

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052220\NOT REVIEWED DATA\
 Data File : VY002748.D
 Acq On : 22 May 2020 10:32
 Operator : SY/MD
 Sample : VY0522SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 22 19:56:22 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	272798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	434836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	409394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201308	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	123881	58.06	ug/l	0.00
Spiked Amount			Recovery	=	116.12%	
35) Dibromofluoromethane	7.72	113	130993	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
50) Toluene-d8	10.18	98	507472	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.48	95	169478	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

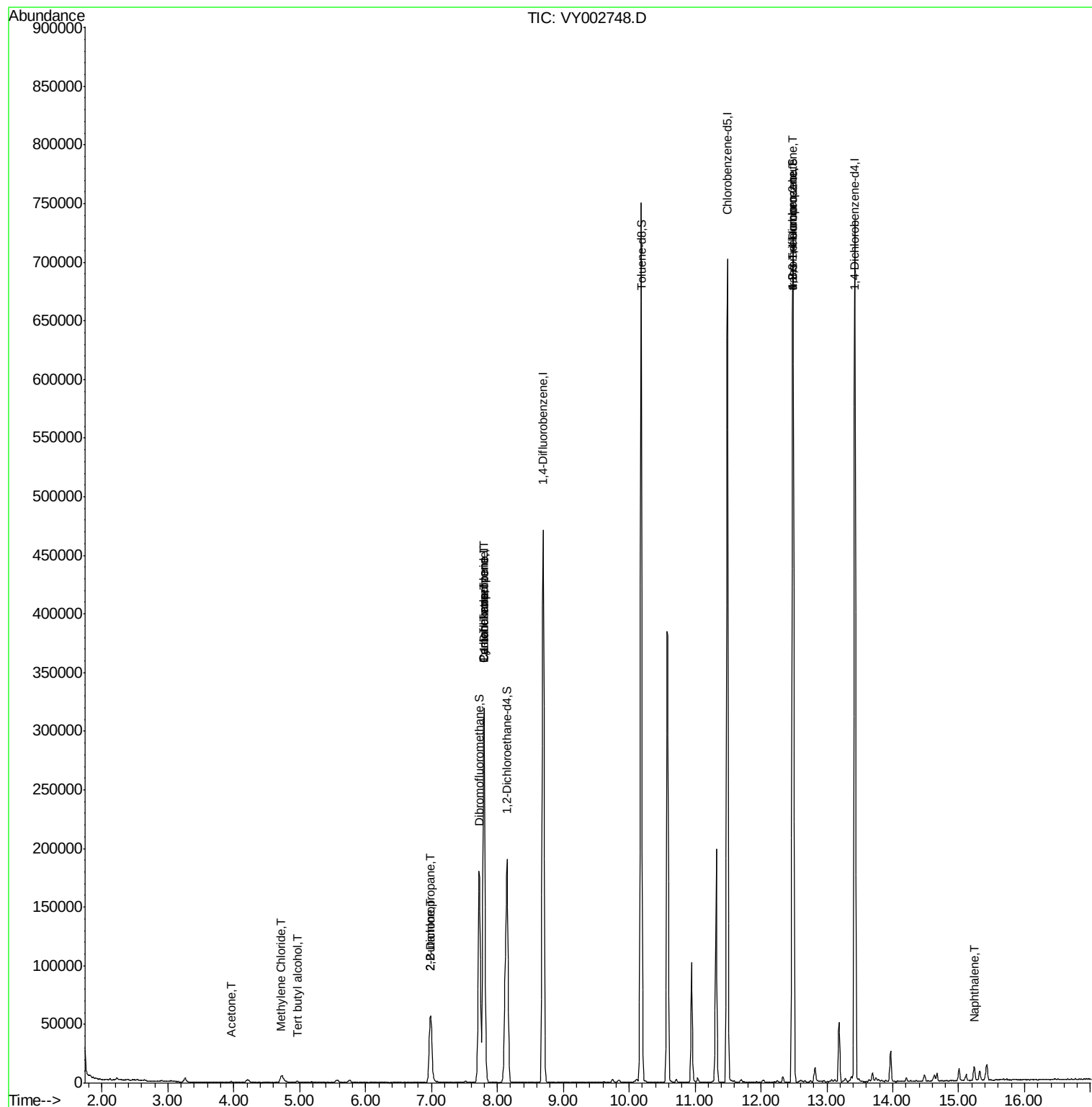
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	2065	9.529	ug/l #	74
16) Acetone	3.96	43	1279	2.908	ug/l	95
20) Methylene Chloride	4.72	84	4471	1.681	ug/l	96
25) 2-Butanone	6.99	43	2656	3.649	ug/l #	69
26) 2,2-Dichloropropane	6.99	77	4422	1.167	ug/l #	51
31) Cyclohexane	7.80	56	4181	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	17257	4.688	ug/l #	48
38) Carbon Tetrachloride	7.80	117	23166	5.855	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	83039	50.215	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83039	94.967	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.00	180	3387	Below Cal		98
94) Hexachlorobutadiene	15.11	225	1212	Below Cal		98
95) Naphthalene	15.23	128	9818	1.254	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	4707	Below Cal		97

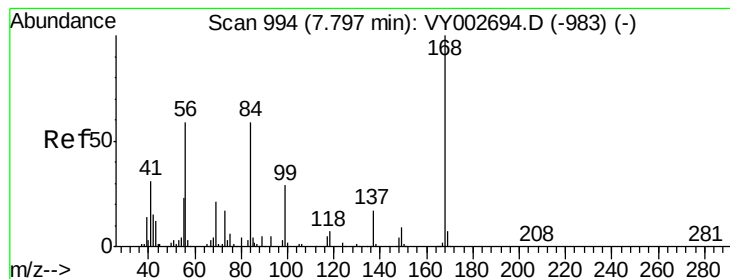
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002748.D

Acq: 22 May 2020 10:32

Instrument :

MSVOA_Y

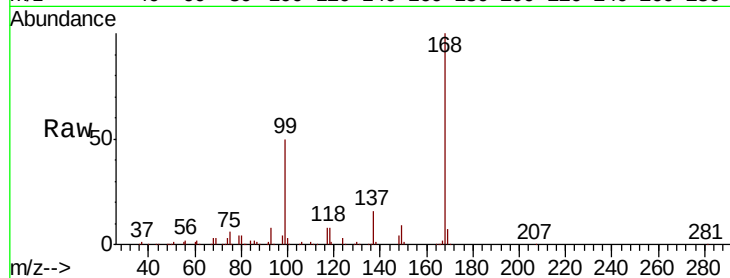
ClientSampleId :

Tot Ion:168 Resp: 272798

Ion Ratio Lower Upper

168 100

99 49.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002748.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002748.D (-945) (-)

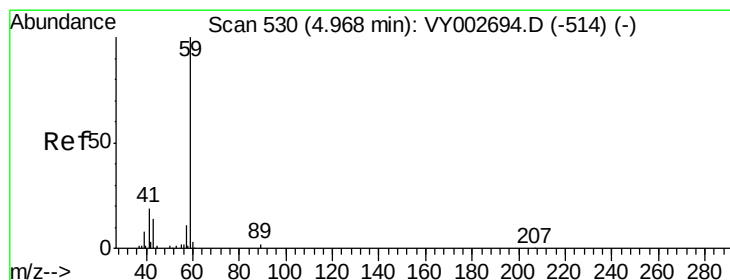
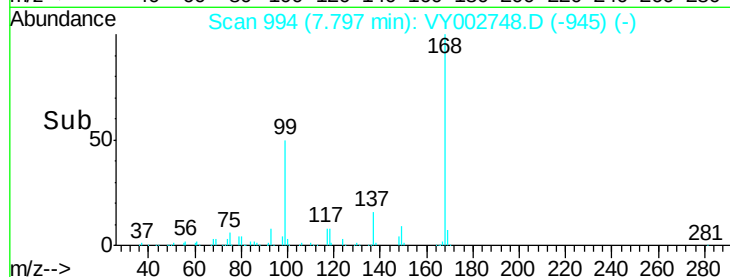
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.529 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002748.D

