

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002538.D
 Acq On : 04 May 2020 14:11
 Operator : SY/MD
 Sample : L2452-07
 Misc : 6.69G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 209

Quant Time: May 05 07:05:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	288085	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	465081	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	409345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	181940	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	143031	59.05	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	118.10%	
35) Dibromofluoromethane	7.72	113	142621	53.62	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	107.24%	
50) Toluene-d8	10.18	98	539127	51.90	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.49	95	167247	47.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.90%	

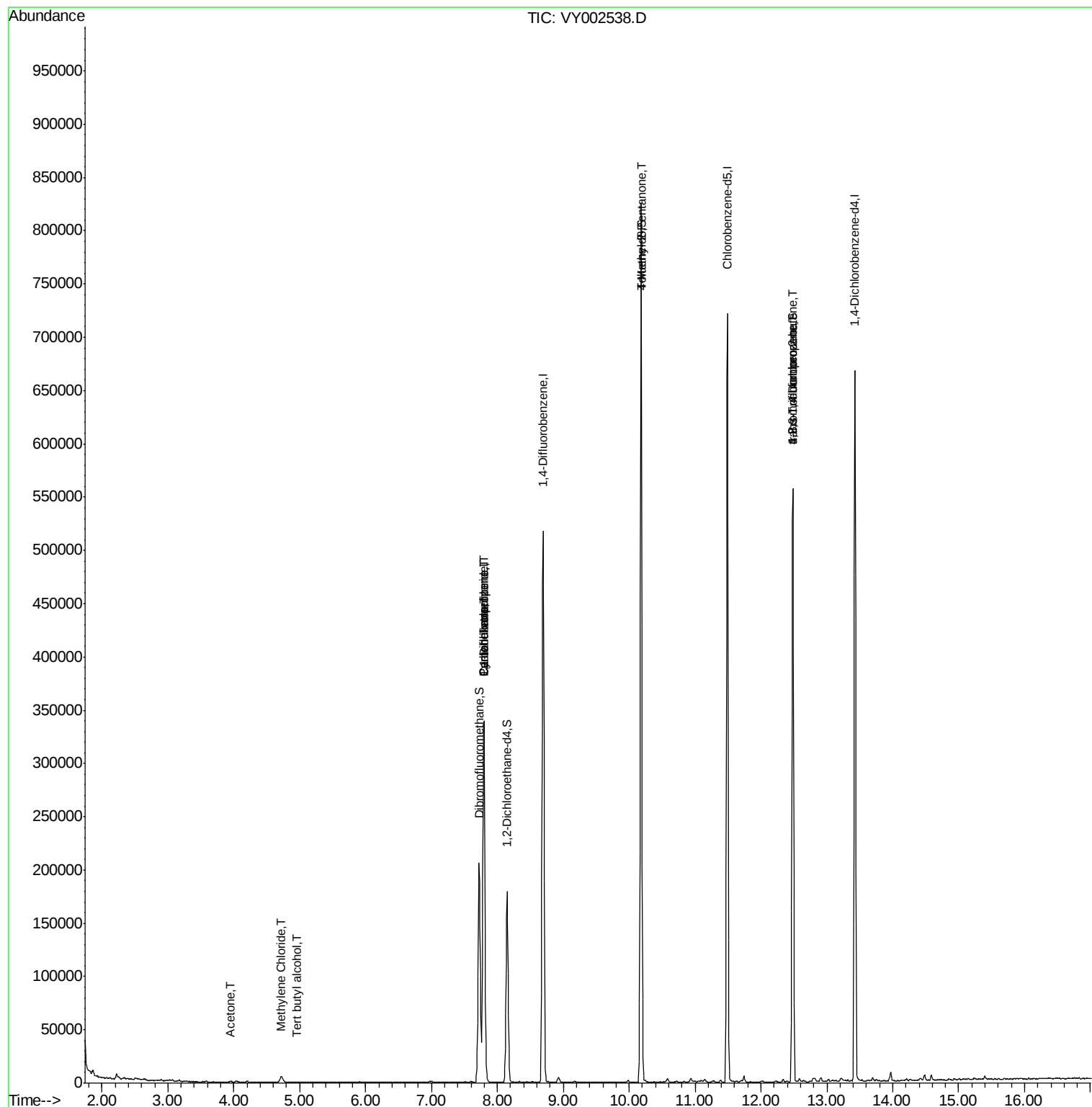
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	466	1.870	ug/l #	74
16) Acetone	3.95	43	1063	2.126	ug/l	98
20) Methylene Chloride	4.72	84	4537	1.623	ug/l #	89
31) Cyclohexane	7.80	56	4580	1.052	ug/l #	13
36) 1,1-Dichloropropene	7.80	75	18097	4.642	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26214	6.158	ug/l #	16
51) 4-Methyl-2-Pentanone	10.17	43	1969	1.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	82268	50.882	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	82268	102.028	ug/l #	15

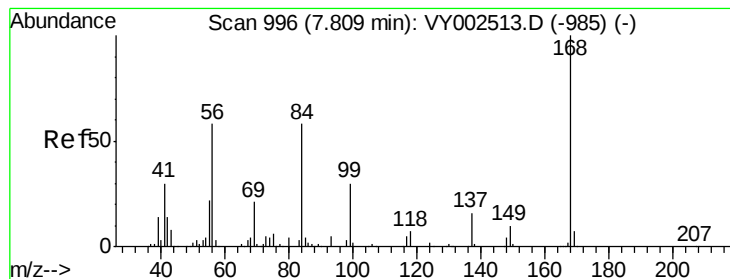
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

