

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002742.D
 Acq On : 21 May 2020 15:40
 Operator : SY/MD
 Sample : L2506-14RE
 Misc : 4.38G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 17:04:57 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	320627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	509350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	447601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	200846	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	141697	56.50	ug/l	0.00
Spiked Amount			Recovery	=	113.00%	
35) Dibromofluoromethane	7.73	113	150912	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
50) Toluene-d8	10.18	98	590259	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.48	95	183648	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

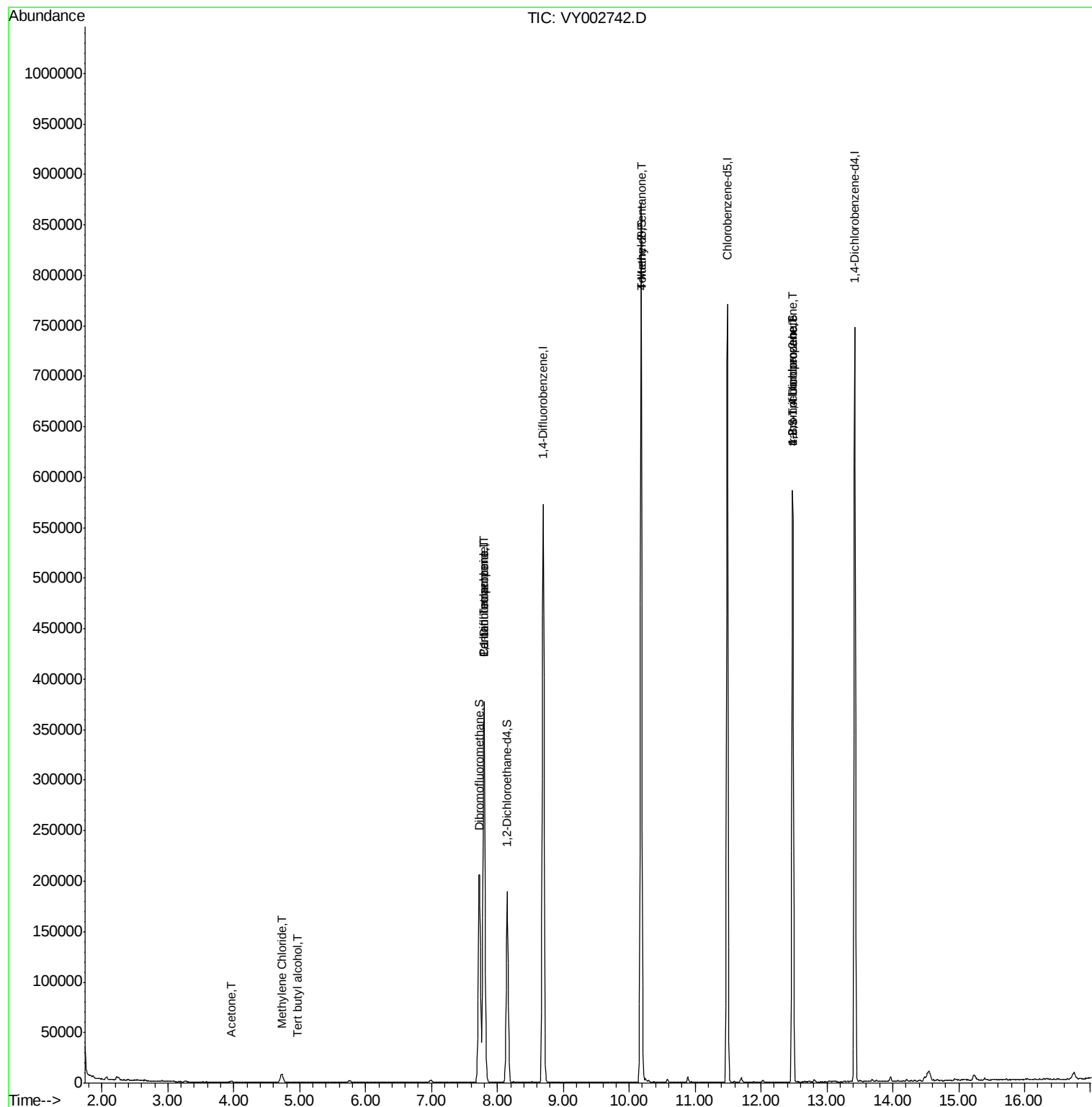
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	991	3.891	ug/l #	74
16) Acetone	3.96	43	1637	3.166	ug/l	98
20) Methylene Chloride	4.73	84	6914	2.212	ug/l	92
36) 1,1-Dichloropropene	7.80	75	19624	4.551	ug/l #	48
38) Carbon Tetrachloride	7.80	117	28240	6.094	ug/l #	15
51) 4-Methyl-2-Pentanone	10.18	43	2188	1.075	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	87922	53.290	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87922	100.782	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.00	180	147	Below Cal		80
96) 1,2,3-Trichlorobenzene	15.42	180	54	Below Cal	#	1

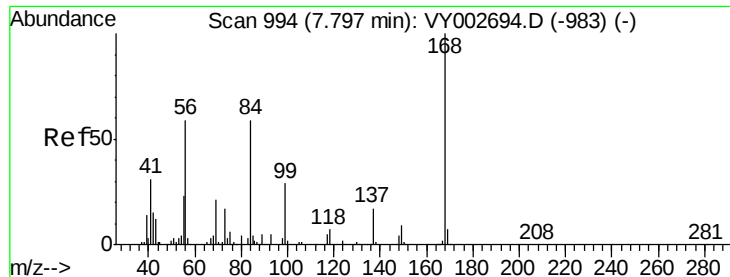
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260
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: VY002742.D

Acq: 21 May 2020 15:40

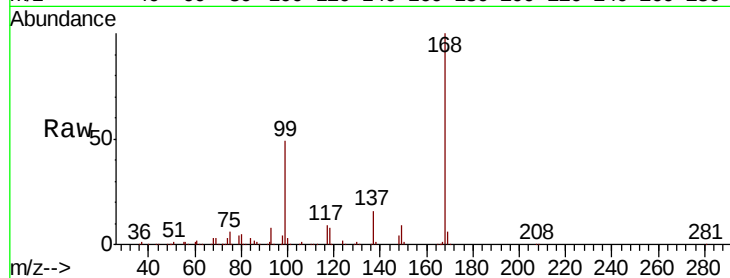
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 320627

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002742.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002742.D (-945) (-)

