

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002641.D
 Acq On : 08 May 2020 14:37
 Operator : SY/MD
 Sample : L2554-01
 Misc : 6.41G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 03:46:46 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	7.82	168	308452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	464583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	356569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119463	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	124403	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.74	113	133173	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.19	98	516107	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.49	95	131644	37.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.78%	

Target Compounds

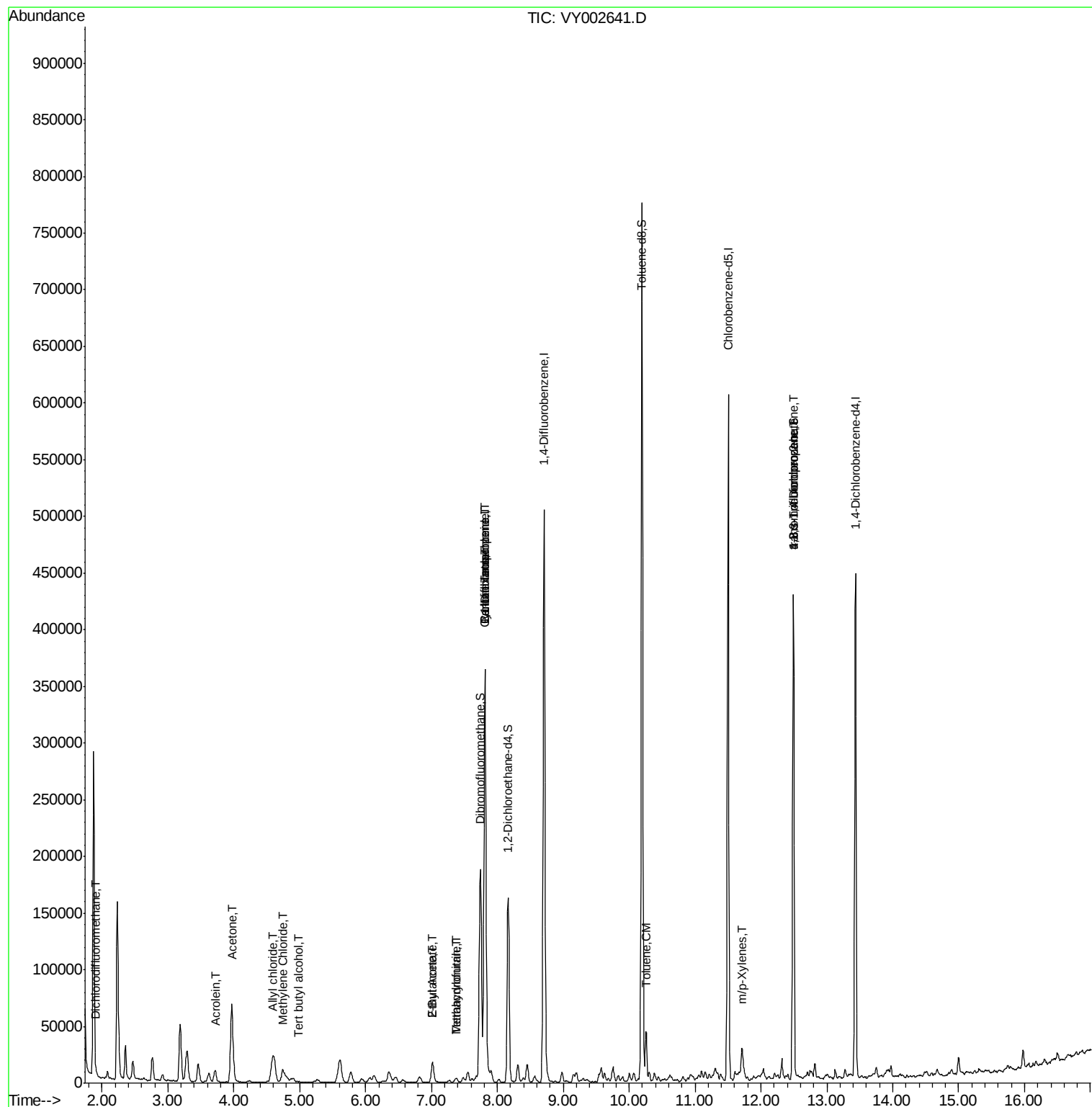
						Qvalue
2) Dichlorodifluoromethane	1.91	85	103	1.823	ug/l #	43
11) Tert butyl alcohol	4.97	59	412	1.544	ug/l #	74
13) Acrolein	3.72	56	481	2.607	ug/l #	1
14) Allyl chloride	4.59	41	15756	4.073	ug/l #	67
16) Acetone	3.97	43	119275	222.841	ug/l	98
20) Methylene Chloride	4.74	84	8231	2.750	ug/l #	94
25) 2-Butanone	7.02	43	29628	33.816	ug/l	100
29) Tetrahydrofuran	7.38	42	783	1.351	ug/l #	50
31) Cyclohexane	7.80	56	8071	1.731	ug/l #	41
36) 1,1-Dichloropropene	7.81	75	19549	5.019	ug/l #	48
37) Ethyl Acetate	7.02	43	29628	14.804	ug/l #	67
38) Carbon Tetrachloride	7.81	117	27329	6.427	ug/l #	15
41) Methacrylonitrile	7.37	41	1516	1.409	ug/l #	46
52) Toluene	10.25	92	16751	2.317	ug/l	98
68) m/p-Xylenes	11.70	106	6131	1.331	ug/l	92
76) 1,2,3-Trichloropropane	12.49	75	62235	58.622	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62235	117.549	ug/l #	15

