

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002720.D
 Acq On : 20 May 2020 10:42
 Operator : SY/MD
 Sample : VY0520SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 02:42:12 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	372736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	583011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	524091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	261135	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	165503	56.77	ug/l	0.00
Spiked Amount			Recovery	=	113.54%	
35) Dibromofluoromethane	7.72	113	176335	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
50) Toluene-d8	10.18	98	678822	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.48	95	230235	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	

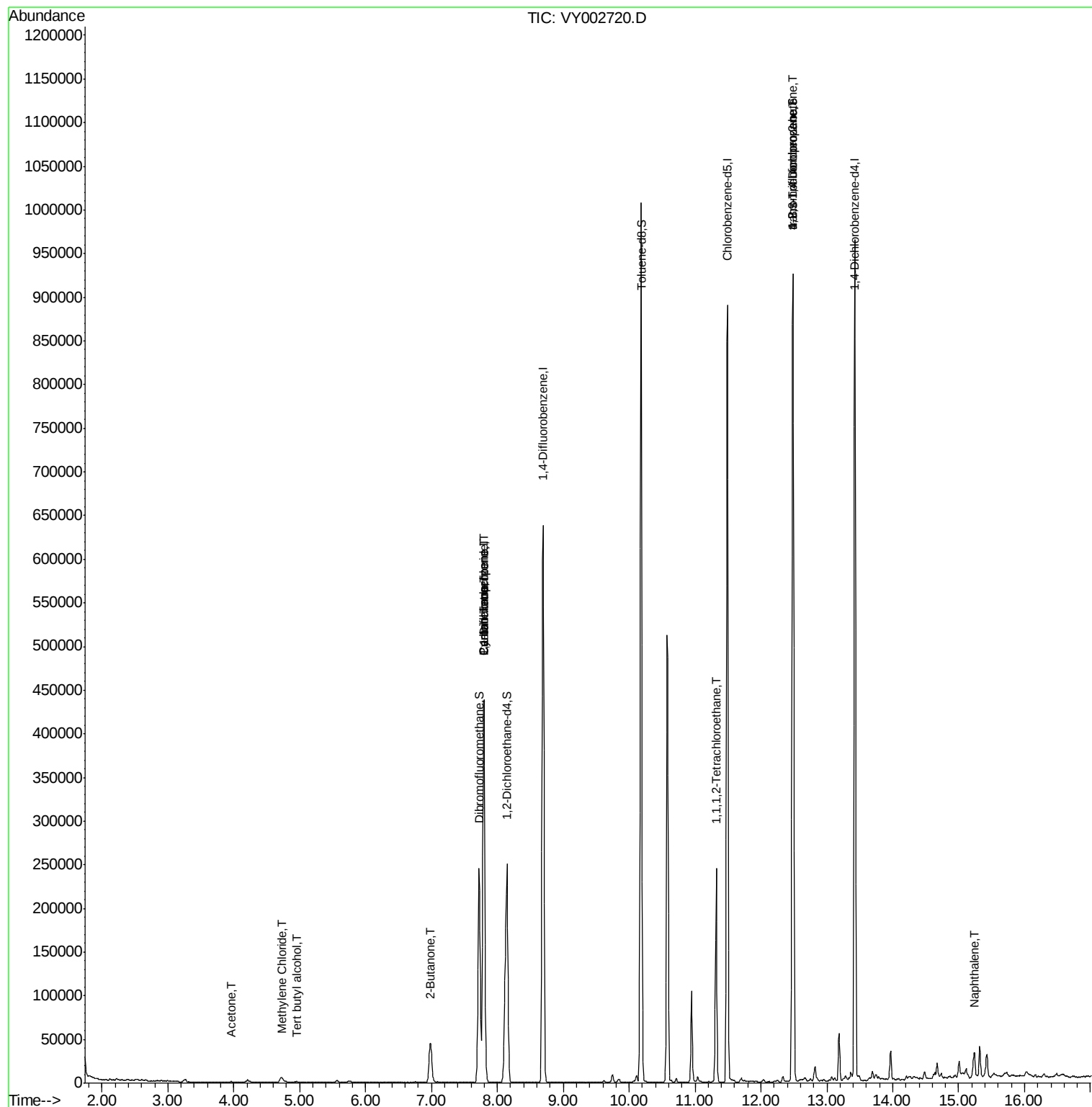
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1381	4.664	ug/l #	84
16) Acetone	3.96	43	1525	2.537	ug/l #	82
20) Methylene Chloride	4.72	84	4257	1.172	ug/l #	89
25) 2-Butanone	6.98	43	2458	2.472	ug/l #	83
31) Cyclohexane	7.79	56	5732	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	22701	4.600	ug/l #	48
38) Carbon Tetrachloride	7.80	117	32604	6.147	ug/l #	15
66) 1,1,1,2-Tetrachloroethane	11.32	131	4012	1.067	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	109967	51.263	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	109967	96.950	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.01	180	5937	Below Cal		96
94) Hexachlorobutadiene	15.11	225	1464	Below Cal		92
95) Naphthalene	15.23	128	20481	2.016	ug/l	95
96) 1,2,3-Trichlorobenzene	15.43	180	8834	Below Cal		92

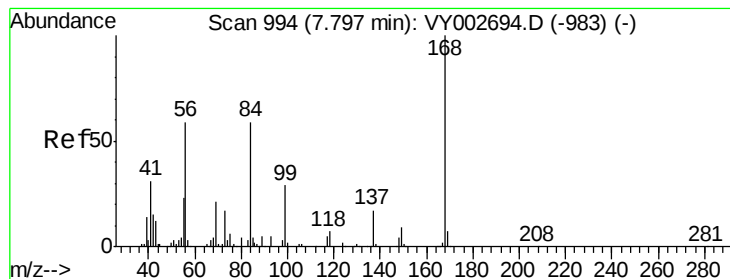
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002720.D

Acq: 20 May 2020 10:42

Instrument :

MSVOA_Y

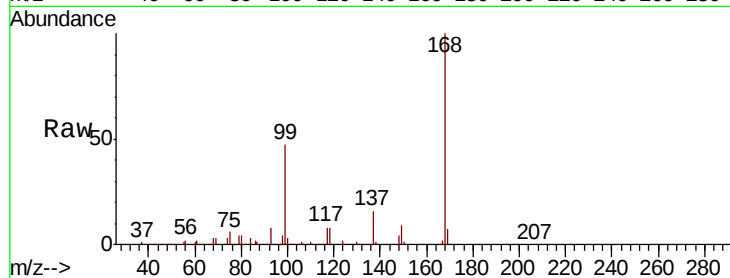
ClientSampleId :

Tot Ion:168 Resp: 372736

Ion Ratio Lower Upper

168 100

99 47.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002720.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002720.D (-945) (-)

7.80

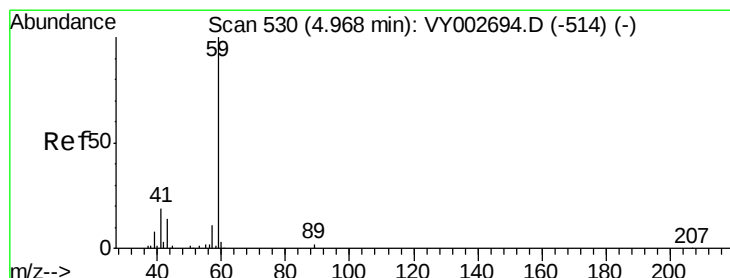
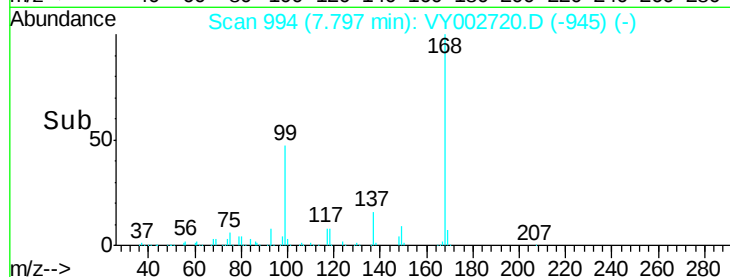
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.664 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY002720.D

