

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001557.D
 Acq On : 07 Feb 2020 16:25
 Operator : SY/MD
 Sample : L1433-01RE
 Misc : 5.8G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:27:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	179553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	317751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	126220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	104166	57.62	ug/l	0.00
Spiked Amount			Recovery	=	115.24%	
35) Dibromofluoromethane	7.75	113	91331	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.19	98	383116	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.49	95	131362	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

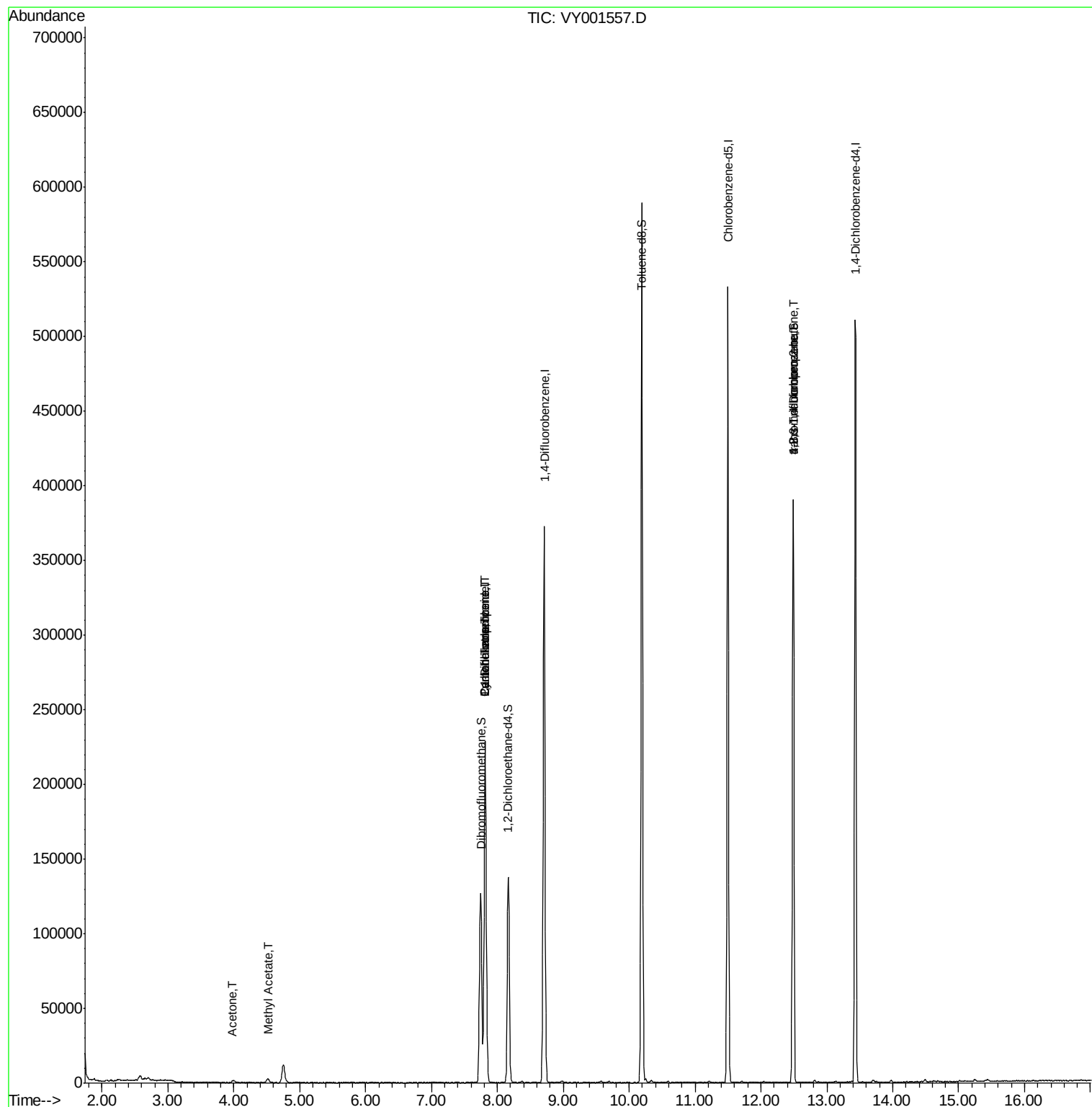
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	71	Below Cal	#	76
16) Acetone	3.98	43	2804	5.362	ug/l #	85
18) Methyl Acetate	4.52	43	4934	4.421	ug/l	95
20) Methylene Chloride	4.74	84	9115	Below Cal		94
31) Cyclohexane	7.82	56	3822	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14197	4.884	ug/l #	49
38) Carbon Tetrachloride	7.82	117	18031	6.411	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	66464	48.965	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	66464	94.745	ug/l #	16

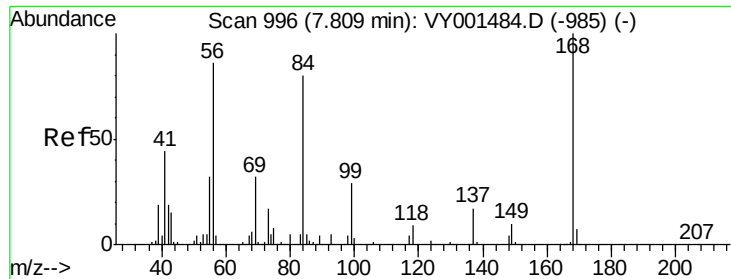
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 08 01:27:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

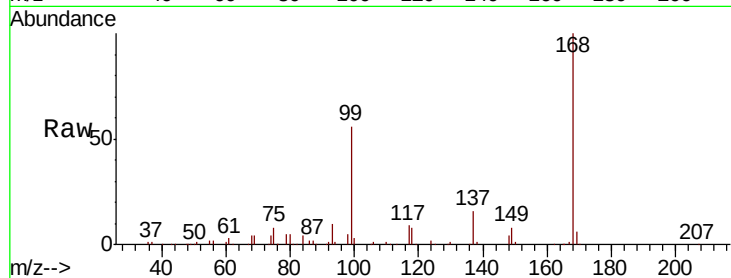
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 179553