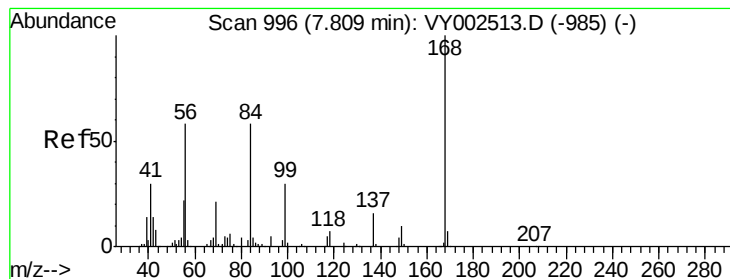
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002641.D

Acq: 08 May 2020 14:37

Instrument :

MSVOA_Y

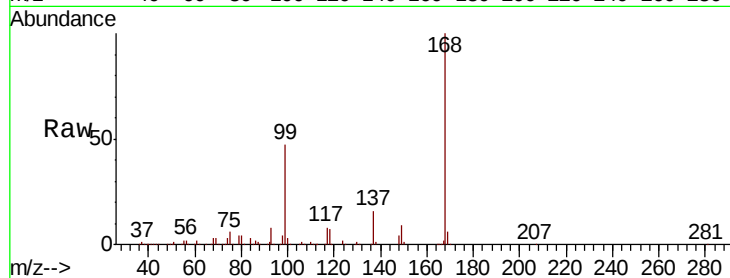
ClientSampleId :

Tot Ion:168 Resp: 308452

Ion Ratio Lower Upper

168 100

99 47.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002641.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002641.D (-947) (-)

7.82

150000

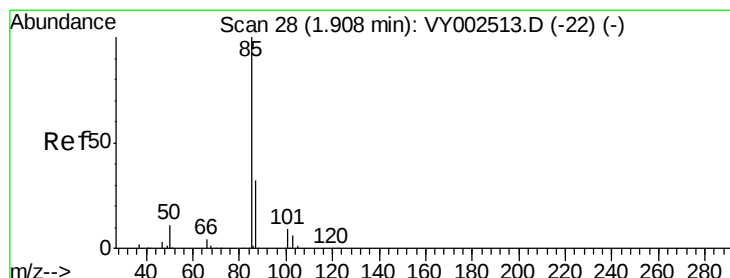
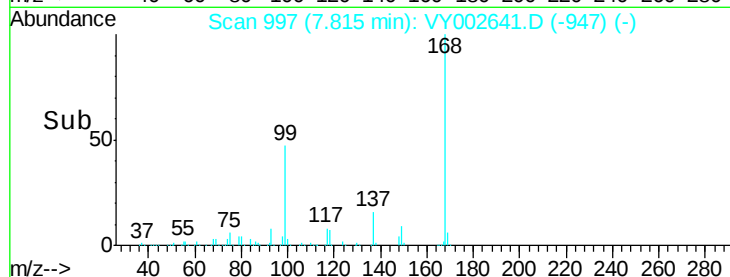
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.823 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002641.D