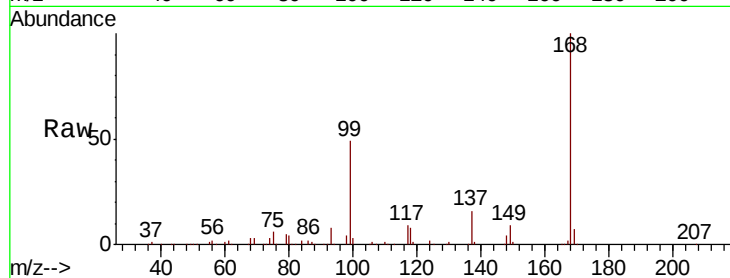
209

Tot Ion:168 Resp: 288085

Ion Ratio Lower Upper

168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

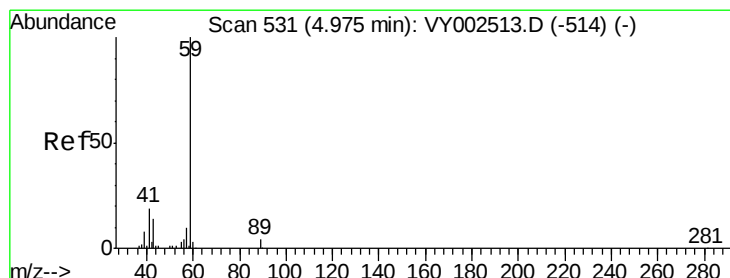
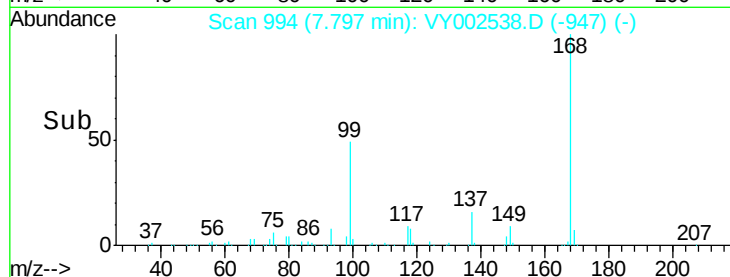
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.870 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002538.D

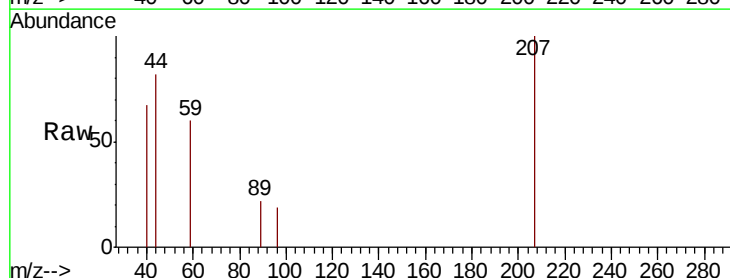
Acq: 04 May 2020 14:11

Tgt Ion: 59 Resp: 466

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002513.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002513.D (-514) (-)

4.95

200

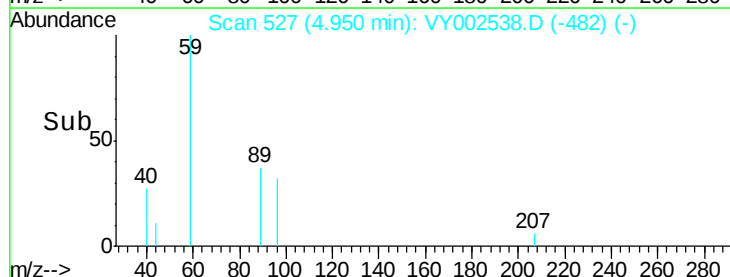
150

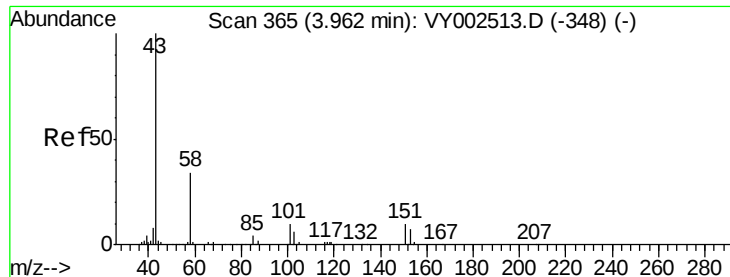
100

50

0

Time-->





#16

Acetone

Concen: 2.126 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

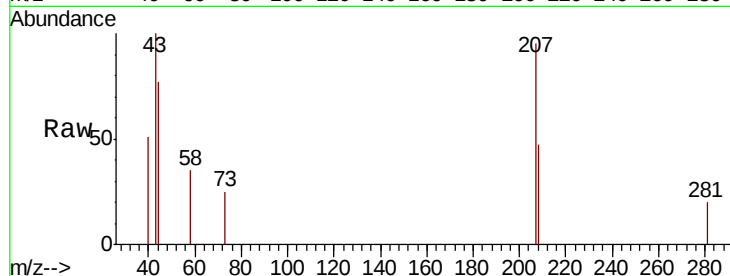
209

Tot Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

58 34.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

400

300

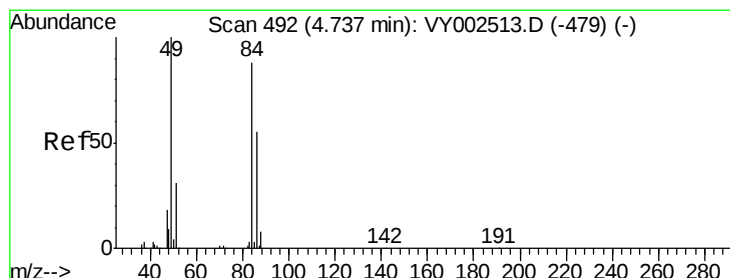
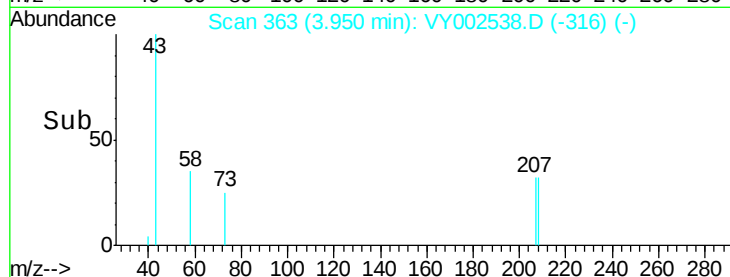
200

100

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 1.623 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.01 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

