

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002541.D
 Acq On : 04 May 2020 15:18
 Operator : SY/MD
 Sample : L2443-01
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:06:43 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

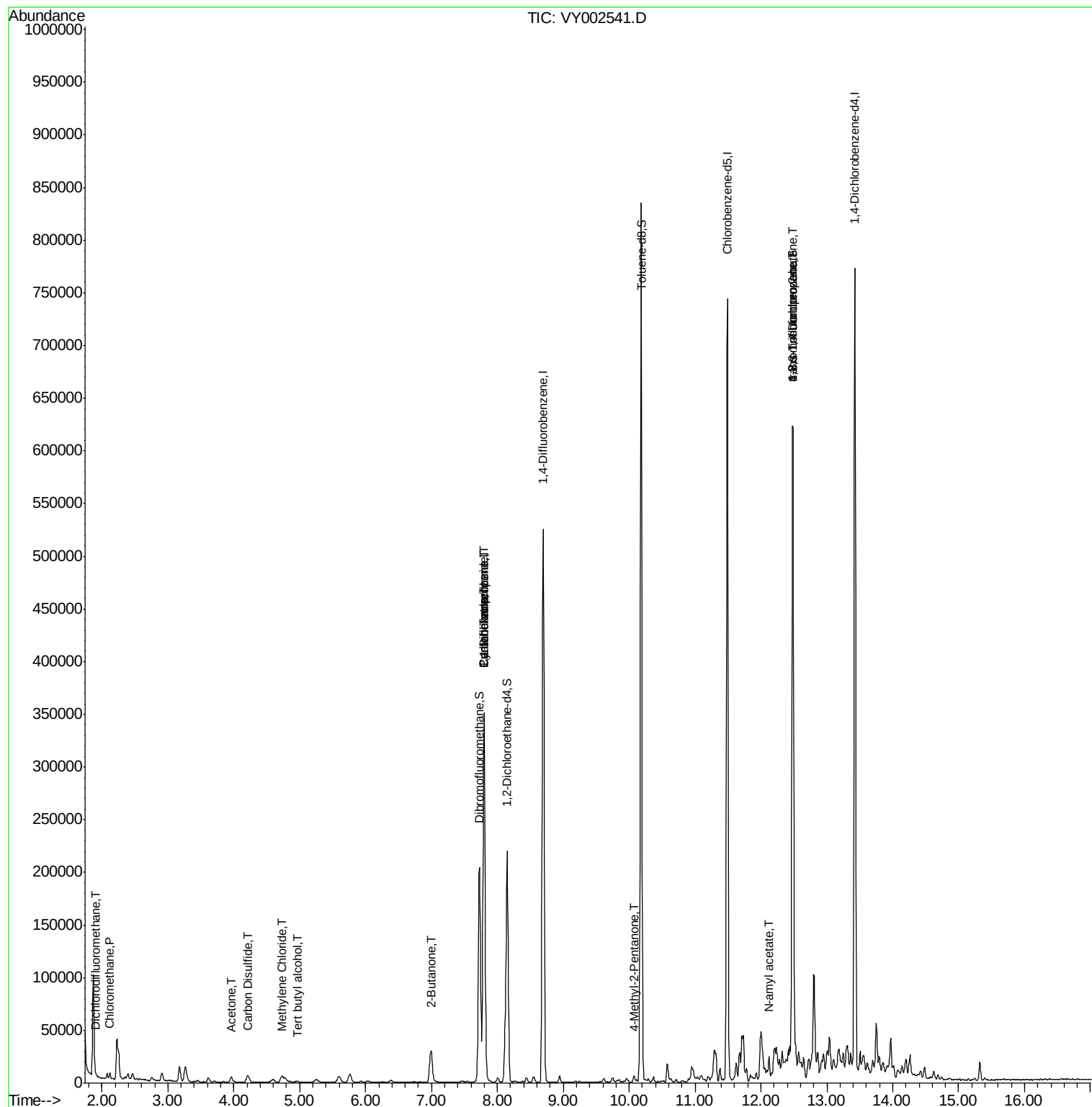
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	288900	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	468750	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	425425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	205002	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	153730	63.29	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	126.58%	
35) Dibromofluoromethane	7.73	113	145062	54.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.22%	
50) Toluene-d8	10.18	98	548667	52.41	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.48	95	180324	50.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	317	1.913	ug/l	96
3) Chloromethane	2.12	50	4851	2.073	ug/l	91
11) Tert butyl alcohol	4.98	59	1117	4.470	ug/l #	81
16) Acetone	3.96	43	8314	16.584	ug/l #	87
17) Carbon Disulfide	4.20	76	9402	1.257	ug/l #	91
20) Methylene Chloride	4.73	84	4237	1.511	ug/l	92
25) 2-Butanone	7.00	43	2322	2.830	ug/l	94
31) Cyclohexane	7.80	56	5032	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18567	4.725	ug/l #	49
38) Carbon Tetrachloride	7.80	117	26513	6.180	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	4209	2.157	ug/l	95
74) N-amyl acetate	12.12	43	5566	1.742	ug/l #	41
76) 1,2,3-Trichloropropane	12.48	75	88170	48.398	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88170	97.047	ug/l #	15

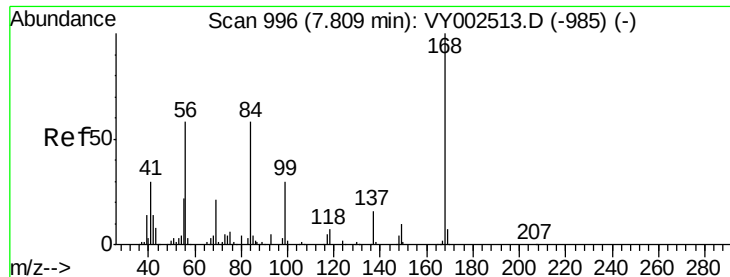
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

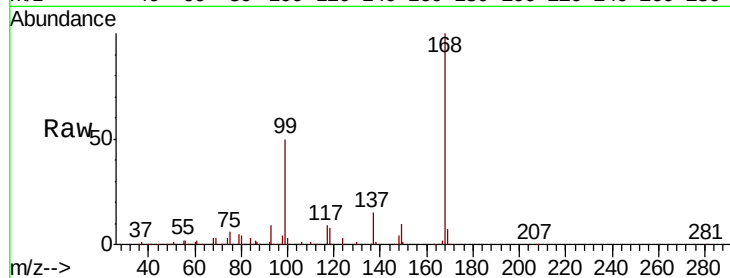
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 288900

Ion Ratio Lower Upper

168 100

99 50.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002541.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002541.D (-947) (-)

7.80

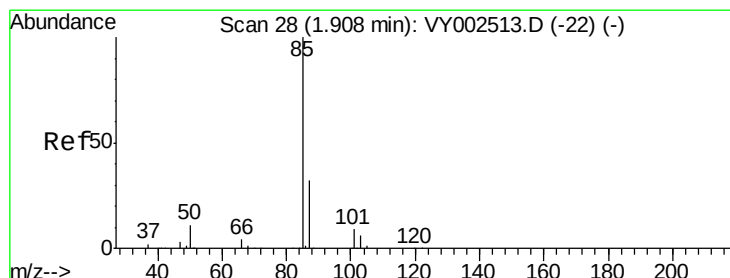
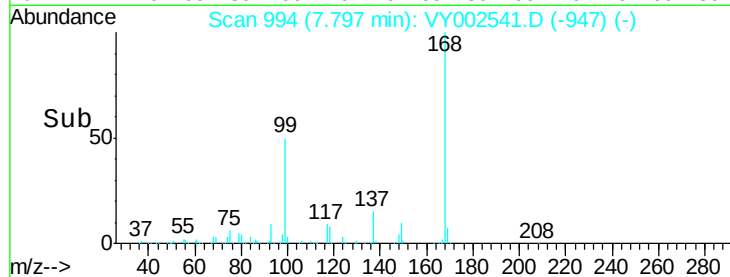
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.913 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002541.D