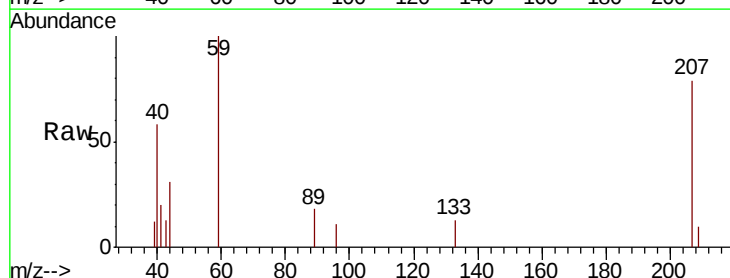
Acq: 20 May 2020 10:42

Tgt Ion: 59 Resp: 1381

Ion Ratio Lower Upper

59 100

57 3.8 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002720.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002720.D (-481) (-)

4.96

600

500

400

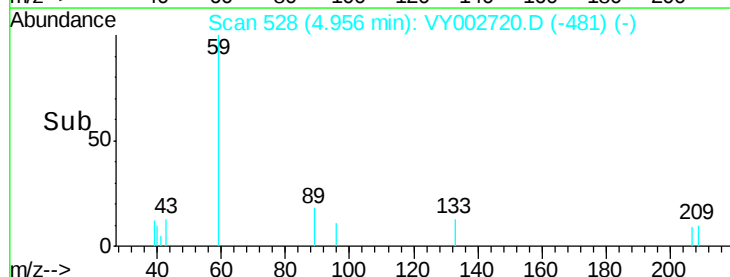
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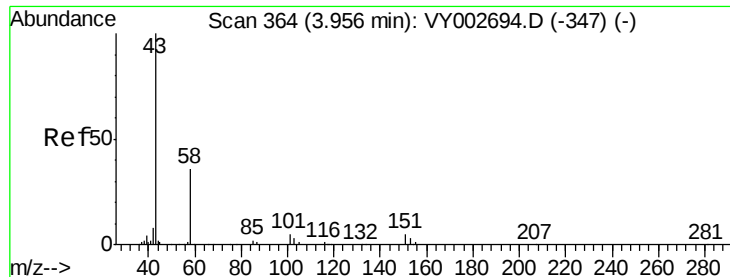
200

100

0

Time-->

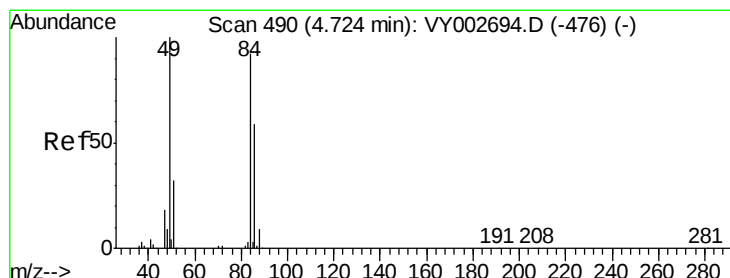
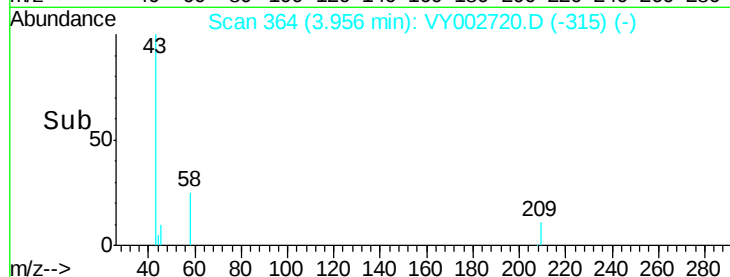
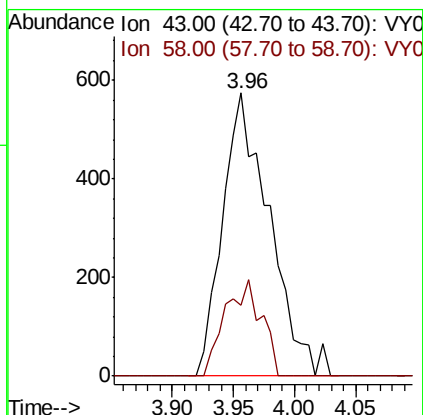
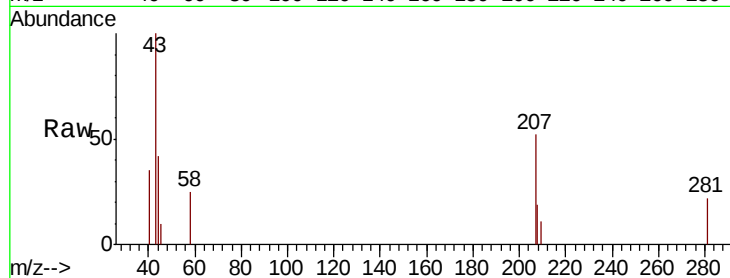




#16
Acetone
Concen: 2.537 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY002720.D
Acq: 20 May 2020 10:42

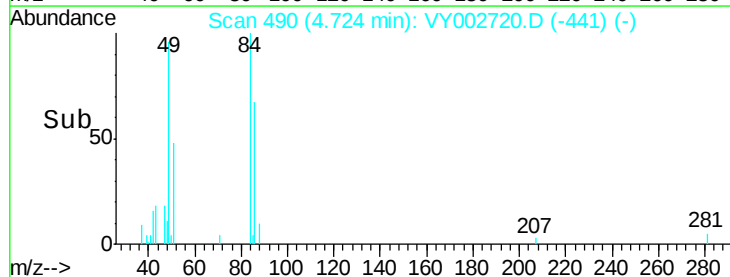
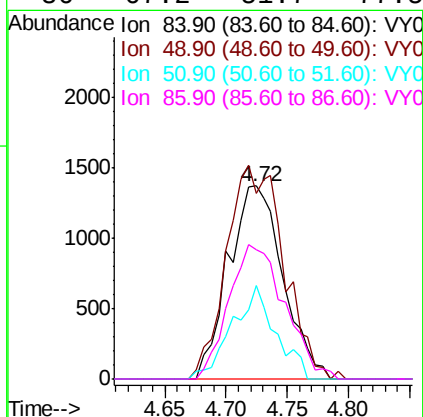
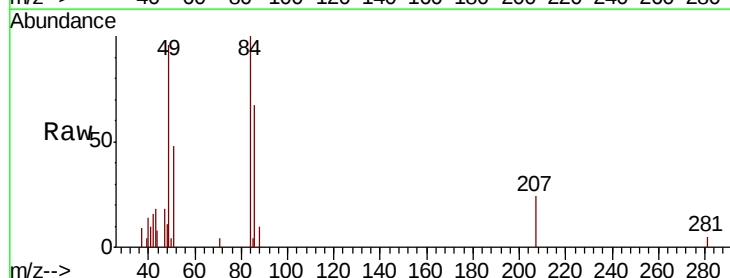
Instrument :
MSVOA_Y
ClientSampleId :

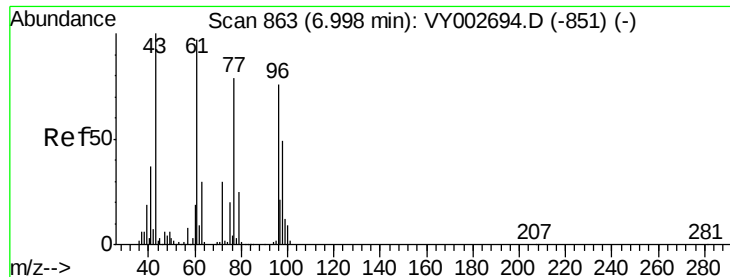
Tot Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
58 25.3 28.6 43.0#