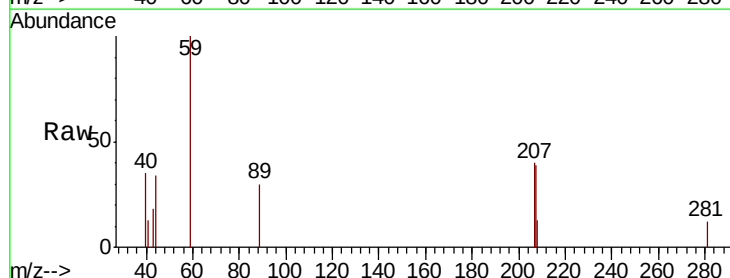
Acq: 22 May 2020 10:32

Tgt Ion: 59 Resp: 2065

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002748.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002748.D (-481) (-)

4.96

500

400

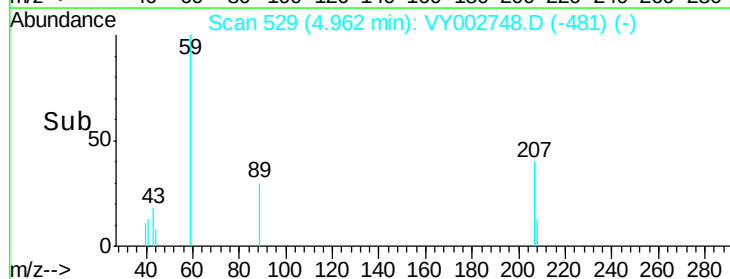
300

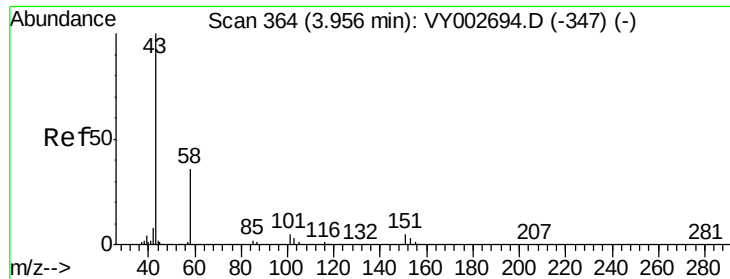
200

100

0

Time-->





#16

Acetone

Concen: 2.908 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002748.D

Acq: 22 May 2020 10:32

Instrument :

MSVOA_Y

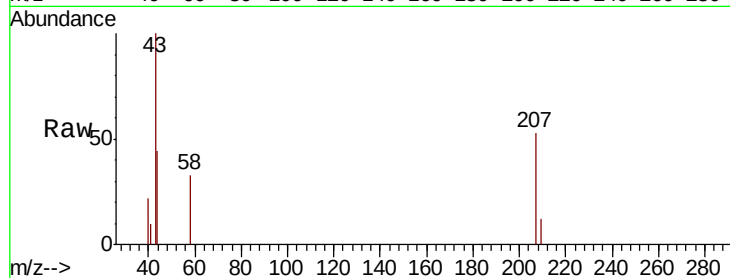
ClientSampleId :

Tot Ion: 43 Resp: 1279

Ion Ratio Lower Upper

43 100

58 33.1 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

600

500

400

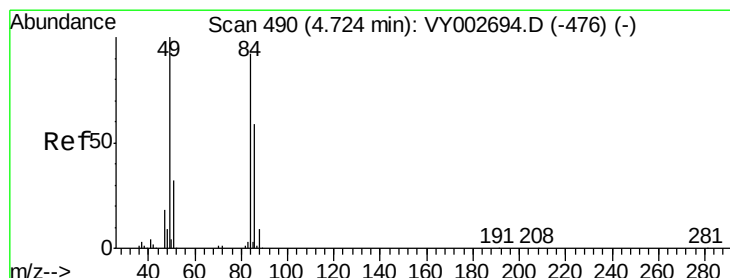
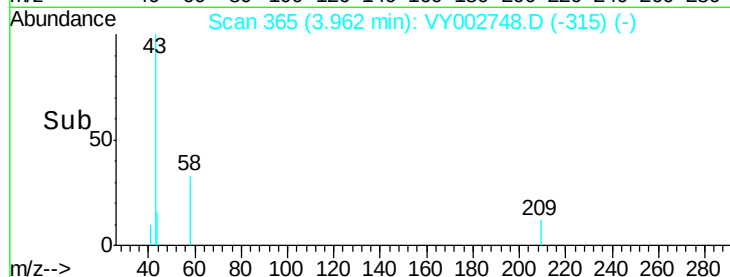
300

200

100

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 1.681 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002748.D

Acq: 22 May 2020 10:32

Tgt Ion: 84 Resp: 4471

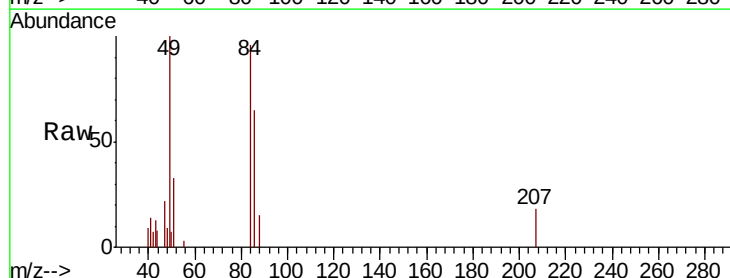
Ion Ratio Lower Upper

84 100

49 104.1 87.4 131.0

51 34.8 27.9 41.9

86 68.1 51.7 77.5



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

2500

2000

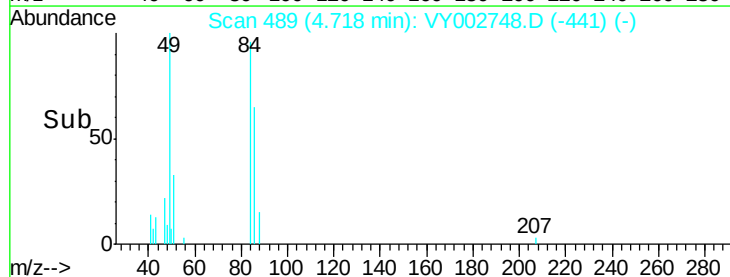
1500

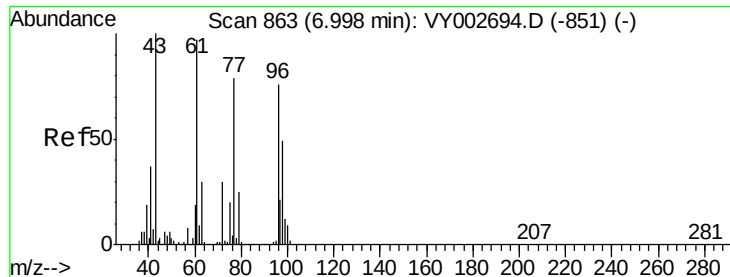
1000

500

0

Time--> 4.60 4.65 4.70 4.75 4.80





#25

2-Butanone

Concen: 3.649 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002748.D

Acq: 22 May 2020 10:32

Instrument :