7.80

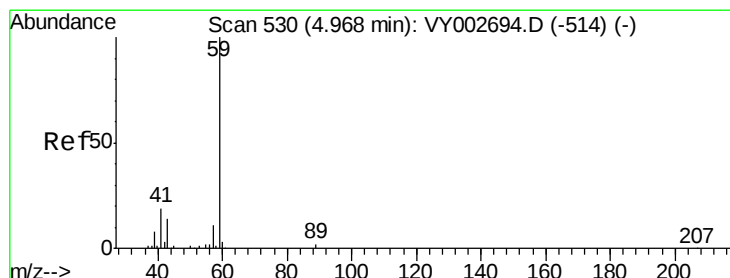
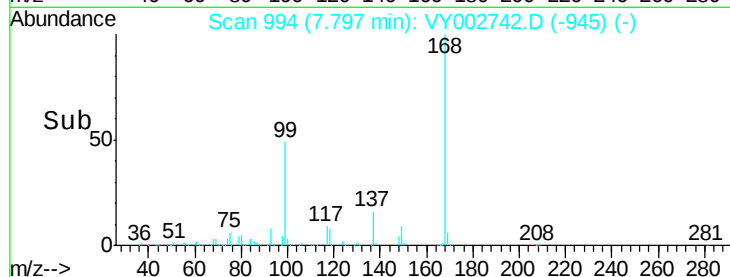
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.891 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY002742.D

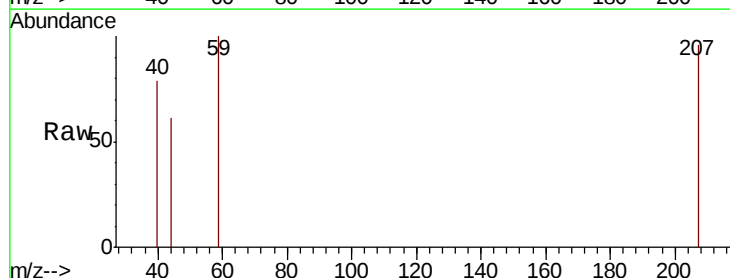
Acq: 21 May 2020 15:40

Tgt Ion: 59 Resp: 991

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002742.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002742.D (-481) (-)

4.97

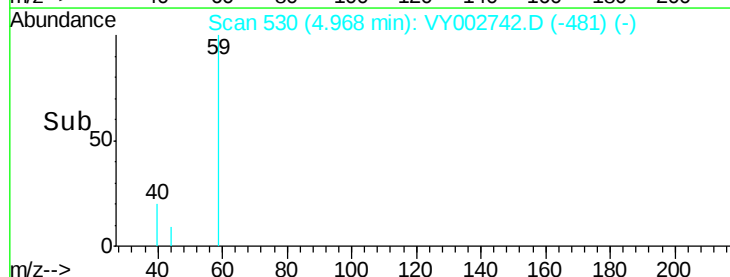
300

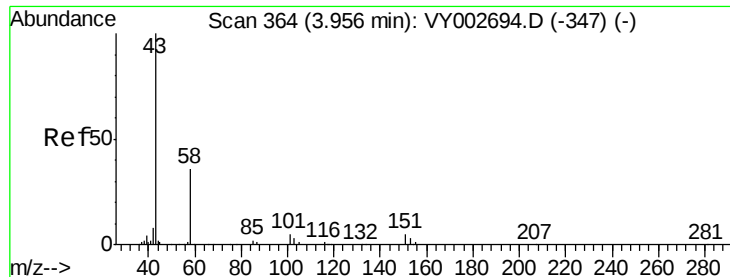
200

100

0

Time-->





#16

Acetone

Concen: 3.166 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

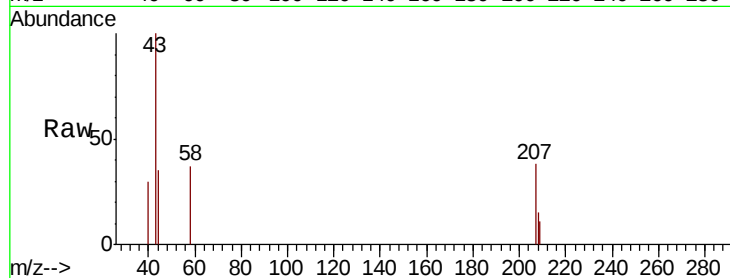
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1637

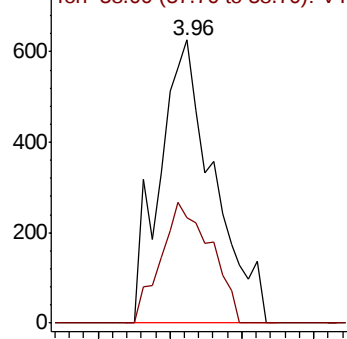
Ion Ratio Lower Upper

43 100

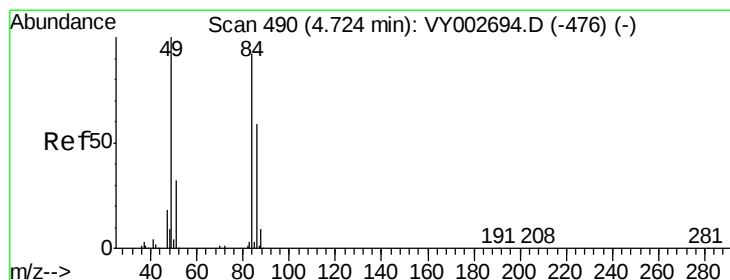
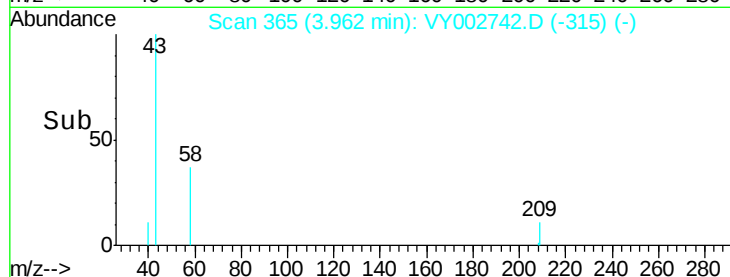
58 37.1 28.6 43.0



