

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002537.D
 Acq On : 04 May 2020 13:49
 Operator : SY/MD
 Sample : L2452-05
 Misc : 6.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:05:33 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	302934	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	494033	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	443049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	216437	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	154344	60.60	ug/l	-0.01
Spiked Amount			Recovery	=	121.20%	
35) Dibromofluoromethane	7.72	113	150846	53.39	ug/l	-0.01
Spiked Amount			Recovery	=	106.78%	
50) Toluene-d8	10.18	98	574067	52.03	ug/l	-0.01
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.48	95	186776	49.89	ug/l	-0.01
Spiked Amount			Recovery	=	99.78%	

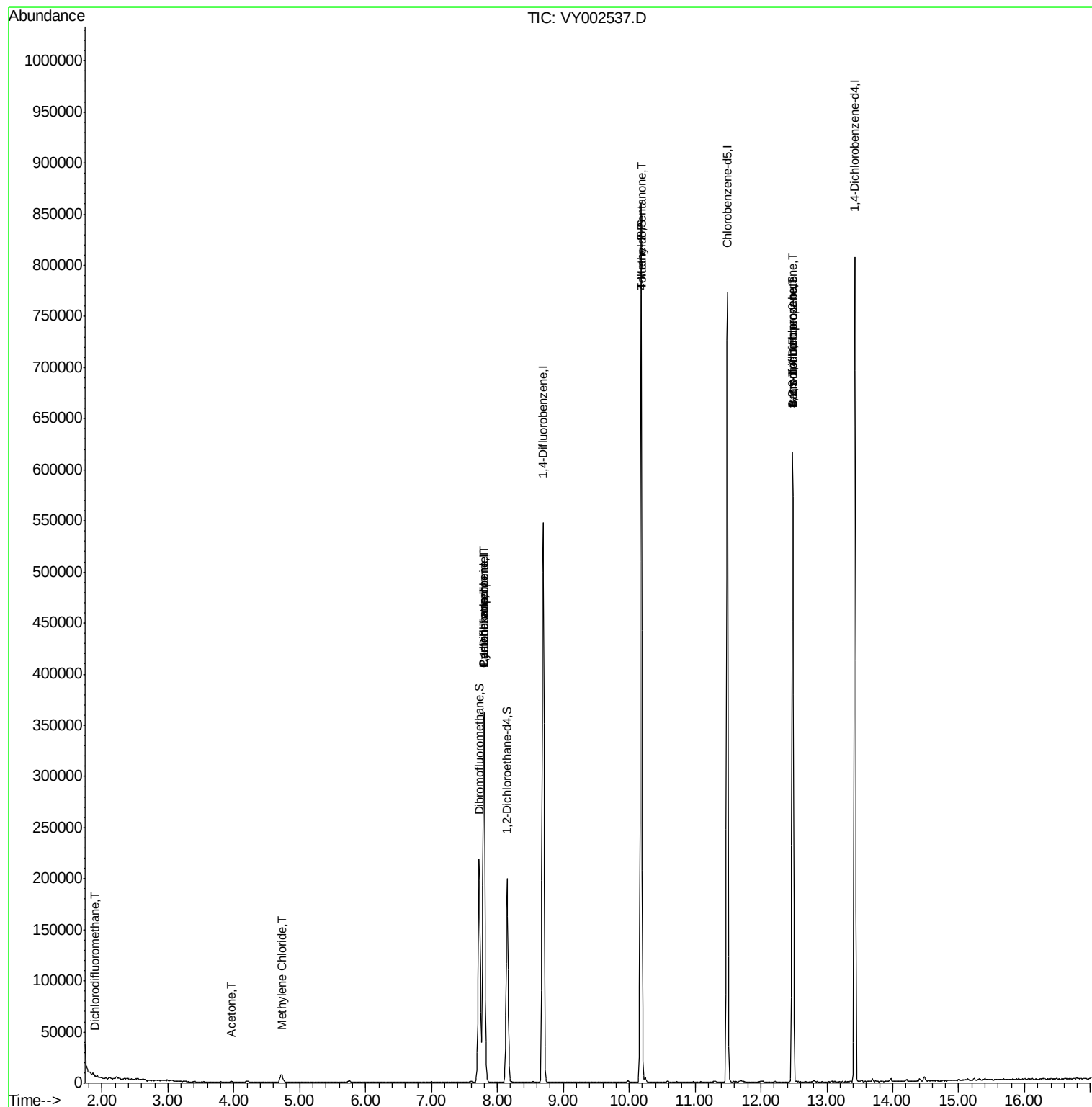
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	110	1.827	ug/l #	43
16) Acetone	3.96	43	1036	1.971	ug/l #	81
20) Methylene Chloride	4.72	84	6367	2.166	ug/l	88
31) Cyclohexane	7.80	56	4642	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	18970	4.580	ug/l #	50
38) Carbon Tetrachloride	7.80	117	27734	6.134	ug/l #	18
51) 4-Methyl-2-Pentanone	10.18	43	2179	1.060	ug/l #	1
71) Bromoform	12.49	173	2018	1.040	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	91372	47.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91372	95.257	ug/l #	15

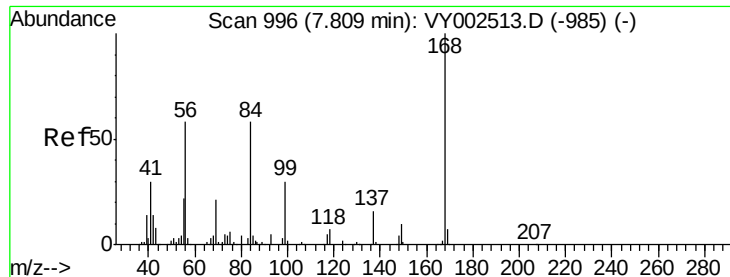
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 05 07:05:33 2020
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: VY002537.D

Acq: 04 May 2020 13:49

Instrument :

MSVOA_Y

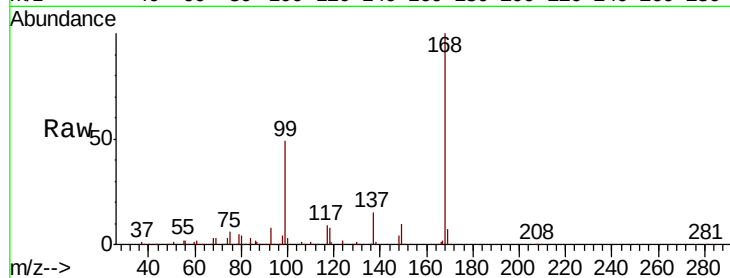
ClientSampleId :