#20
Methylene Chloride
Concen: 1.172 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002720.D
Acq: 20 May 2020 10:42

Tgt Ion: 84 Resp: 4257
Ion Ratio Lower Upper
84 100
49 96.3 87.4 131.0
51 48.2 27.9 41.9#
86 67.2 51.7 77.5

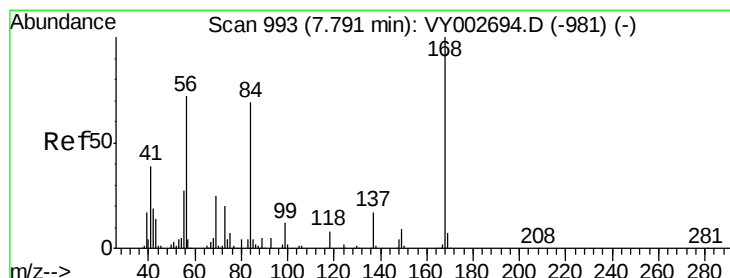
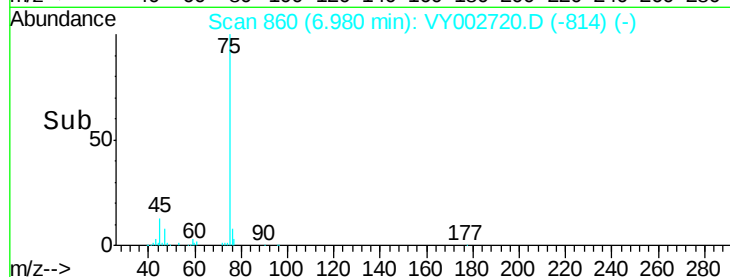
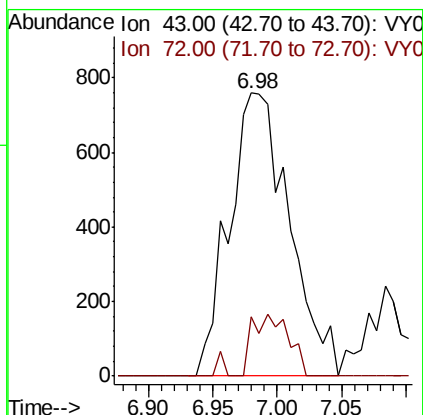
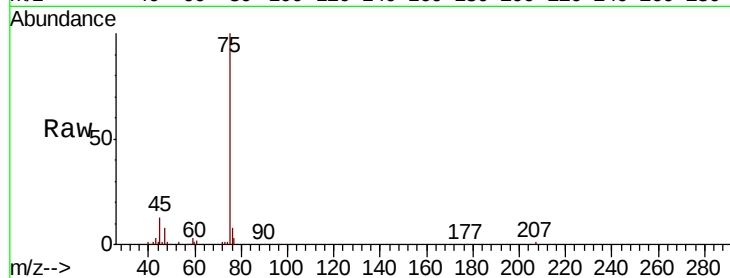




#25
2-Butanone
Concen: 2.472 ug/l
RT: 6.98 min Scan# 860
Delta R.T. -0.02 min
Lab File: VY002720.D
Acq: 20 May 2020 10:42

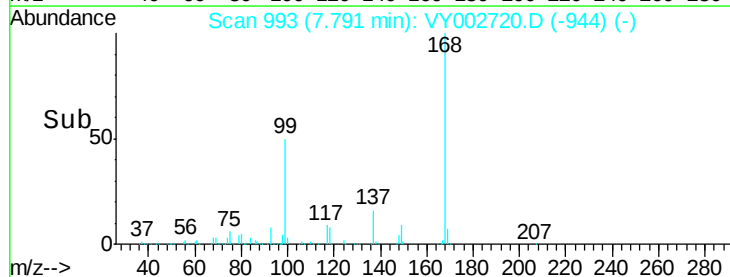
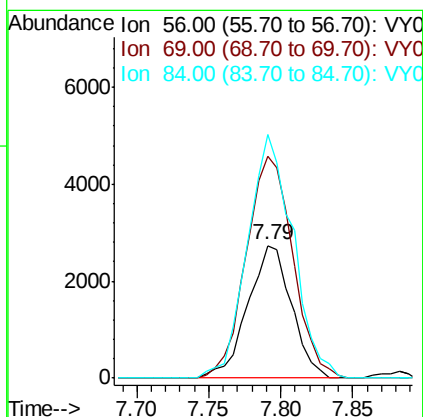
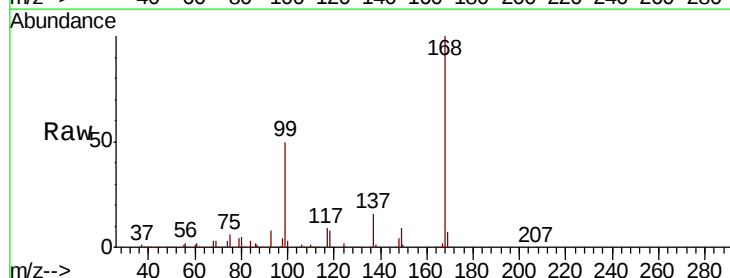
Instrument :
MSVOA_Y
ClientSampleId :

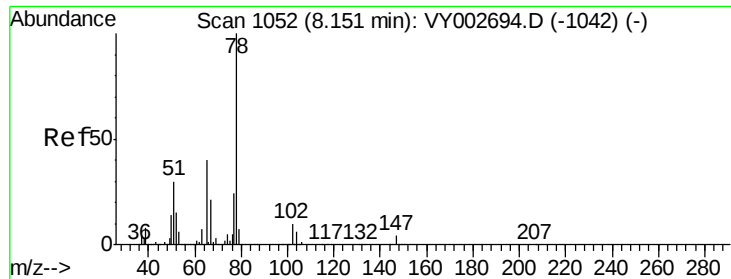
Tot Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
72 20.9 24.1 36.1#



#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY002720.D
Acq: 20 May 2020 10:42

Tgt Ion: 56 Resp: 5732
Ion Ratio Lower Upper
56 100
69 167.6 27.7 41.5#
84 183.9 77.0 115.4#

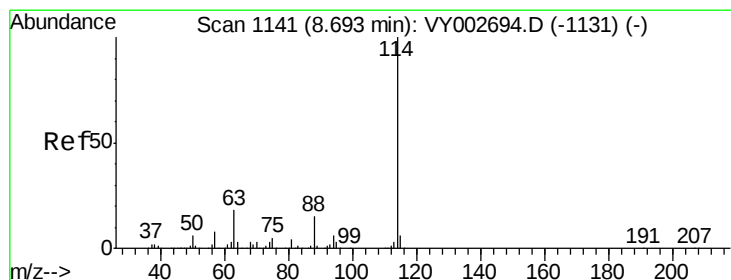
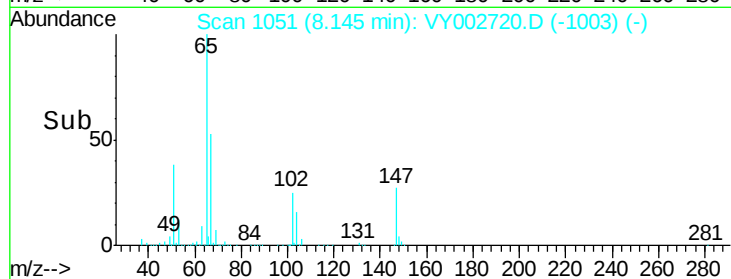
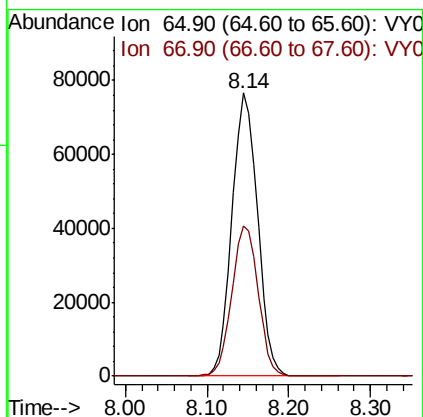
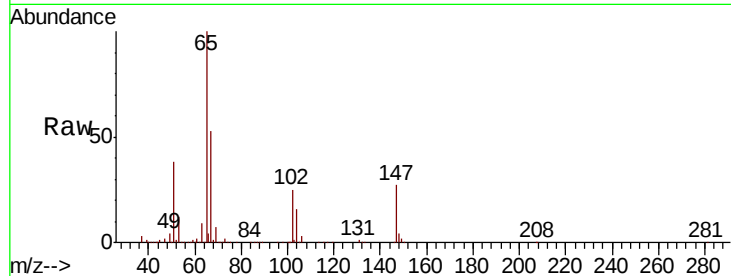