MSVOA_Y

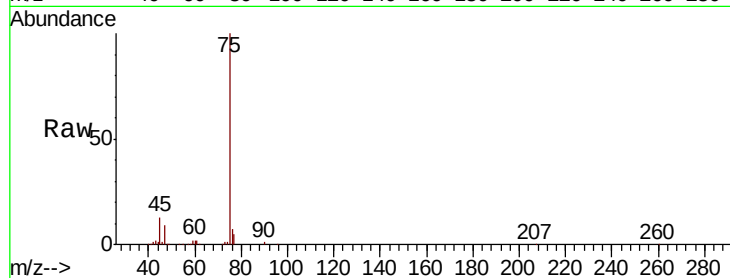
ClientSampled :

Tot Ion: 43 Resp: 2656

Ion Ratio Lower Upper

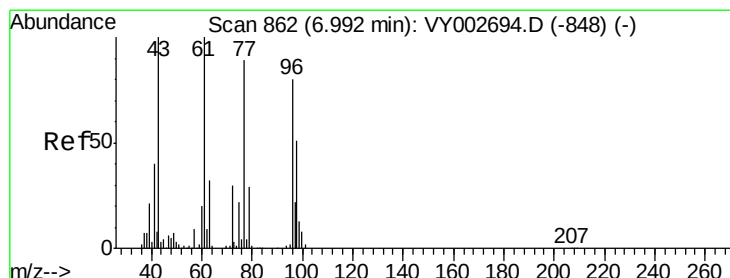
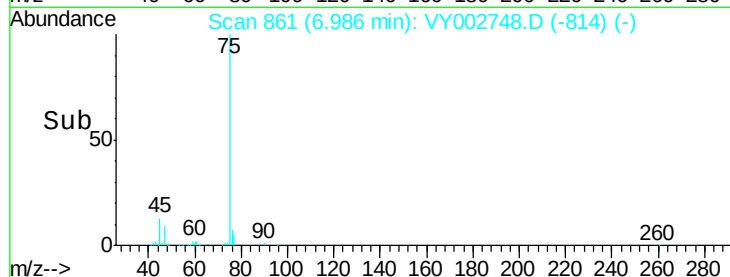
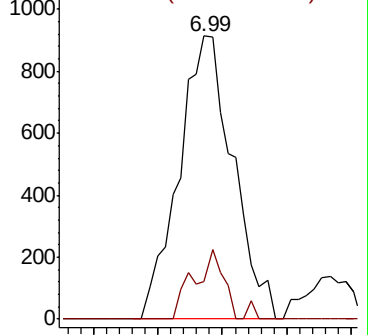
43 100

72 13.1 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.167 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002748.D

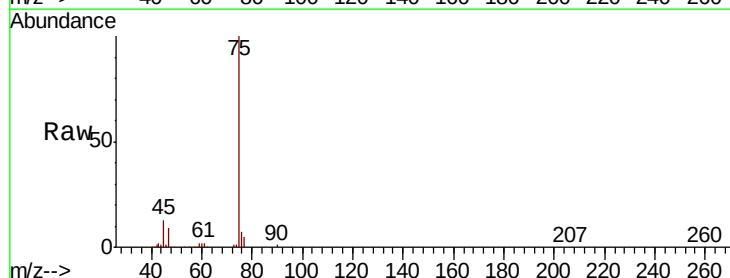
Acq: 22 May 2020 10:32

Tgt Ion: 77 Resp: 4422

Ion Ratio Lower Upper

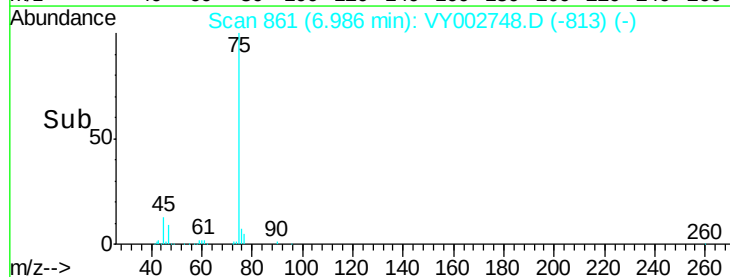
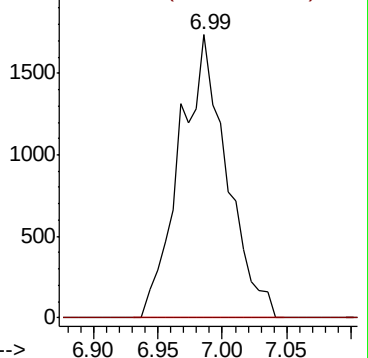
77 100

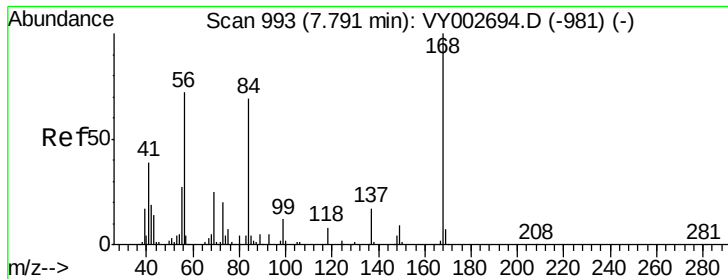
97 0.0 12.3 36.9#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

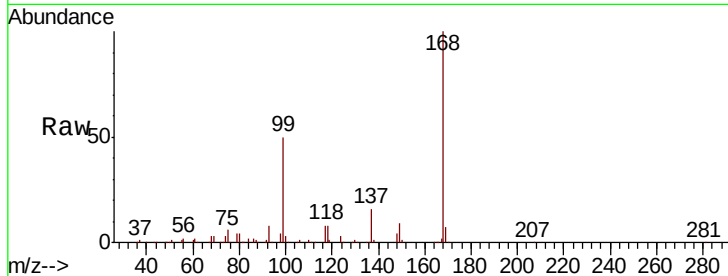




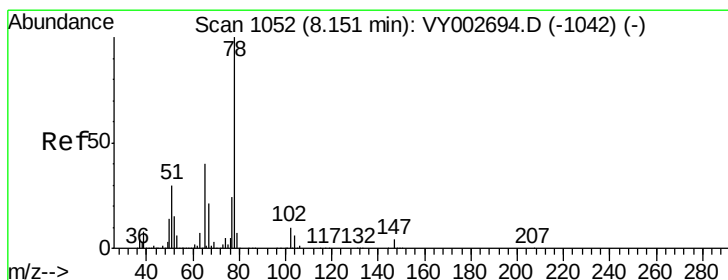
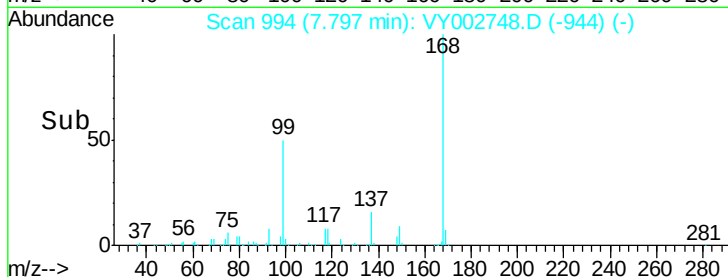
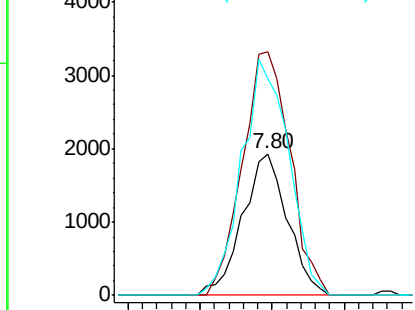
#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002748.D
Acq: 22 May 2020 10:32