Tot Ion:168 Resp: 302934

Ion Ratio Lower Upper

168 100

99 49.2 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

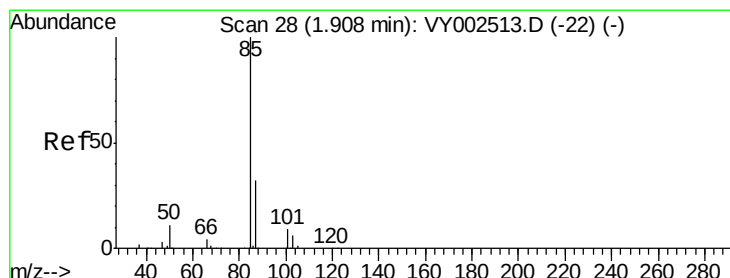
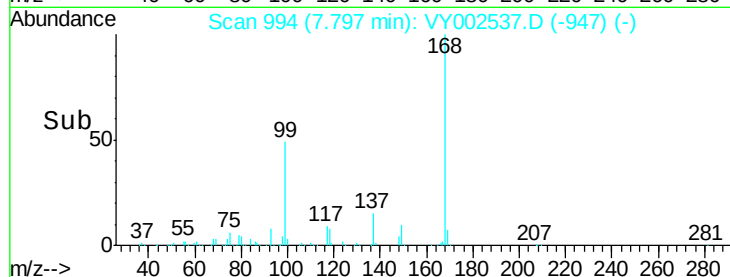
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.827 ug/l

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY002537.D

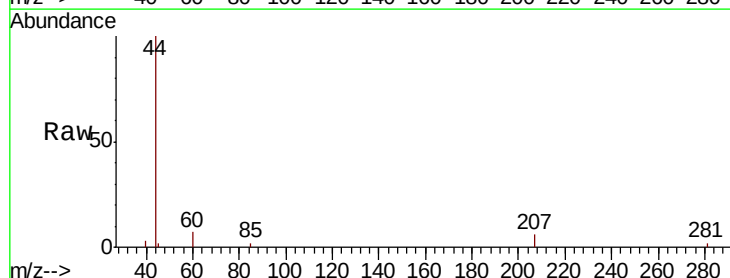
Acq: 04 May 2020 13:49

Tgt Ion: 85 Resp: 110

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

120

100

80

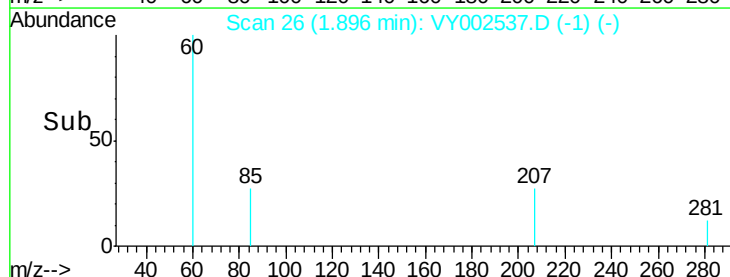
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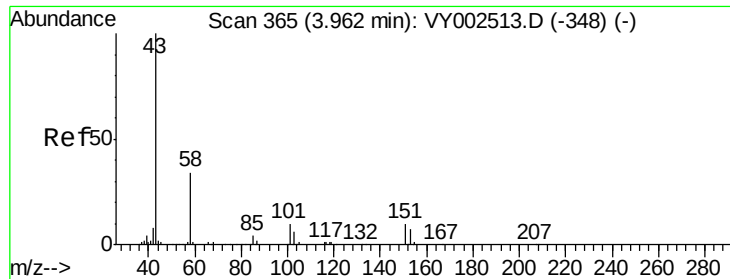
40

20

0

Time-->

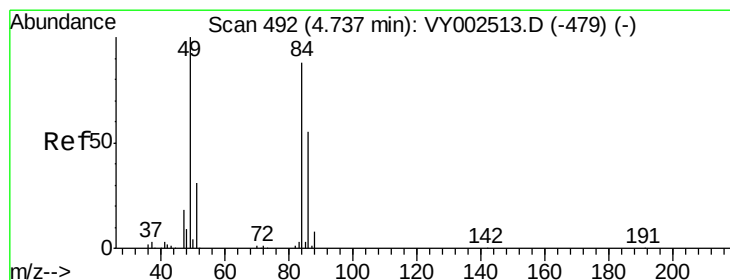
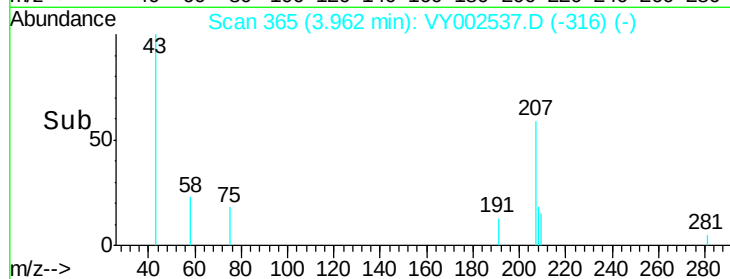
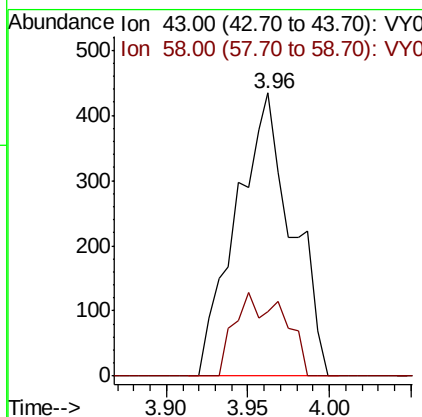
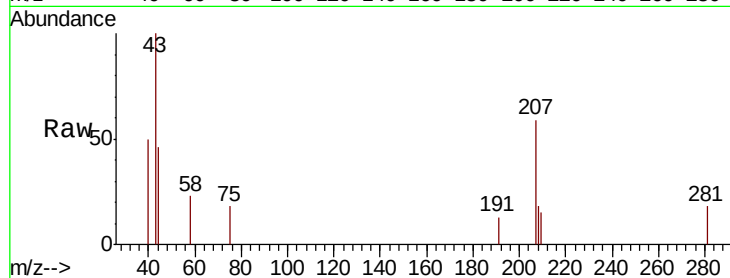




#16
Acetone
Concen: 1.971 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.00 min
Lab File: VY002537.D
Acq: 04 May 2020 13:49