Tgt Ion: 84 Resp: 4537

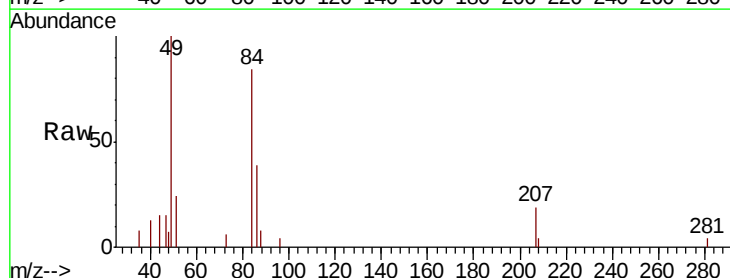
Ion Ratio Lower Upper

84 100

49 119.3 90.5 135.7

51 29.1 28.3 42.5

86 46.3 49.9 74.9#



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

3000

2500

2000

1500

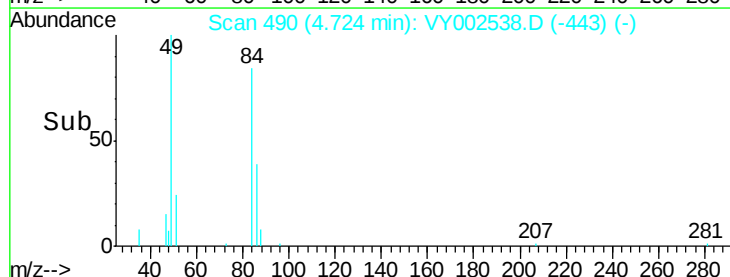
1000

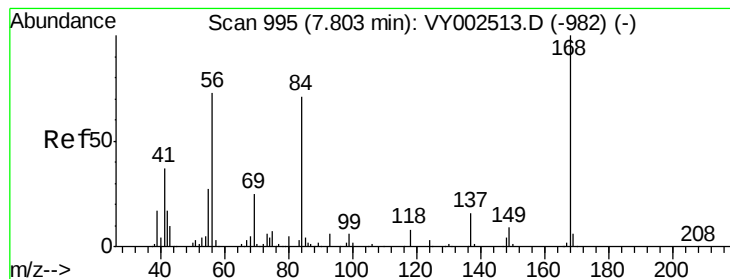
500

0

4.60 4.65 4.70 4.75 4.80

Time-->





#31

Cyclohexane

Concen: 1.052 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

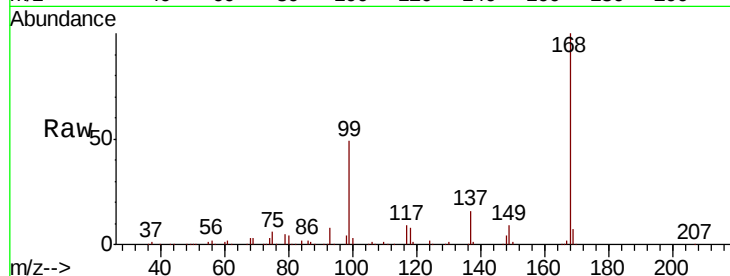
Lab File: VY002538.D

Acq: 04 May 2020 14:11

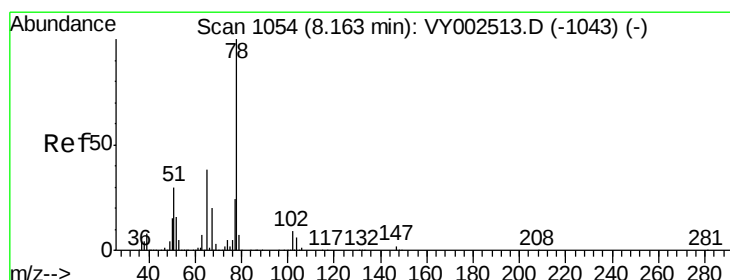
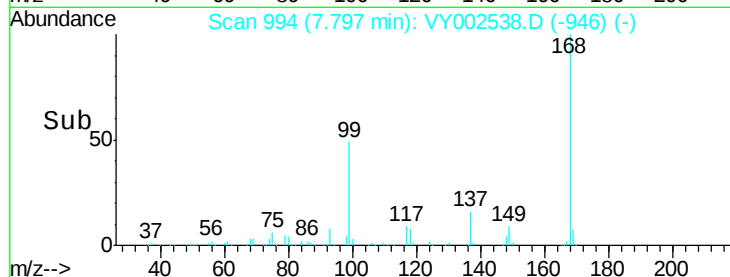
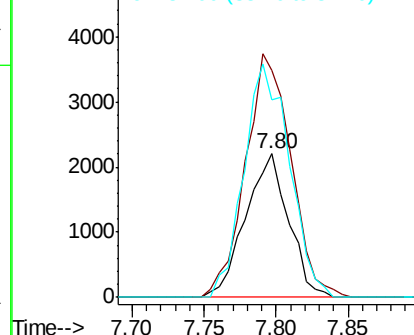
Instrument :
MSVOA_Y
ClientSampled :
209

Tot Ion: 56 Resp: 4580

Ion	Ratio	Lower	Upper
56	100		
69	158.0	27.6	41.4#
84	137.8	77.7	116.5#



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: 59.048 ug/l

RT: 8.14 min Scan# 1051

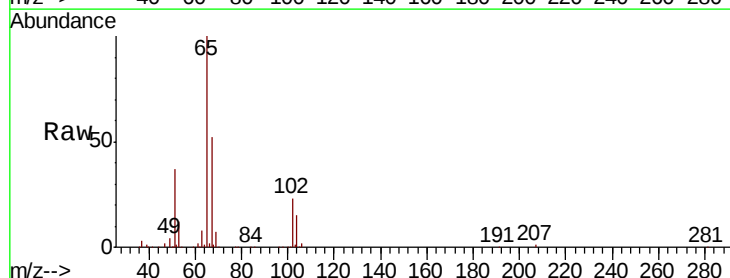
Delta R.T. -0.02 min

Lab File: VY002538.D

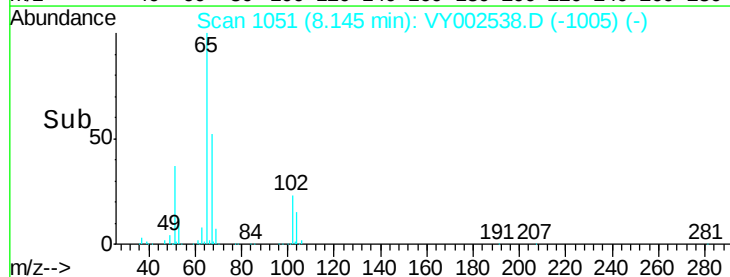
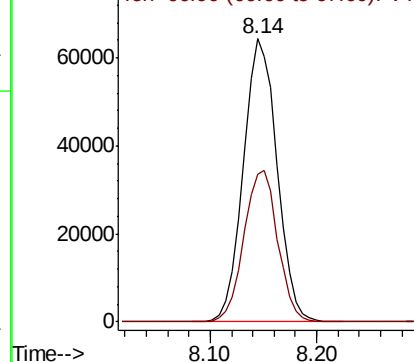
Acq: 04 May 2020 14:11