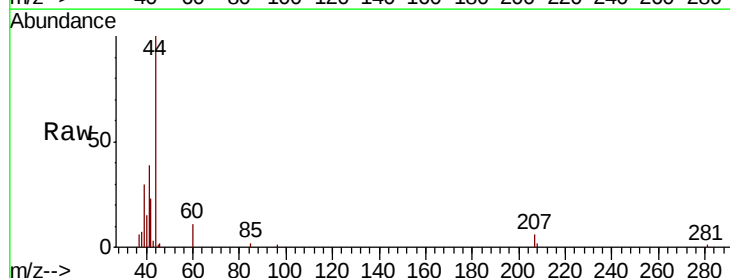
Acq: 08 May 2020 14:37

Tgt Ion: 85 Resp: 103

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002641.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002641.D (-1) (-)

1.91

120

100

80

60

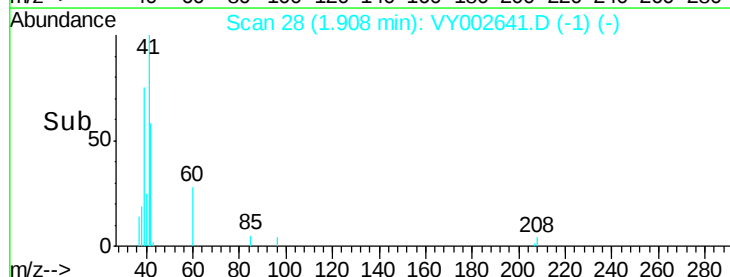
40

20

0

1.88 1.90 1.92 1.94

Time-->



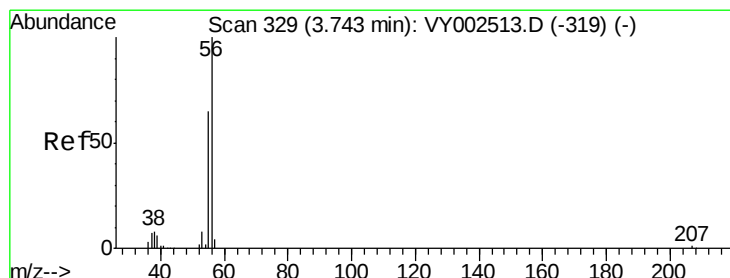
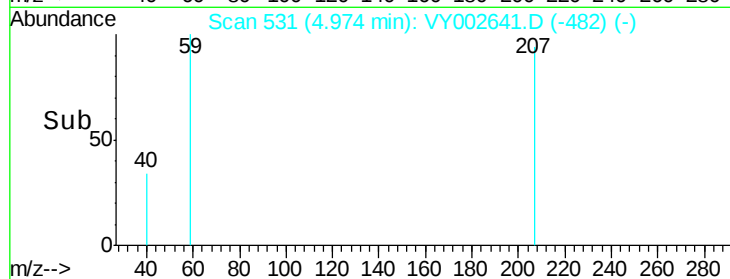
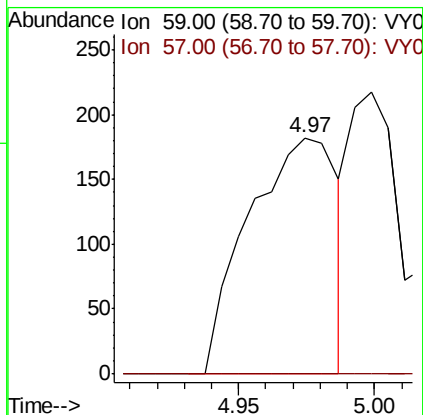
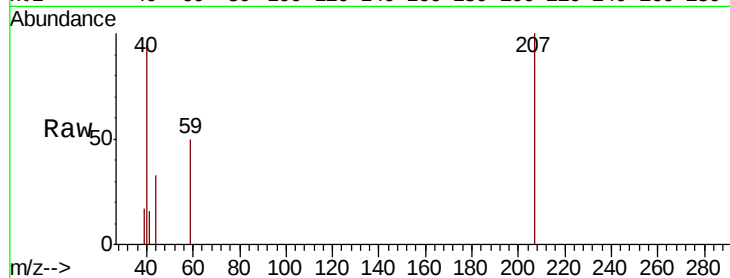