#33
 1,2-Dichloroethane-d4
 Concen: 56.765 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002720.D
 Acq: 20 May 2020 10:42

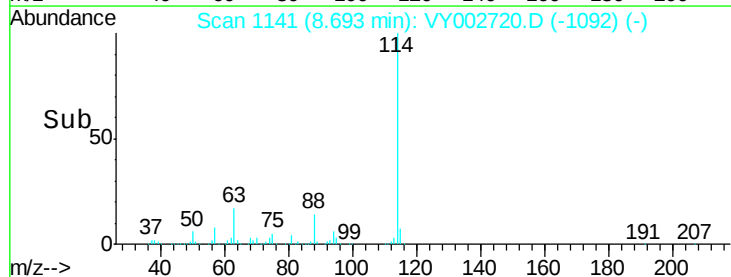
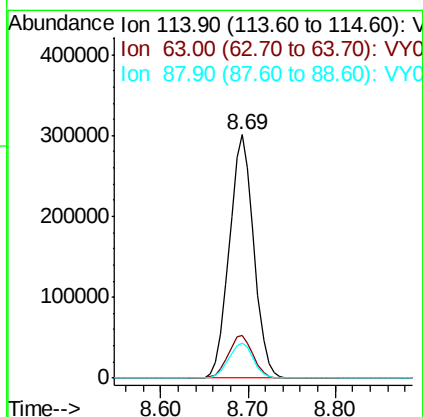
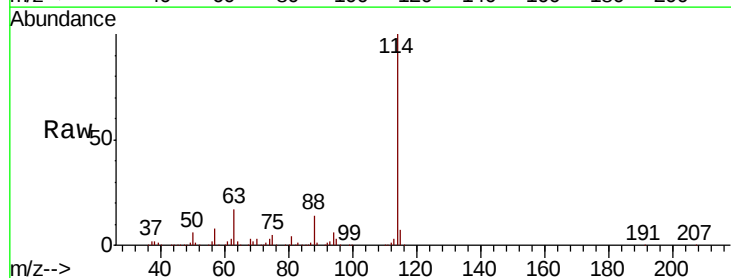
Instrument :
 MSVOA_Y
 ClientSampleId :

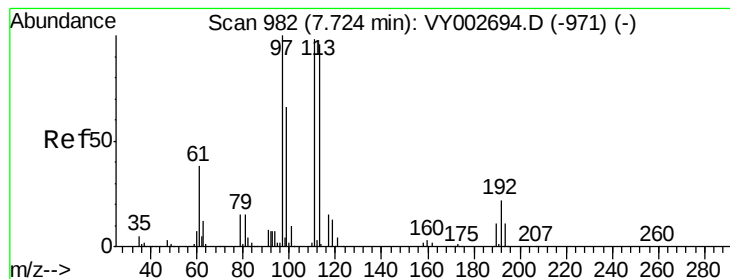
Tot Ion: 65 Resp: 165503
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002720.D
 Acq: 20 May 2020 10:42

Tgt Ion: 114 Resp: 583011
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.4
 88 14.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 54.805 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

Instrument :

MSVOA_Y

ClientSampled :

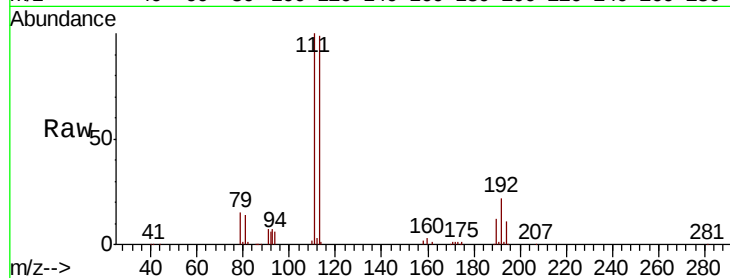
Tot Ion:113 Resp: 176335

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

192 22.9 18.6 27.8



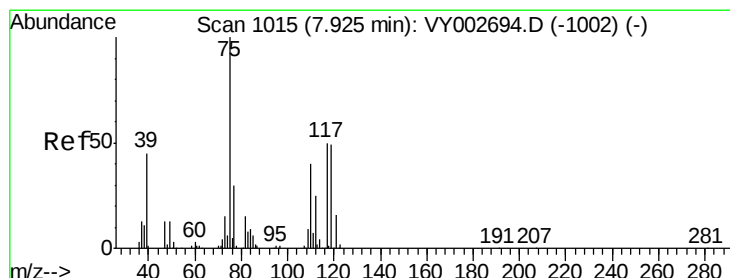
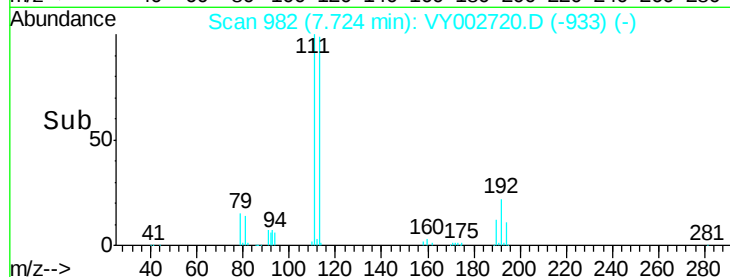
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.72

Time-->



#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

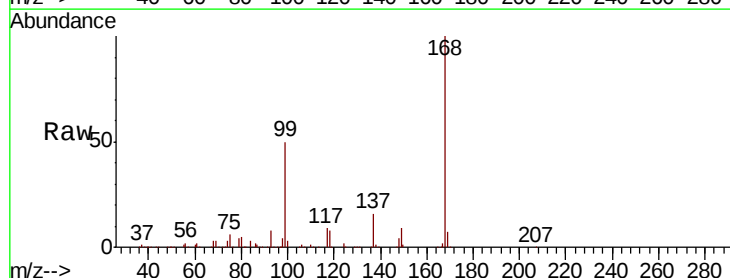
Tgt Ion: 75 Resp: 22701

Ion Ratio Lower Upper

75 100

110 9.8 19.4 58.4#

77 0.0 25.0 37.4#



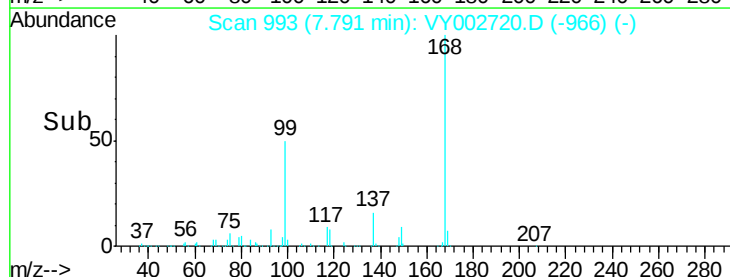
Abundance Ion 74.90 (74.60 to 75.60): VY0