Ion Ratio Lower Upper

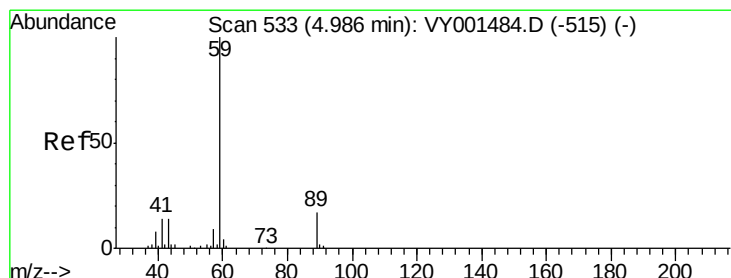
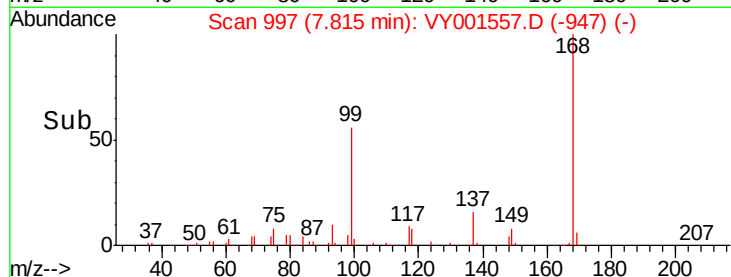
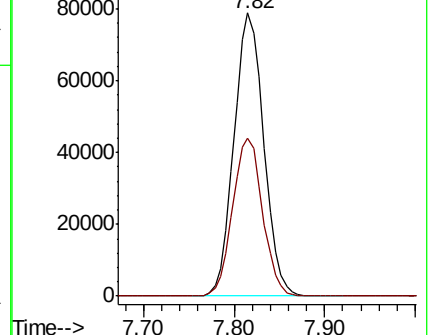
168 100

99 55.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001557.D

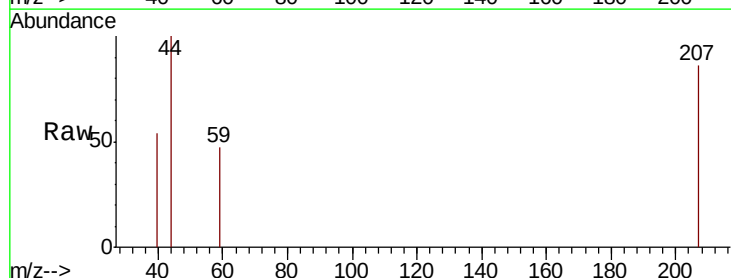
Acq: 07 Feb 2020 16:25

Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

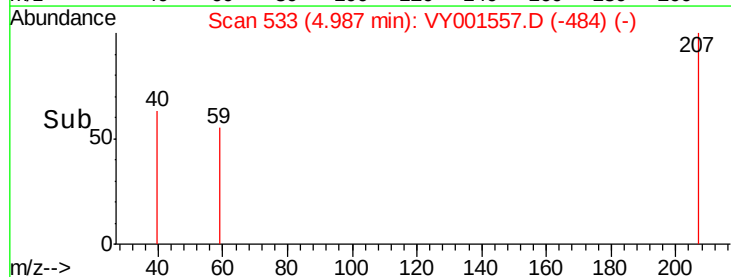
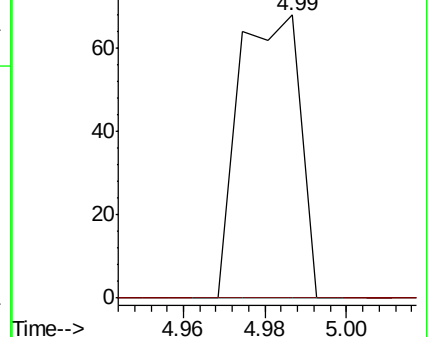
59 100

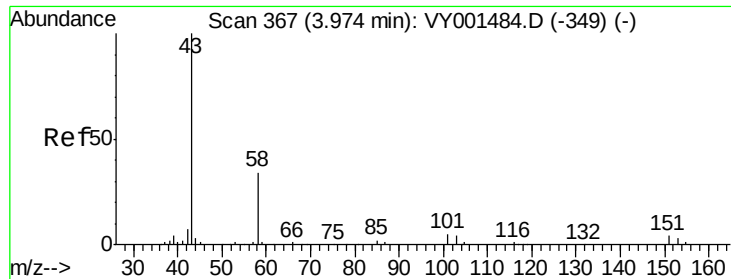
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)





#16

Acetone

Concen: 5.362 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

Instrument :

MSVOA_Y

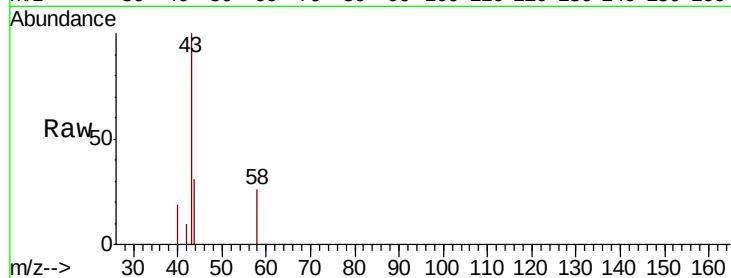
ClientSampleId :