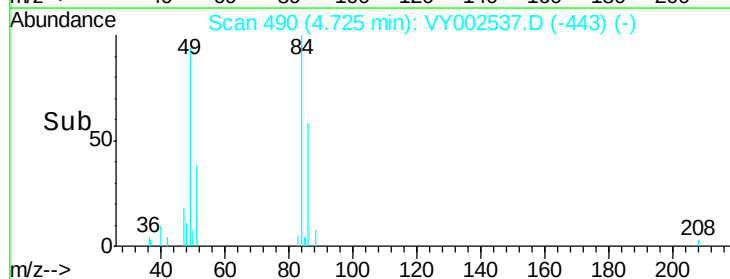
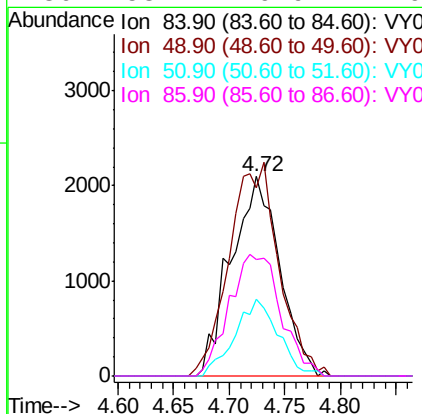
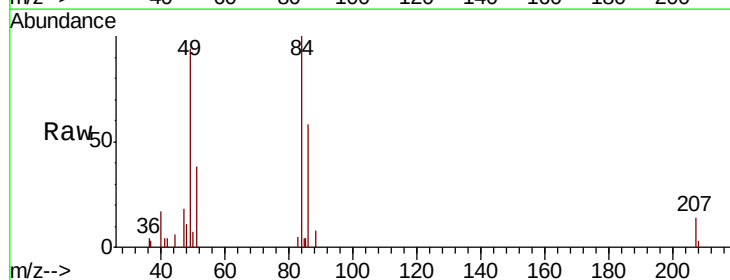
Instrument :
MSVOA_Y
ClientSampleId :

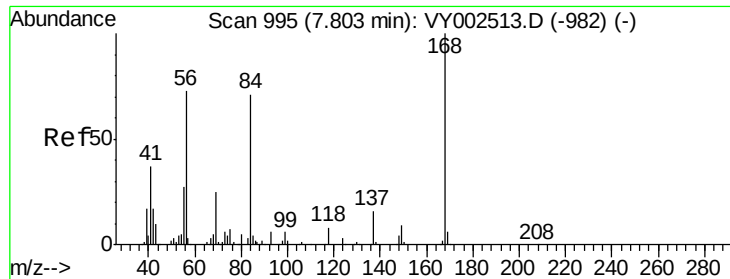
Tot Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 22.6 26.9 40.3#



#20
Methylene Chloride
Concen: 2.166 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002537.D
Acq: 04 May 2020 13:49

Tgt Ion: 84 Resp: 6367
Ion Ratio Lower Upper
84 100
49 94.2 90.5 135.7
51 38.3 28.3 42.5
86 58.4 49.9 74.9





#31

Cyclohexane

Concen: 1.014 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

Instrument :
MSVOA_Y
ClientSampled :

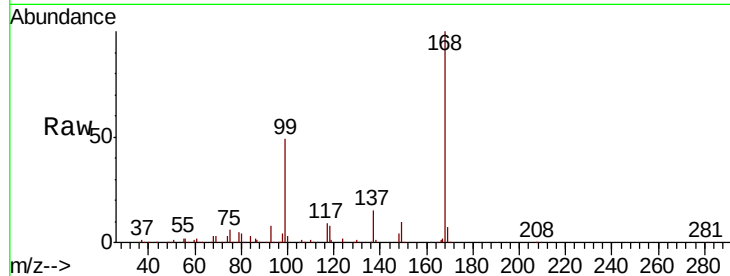
Tot Ion: 56 Resp: 4642

Ion Ratio Lower Upper

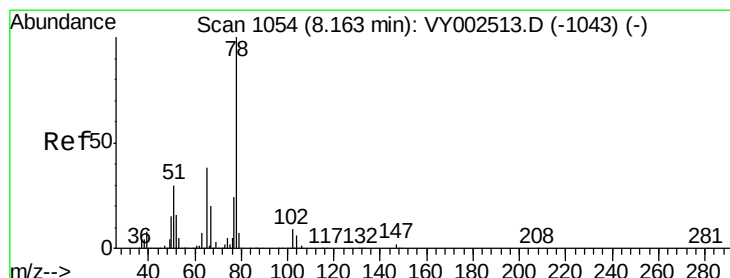
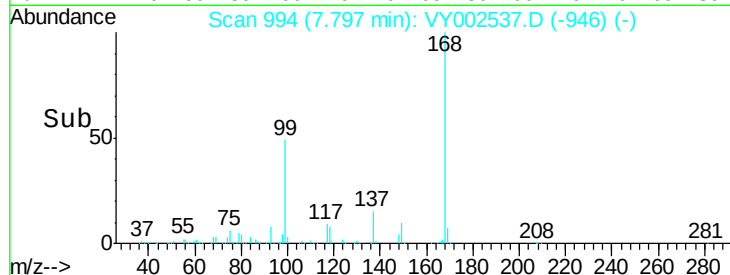
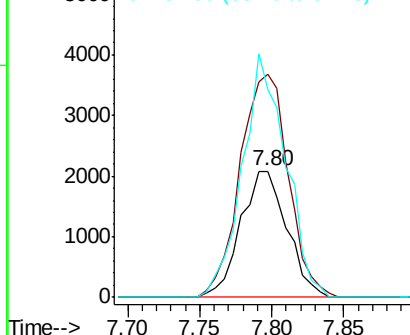
56 100

69 176.2 27.6 41.4#

84 164.4 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: 60.595 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002537.D