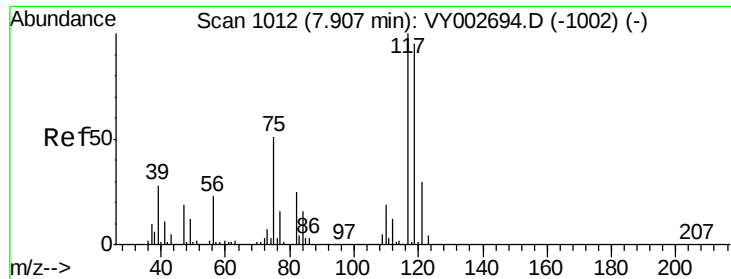
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

7.79

Time-->

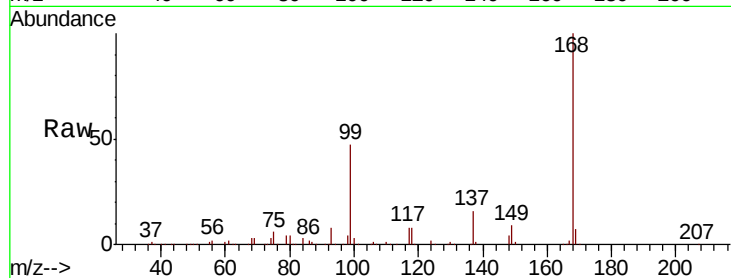




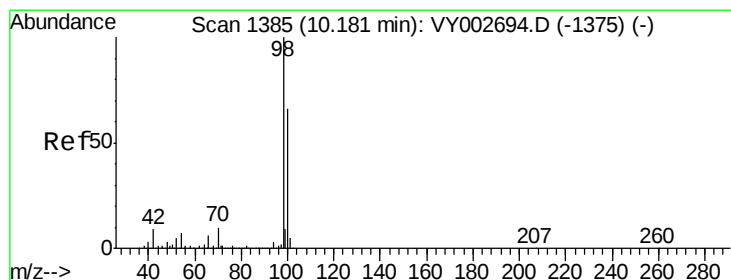
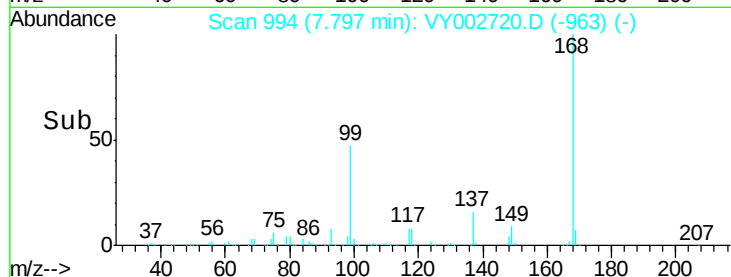
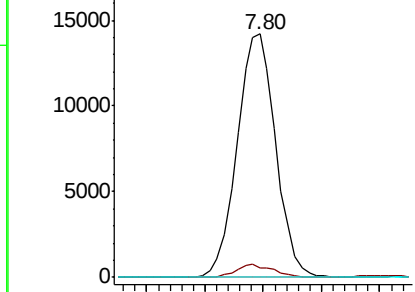
#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002720.D
Acq: 20 May 2020 10:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 32604
Ion Ratio Lower Upper
117 100
119 3.9 76.3 114.5#
121 0.0 24.2 36.2#

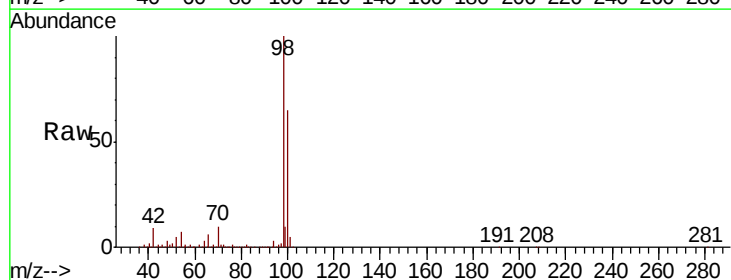


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

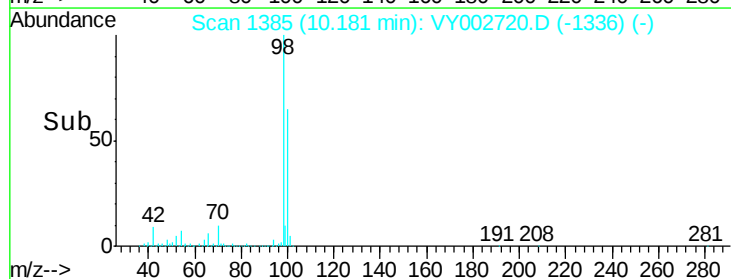
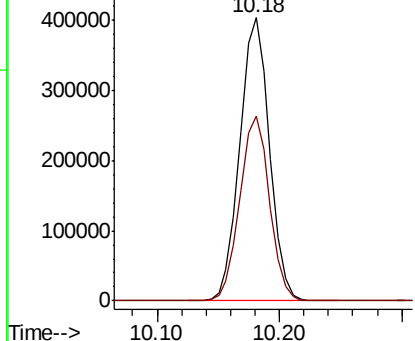


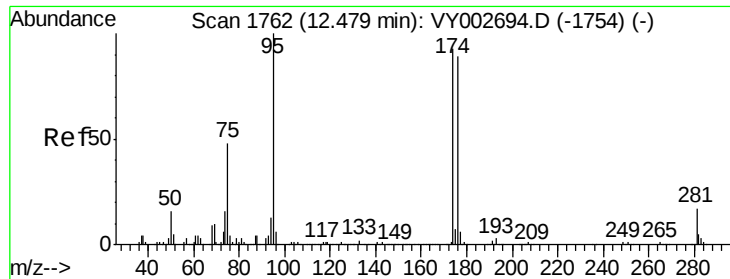
#50
Toluene-d8
Concen: 52.403 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002720.D
Acq: 20 May 2020 10:42

Tgt Ion: 98 Resp: 678822
Ion Ratio Lower Upper
98 100
100 65.3 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: 51.711 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002720.D

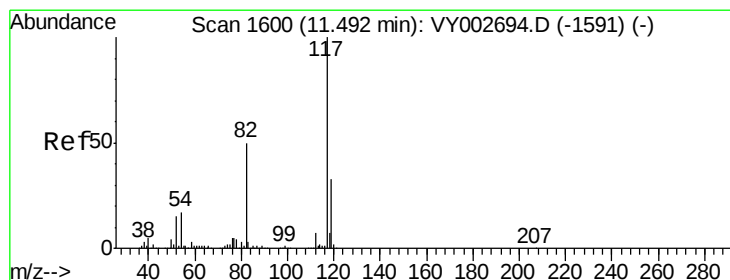
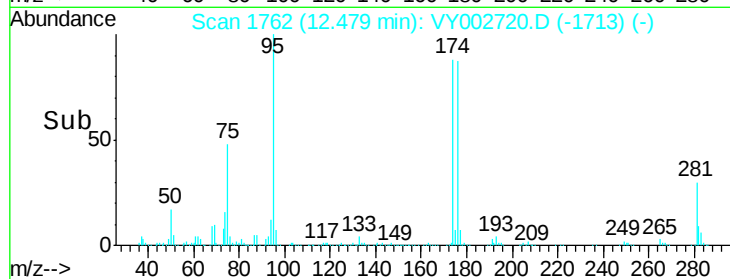
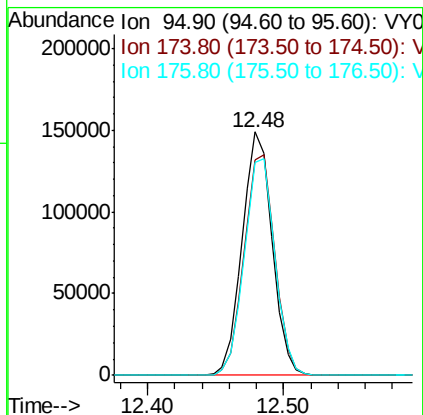
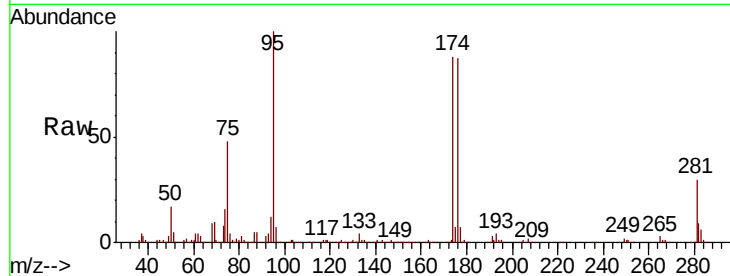
Acq: 20 May 2020 10:42