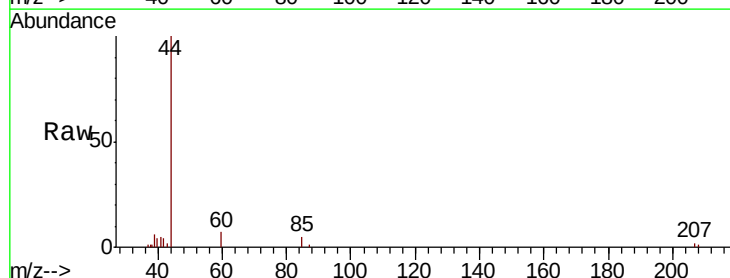
Acq: 04 May 2020 15:18

Tgt Ion: 85 Resp: 317

Ion Ratio Lower Upper

85 100

87 29.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002541.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002541.D (-1) (-)

1.91

300

250

200

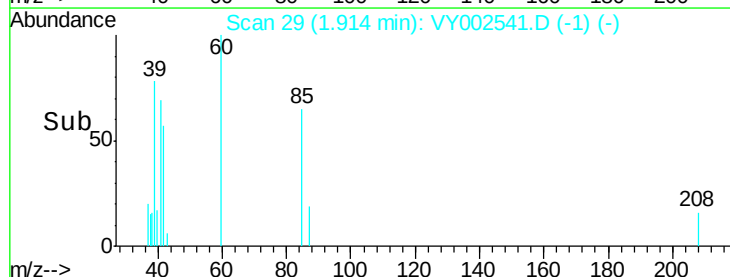
150

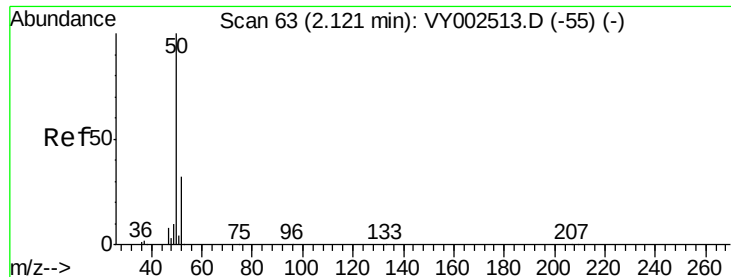
100

50

0

Time-->





#3

Chloromethane

Concen: 2.073 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

Instrument :

MSVOA_Y

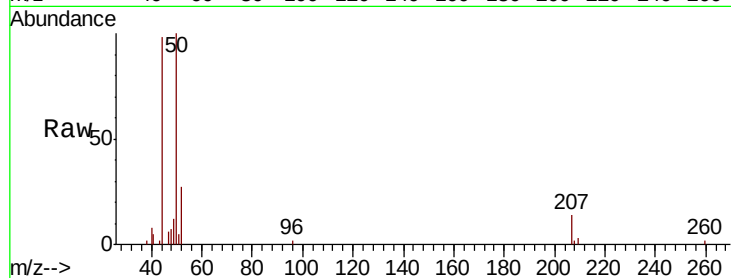
ClientSampleId :

Tot Ion: 50 Resp: 4851

Ion Ratio Lower Upper

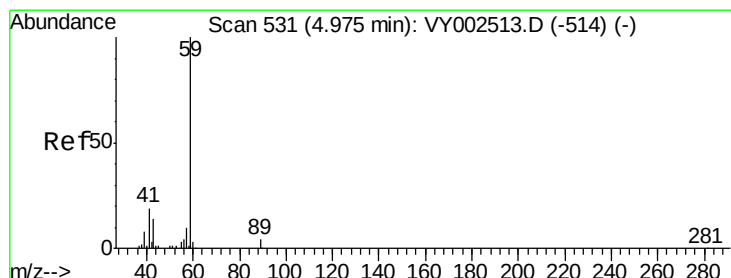
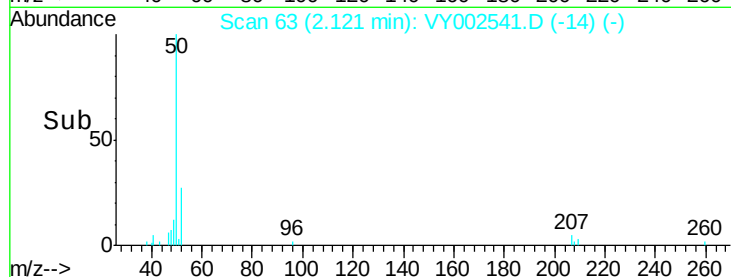
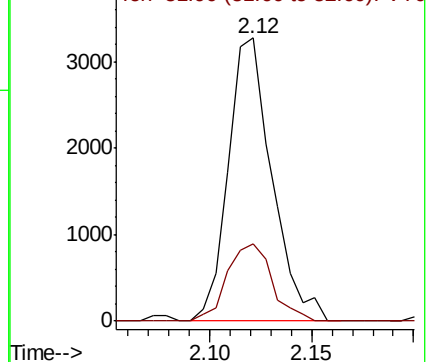
50 100

52 27.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#11

Tert butyl alcohol

Concen: 4.470 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY002541.D

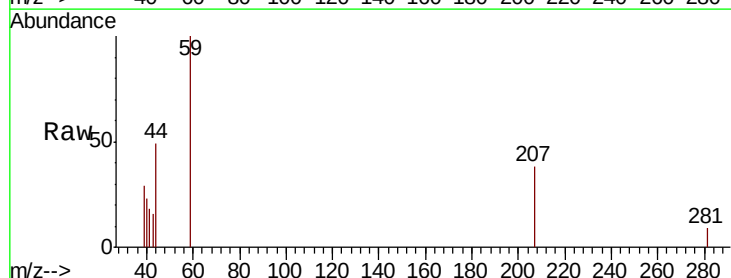
Acq: 04 May 2020 15:18

Tgt Ion: 59 Resp: 1117

Ion Ratio Lower Upper

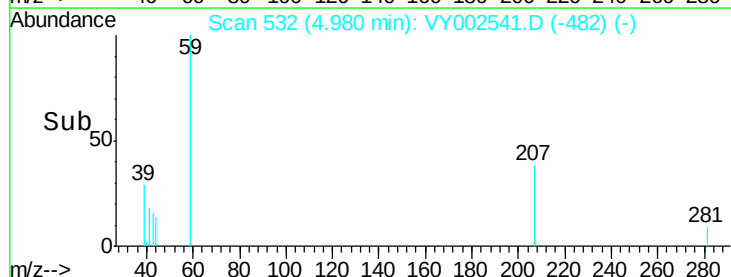
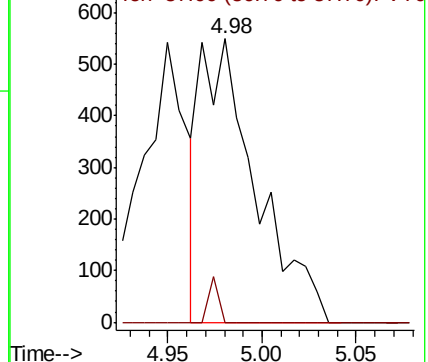
59 100

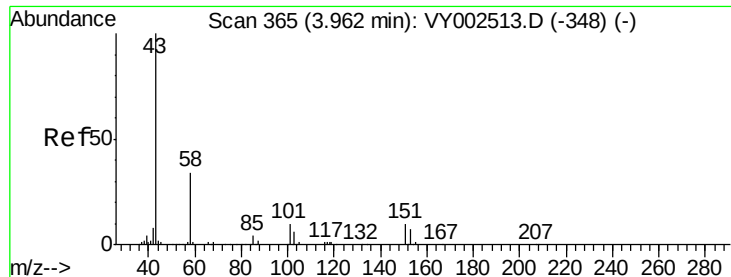
57 2.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 16.584 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

