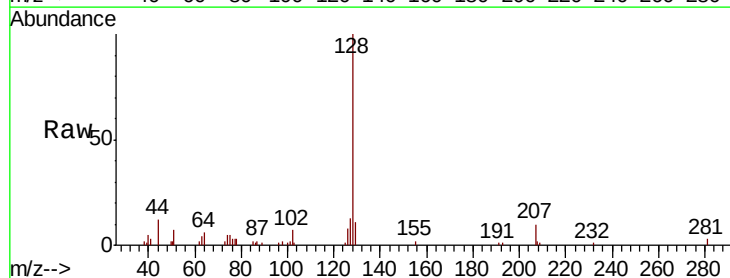
Tgt Ion:128 Resp: 11130

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

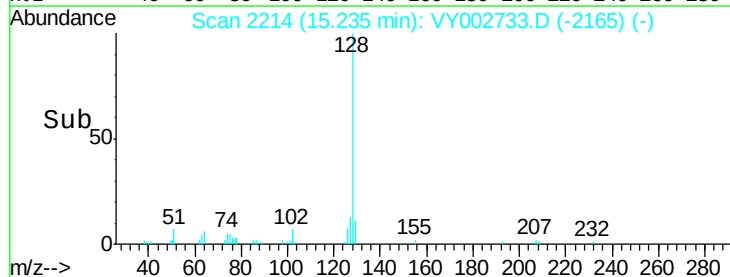
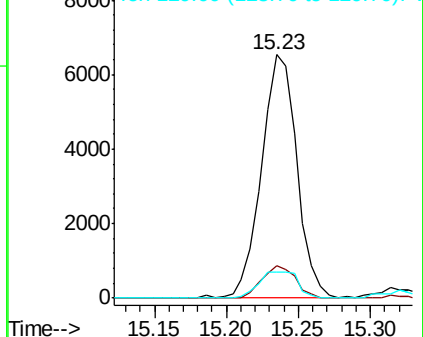
129 12.0 8.7 13.1

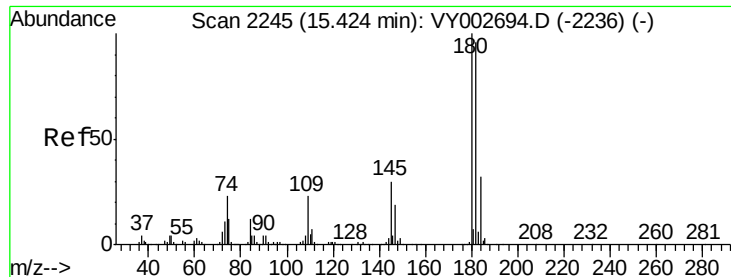


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002733.D

Acq: 21 May 2020 11:16

Instrument :

MSVOA_Y

ClientSampleId :

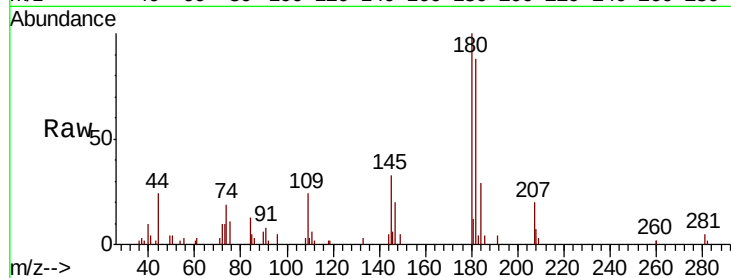
Tot Ion:180 Resp: 5176

Ion Ratio Lower Upper

180 100

182 89.1 47.6 142.9

145 31.4 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