#11

Tert butyl alcohol
 Concen: 1.544 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY002641.D
 Acq: 08 May 2020 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :

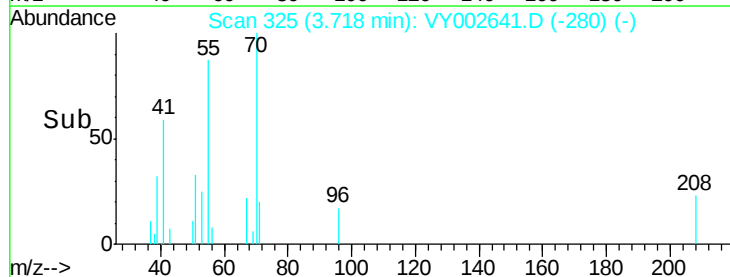
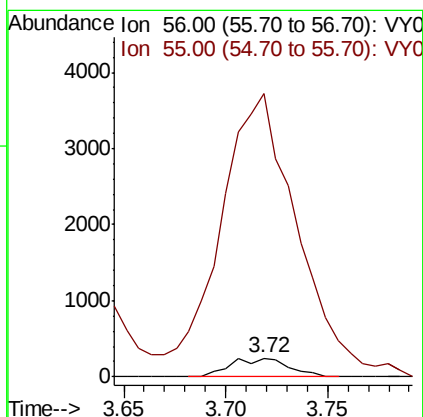
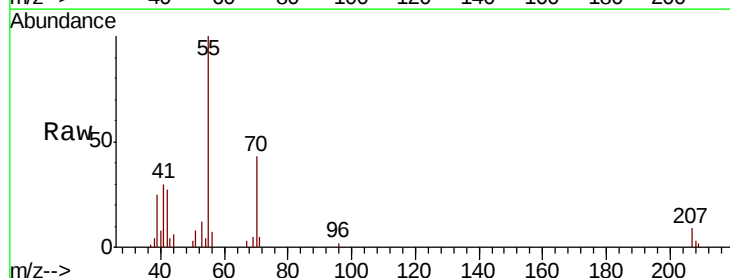
Tot Ion: 59 Resp: 412
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

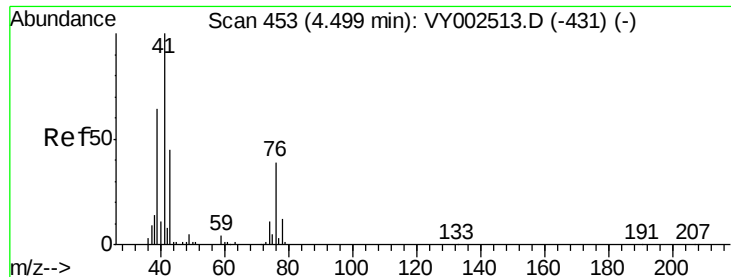


#13

Acrolein
 Concen: 2.607 ug/l
 RT: 3.72 min Scan# 325
 Delta R.T. -0.02 min
 Lab File: VY002641.D
 Acq: 08 May 2020 14:37

Tgt Ion: 56 Resp: 481
 Ion Ratio Lower Upper
 56 100
 55 2036.8 53.8 80.6#





#14

Allvl chloride

Concen: 4.073 ug/l

RT: 4.59 min Scan# 468

Delta R.T. 0.09 min

Lab File: VY002641.D

Acq: 08 May 2020 14:37

Instrument :

MSVOA_Y

ClientSampled :