Tot Ion: 43 Resp: 2804

Ion Ratio Lower Upper

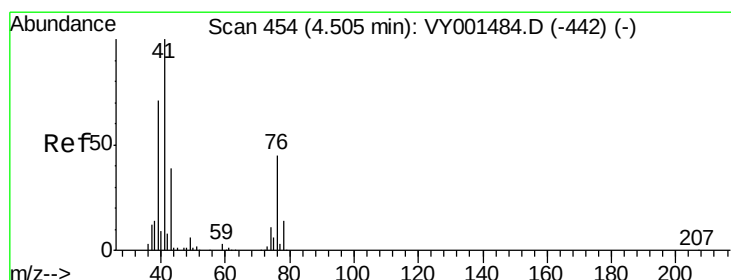
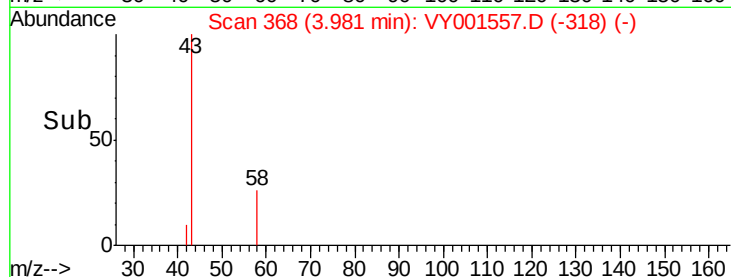
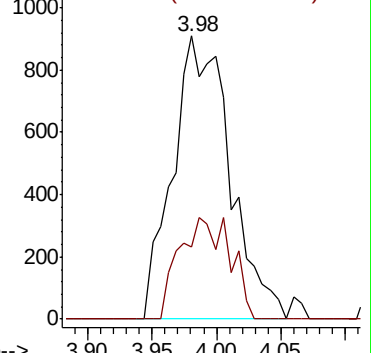
43 100

58 25.6 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 4.421 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001557.D

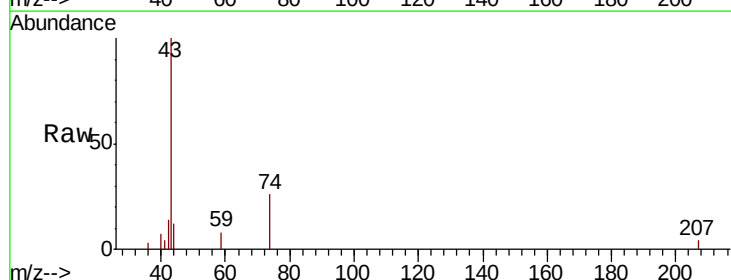
Acq: 07 Feb 2020 16:25

Tgt Ion: 43 Resp: 4934

Ion Ratio Lower Upper

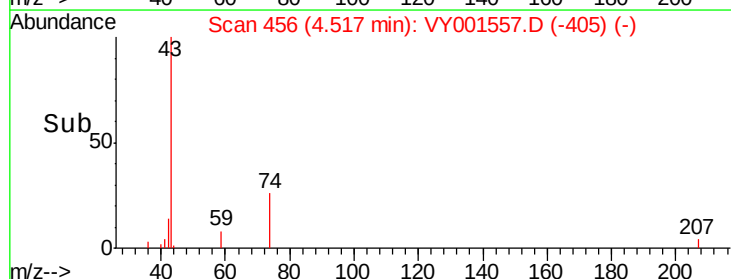
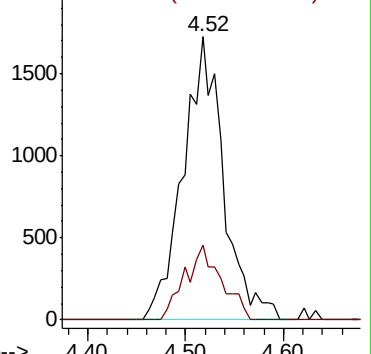
43 100

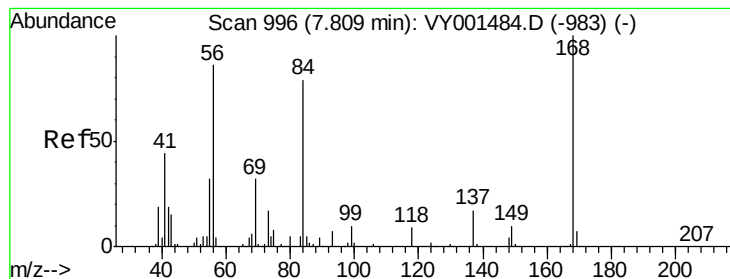
74 23.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

Instrument :

MSVOA_Y

ClientSampleId :