Instrument :

MSVOA_Y

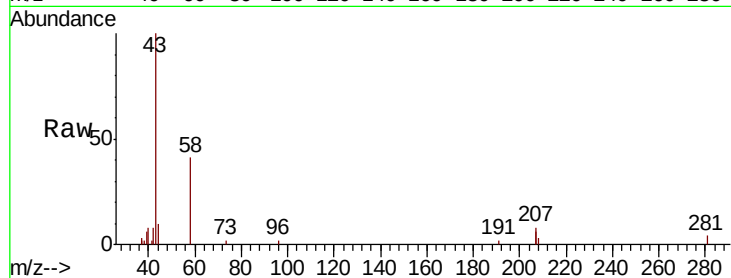
ClientSampleId :

Tot Ion: 43 Resp: 8314

Ion Ratio Lower Upper

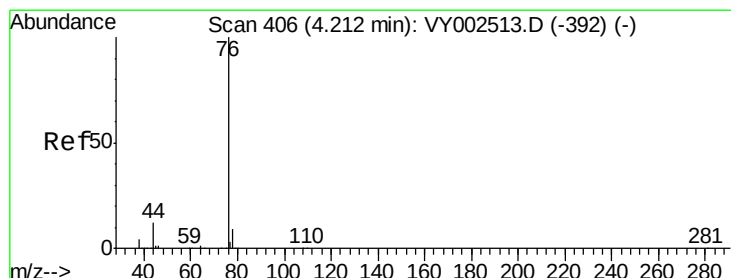
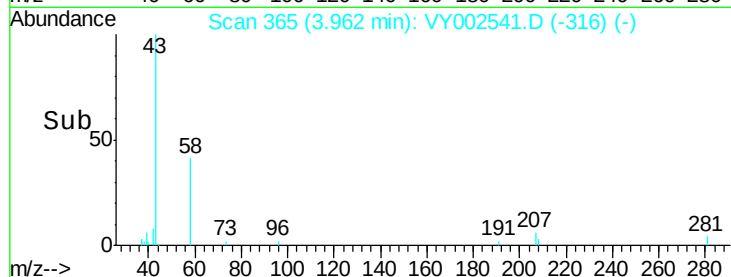
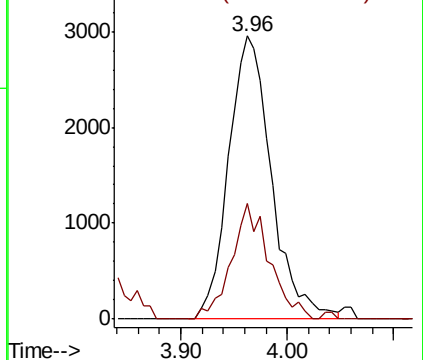
43 100

58 40.8 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 1.257 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.01 min

Lab File: VY002541.D

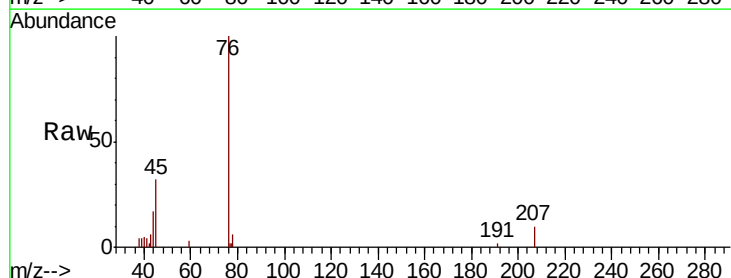
Acq: 04 May 2020 15:18

Tgt Ion: 76 Resp: 9402

Ion Ratio Lower Upper

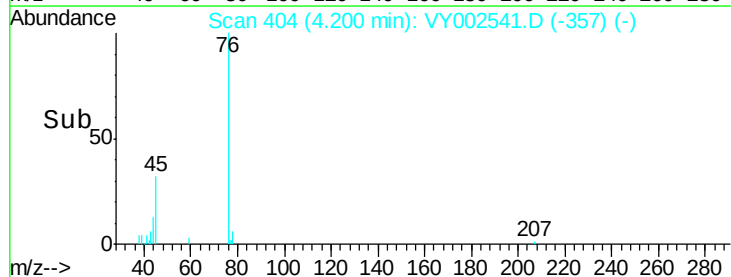
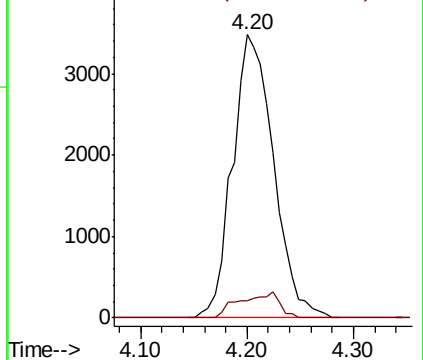
76 100

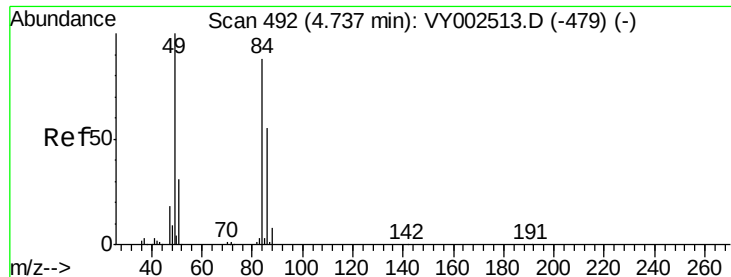
78 5.9 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

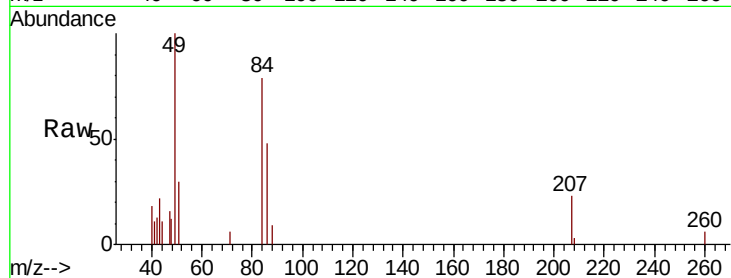




#20
Methylene Chloride
Concen: 1.511 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002541.D
Acq: 04 May 2020 15:18

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	4237
Ion	Ratio	Lower	Upper
84	100		
49	126.2	90.5	135.7
51	37.4	28.3	42.5
86	60.2	49.9	74.9



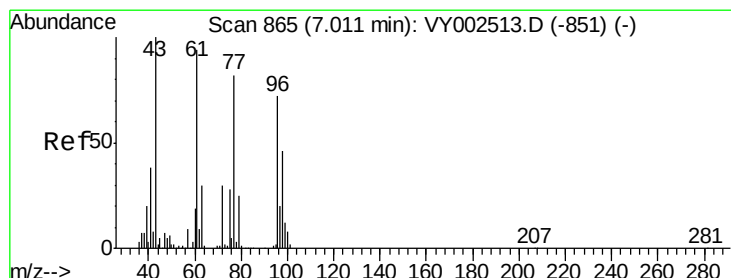
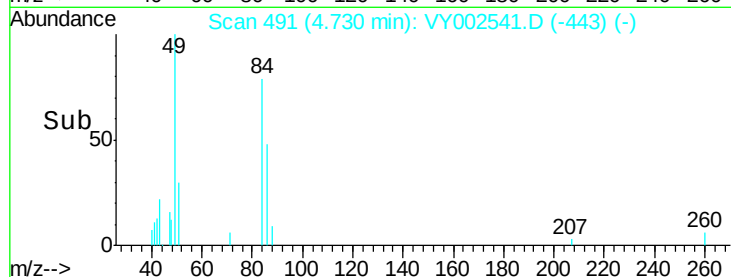
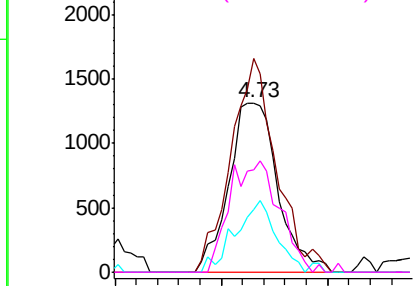
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