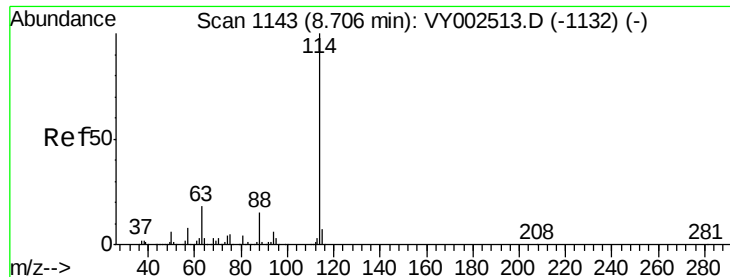
Tgt Ion: 65 Resp: 143031

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.2



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

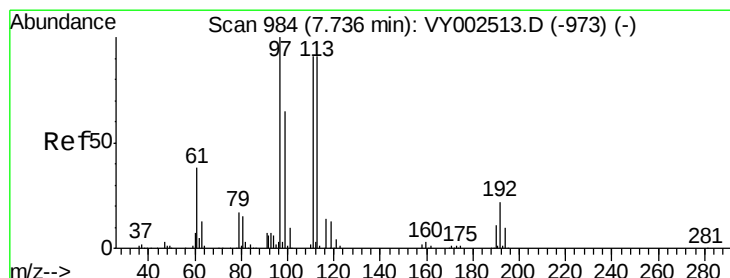
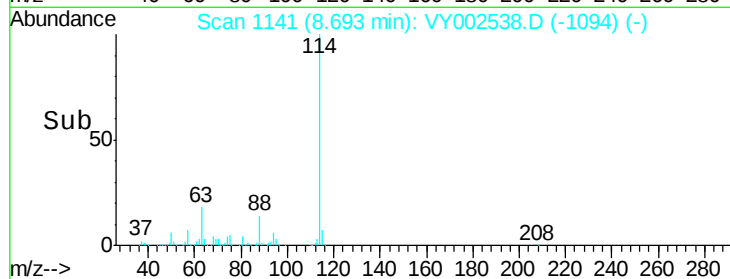
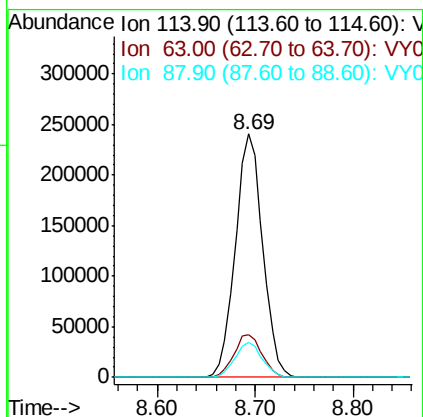
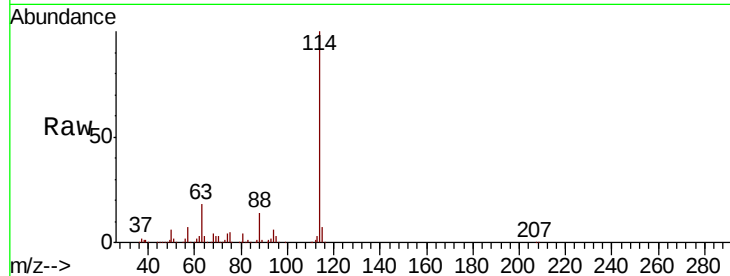




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002538.D
 Acq: 04 May 2020 14:11

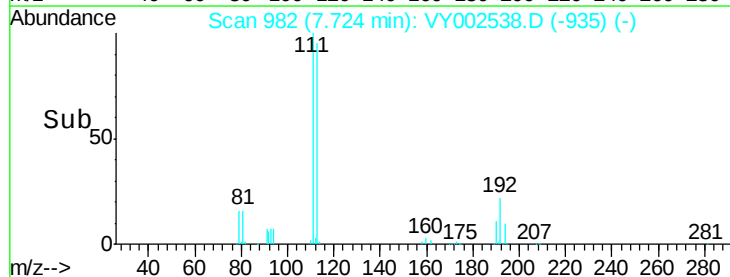
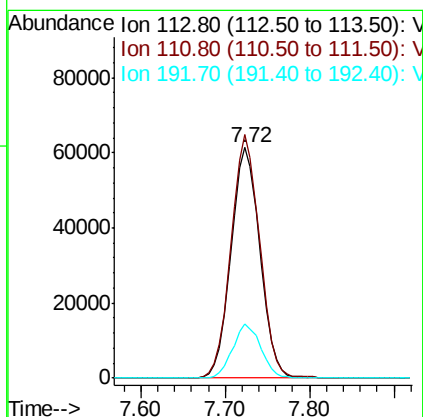
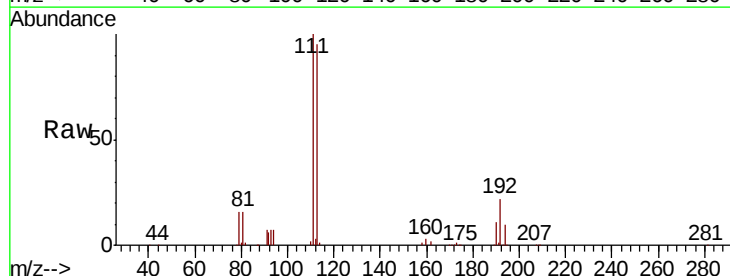
Instrument :
 MSVOA_Y
 ClientSampleId :
 209