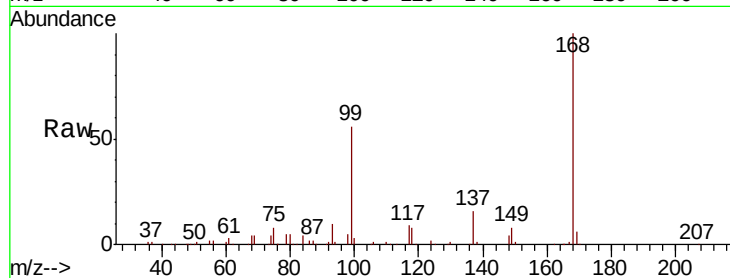
Tot Ion: 56 Resp: 3822

Ion Ratio Lower Upper

56 100

69 162.0 29.6 44.4#

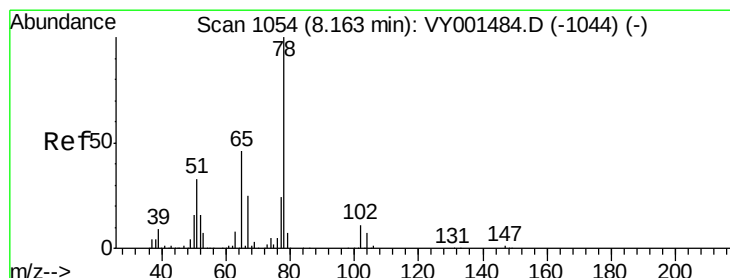
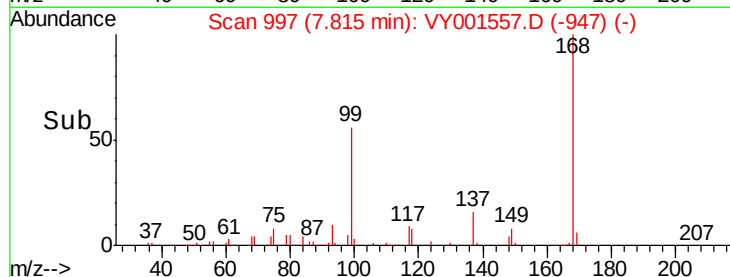
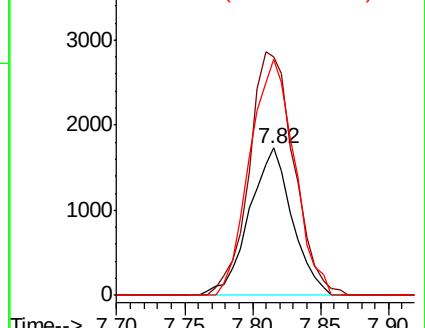
84 160.1 73.6 110.4#



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: 57.619 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001557.D

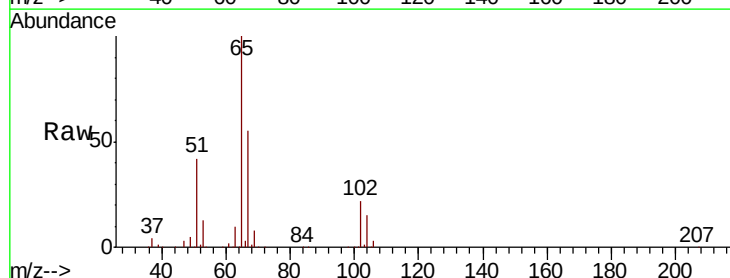
Acq: 07 Feb 2020 16:25

Tgt Ion: 65 Resp: 104166

Ion Ratio Lower Upper

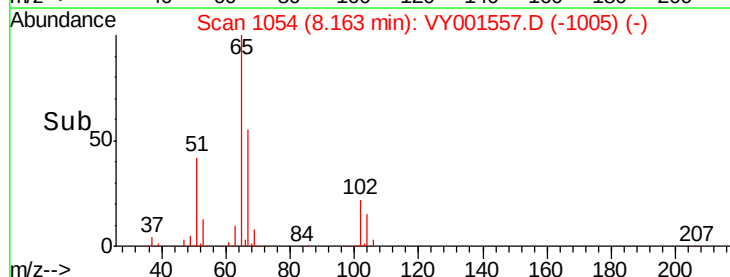
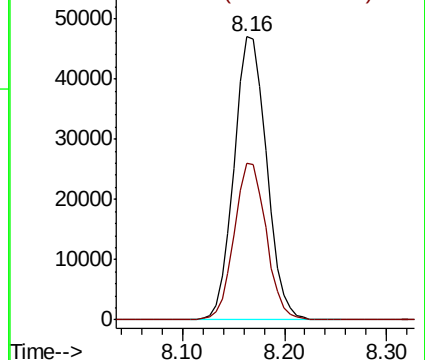
65 100

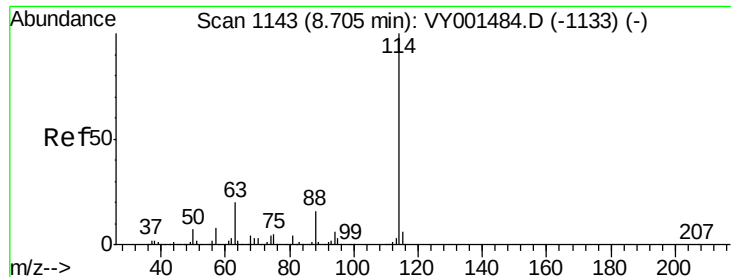
67 54.0 0.0 108.6



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: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

Instrument :

MSVOA_Y

ClientSampleId :

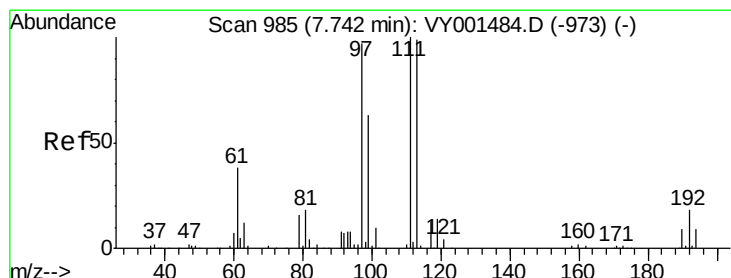
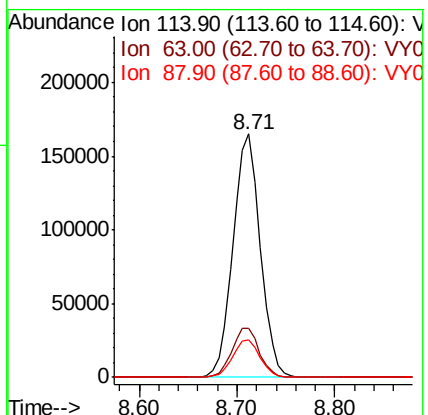
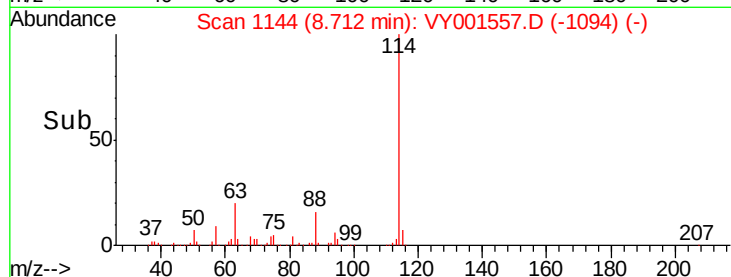
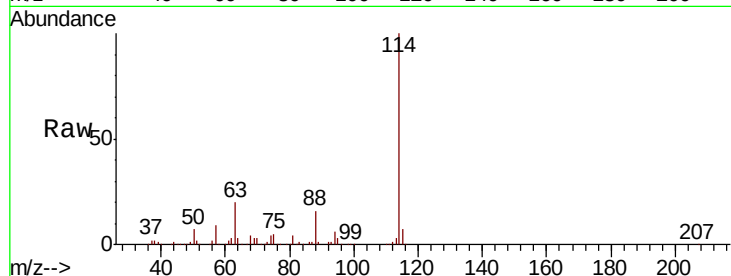
Tot Ion:114 Resp: 317751