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4181
Ion Ratio Lower Upper
56 100
69 172.1 27.7 41.5#
84 153.5 77.0 115.4#

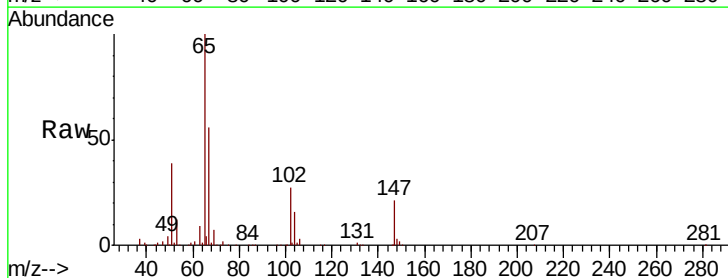


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

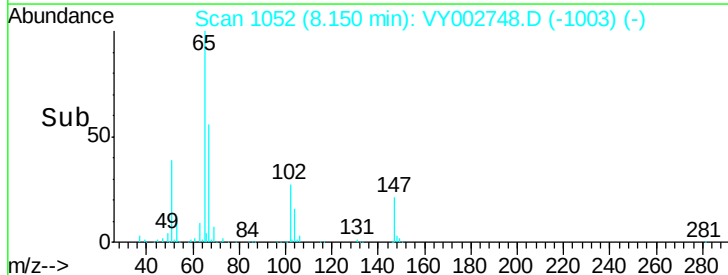
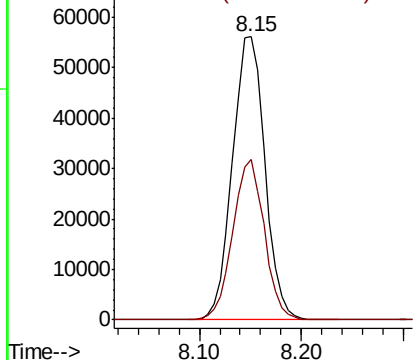


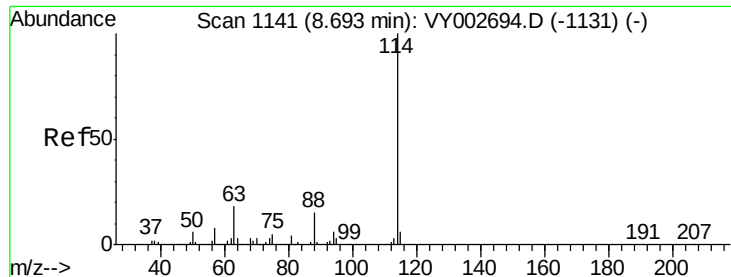
#33
1,2-Dichloroethane-d4
Concen: 58.055 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY002748.D
Acq: 22 May 2020 10:32

Tgt Ion: 65 Resp: 123881
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

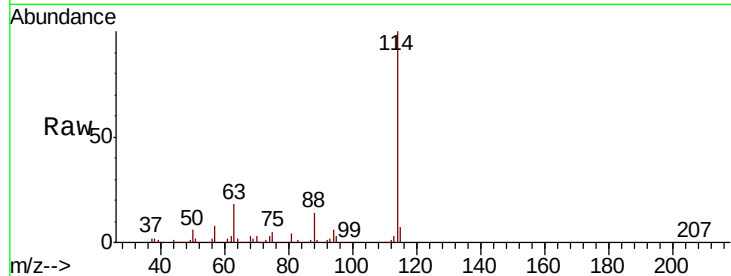




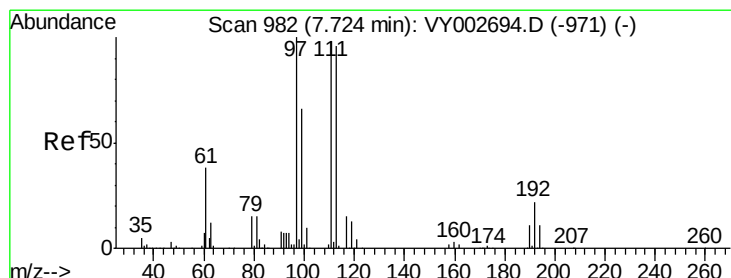
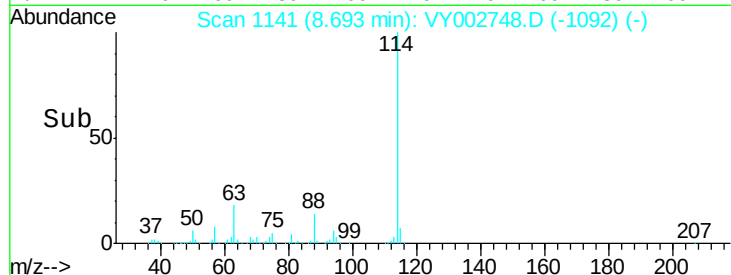
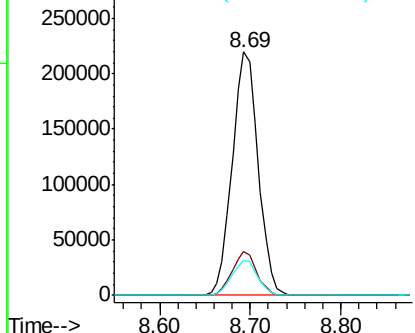
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002748.D
 Acq: 22 May 2020 10:32

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.4
88	14.5	0.0	29.4

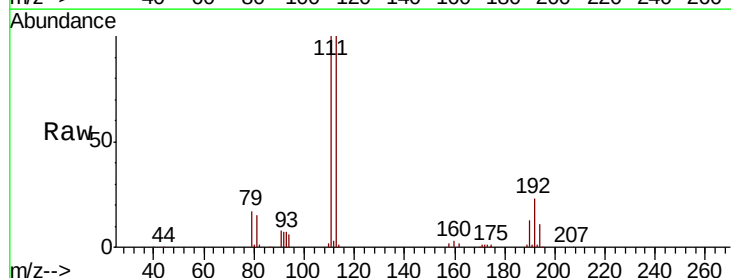


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

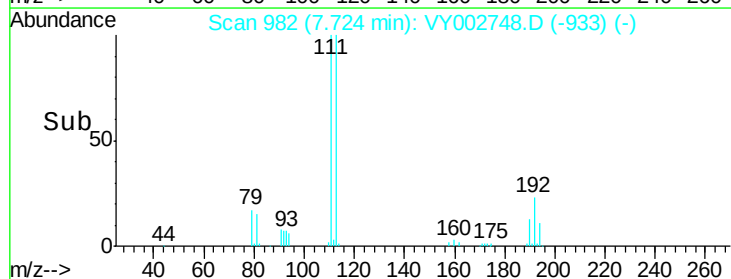
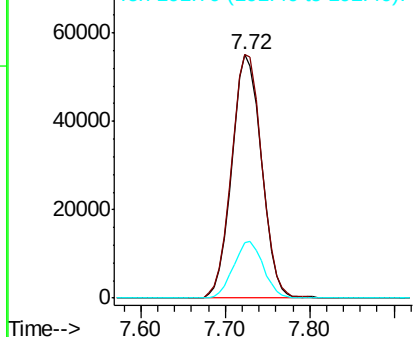