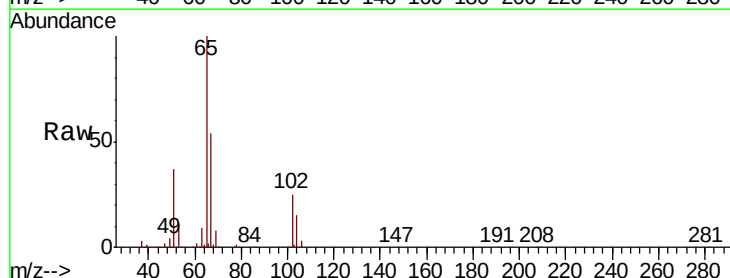
Acq: 04 May 2020 13:49

Tgt Ion: 65 Resp: 154344

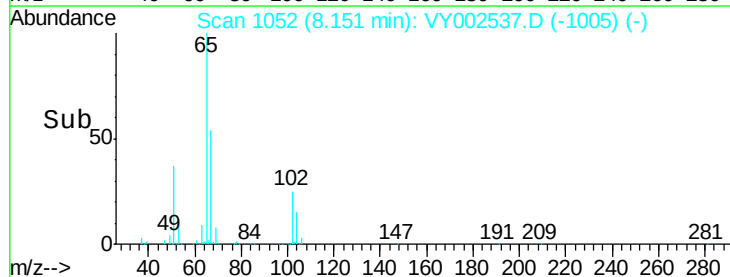
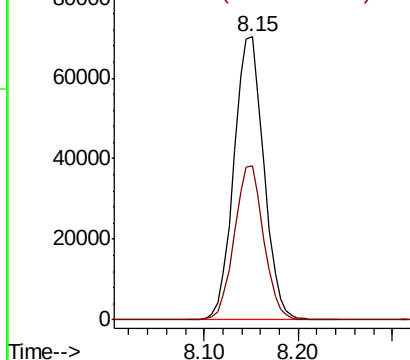
Ion Ratio Lower Upper

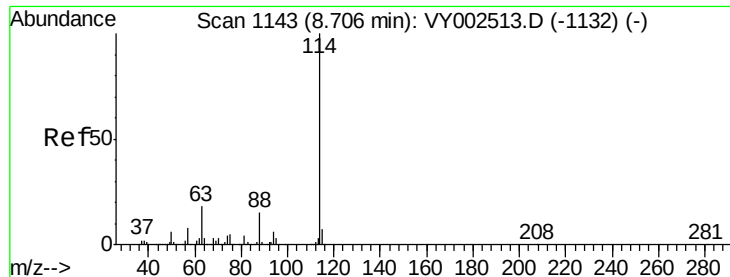
65 100

67 53.4 0.0 107.2



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

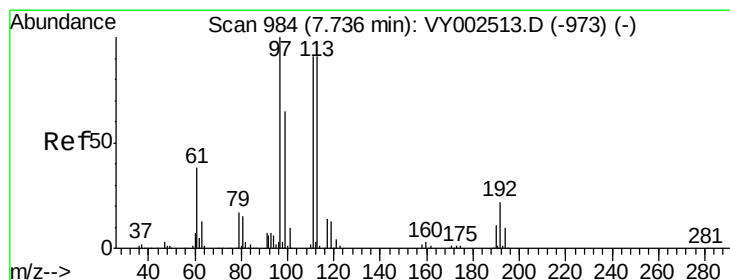
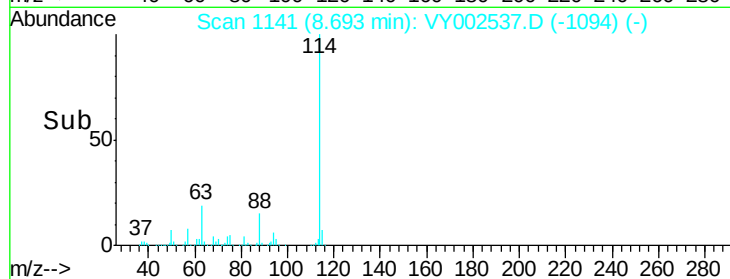
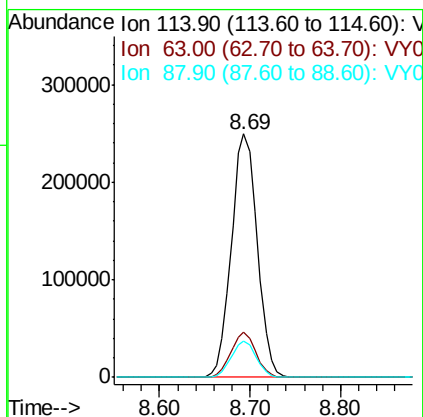
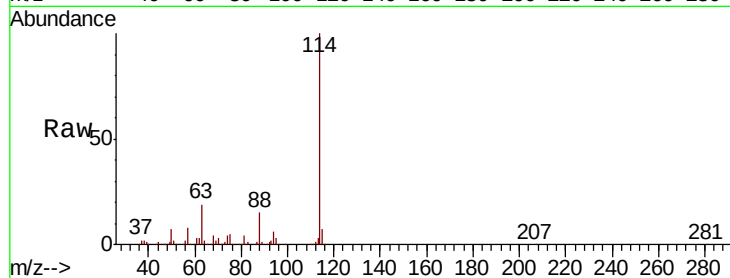




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002537.D
 Acq: 04 May 2020 13:49

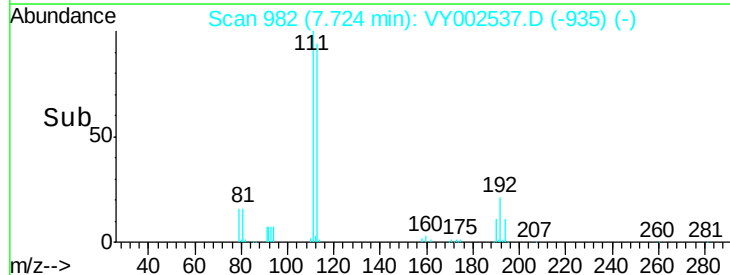
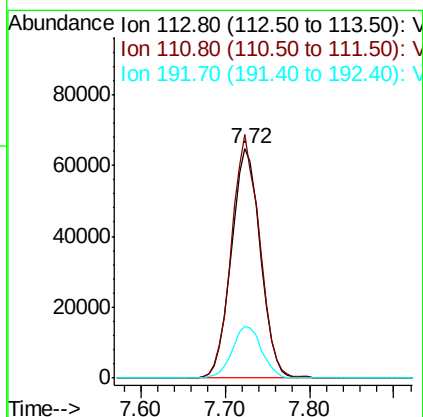
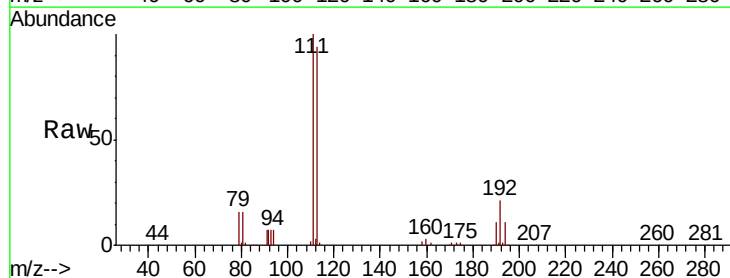
Instrument :
 MSVOA_Y
 ClientSampleId :