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:	95	Resp:	230235
Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	191.4
176	91.1	0.0	186.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

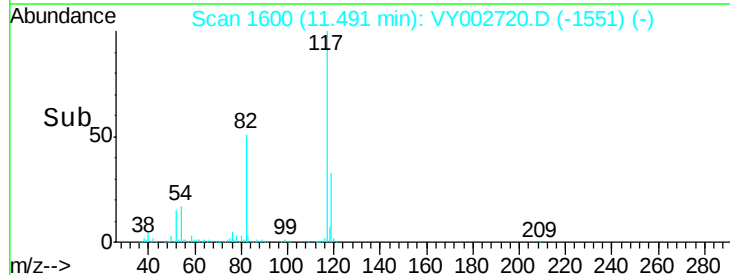
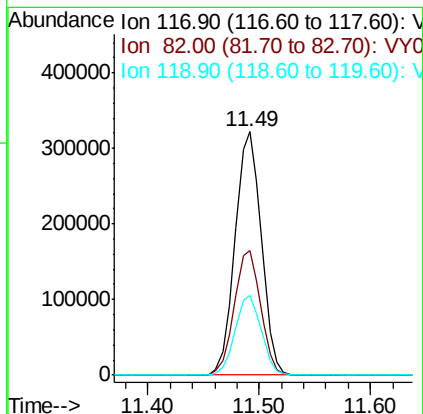
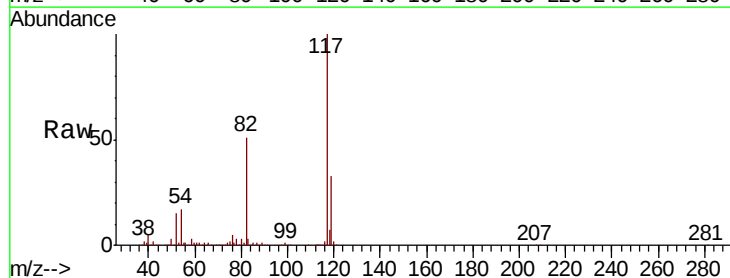
RT: 11.49 min Scan# 1600

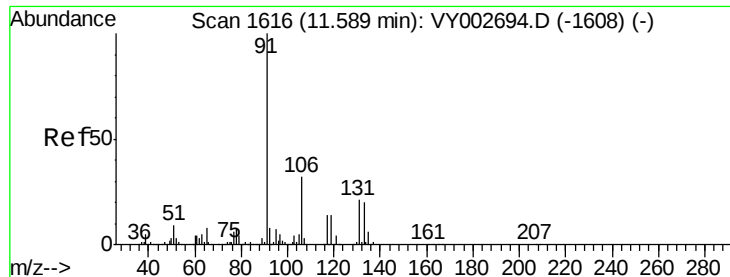
Delta R.T. -0.00 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

Tgt Ion:	117	Resp:	524091
Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.3	60.5
119	32.6	26.2	39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 1.067 ug/l

RT: 11.32 min Scan# 1572

Delta R.T. -0.27 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

Instrument :

MSVOA_Y

ClientSampled :

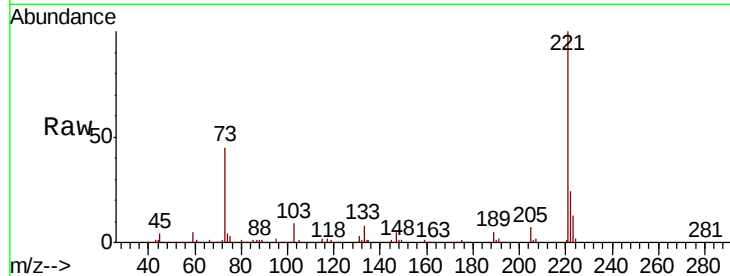
Tot Ion:131 Resp: 4012

Ion Ratio Lower Upper

131 100

133 280.4 47.4 142.3#

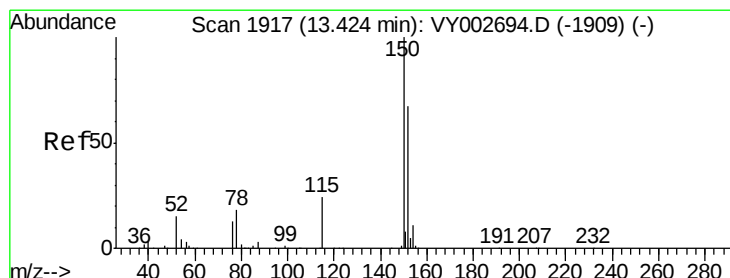
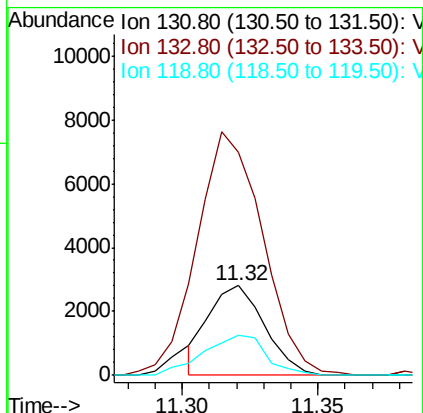
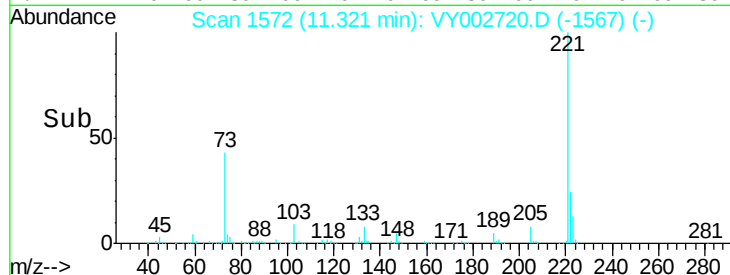
119 0.0 31.6 94.8#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