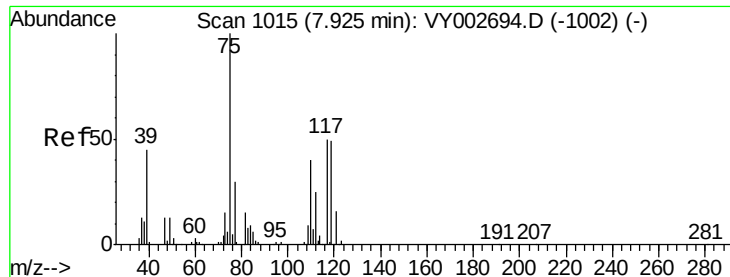
#35
 Dibromofluoromethane
 Concen: 54.586 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY002748.D
 Acq: 22 May 2020 10:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	23.3	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

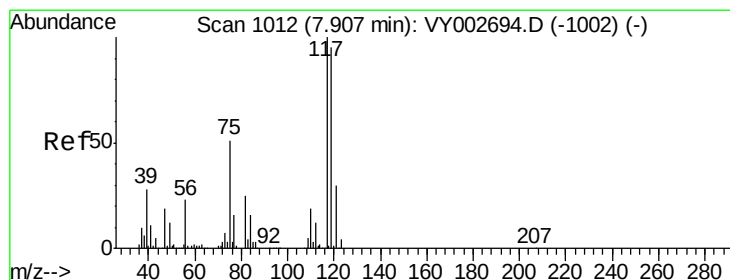
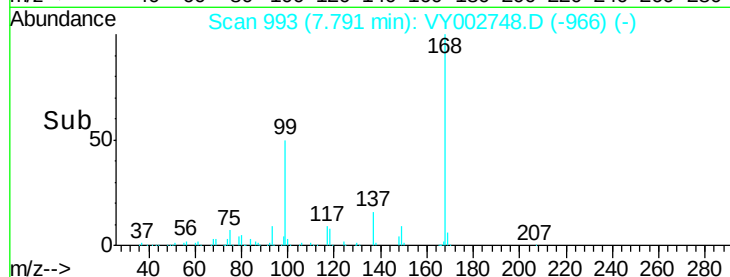
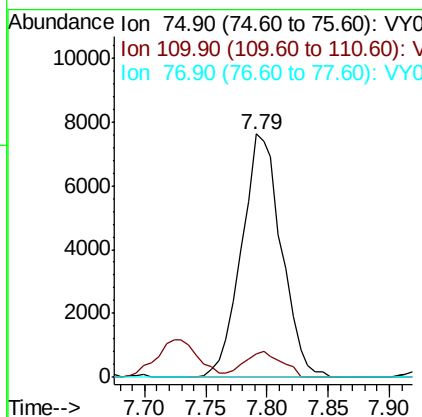
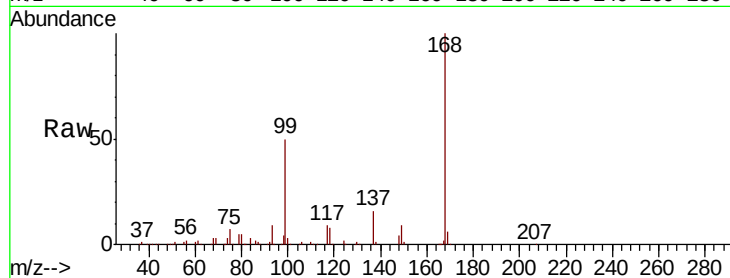




#36
 1,1-Dichloropropene
 Concen: 4.688 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002748.D
 Acq: 22 May 2020 10:32

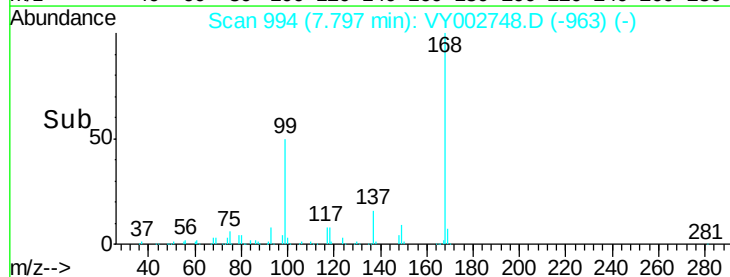
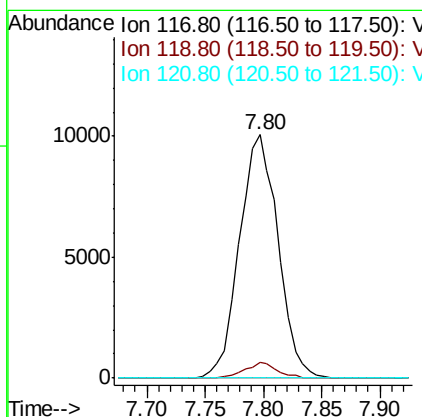
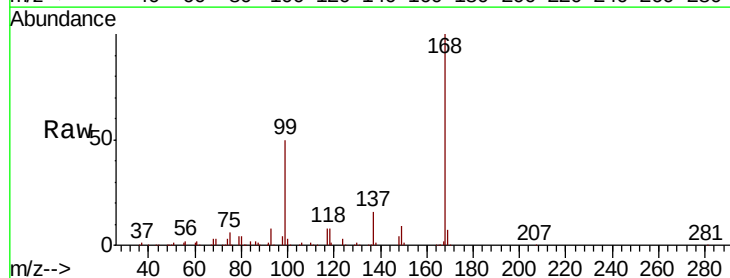
Instrument :
 MSVOA_Y
 ClientSampleId :

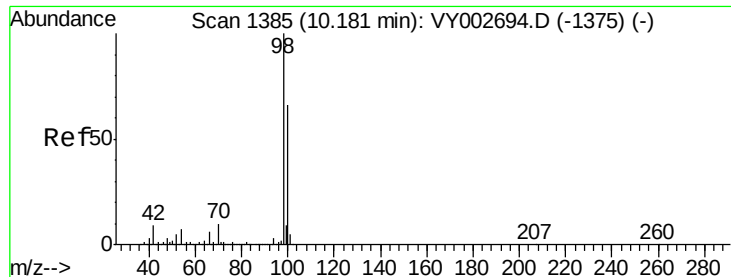
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.4	58.4#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.855 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002748.D
 Acq: 22 May 2020 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.3	114.5#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 52.524 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002748.D

Acq: 22 May 2020 10:32

Instrument :

MSVOA_Y

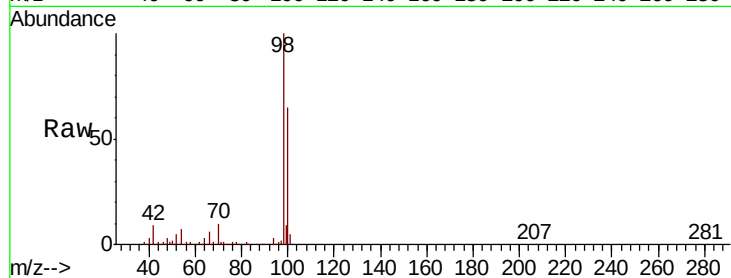
ClientSampleId :