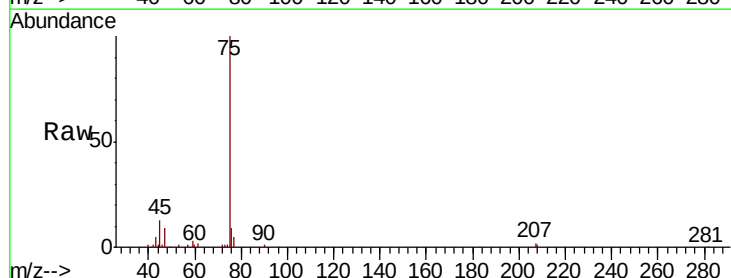
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 2.830 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002541.D
Acq: 04 May 2020 15:18

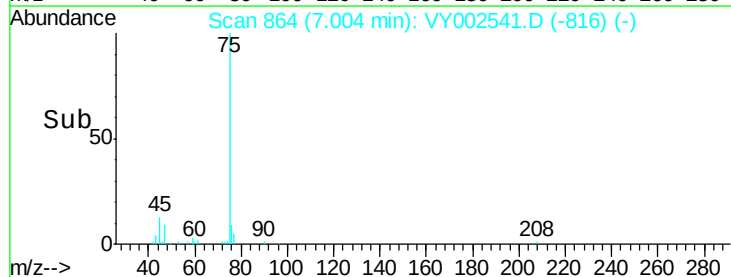
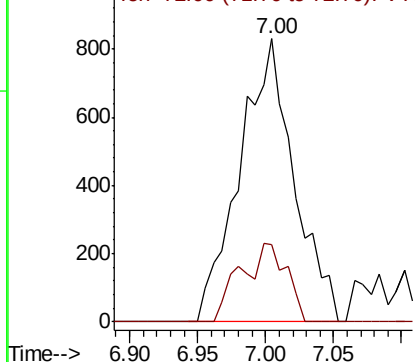
Tgt Ion:	43	Resp:	2322
Ion	Ratio	Lower	Upper
43	100		
72	27.1	24.1	36.1

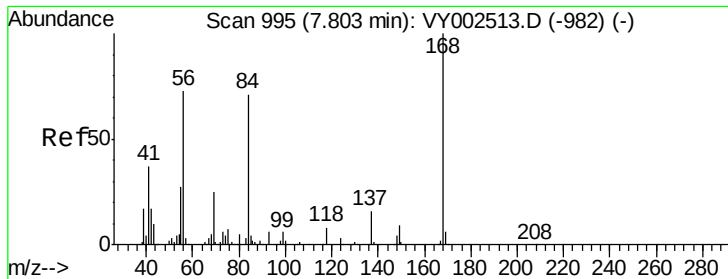


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

Instrument :
MSVOA_Y
ClientSampled :

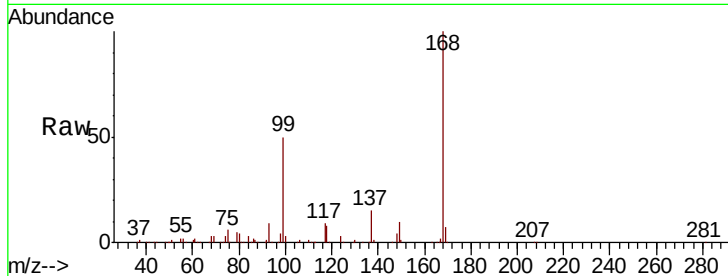
Tot Ion: 56 Resp: 5032

Ion Ratio Lower Upper

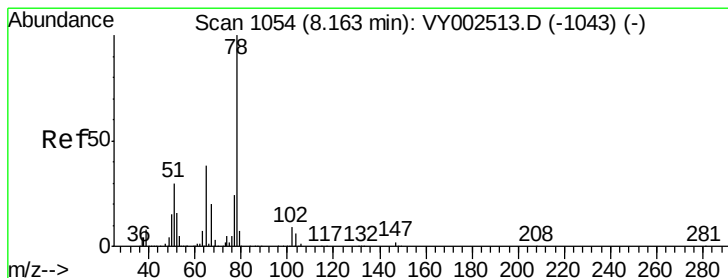
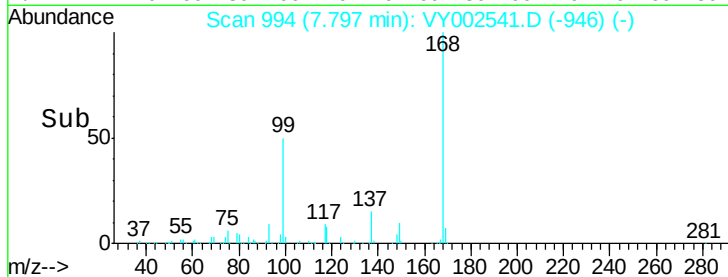
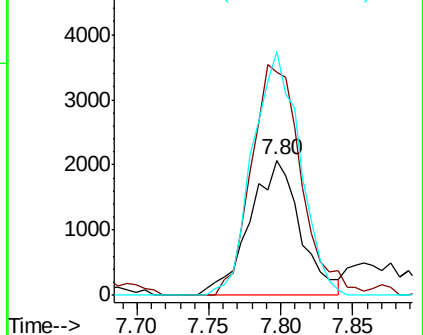
56 100

69 165.8 27.6 41.4#

84 180.5 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: 63.286 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002541.D

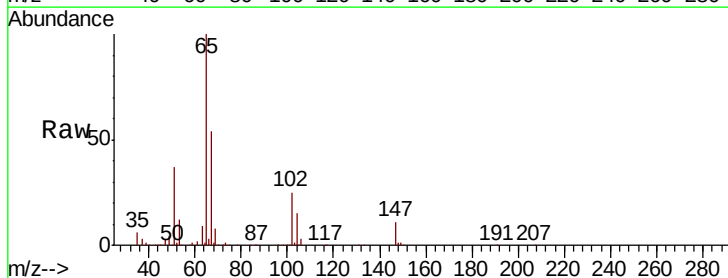
Acq: 04 May 2020 15:18

Tgt Ion: 65 Resp: 153730

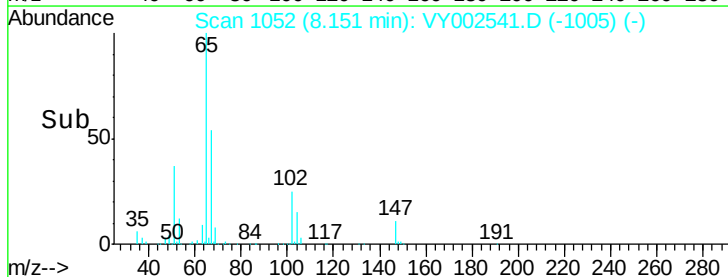
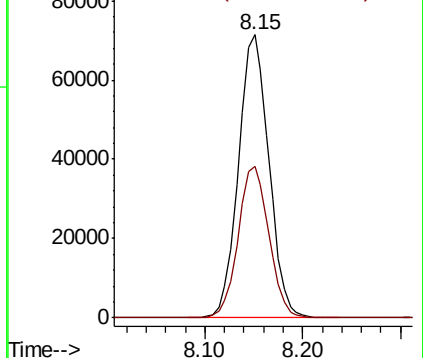
Ion Ratio Lower Upper