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



Time-->



#20

Methylene Chloride

Concen: 2.212 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

Tgt Ion: 84 Resp: 6914

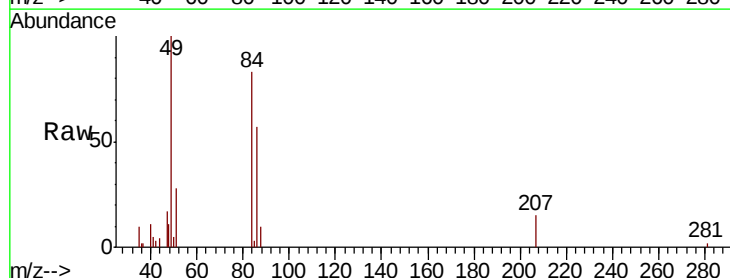
Ion Ratio Lower Upper

84 100

49 121.2 87.4 131.0

51 34.1 27.9 41.9

86 69.3 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VY002694.D (-476) (-)

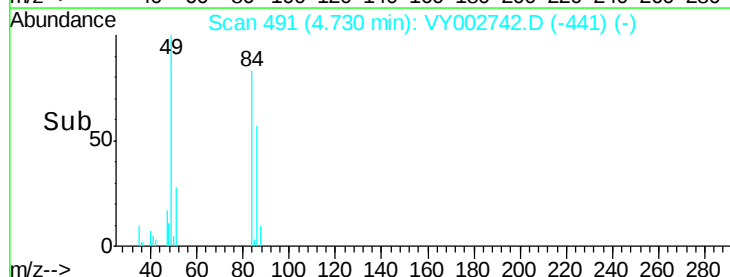
Ion 48.90 (48.60 to 49.60): VY002694.D (-476) (-)

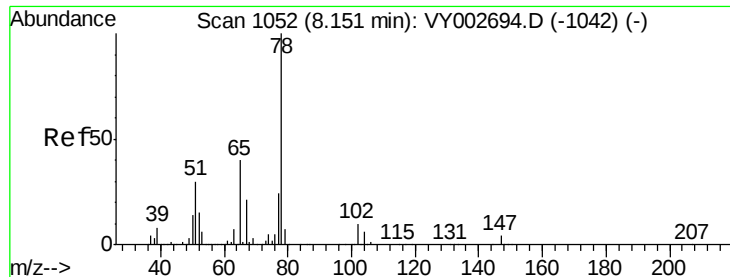
Ion 50.90 (50.60 to 51.60): VY002694.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY002694.D (-476) (-)

4.73

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.499 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

Instrument :

MSVOA_Y

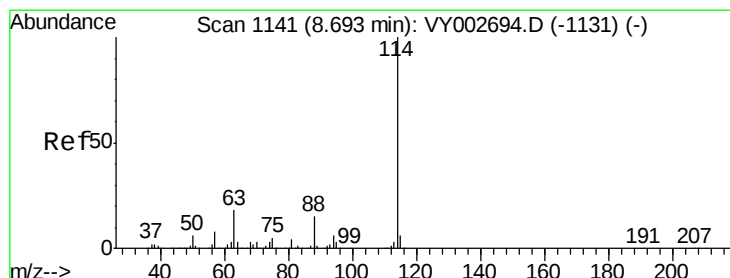
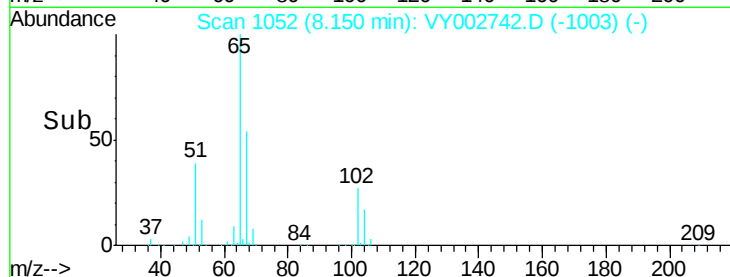
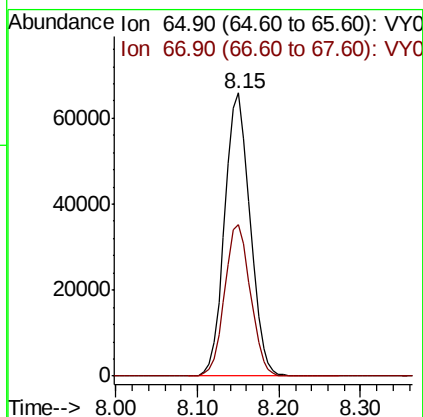
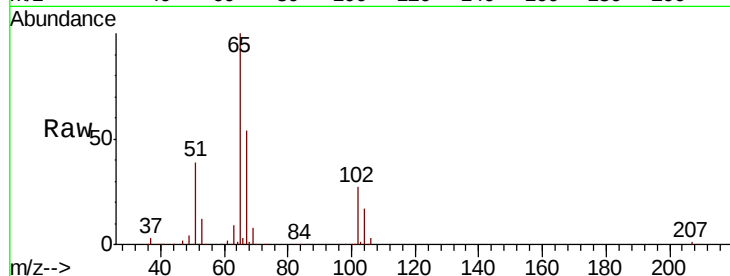
ClientSampleId :

Tot Ion: 65 Resp: 141697

Ion Ratio Lower Upper

65 100

67 54.0 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: VY002742.D

Acq: 21 May 2020 15:40

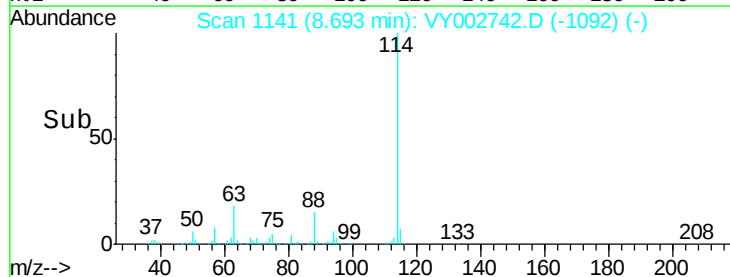
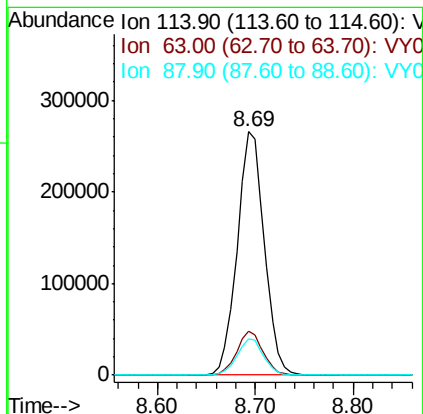
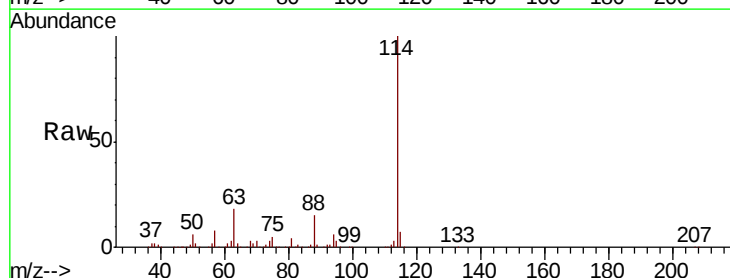
Tgt Ion: 114 Resp: 509350