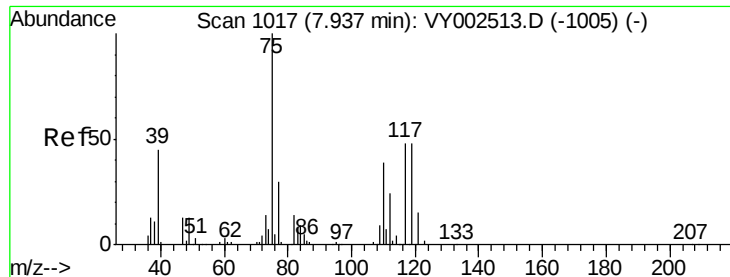
Tot Ion:114 Resp: 465081
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.4
 88 14.2 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 53.621 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002538.D
 Acq: 04 May 2020 14:11

Tgt Ion:113 Resp: 142621
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.8 122.6
 192 22.9 18.2 27.4

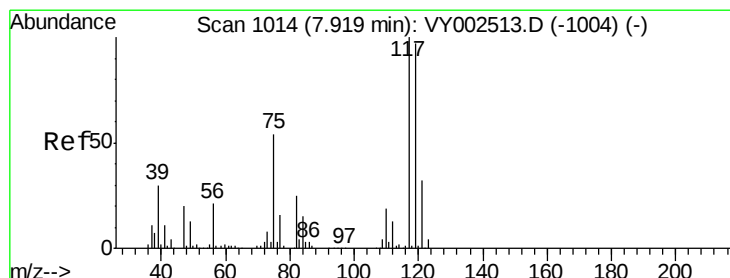
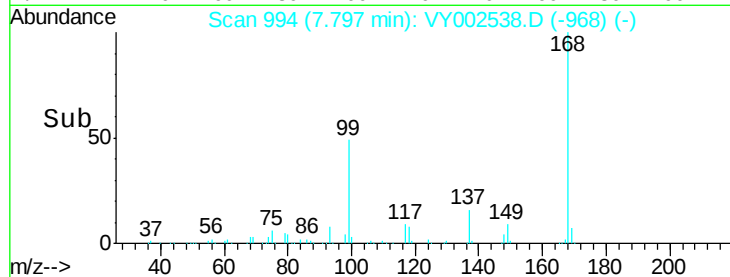
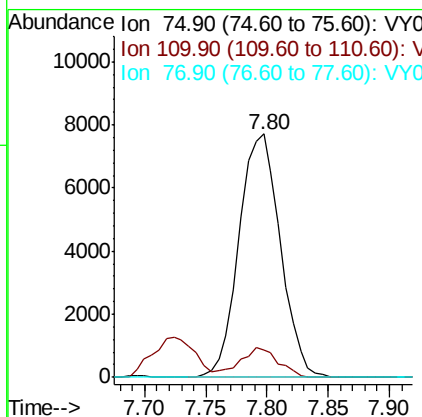
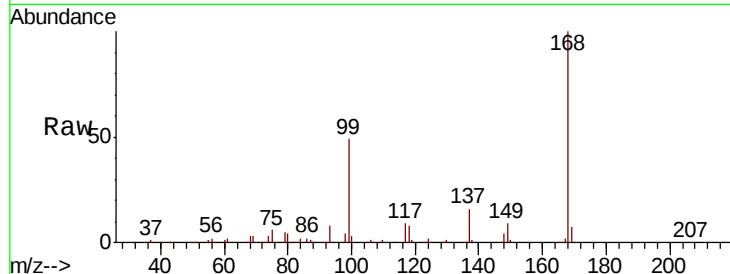




#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002538.D
 Acq: 04 May 2020 14:11

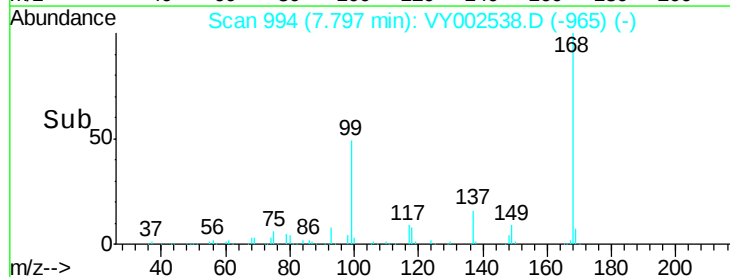
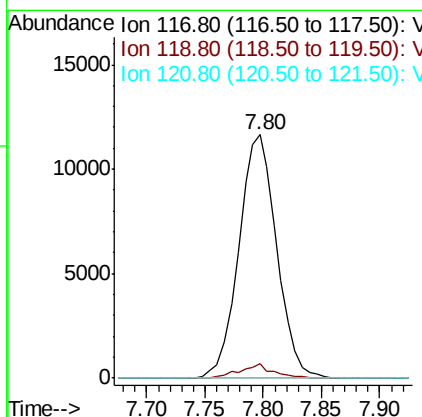
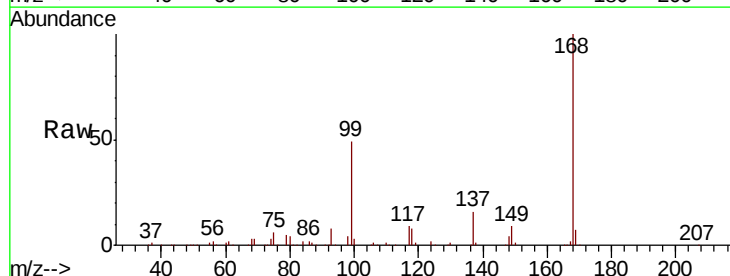
Instrument :
 MSVOA_Y
 ClientSampled :
 209