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.845 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

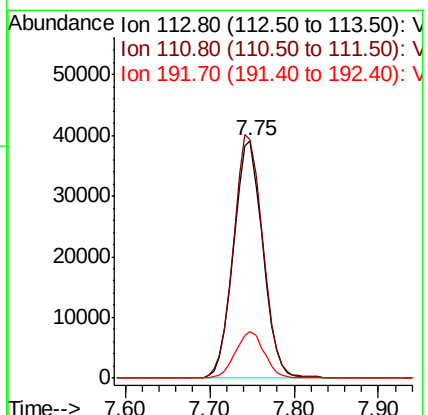
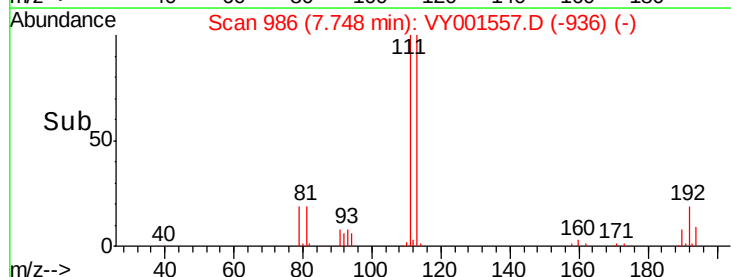
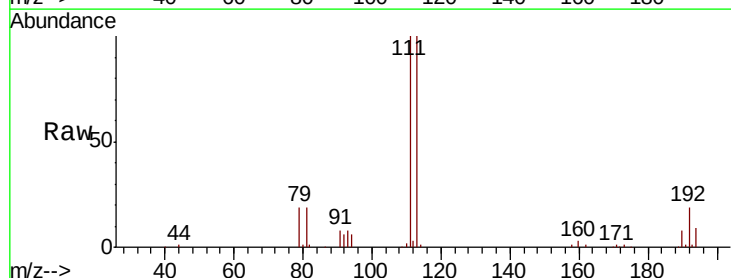
Tgt Ion:113 Resp: 91331

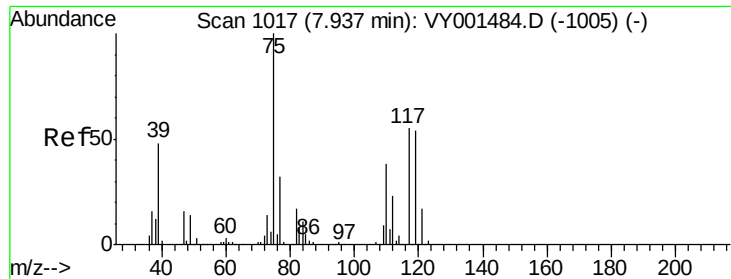
Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

192 19.3 14.6 22.0

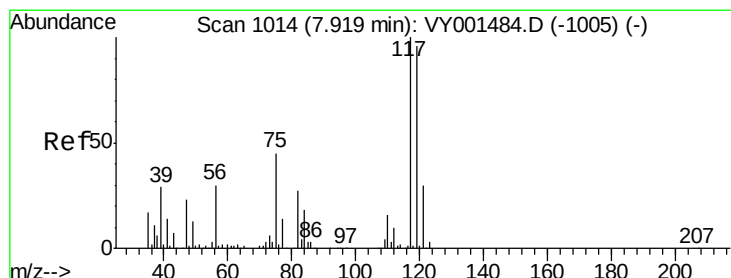
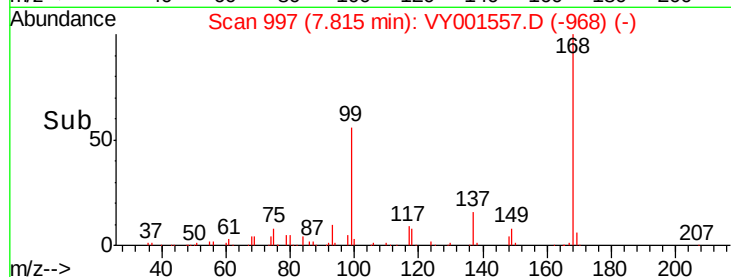
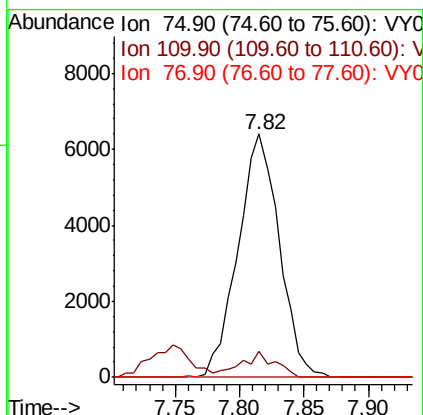
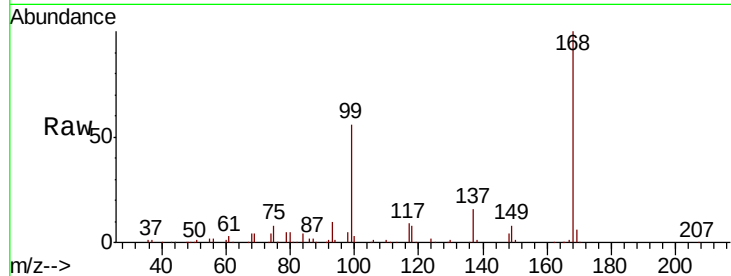