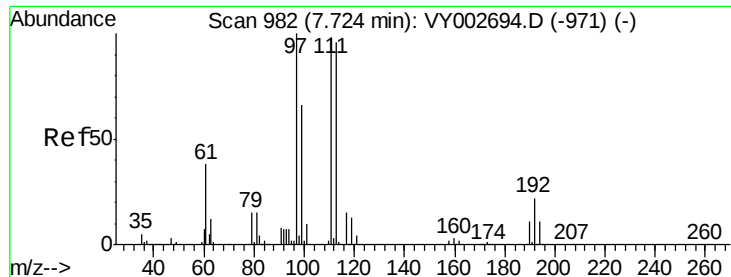
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 15.1 0.0 29.4

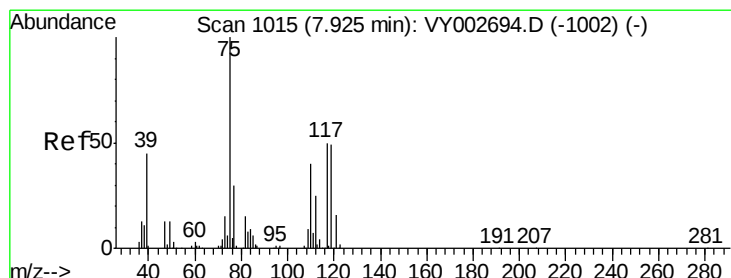
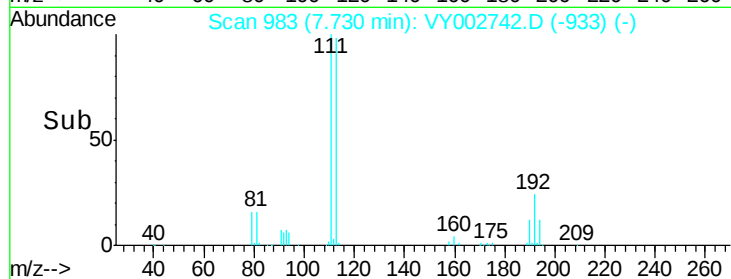
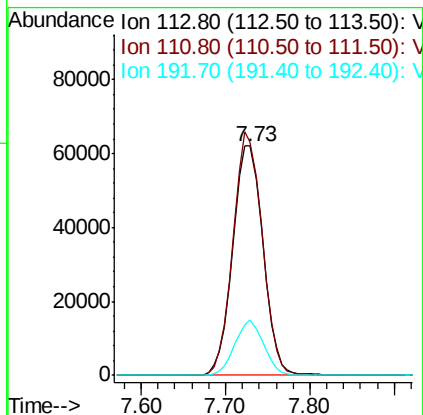
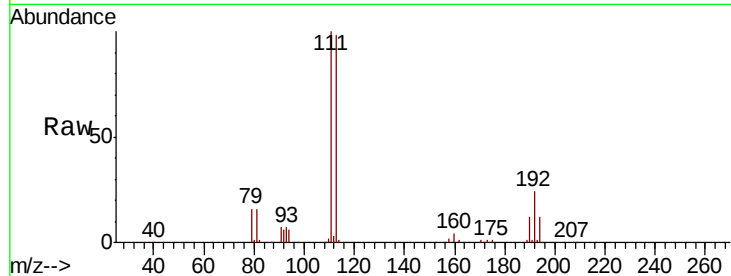




#35
 Dibromofluoromethane
 Concen: 53.687 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY002742.D
 Acq: 21 May 2020 15:40

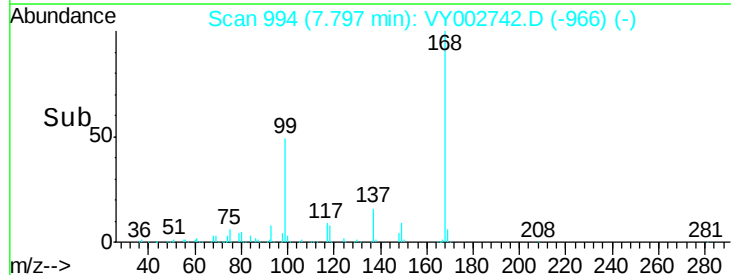
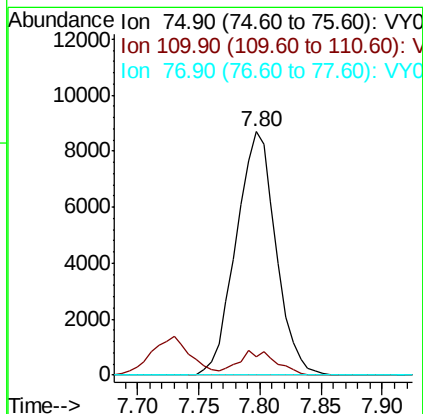
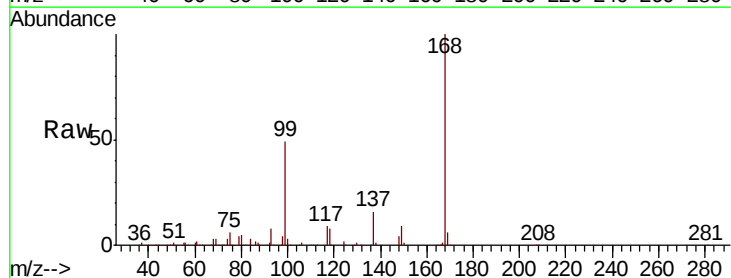
Instrument :
 MSVOA_Y
 ClientSampleId :