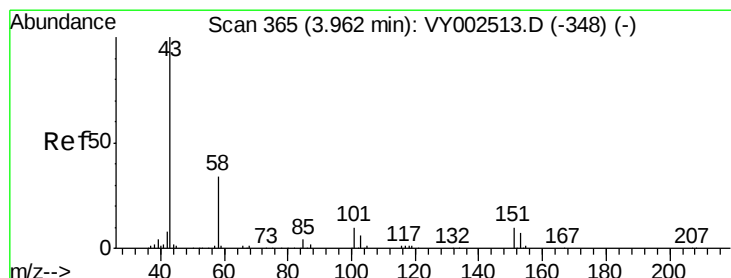
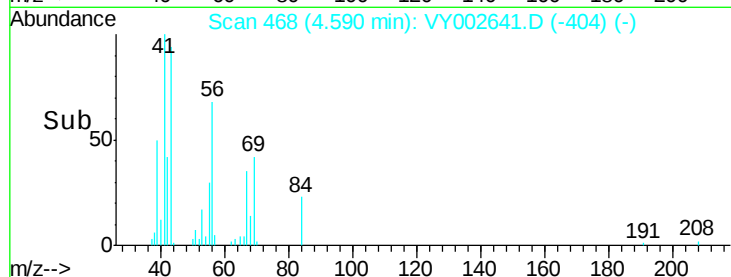
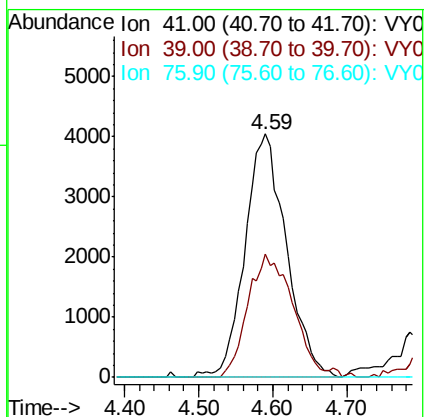
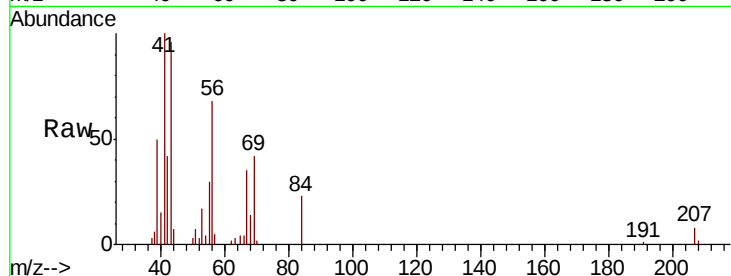
Tot Ion: 41 Resp: 15756

Ion Ratio Lower Upper

41 100

39 54.4 51.8 77.6

76 0.0 31.7 47.5#



#16

Acetone

Concen: 222.841 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002641.D

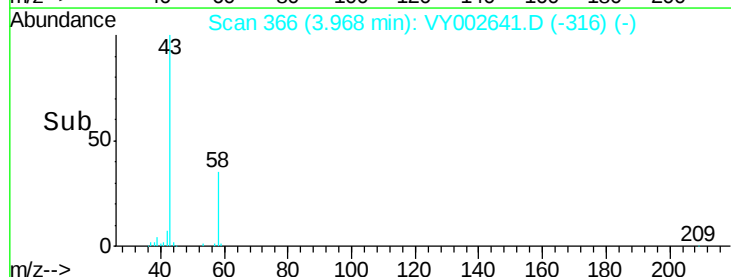
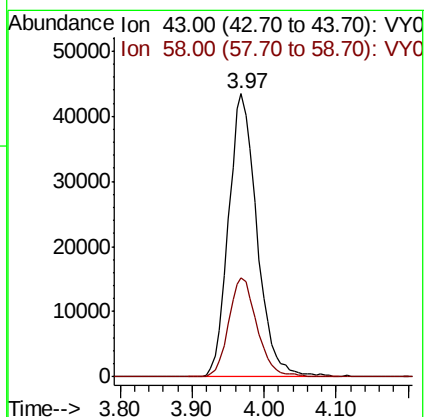
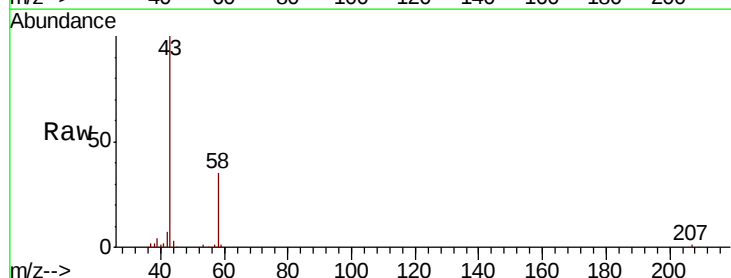
Acq: 08 May 2020 14:37