Tot Ion: 98 Resp: 507472

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

300000

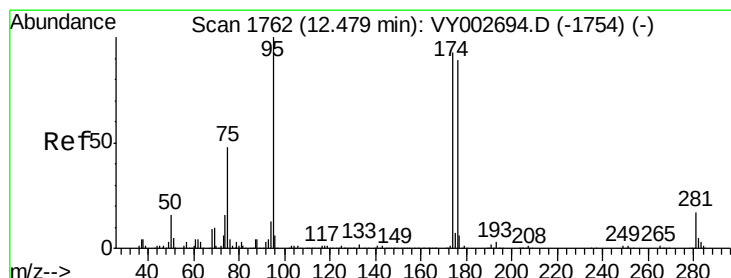
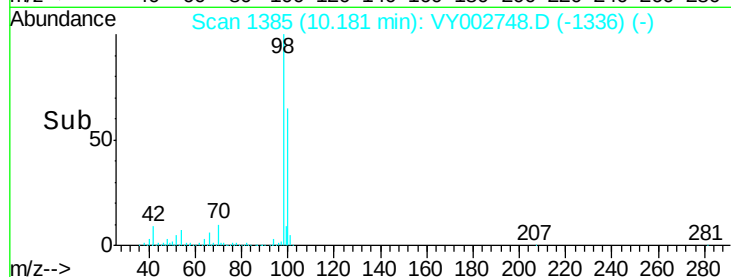
200000

100000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 51.036 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002748.D

Acq: 22 May 2020 10:32

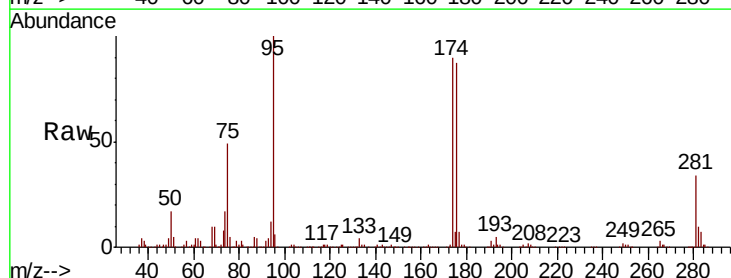
Tgt Ion: 95 Resp: 169478

Ion Ratio Lower Upper

95 100

174 95.6 0.0 191.4

176 93.7 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

150000

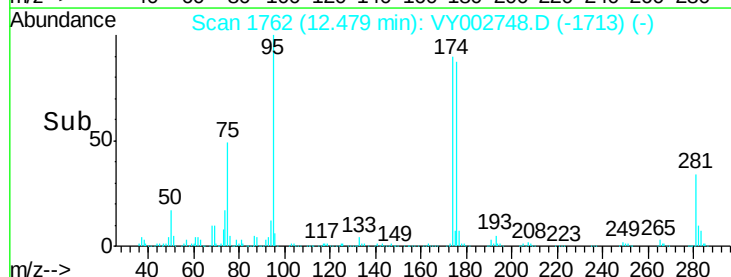
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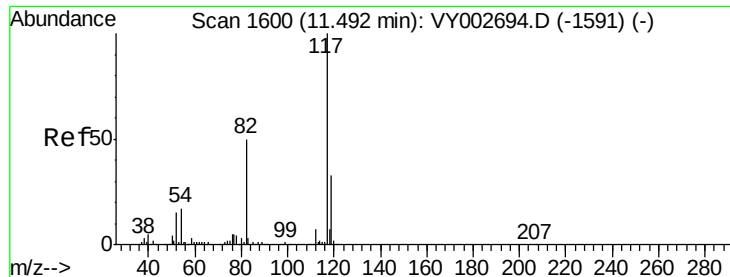
50000

0

Time-->

12.40 12.50

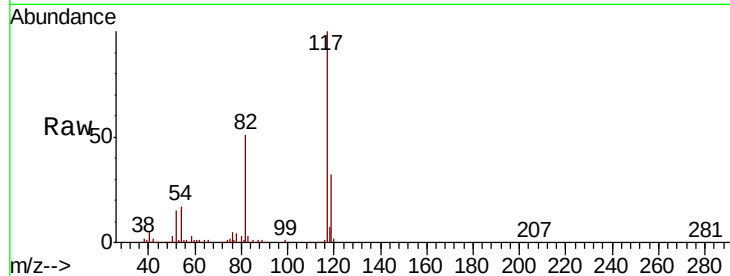




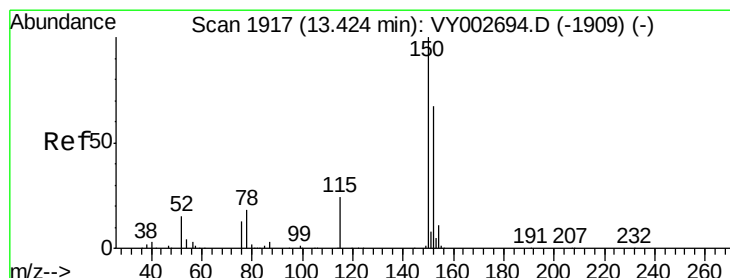
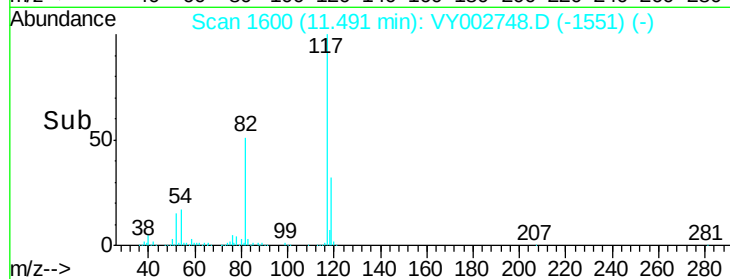
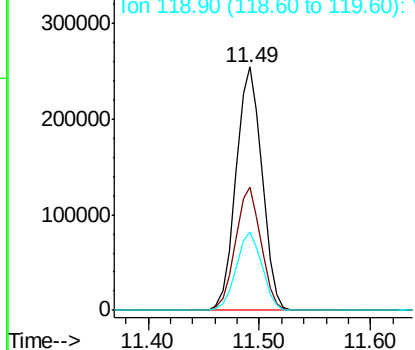
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002748.D
Acq: 22 May 2020 10:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 409394
Ion Ratio Lower Upper
117 100
82 50.6 40.3 60.5
119 32.4 26.2 39.4

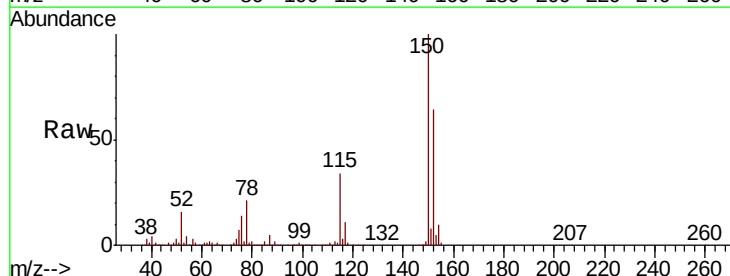


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

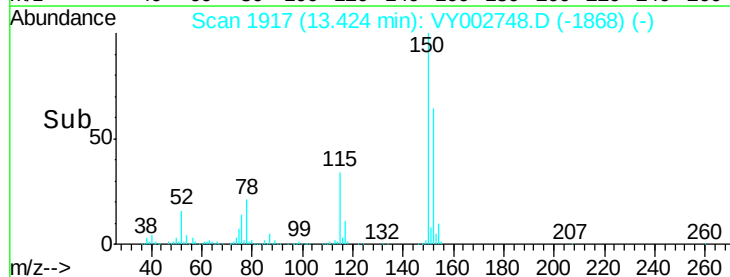
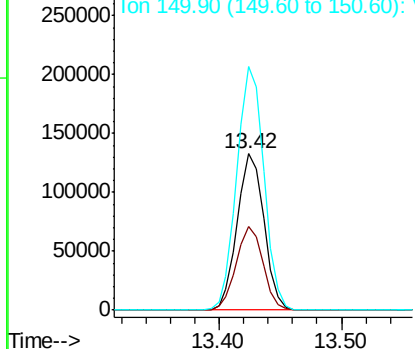