#36
 1,1-Dichloropropene
 Concen: 4.884 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001557.D
 Acq: 07 Feb 2020 16:25

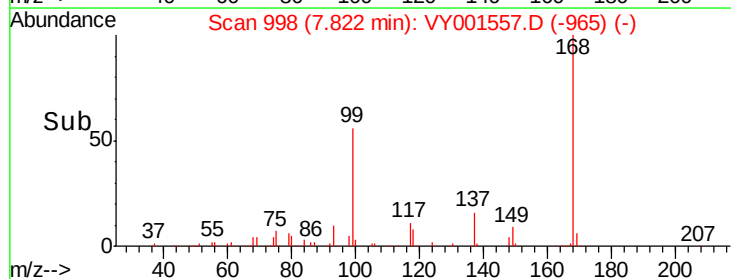
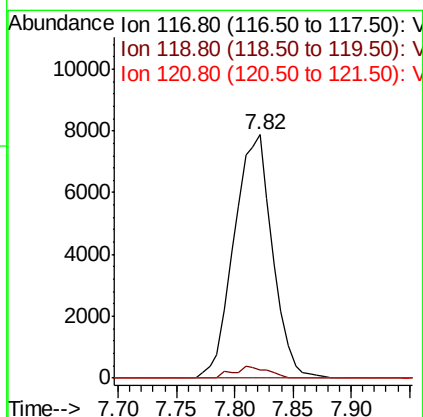
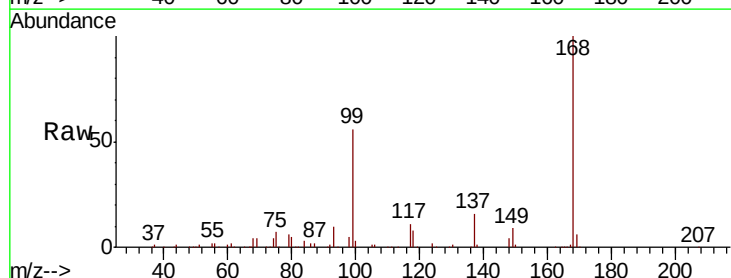
Instrument :
 MSVOA_Y
 ClientSampleId :

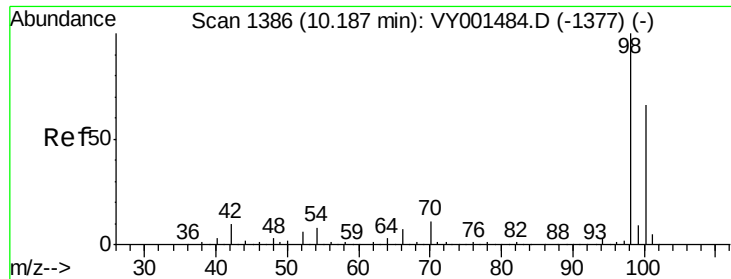
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.411 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001557.D
 Acq: 07 Feb 2020 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 55.265 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

Instrument :

MSVOA_Y

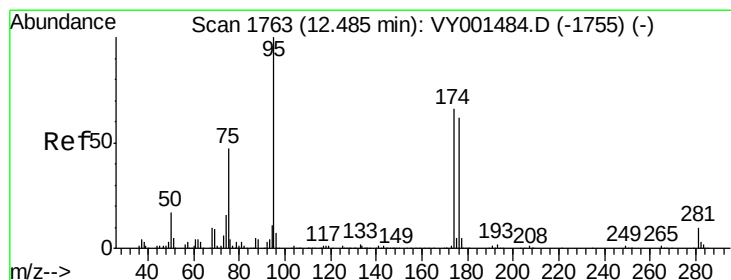
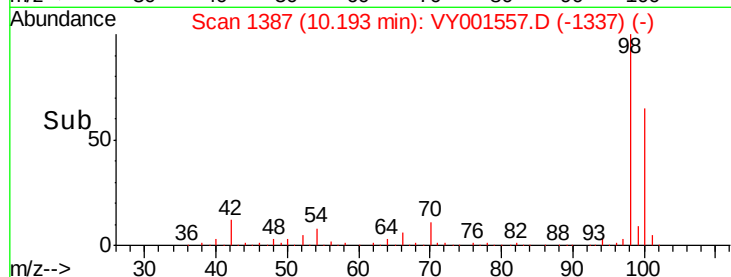
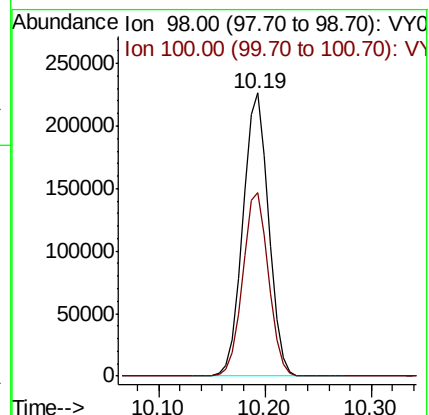
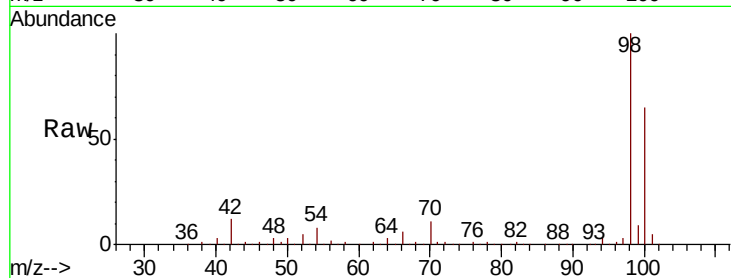
ClientSampled :

Tot Ion: 98 Resp: 383116

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 48.101 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