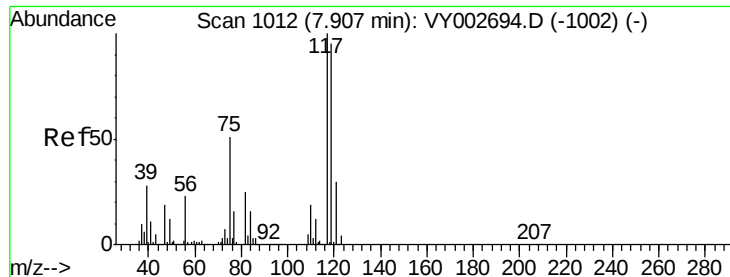
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	22.9	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.551 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002742.D
 Acq: 21 May 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.4	58.4#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.094 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

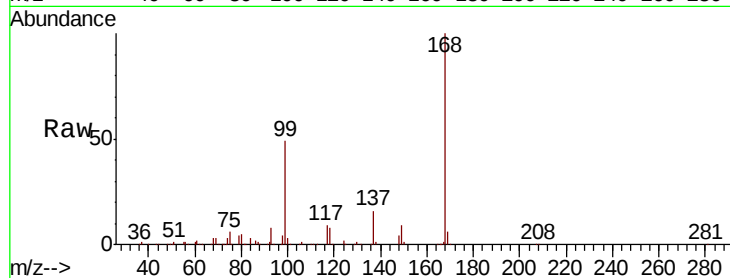
Tot Ion:117 Resp: 28240

Ion Ratio Lower Upper

117 100

119 4.1 76.3 114.5#

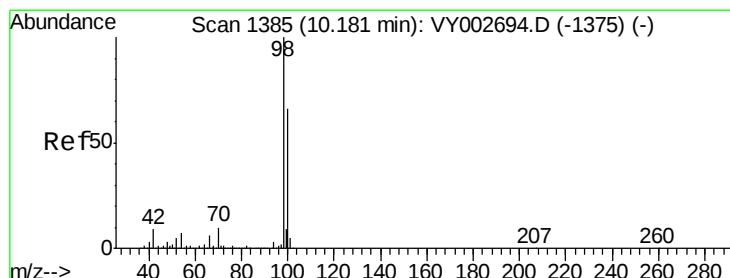
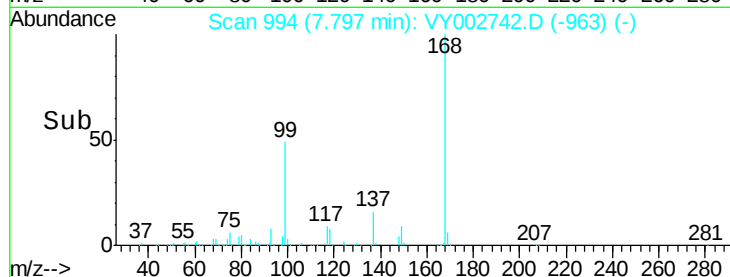
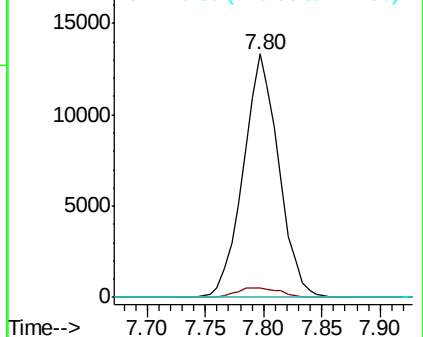
121 0.0 24.2 36.2#



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: 52.156 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002742.D

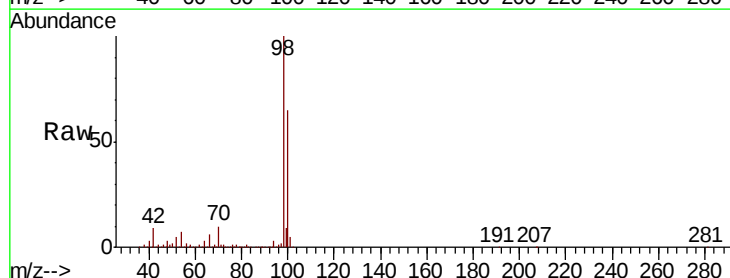
Acq: 21 May 2020 15:40

Tgt Ion: 98 Resp: 590259

Ion Ratio Lower Upper

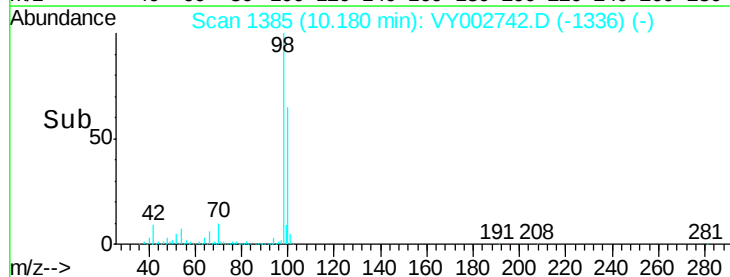
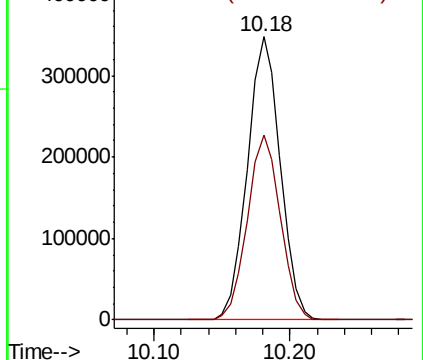
98 100

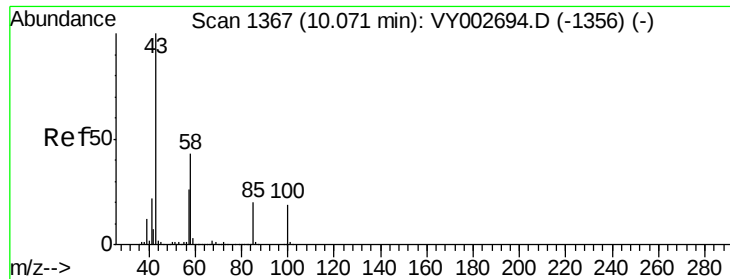
100 65.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.075 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

Instrument :

MSVOA_Y

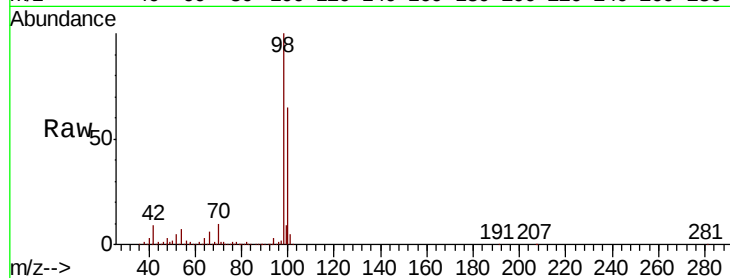
ClientSampleId :