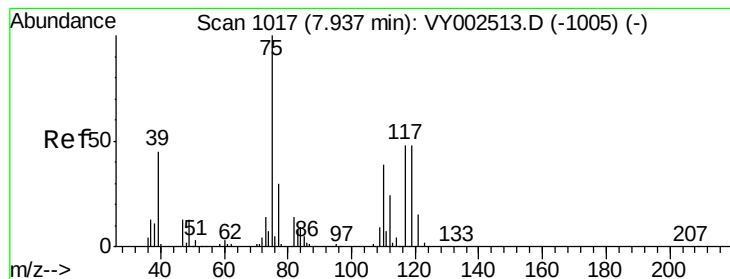
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	36.4
88	14.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 53.389 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002537.D
 Acq: 04 May 2020 13:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	22.8	18.2	27.4





#36

1,1-Dichloropropene

Concen: 4.580 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.15 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

Instrument :

MSVOA_Y

ClientSampled :

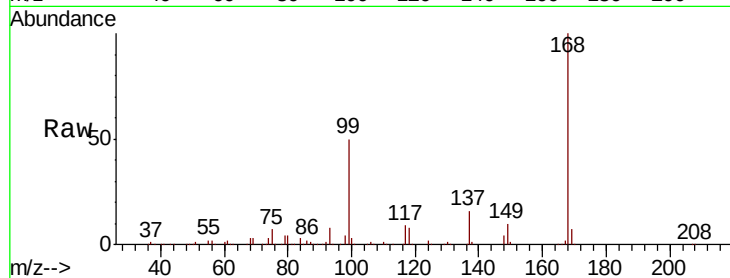
Tot Ion: 75 Resp: 18970

Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.3#

77 0.0 24.6 37.0#

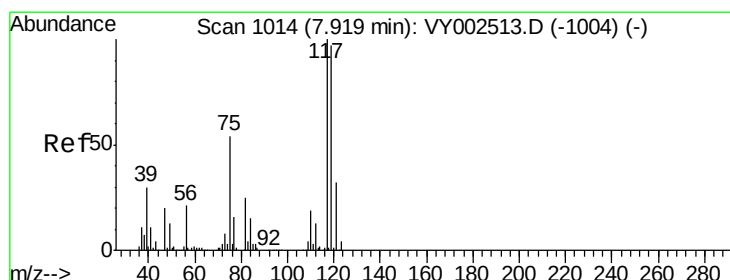
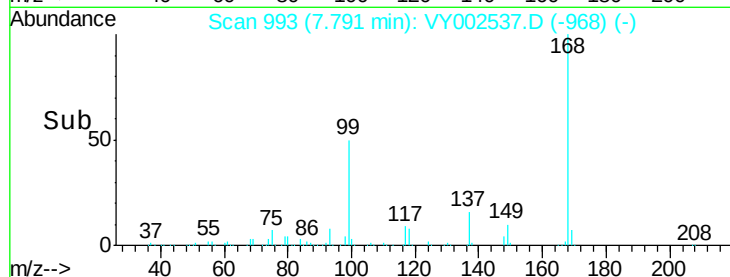


Abundance Ion 74.90 (74.60 to 75.60): VY002537.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY002537.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002537.D (-968) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.134 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

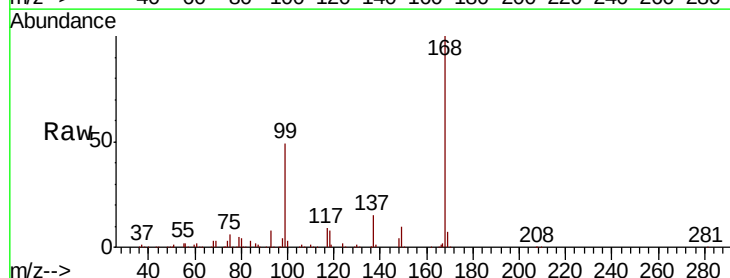
Tgt Ion: 117 Resp: 27734

Ion Ratio Lower Upper

117 100

119 7.6 77.1 115.7#

121 0.0 25.2 37.8#

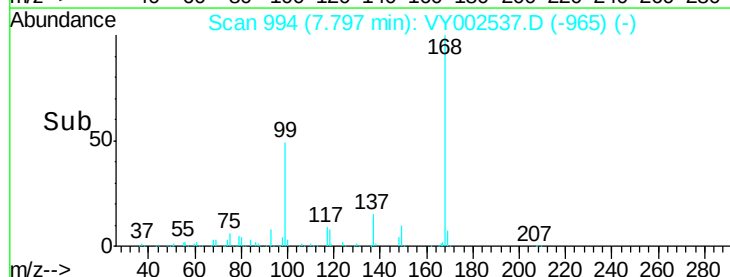


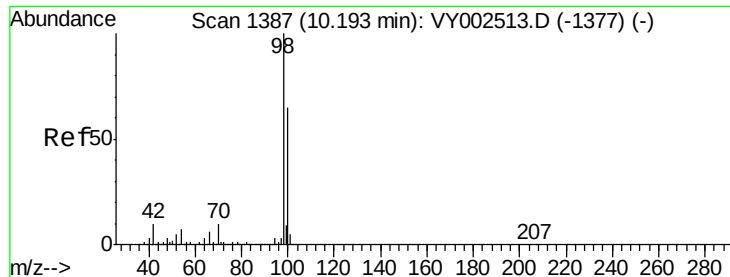
Abundance Ion 116.80 (116.50 to 117.50): VY002537.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002537.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002537.D (-965) (-)

Time-->





#50

Toluene-d8

Concen: 52.029 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

Instrument :