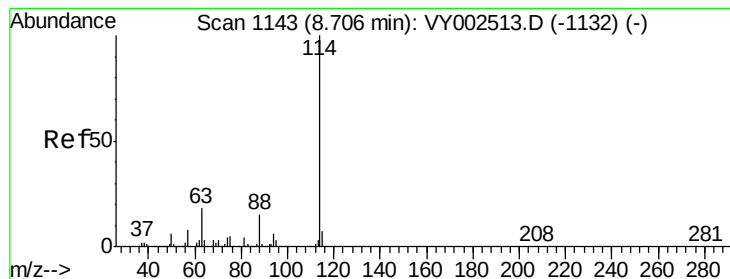
65 100

67 53.9 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: VY002541.D

Acq: 04 May 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

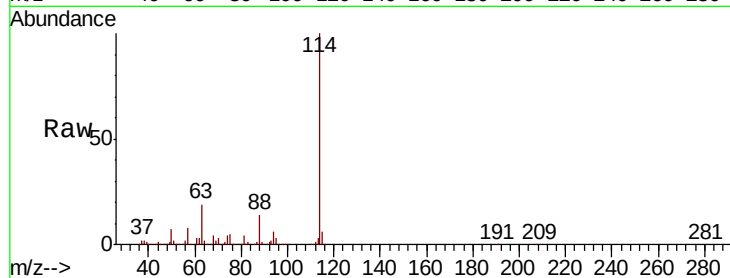
Tot Ion:114 Resp: 468750

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.4

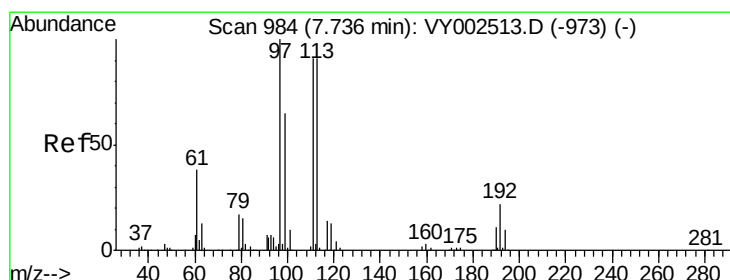
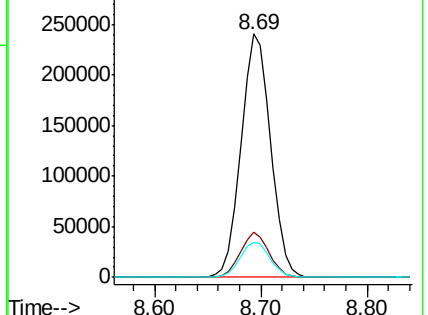
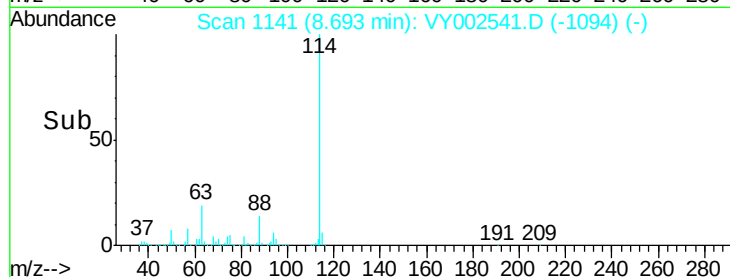
88 14.2 0.0 29.6



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: 54.112 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

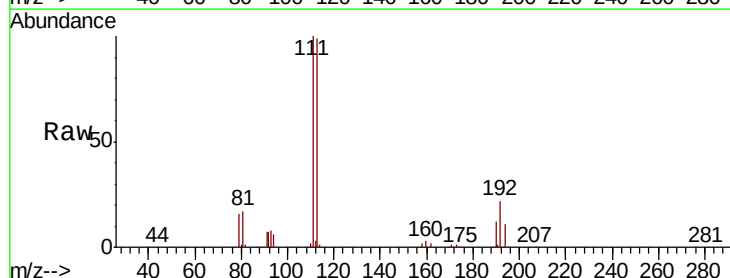
Tgt Ion:113 Resp: 145062

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

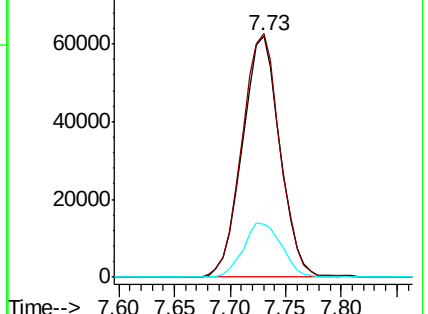
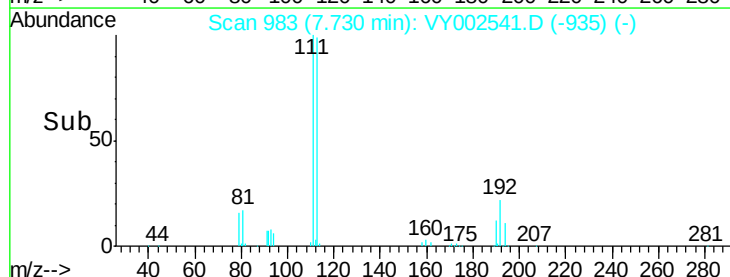
192 22.8 18.2 27.4

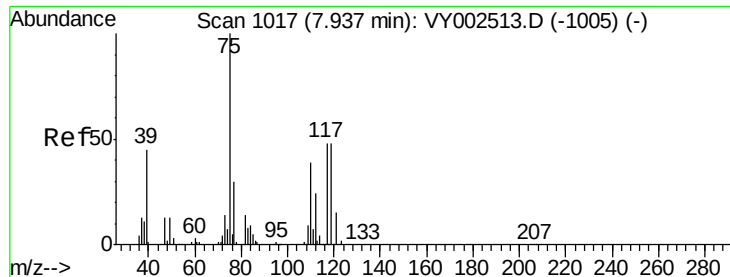


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.725 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

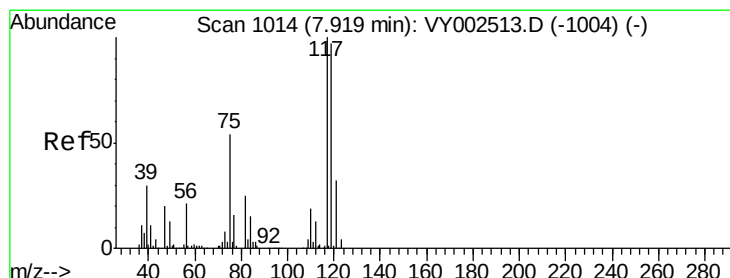
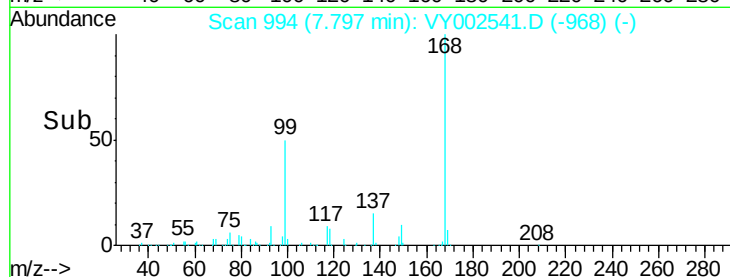
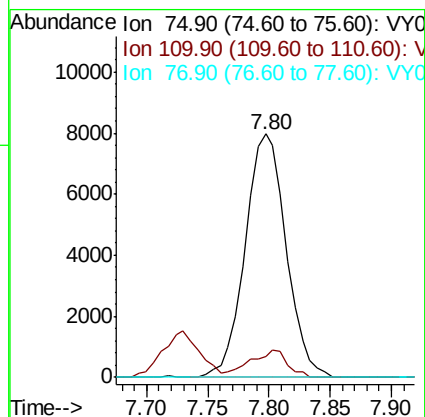
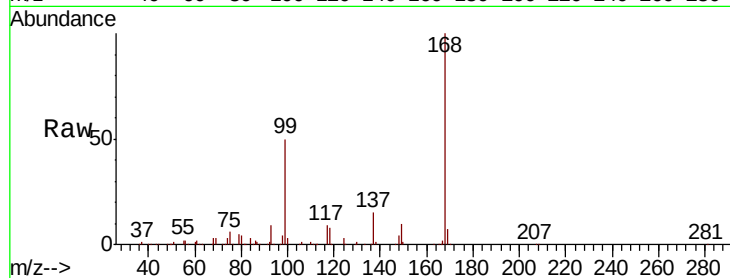
Tot Ion: 75 Resp: 18567

Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

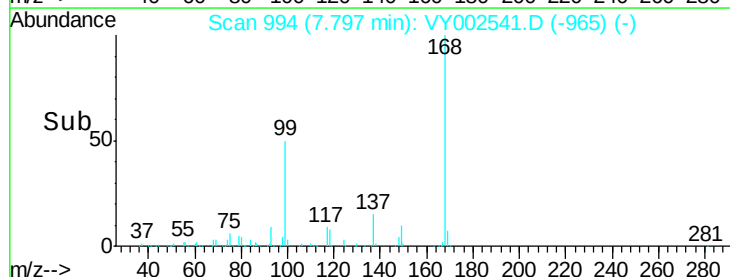
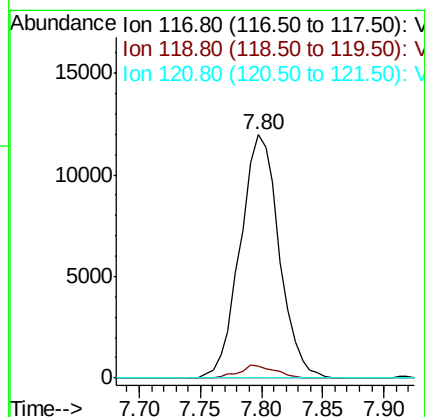
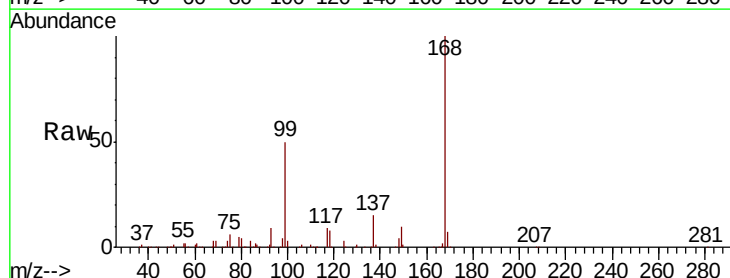
Tgt Ion: 117 Resp: 26513

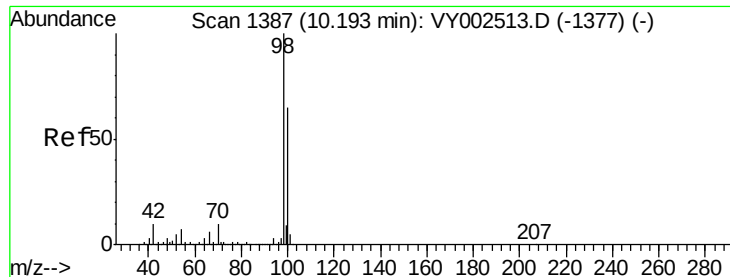
Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 52.409 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

Instrument :

MSVOA_Y

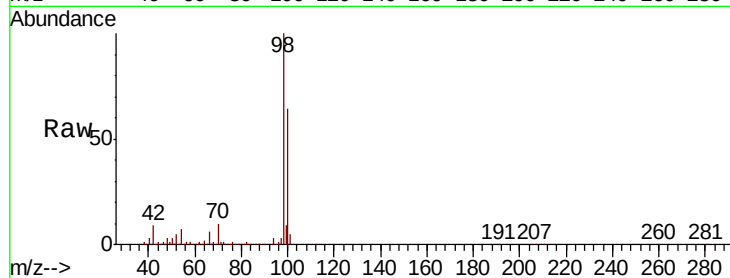
ClientSampleId :

Tot Ion: 98 Resp: 548667

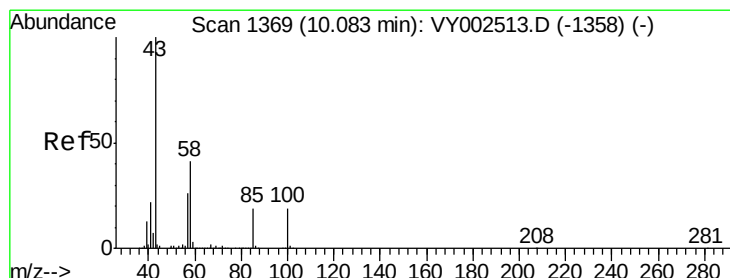
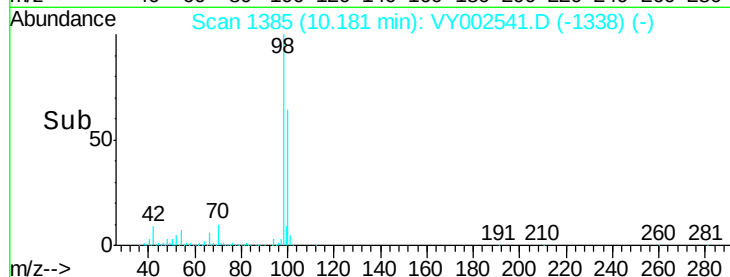
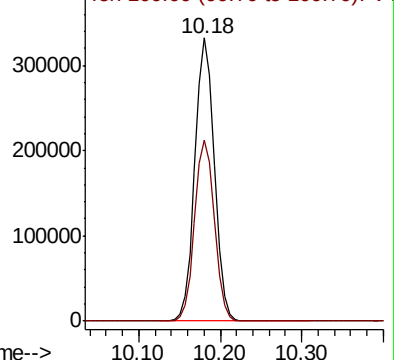
Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002541.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.157 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002541.D

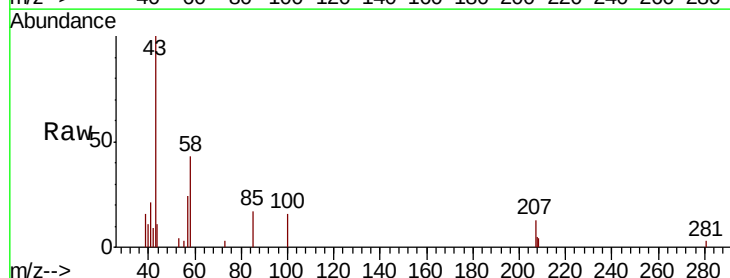
Acq: 04 May 2020 15:18

Tgt Ion: 43 Resp: 4209

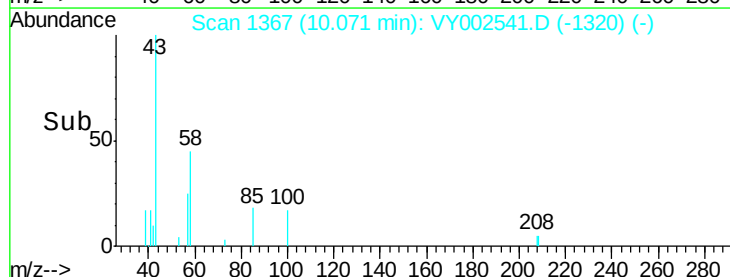
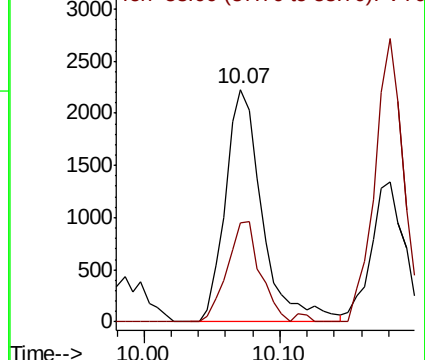
Ion Ratio Lower Upper