Tot Ion: 43 Resp: 2188

Ion Ratio Lower Upper

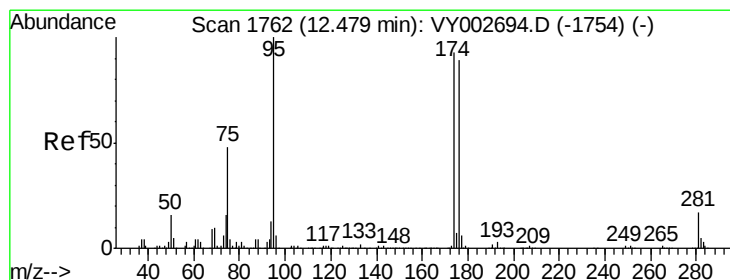
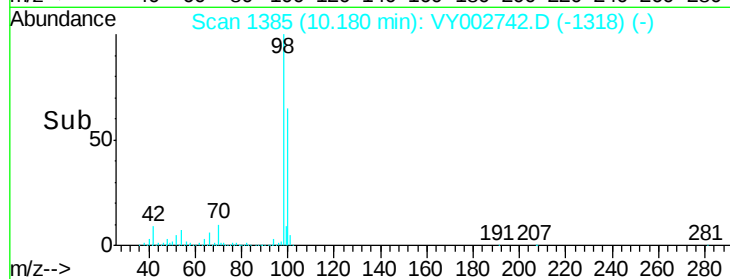
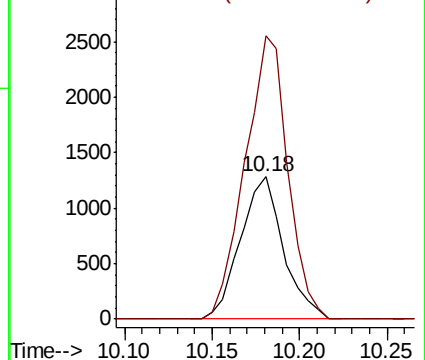
43 100

58 198.0 34.1 51.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 47.213 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

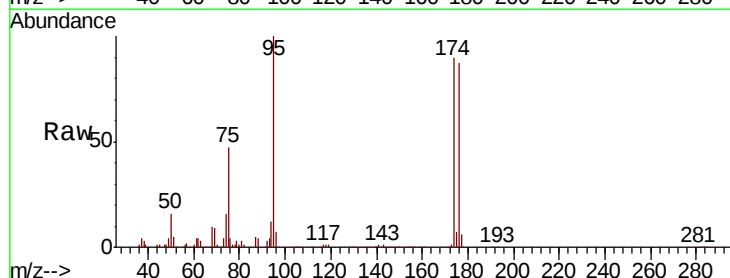
Tgt Ion: 95 Resp: 183648

Ion Ratio Lower Upper

95 100

174 93.5 0.0 191.4

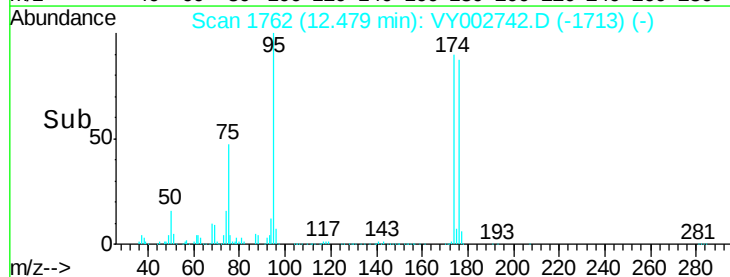
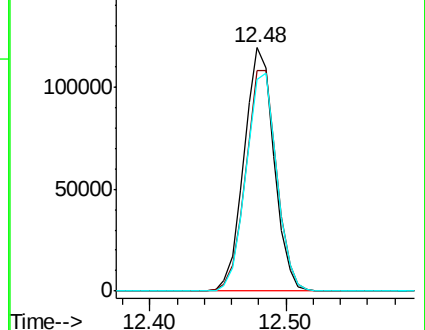
176 91.3 0.0 186.0