MSVOA_Y

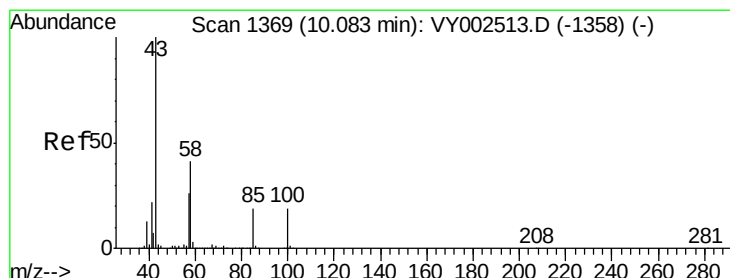
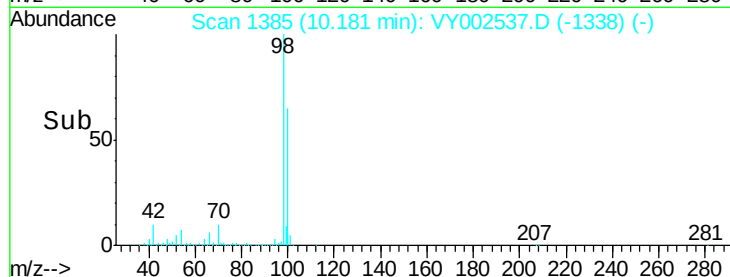
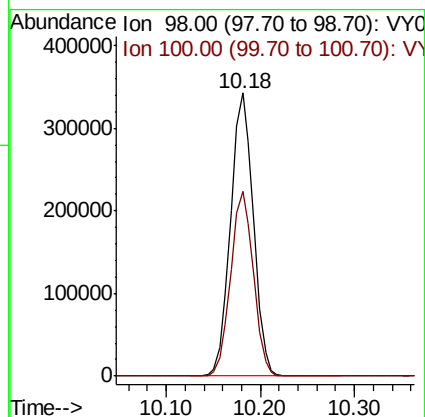
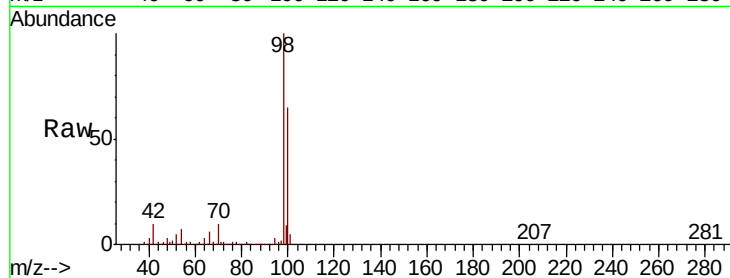
ClientSampleId :

Tot Ion: 98 Resp: 574067

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.060 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY002537.D

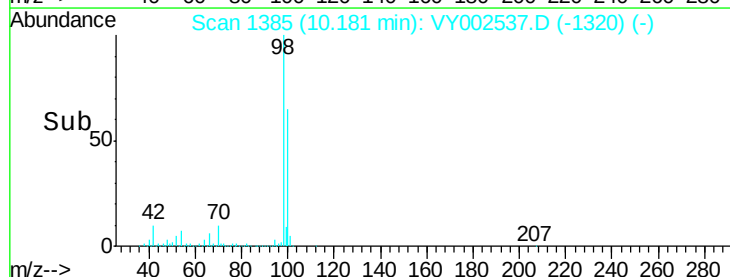
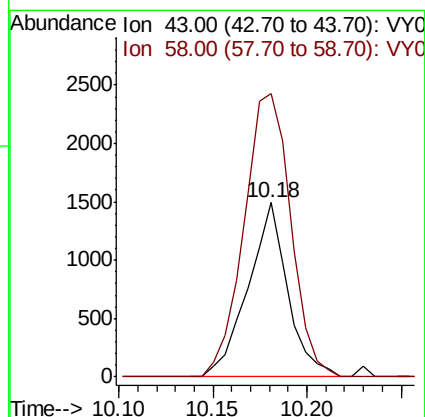
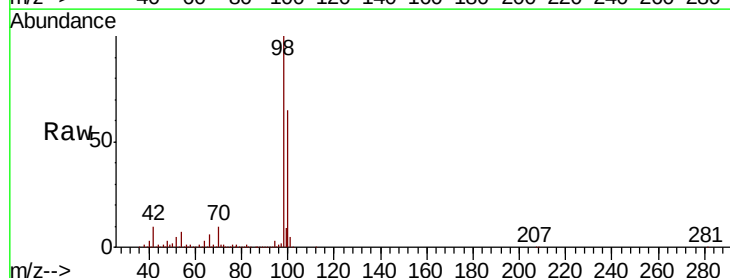
Acq: 04 May 2020 13:49

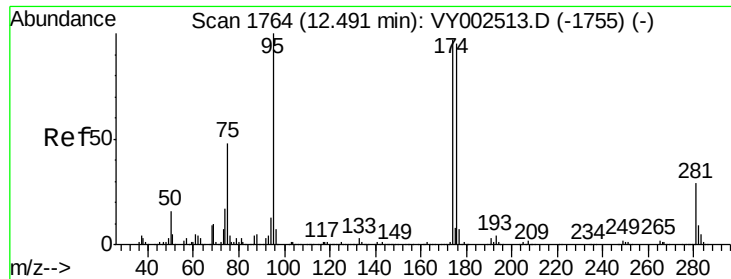
Tgt Ion: 43 Resp: 2179

Ion Ratio Lower Upper

43 100

58 191.1 33.2 49.8#

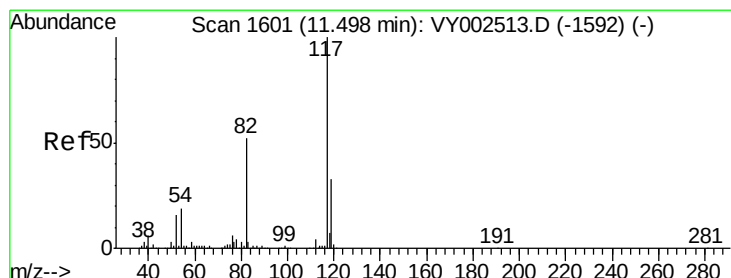
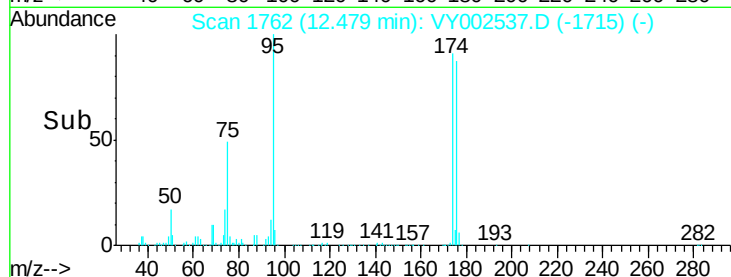
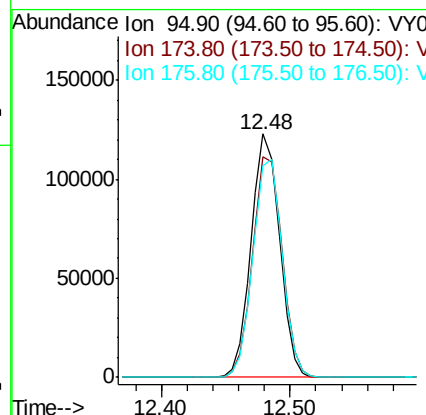
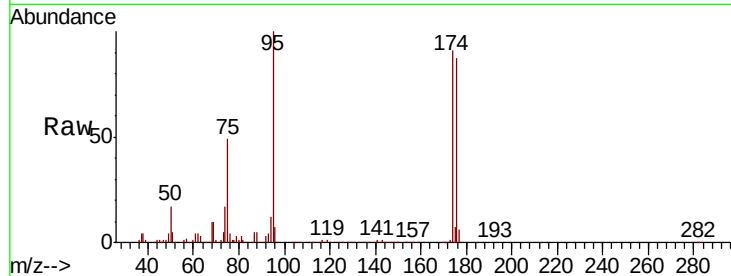