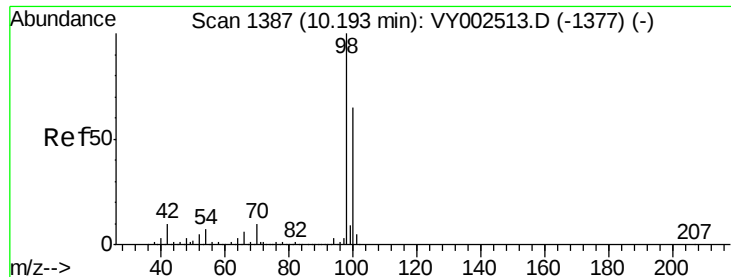
Tot Ion	75	Resp	18097
Ion Ratio	100	Lower	Upper
75	100		
110	11.0	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.158 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002538.D
 Acq: 04 May 2020 14:11

Tgt Ion	117	Resp	26214
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.8	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 51.904 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

Instrument :

MSVOA_Y

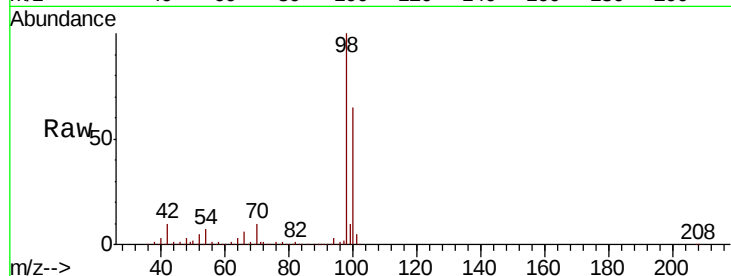
ClientSampleId :
209

Tot Ion: 98 Resp: 539127

Ion Ratio Lower Upper

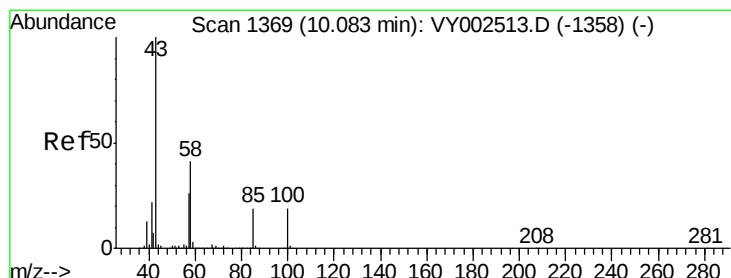
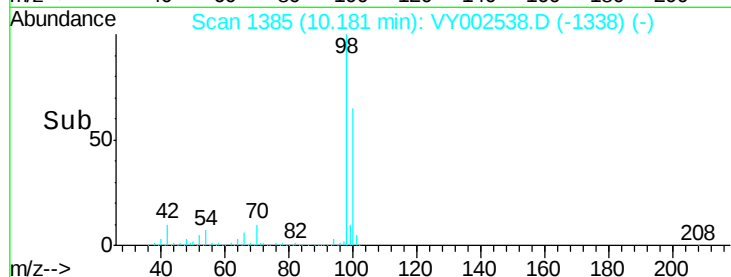
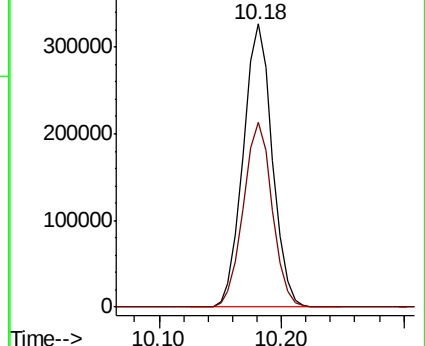
98 100

100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.09 min

Lab File: VY002538.D

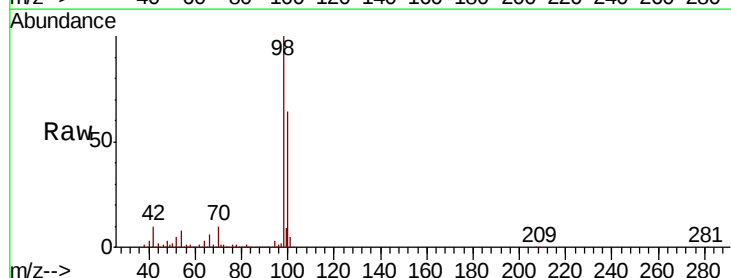
Acq: 04 May 2020 14:11

Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

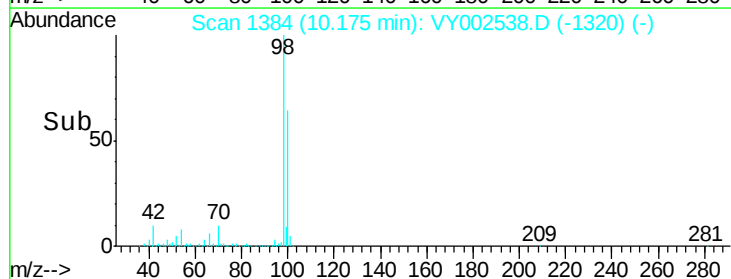
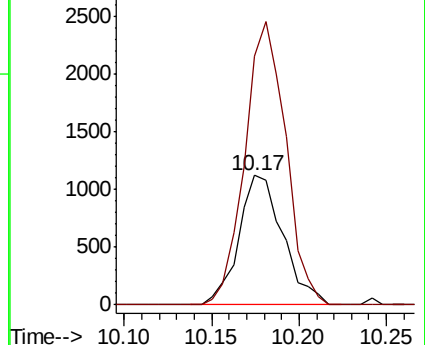
43 100

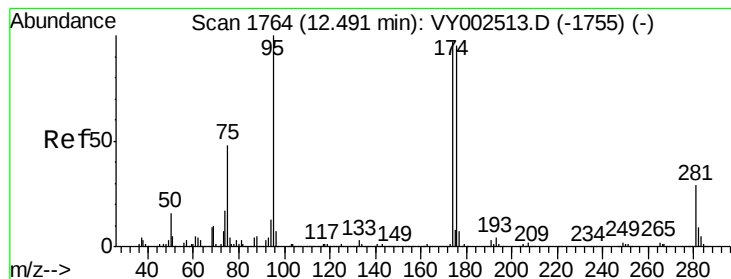
58 201.7 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#62

4-Bromofluorobenzene

Concen: 47.452 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampled :