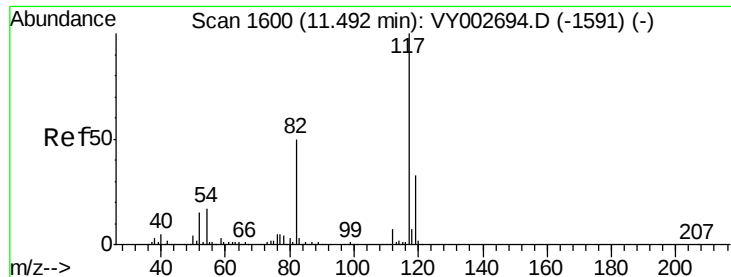


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

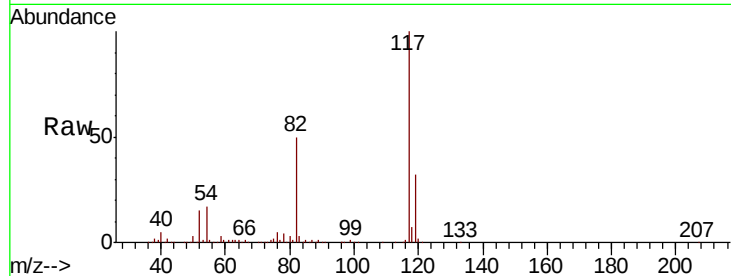




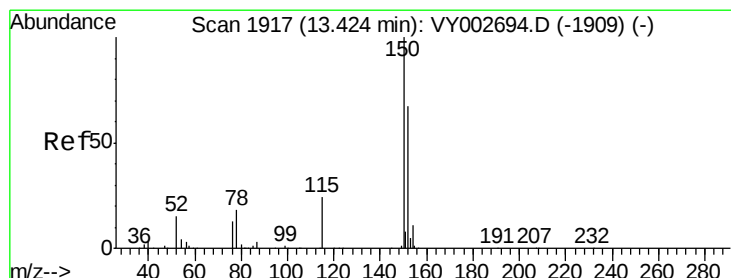
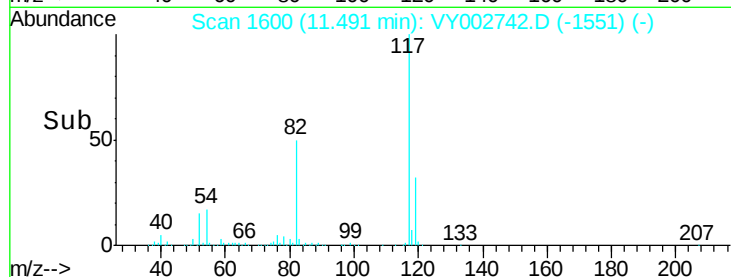
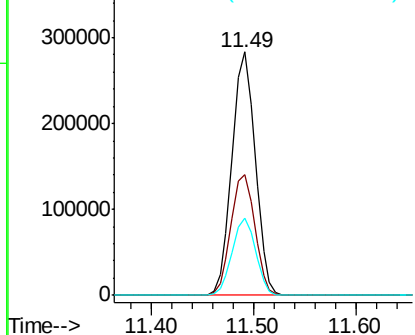
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002742.D
Acq: 21 May 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 447601
Ion Ratio Lower Upper
117 100
82 49.6 40.3 60.5
119 31.6 26.2 39.4

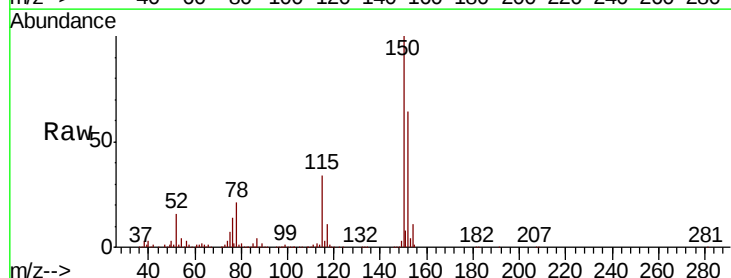


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

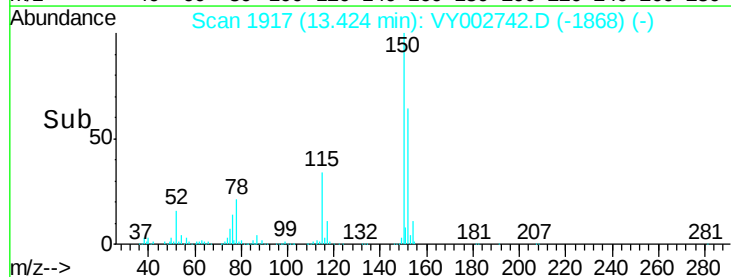
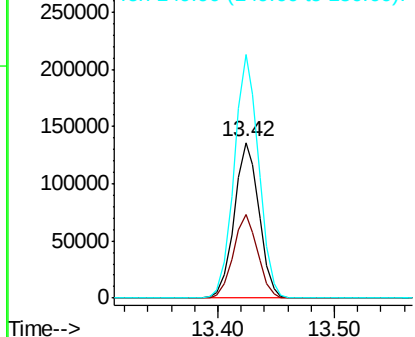


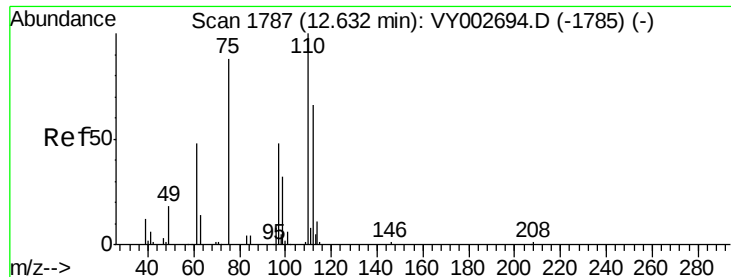
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002742.D
Acq: 21 May 2020 15:40

Tgt Ion:152 Resp: 200846
Ion Ratio Lower Upper
152 100
115 53.1 27.2 81.6
150 155.6 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: 53.290 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

Instrument :

MSVOA_Y

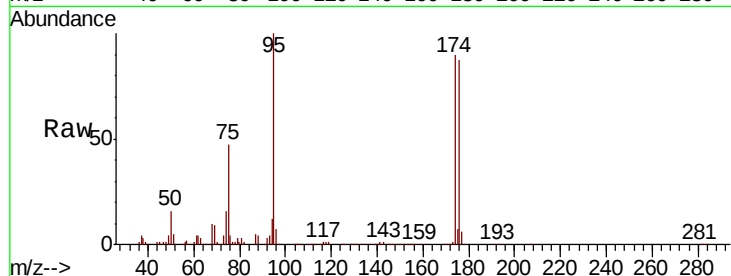
ClientSampleId :

Tot Ion: 75 Resp: 87922

Ion Ratio Lower Upper

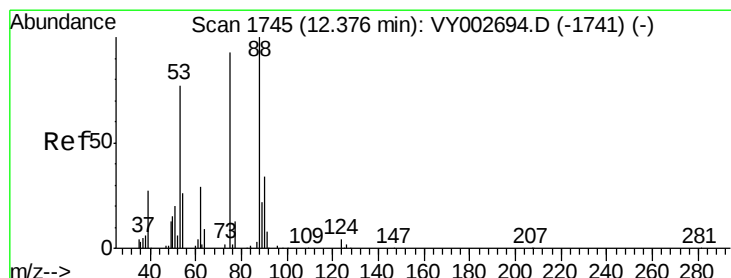
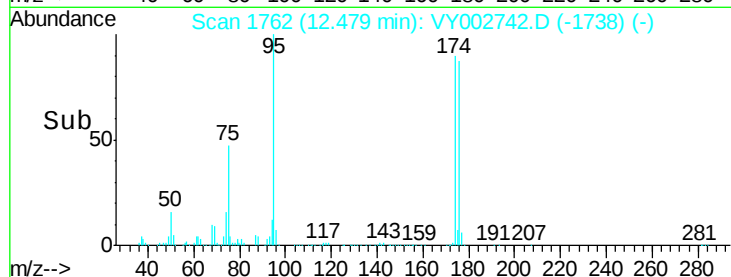
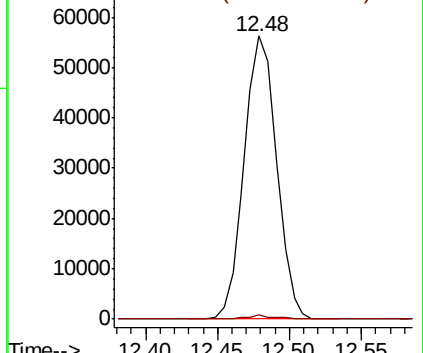
75 100