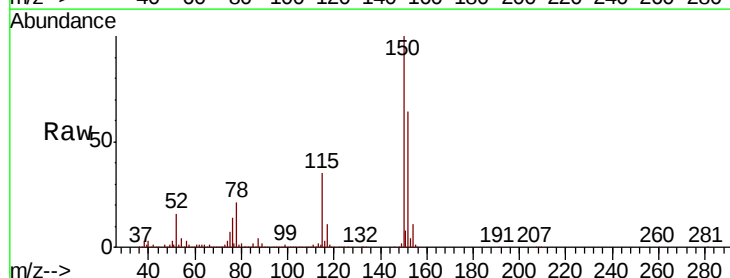
Tgt Ion:152 Resp: 261135

Ion Ratio Lower Upper

152 100

115 54.8 27.2 81.6

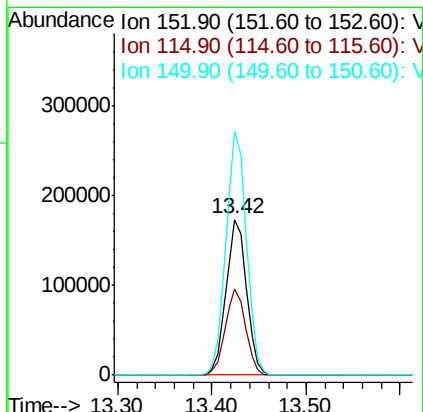
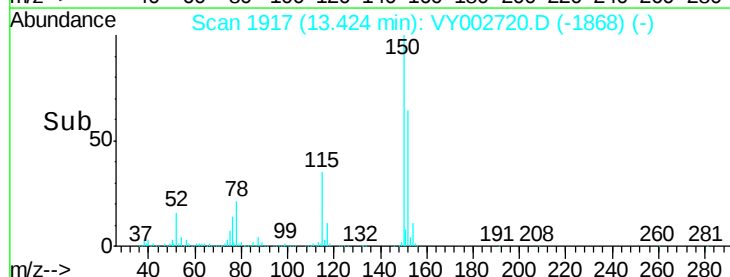
150 157.0 0.0 343.8

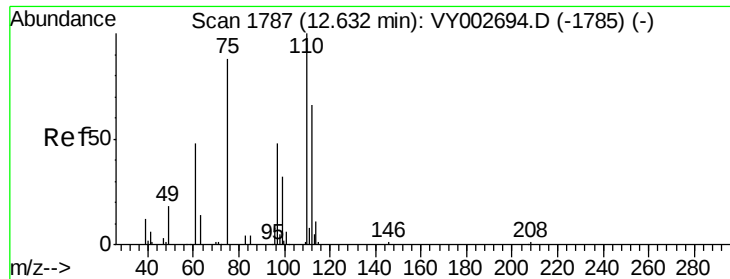


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.263 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

Instrument :

MSVOA_Y

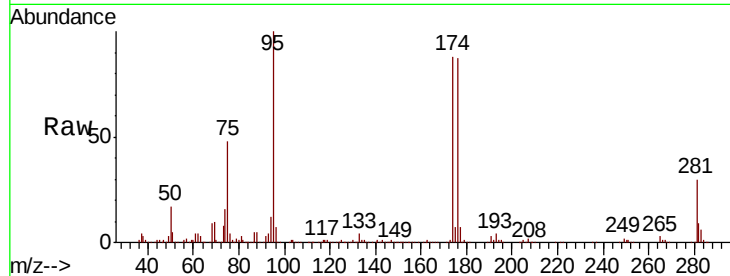
ClientSampleId :

Tot Ion: 75 Resp: 109967

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

80000

60000

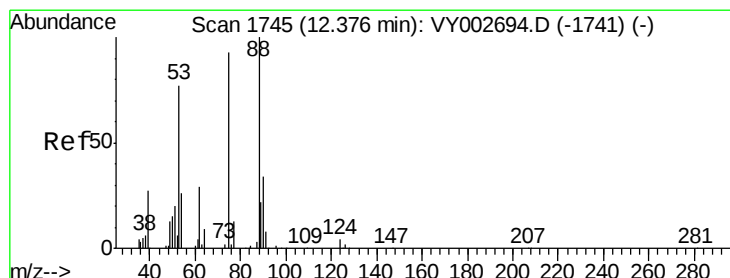
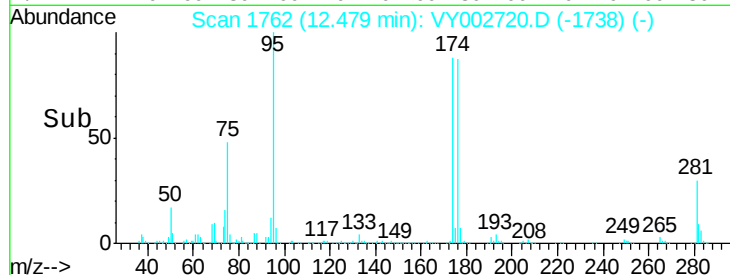
40000

20000

0

Time-->

12.40 12.50 12.60



#81

trans-1,4-Dichloro-2-butene

Concen: 96.950 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

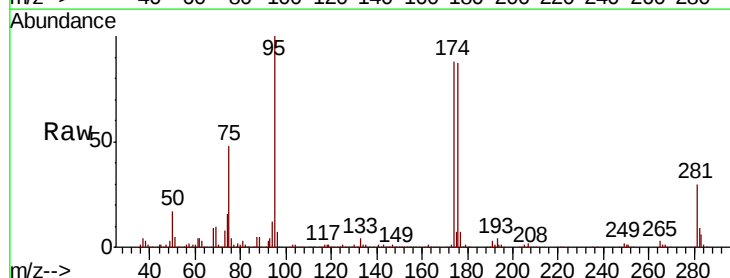
Tgt Ion: 75 Resp: 109967

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

89 0.7 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

100000

80000

60000

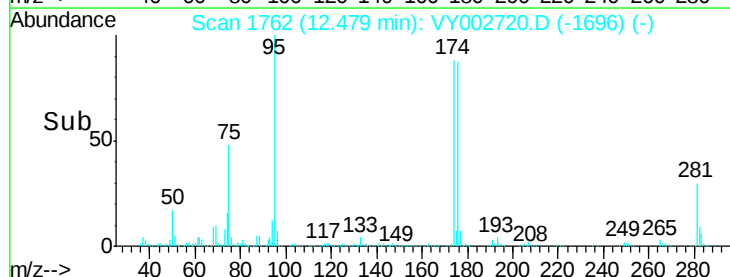
40000

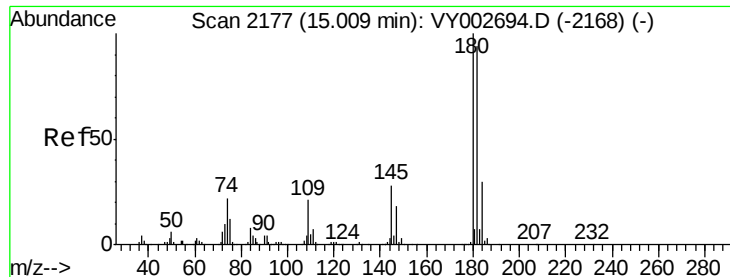
20000

0

Time-->

12.40 12.50 12.60

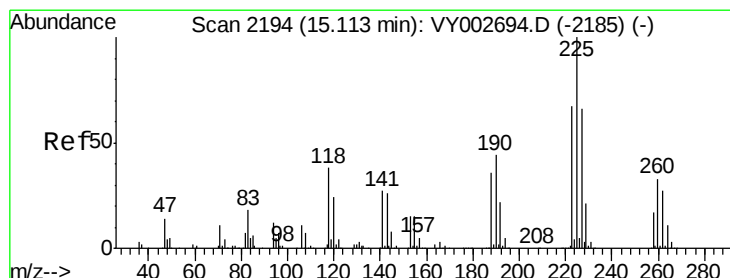
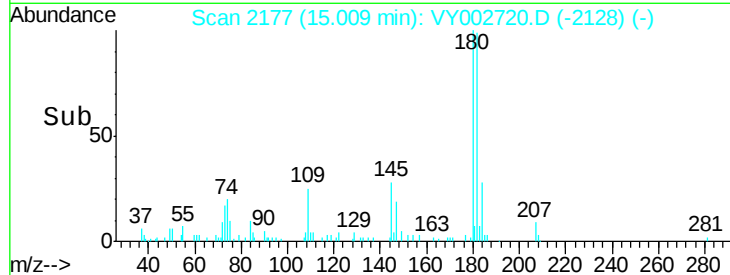
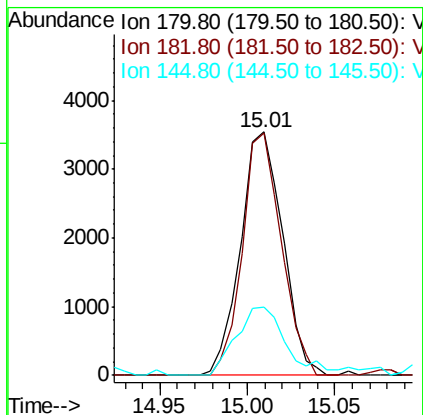
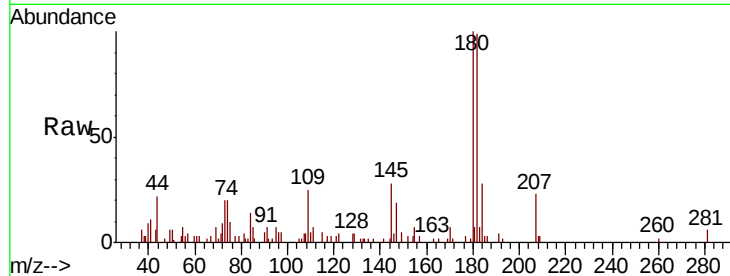