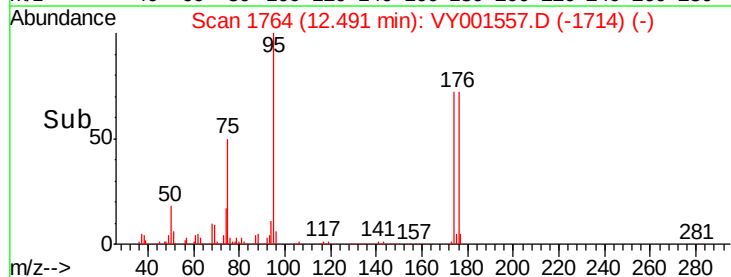
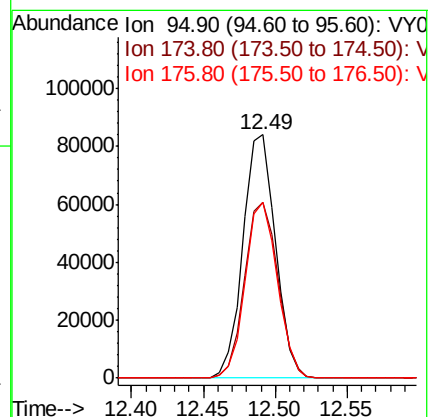
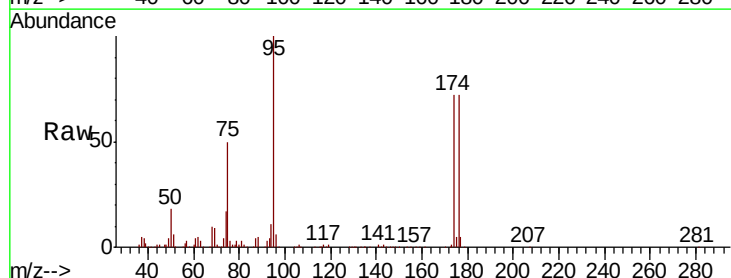
Tgt Ion: 95 Resp: 131362

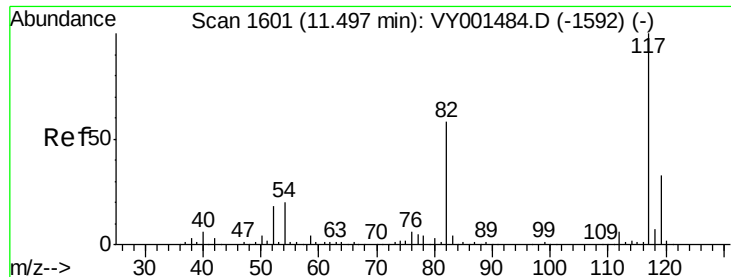
Ion Ratio Lower Upper

95 100

174 74.1 0.0 141.4

176 71.4 0.0 135.4

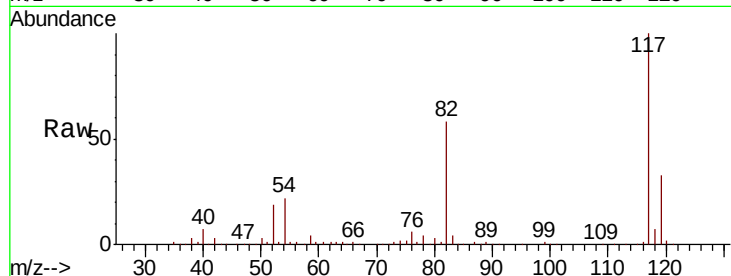




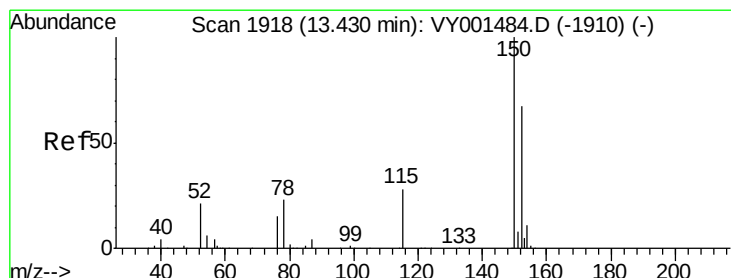
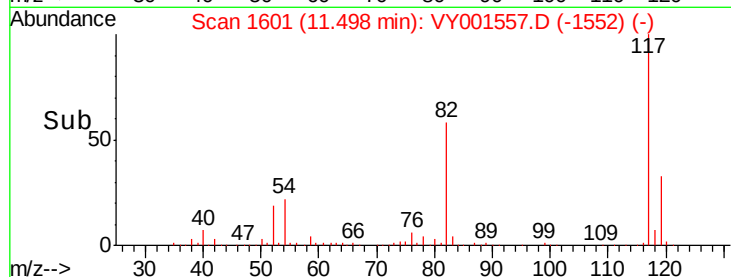
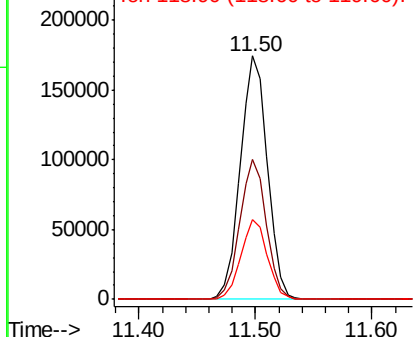
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001557.D
Acq: 07 Feb 2020 16:25

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 282175
Ion Ratio Lower Upper
117 100
82 57.6 46.1 69.1
119 32.6 26.1 39.1