#62
 4-Bromofluorobenzene
 Concen: 49.887 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002537.D
 Acq: 04 May 2020 13:49

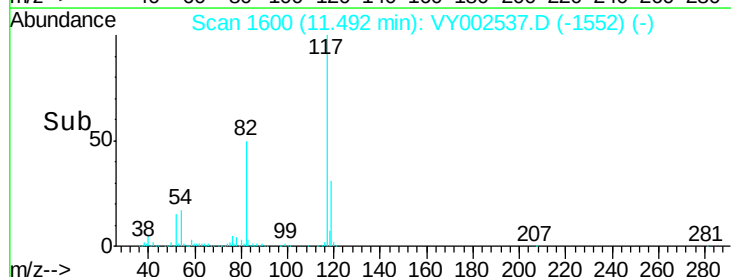
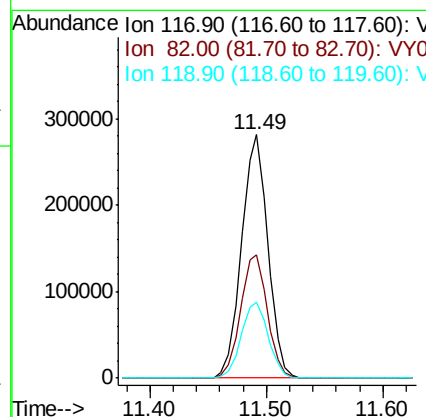
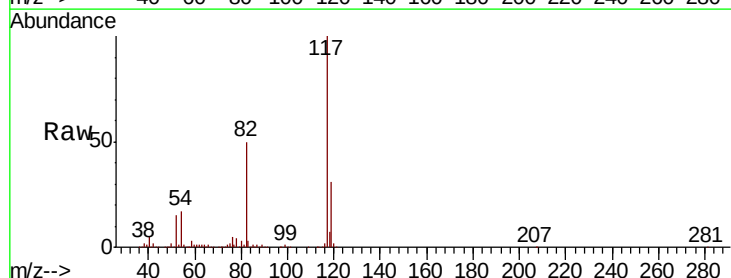
Instrument :
 MSVOA_Y
 ClientSampleId :

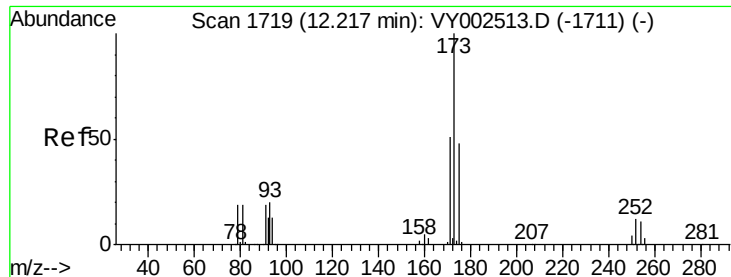
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	188.8
176	92.0	0.0	183.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VY002537.D
 Acq: 04 May 2020 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.3	61.9
119	31.3	26.0	39.0





#71

Bromoform

Concen: 1.040 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.27 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

Instrument :

MSVOA_Y

ClientSampleId :

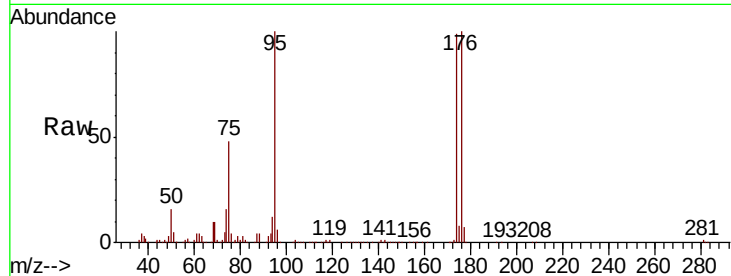
Tot Ion:173 Resp: 2018

Ion Ratio Lower Upper

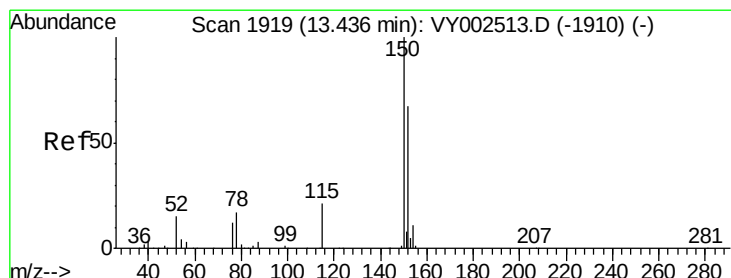
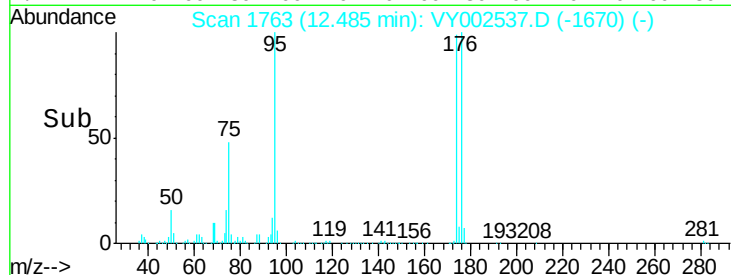
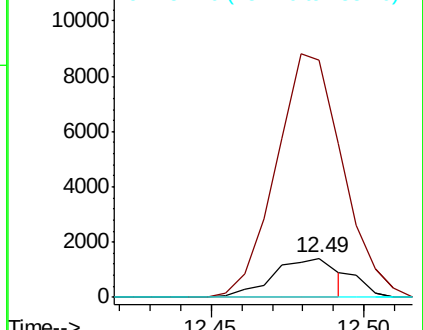
173 100