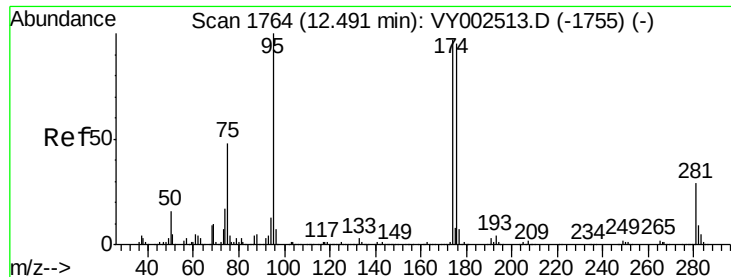
43 100

58 38.5 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY002541.D (-1320) (-)





#62

4-Bromofluorobenzene

Concen: 50.762 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

Instrument :

MSVOA_Y

ClientSampleId :

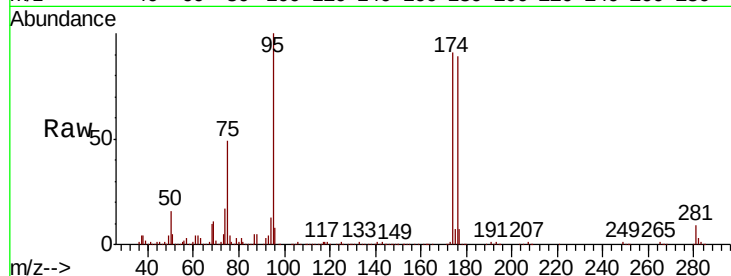
Tot Ion: 95 Resp: 180324

Ion Ratio Lower Upper

95 100

174 94.5 0.0 188.8

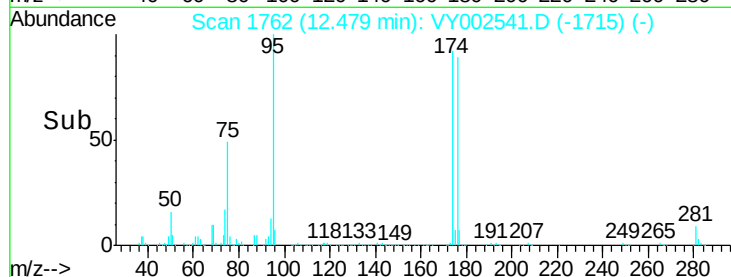
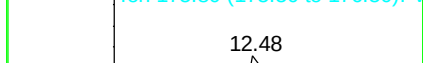
176 92.7 0.0 183.2



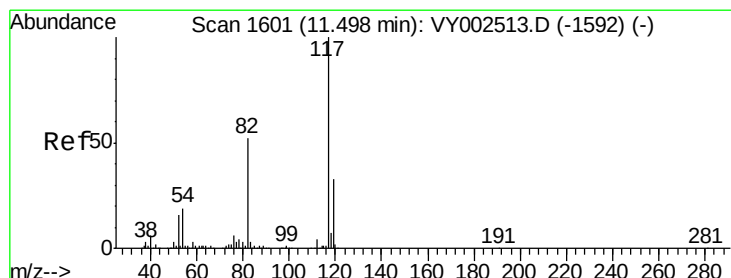
Abundance Ion 94.90 (94.60 to 95.60): VY002541.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY002541.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY002541.D (-1715) (-)



Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

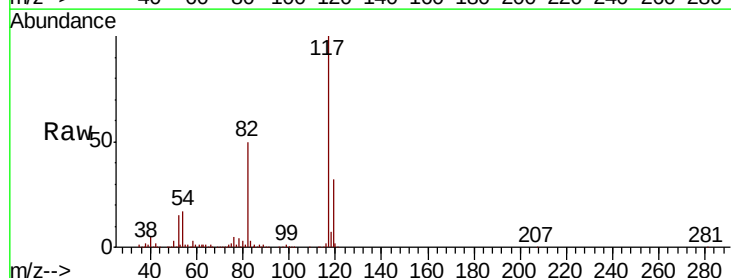
Tgt Ion: 117 Resp: 425425

Ion Ratio Lower Upper

117 100

82 49.5 41.3 61.9

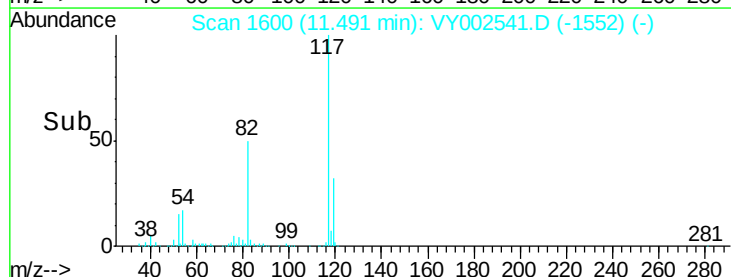
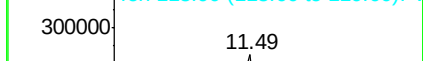
119 31.7 26.0 39.0



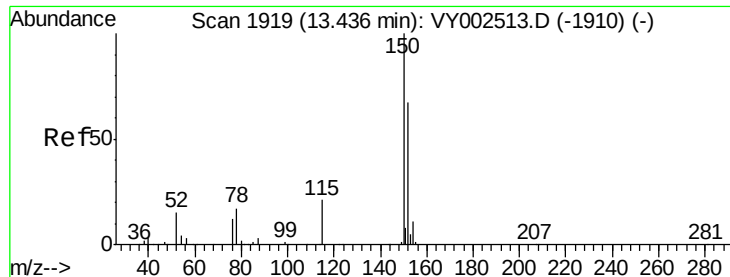
Abundance Ion 116.90 (116.60 to 117.60): VY002541.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY002541.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY002541.D (-1552) (-)



Time--> 11.40 11.50 11.60

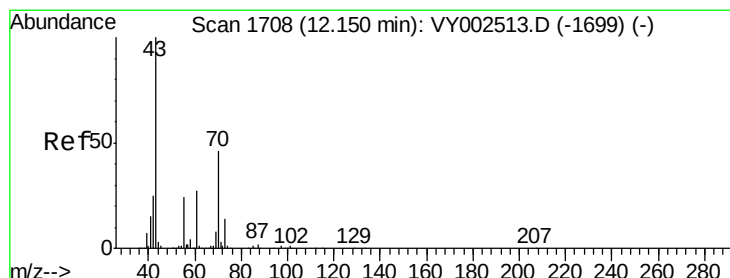
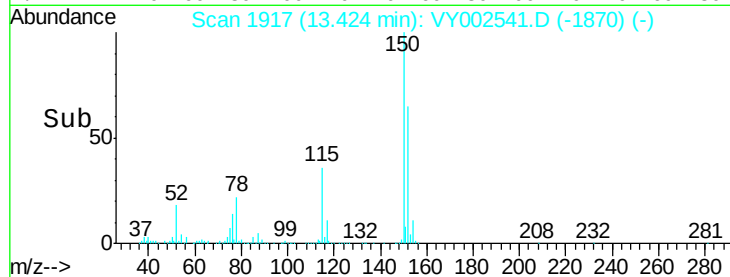
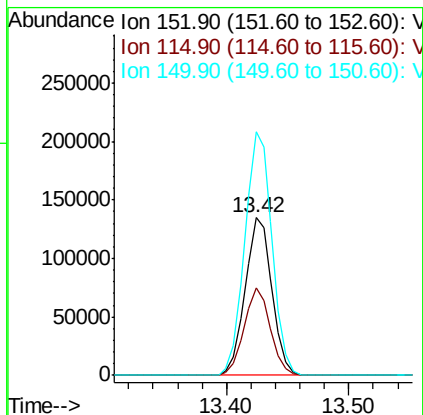
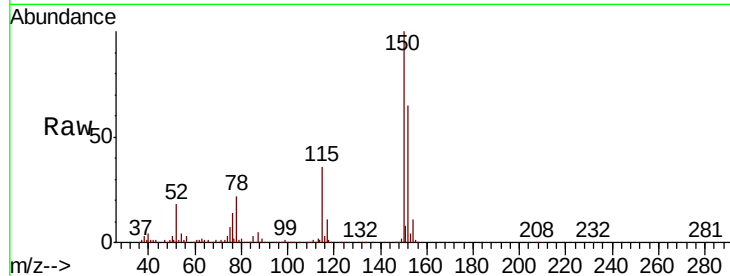