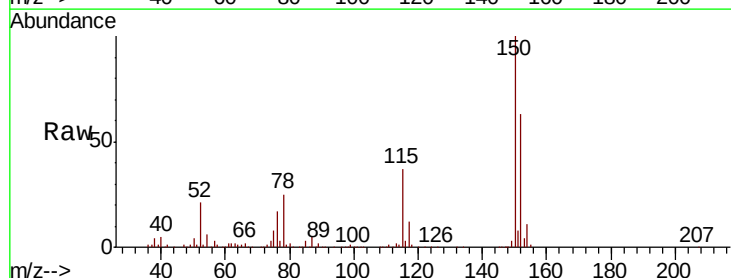


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

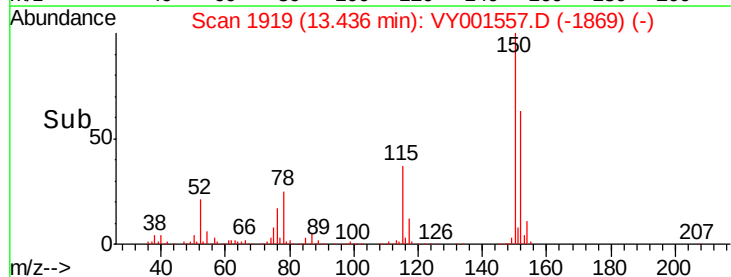
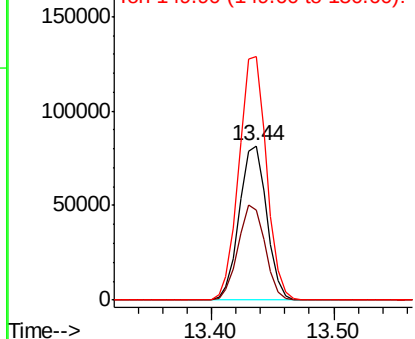


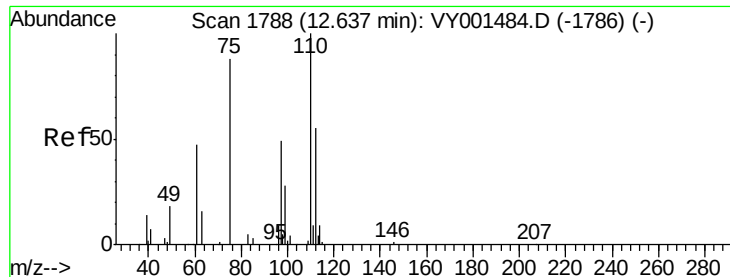
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001557.D
Acq: 07 Feb 2020 16:25

Tgt Ion:152 Resp: 126220
Ion Ratio Lower Upper
152 100
115 61.0 31.4 94.3
150 158.9 0.0 346.8



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: 48.965 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

Instrument :

MSVOA_Y

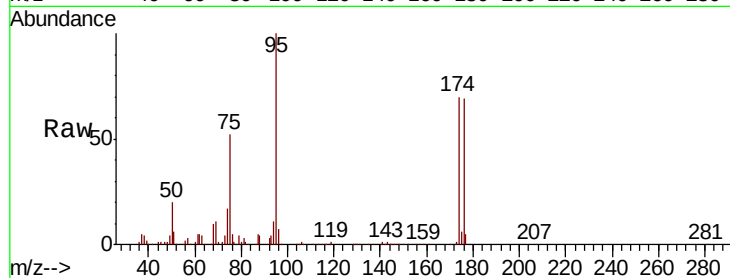
ClientSampleId :

Tot Ion: 75 Resp: 66464

Ion Ratio Lower Upper

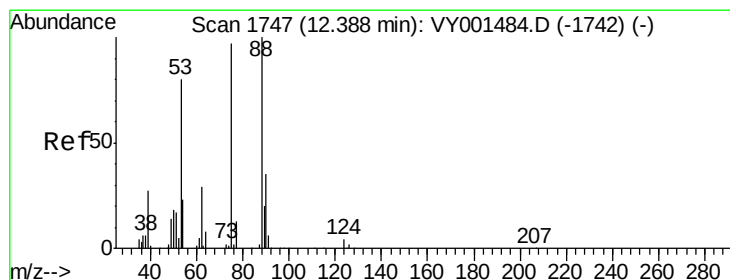
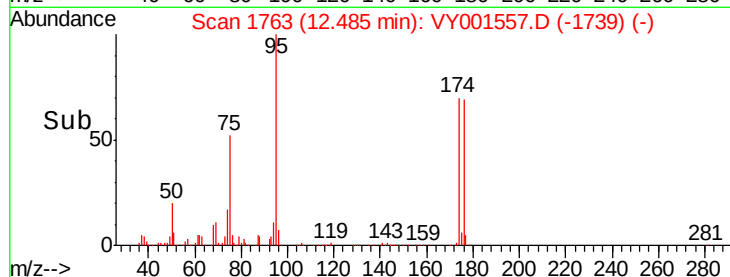
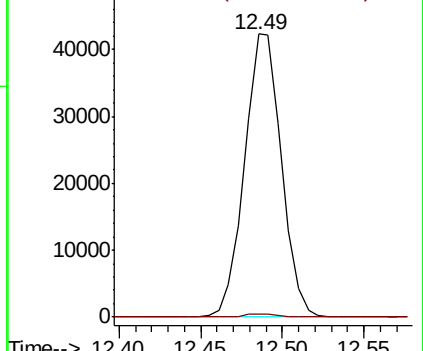
75 100

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: 94.745 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001557.D

Acq: 07 Feb 2020 16:25

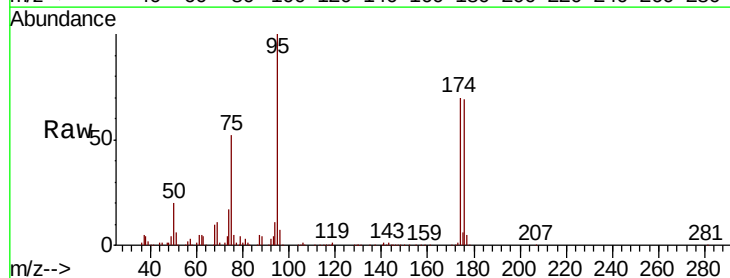
Tgt Ion: 75 Resp: 66464

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



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