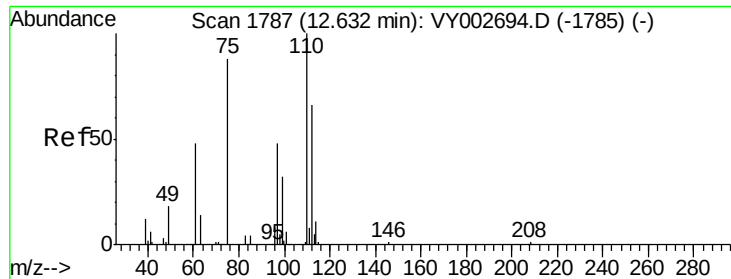
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002748.D
Acq: 22 May 2020 10:32

Tgt Ion:152 Resp: 201308
Ion Ratio Lower Upper
152 100
115 53.2 27.2 81.6
150 157.5 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: 50.215 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002748.D

Acq: 22 May 2020 10:32

Instrument :

MSVOA_Y

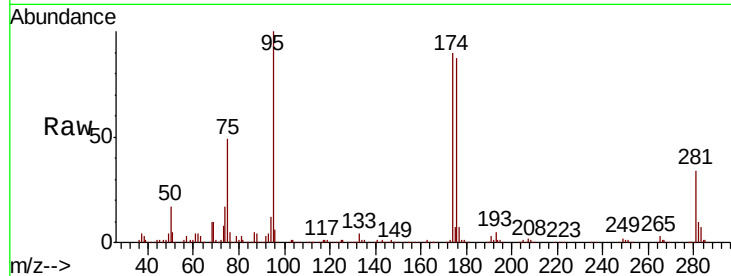
ClientSampleId :

Tot Ion: 75 Resp: 83039

Ion Ratio Lower Upper

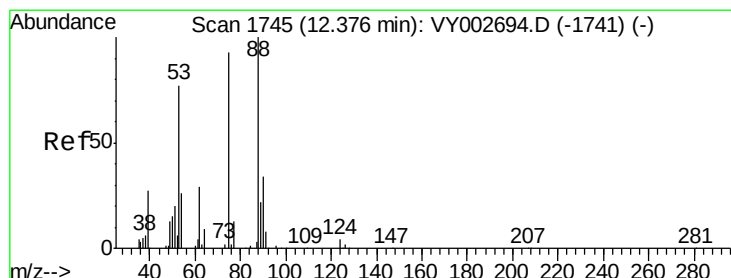
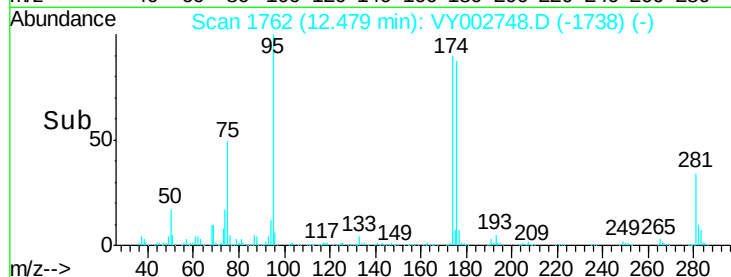
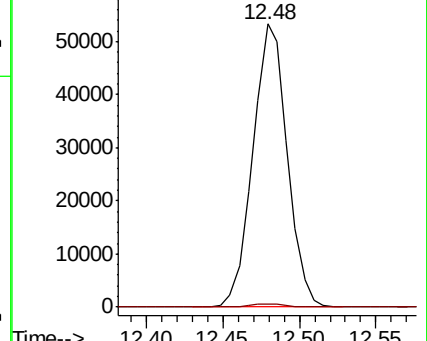
75 100

77 1.2 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: 94.967 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002748.D

Acq: 22 May 2020 10:32

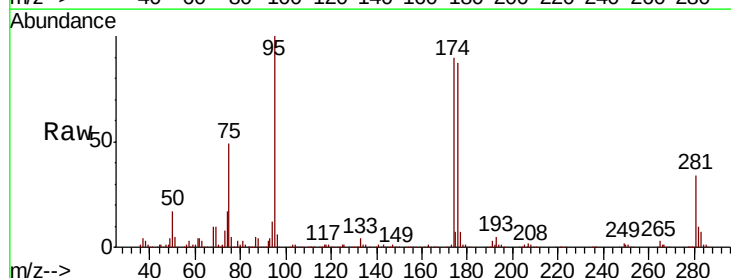
Tgt Ion: 75 Resp: 83039

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

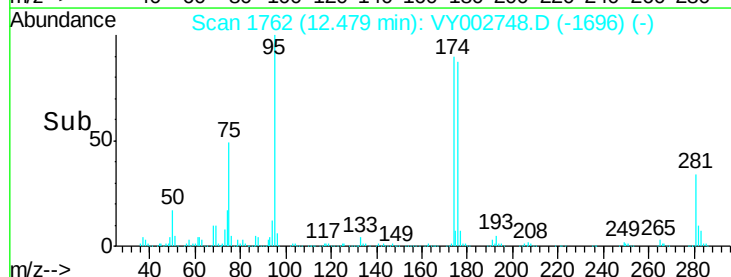
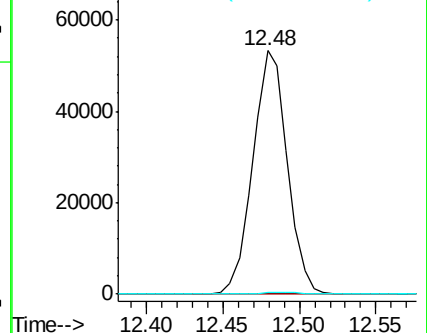
89 0.8 66.6 99.8#