209

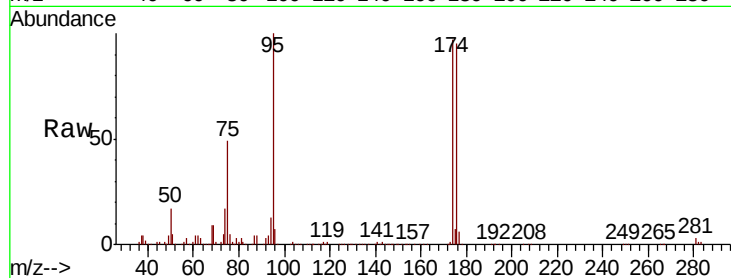
Tot Ion: 95 Resp: 167247

Ion Ratio Lower Upper

95 100

174 93.7 0.0 188.8

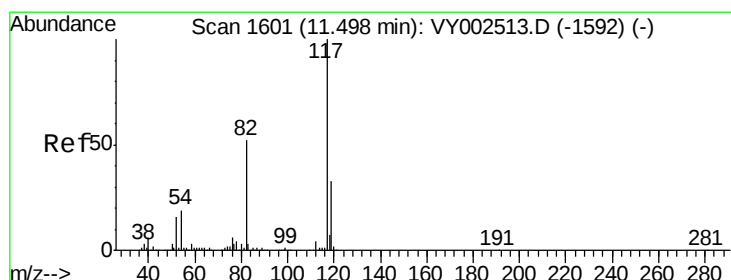
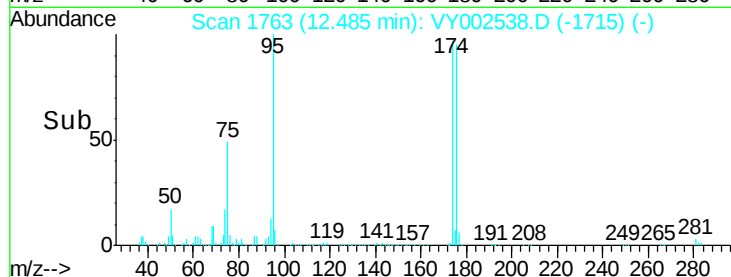
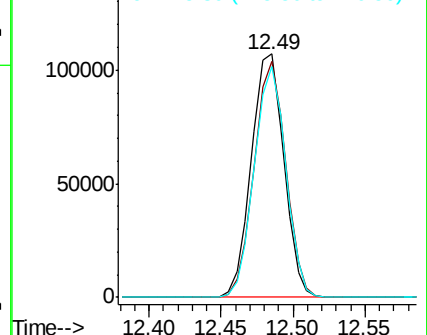
176 91.8 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

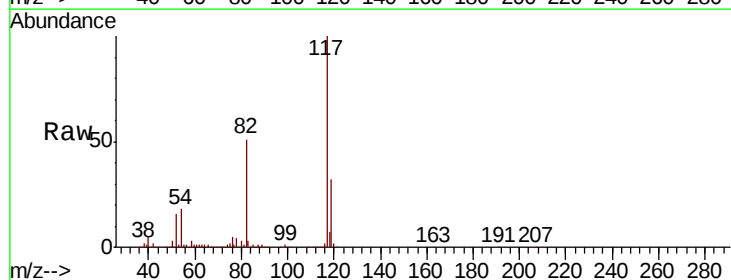
Tgt Ion: 117 Resp: 409345

Ion Ratio Lower Upper

117 100

82 51.1 41.3 61.9

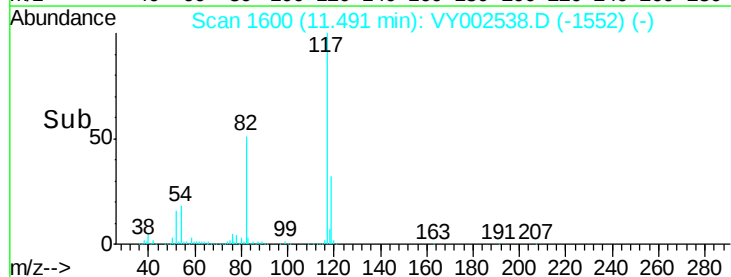
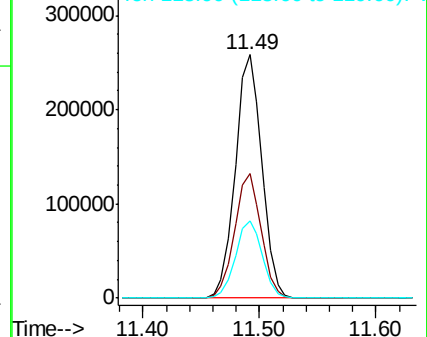
119 31.9 26.0 39.0