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002720.D
 Acq: 20 May 2020 10:42

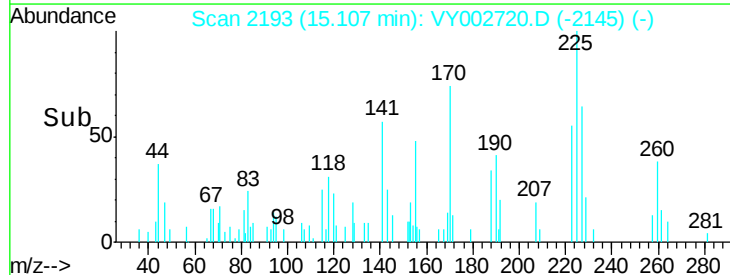
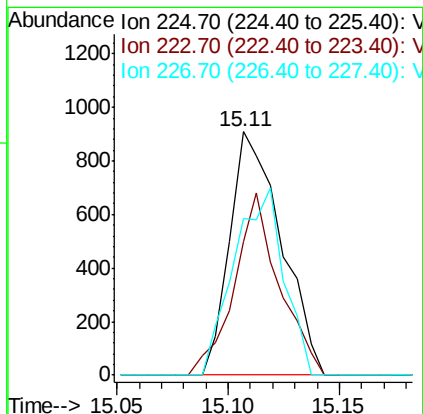
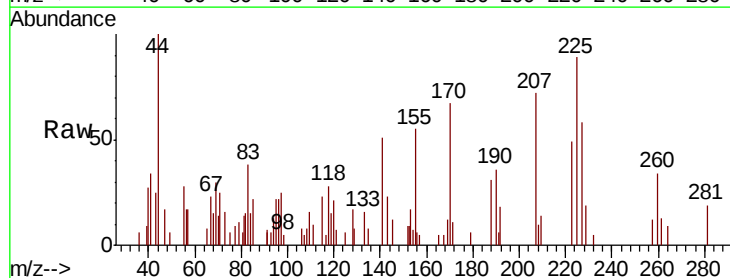
Instrument :
 MSVOA_Y
 ClientSampleId :

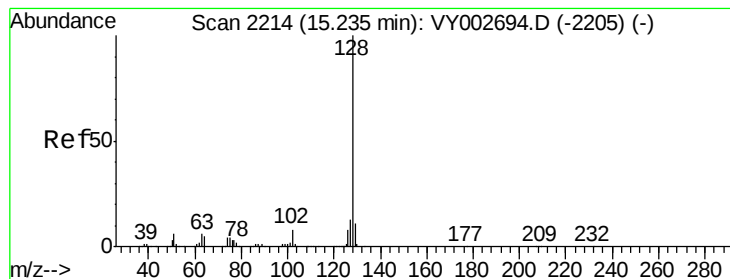
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.3	142.0
145	33.3	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY002720.D
 Acq: 20 May 2020 10:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.6	94.8
227	74.1	32.2	96.6





#95

Naphthalene

Concen: 2.016 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

Instrument :

MSVOA_Y

ClientSampleId :

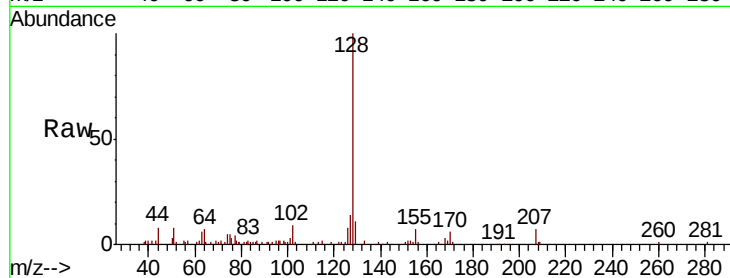
Tot Ion:128 Resp: 20481

Ion Ratio Lower Upper

128 100

127 14.9 10.3 15.5

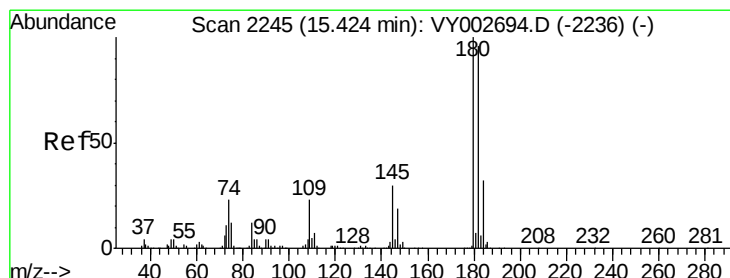
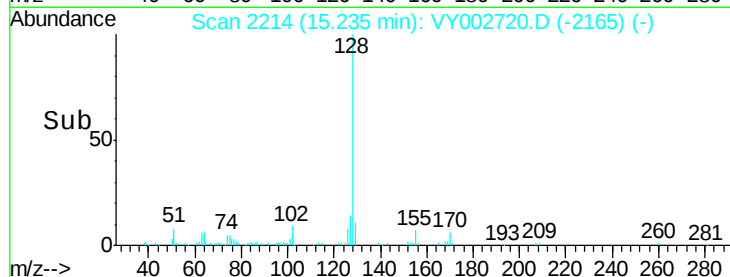
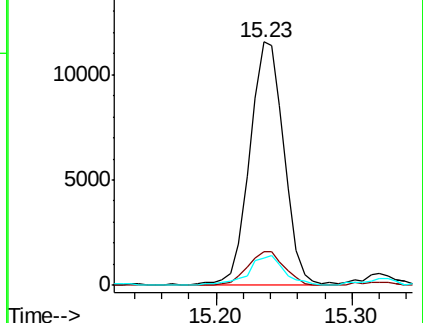
129 12.7 8.7 13.1



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: 15.43 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VY002720.D

Acq: 20 May 2020 10:42

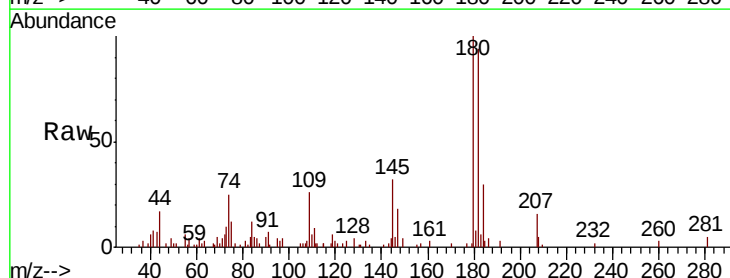
Tgt Ion:180 Resp: 8834

Ion Ratio Lower Upper

180 100

182 92.0 47.6 142.9

145 41.8 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