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002541.D
Acq: 04 May 2020 15:18

Instrument :
MSVOA_Y
ClientSampleId :

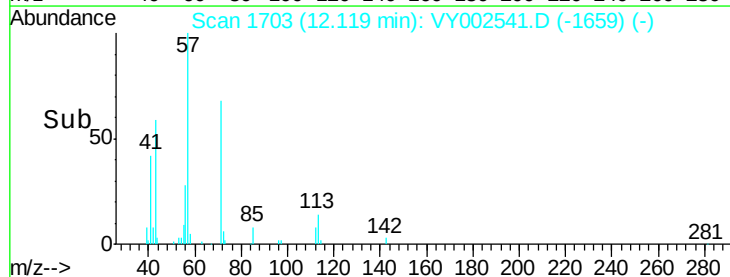
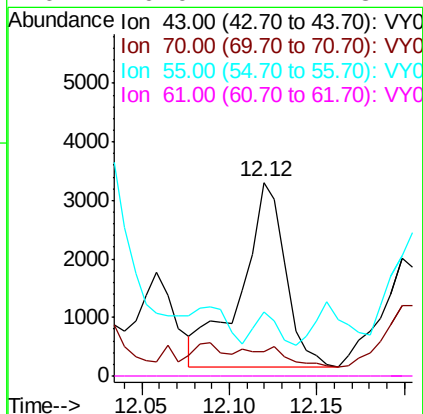
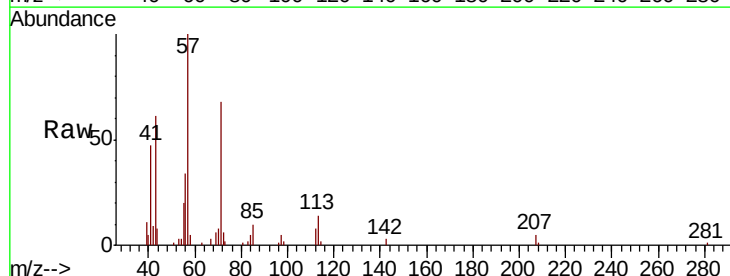
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.5	82.4
150	156.4	0.0	346.4

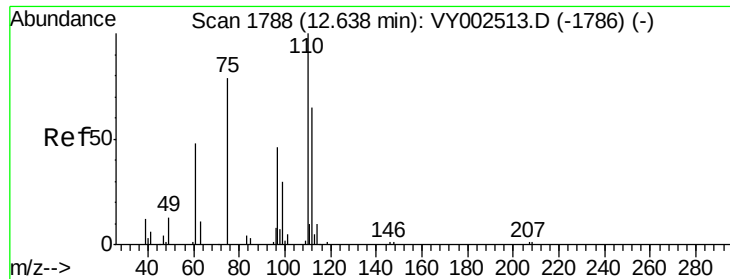


#74

N-ethyl acetate
Concen: 1.742 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.03 min
Lab File: VY002541.D
Acq: 04 May 2020 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.7	55.1#
55	0.0	19.2	28.8#
61	0.0	21.1	31.7#





#76

1,2,3-Trichloropropane

Concen: 48.398 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

Instrument :

MSVOA_Y

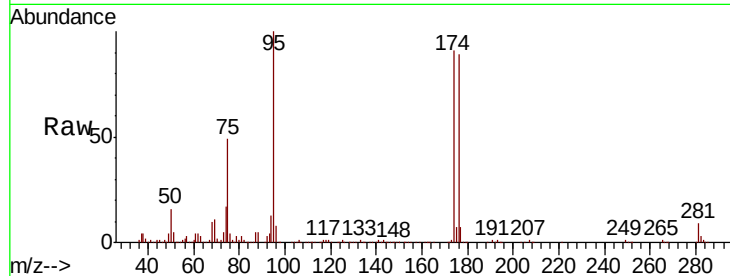
ClientSampleId :

Tot Ion: 75 Resp: 88170

Ion Ratio Lower Upper

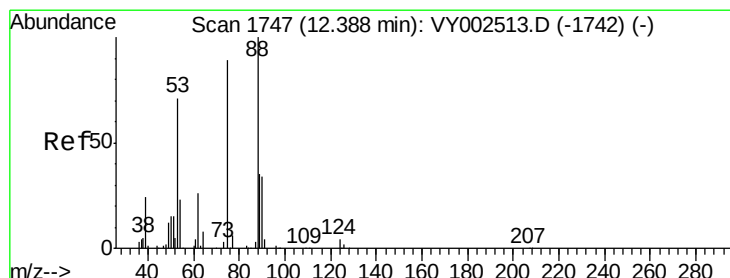
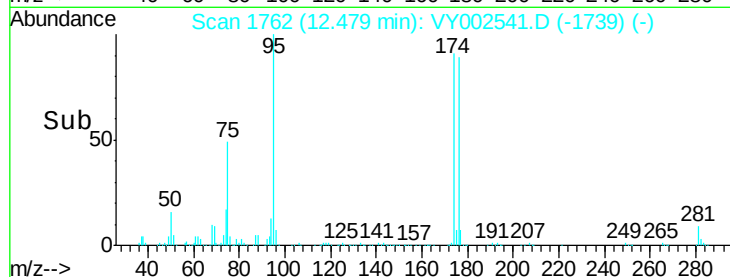
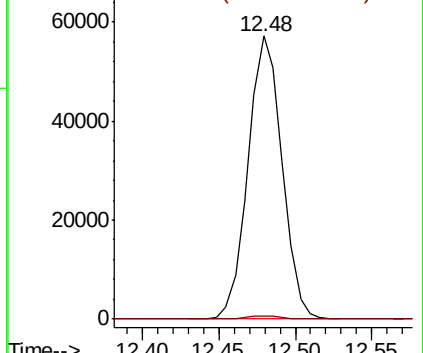
75 100

77 1.4 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: 97.047 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002541.D

Acq: 04 May 2020 15:18

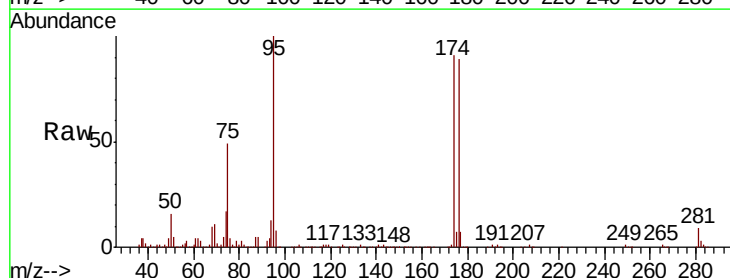
Tgt Ion: 75 Resp: 88170

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.0#

89 0.1 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