175 591.6 24.3 72.8#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

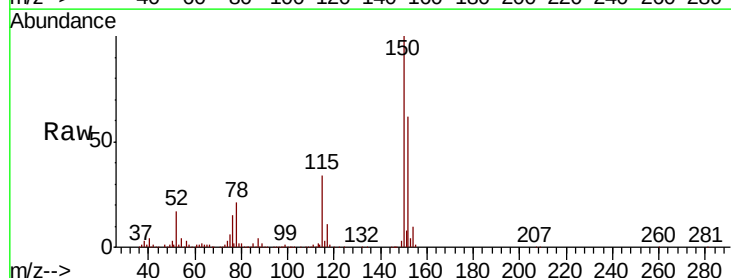
Tgt Ion:152 Resp: 216437

Ion Ratio Lower Upper

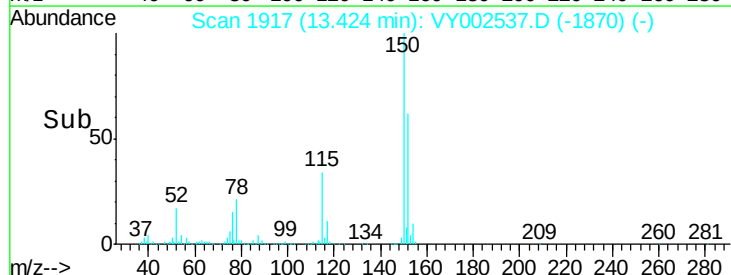
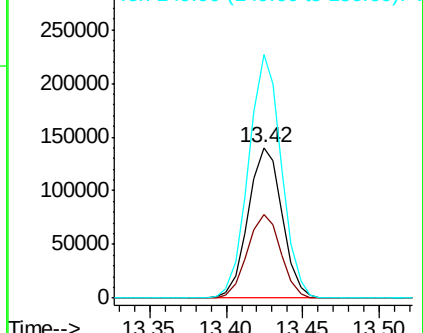
152 100

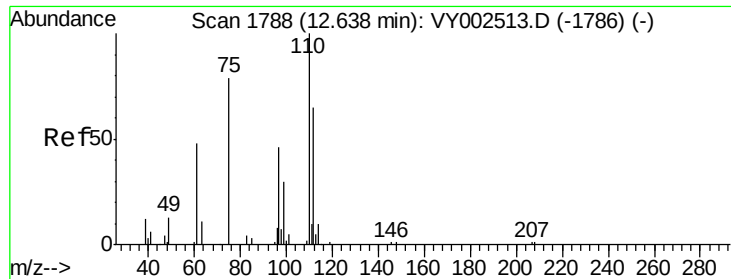
115 54.9 27.5 82.4

150 156.7 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: 47.505 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

Instrument :

MSVOA_Y

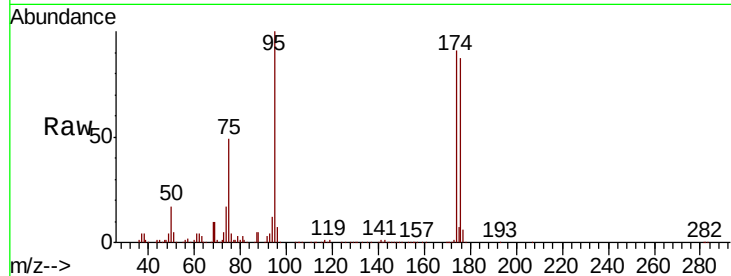
ClientSampleId :

Tot Ion: 75 Resp: 91372

Ion Ratio Lower Upper

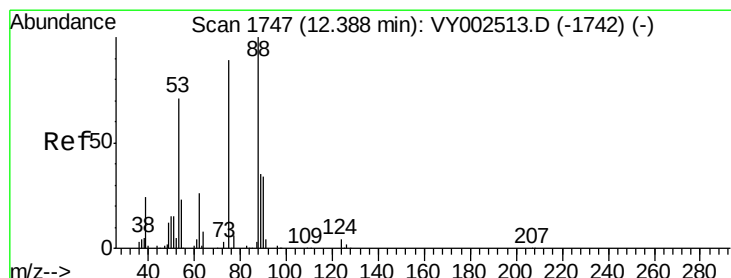
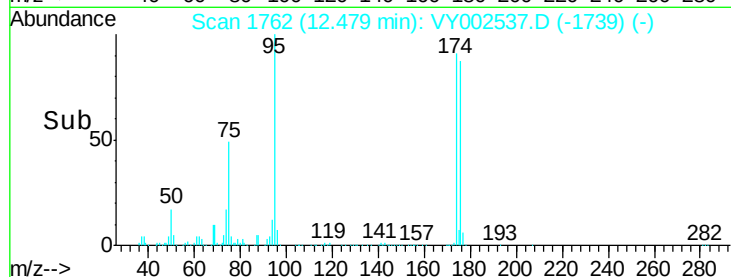
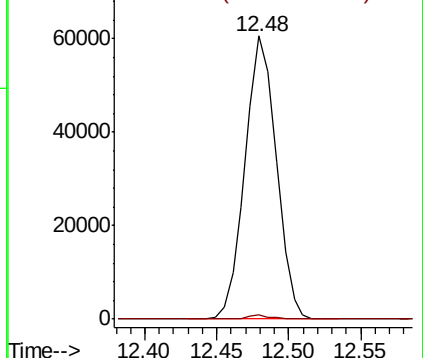
75 100

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: 95.257 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002537.D

Acq: 04 May 2020 13:49

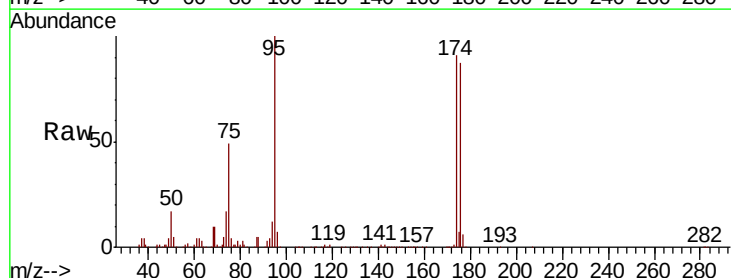
Tgt Ion: 75 Resp: 91372

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