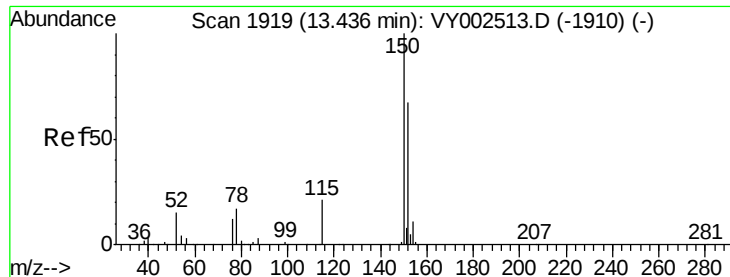


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

209

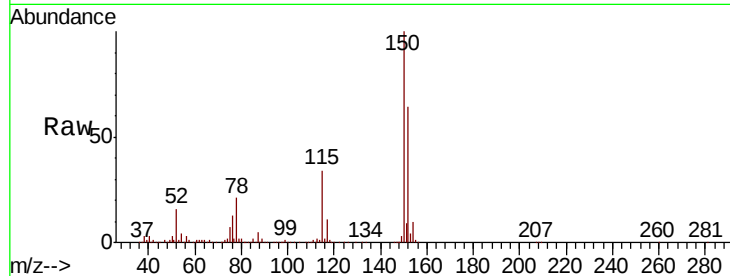
Tot Ion:152 Resp: 181940

Ion Ratio Lower Upper

152 100

115 54.8 27.5 82.4

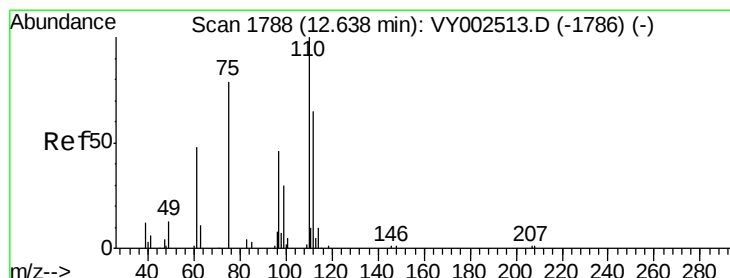
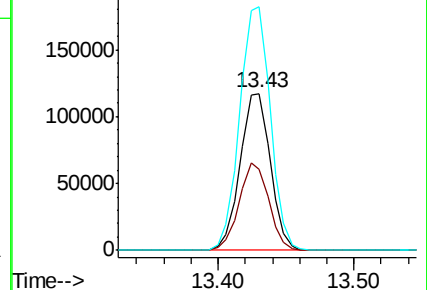
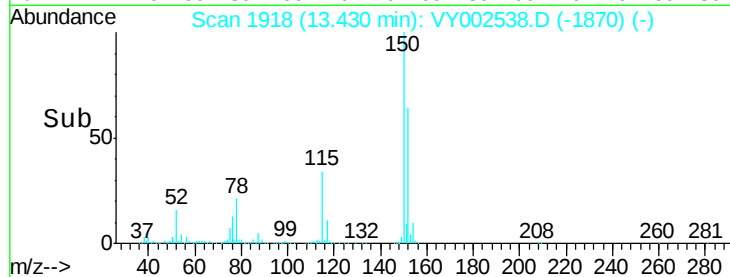
150 157.3 0.0 346.4



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: 50.882 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002538.D

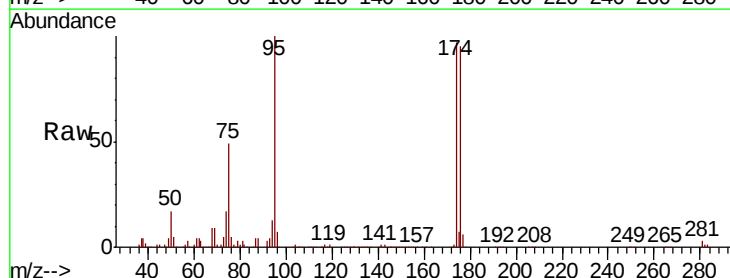
Acq: 04 May 2020 14:11

Tgt Ion: 75 Resp: 82268

Ion Ratio Lower Upper

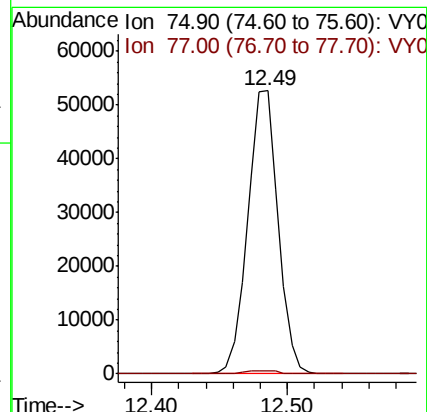
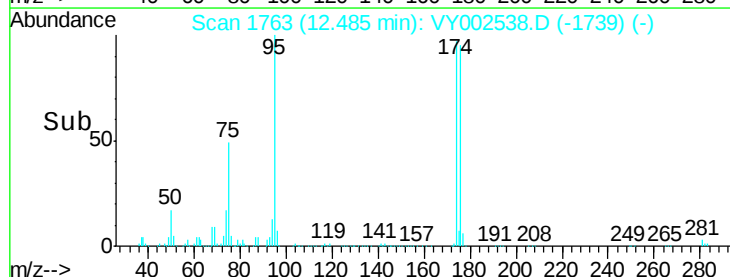
75 100

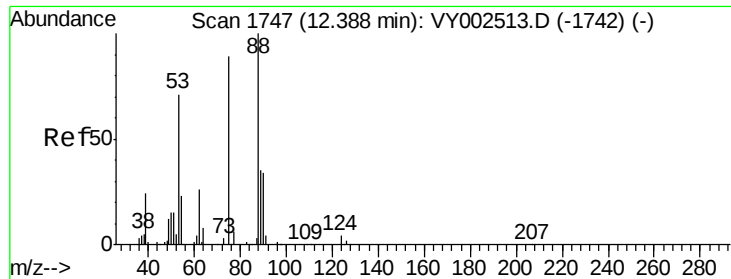
77 1.2 0.0 0.0#



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: 102.028 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002538.D

Acq: 04 May 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

209

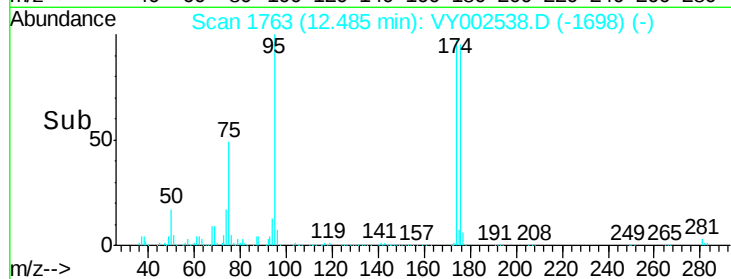
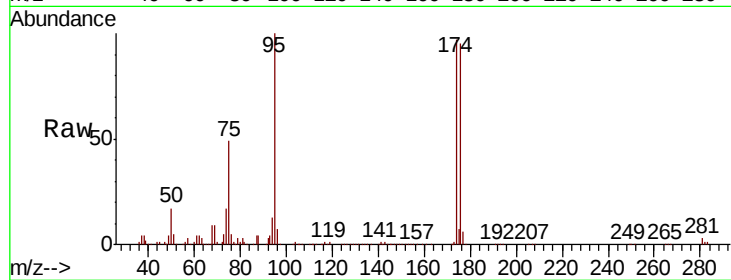
Tot Ion: 75 Resp: 82268

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#



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