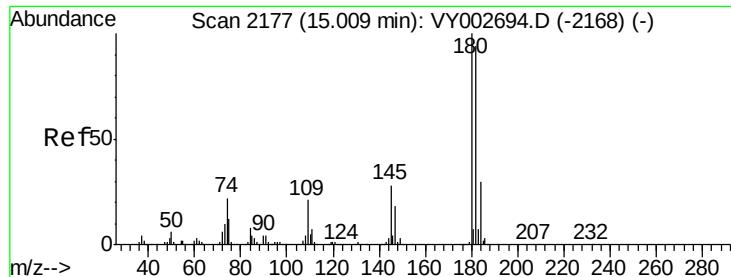


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

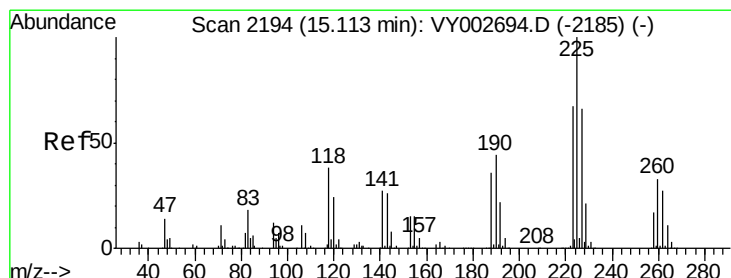
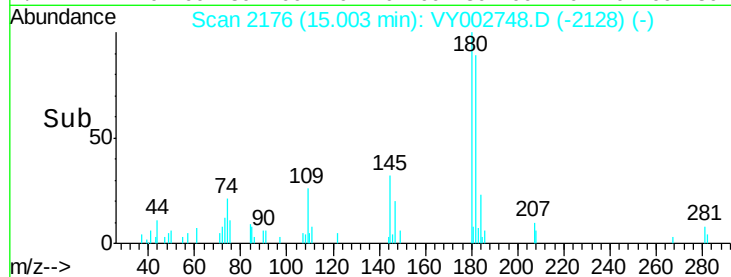
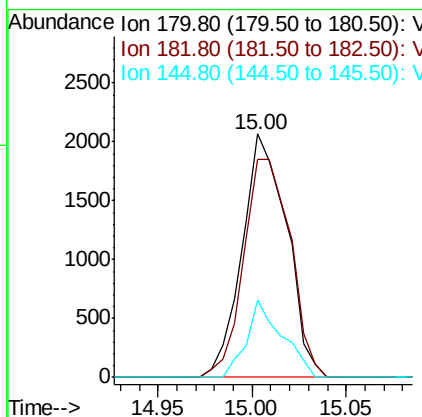
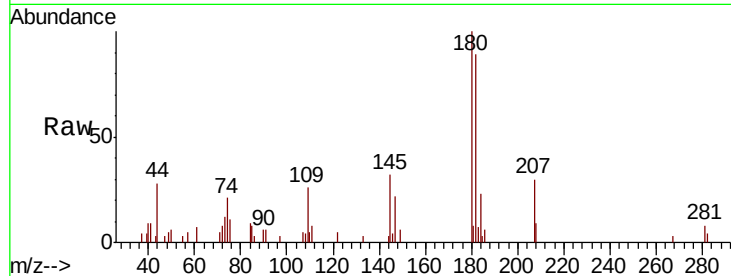




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002748.D
 Acq: 22 May 2020 10:32

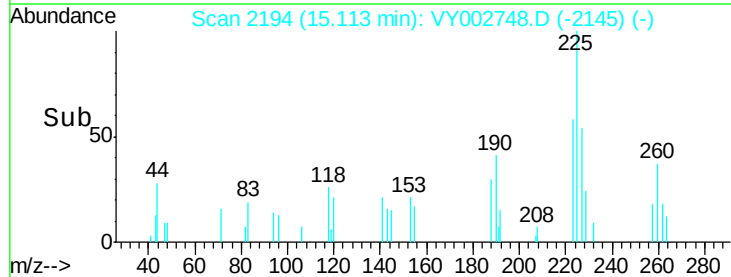
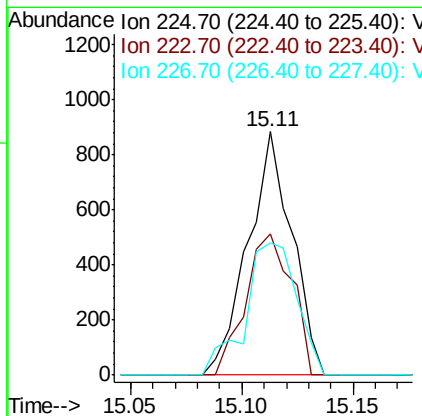
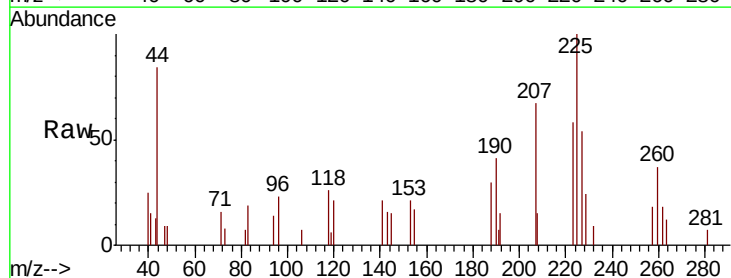
Instrument :
 MSVOA_Y
 ClientSampled :

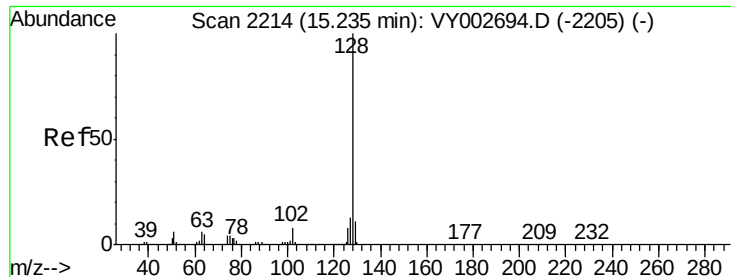
Tot Ion:180 Resp: 3387
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.3 142.0
 145 25.4 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002748.D
 Acq: 22 May 2020 10:32

Tgt Ion:225 Resp: 1212
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.6 94.8
 227 64.0 32.2 96.6

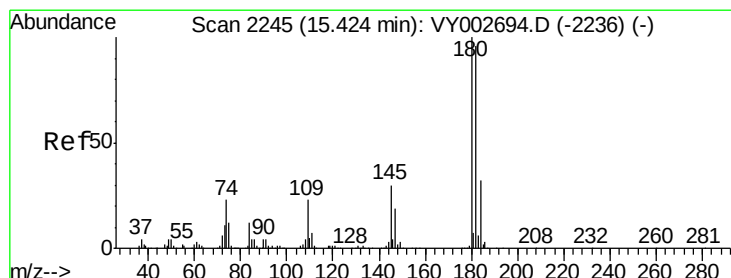
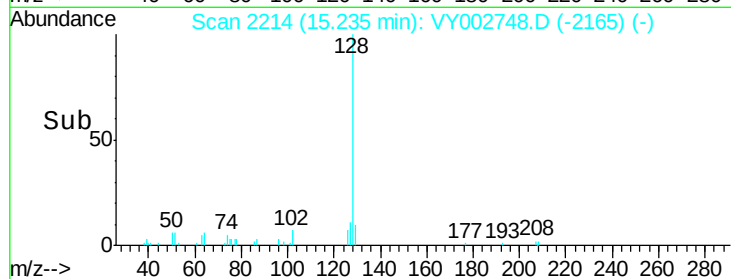
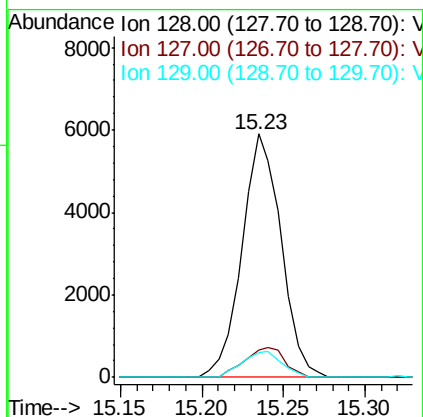
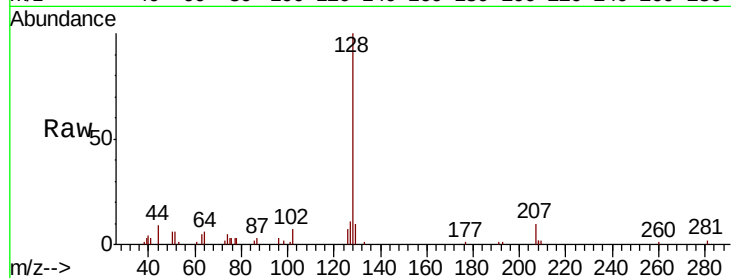




#95
Naphthalene
Concen: 1.254 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002748.D
Acq: 22 May 2020 10:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 9818
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.43 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VY002748.D
Acq: 22 May 2020 10:32

Tgt Ion:180 Resp: 4707
Ion Ratio Lower Upper
180 100
182 98.7 47.6 142.9
145 28.3 15.1 45.3