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: 100.782 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002742.D

Acq: 21 May 2020 15:40

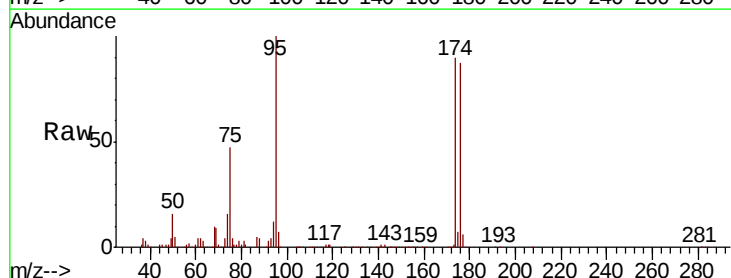
Tgt Ion: 75 Resp: 87922

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

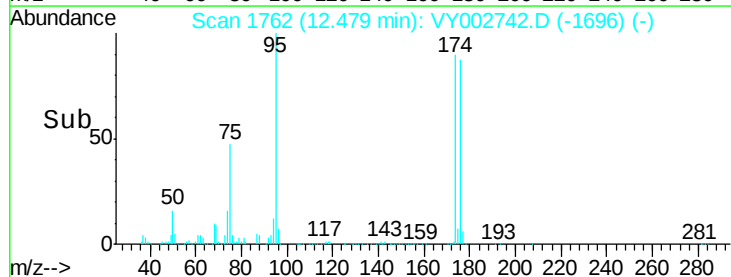
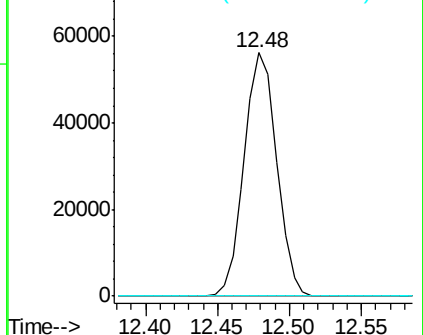
89 0.0 66.6 99.8#

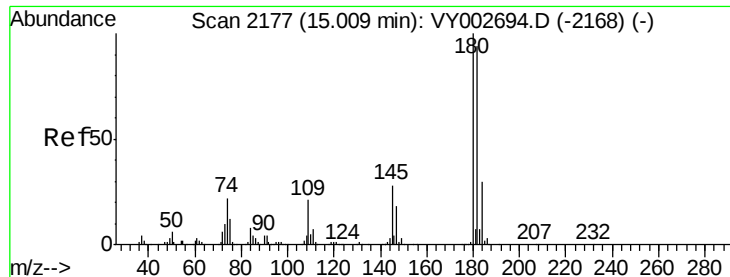


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

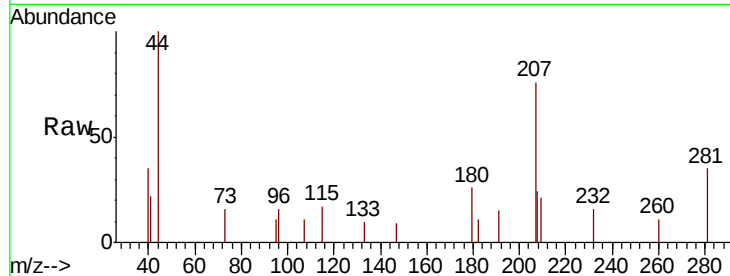




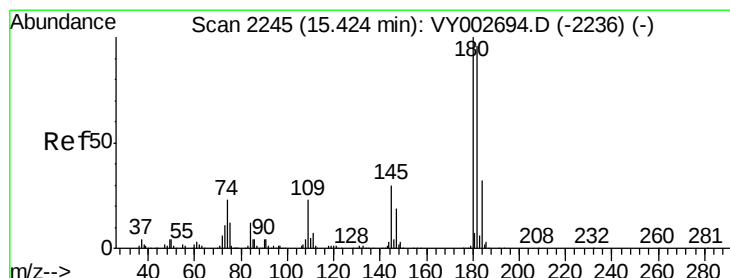
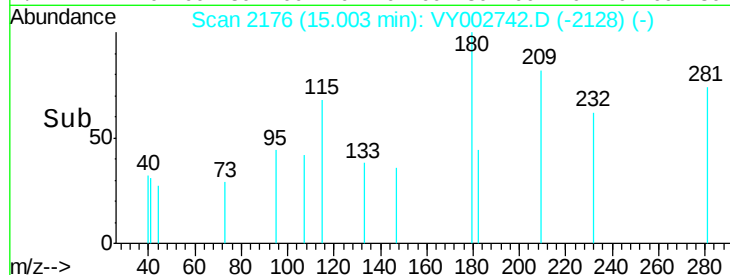
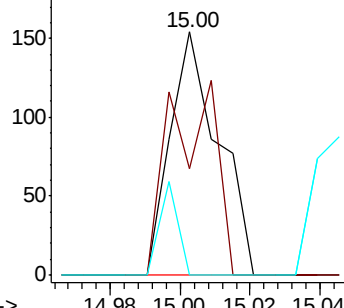
#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002742.D
 Acq: 21 May 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:180 Resp: 147
 Ion Ratio Lower Upper
 180 100
 182 76.2 47.3 142.0
 145 15.0 14.1 42.2

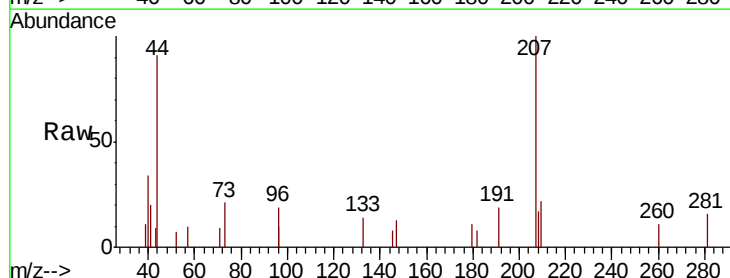


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY002742.D
 Acq: 21 May 2020 15:40

Tgt Ion:180 Resp: 54
 Ion Ratio Lower Upper
 180 100
 182 220.4 47.6 142.9#
 145 90.7 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