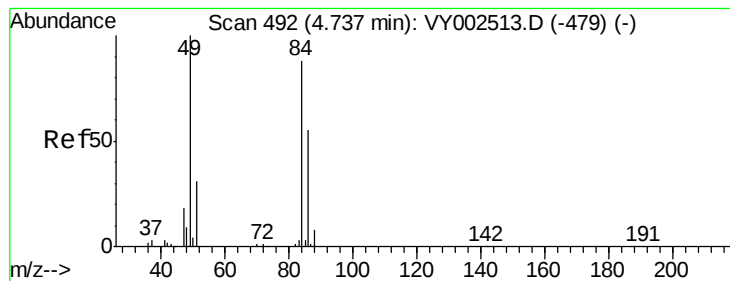
Tgt Ion: 43 Resp: 119275

Ion Ratio Lower Upper

43 100

58 34.8 26.9 40.3





#20

Methylene Chloride

Concen: 2.750 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002641.D

Acq: 08 May 2020 14:37

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 8231

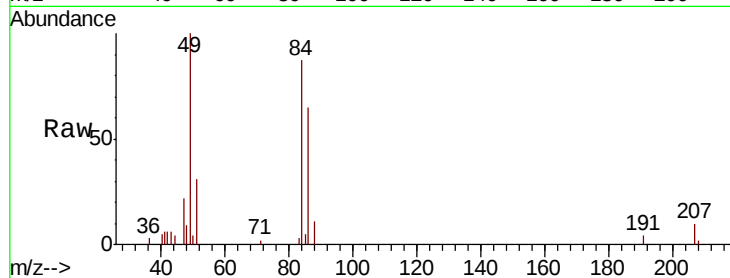
Ion Ratio Lower Upper

84 100

49 115.1 90.5 135.7

51 35.9 28.3 42.5

86 75.0 49.9 74.9#

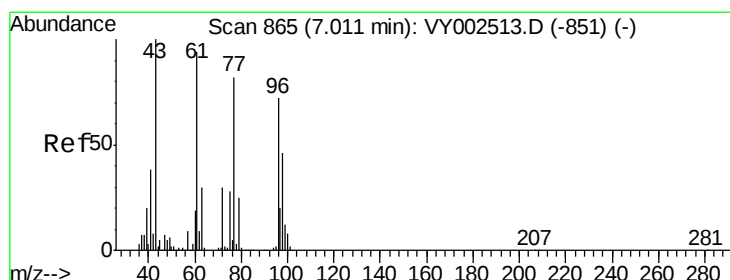
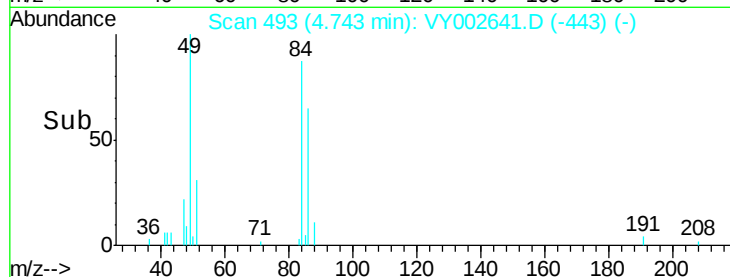
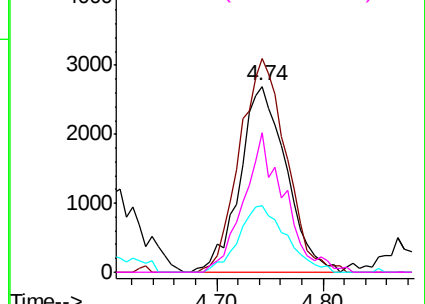


Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 33.816 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002641.D

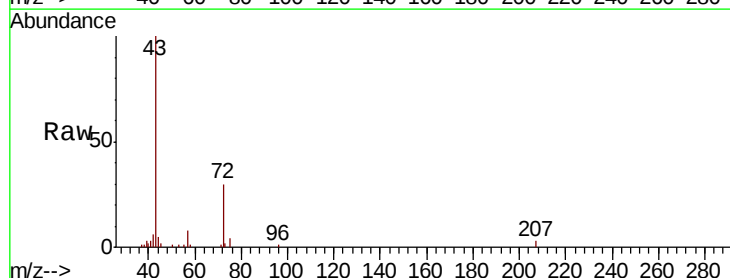
Acq: 08 May 2020 14:37

Tgt Ion: 43 Resp: 29628

Ion Ratio Lower Upper

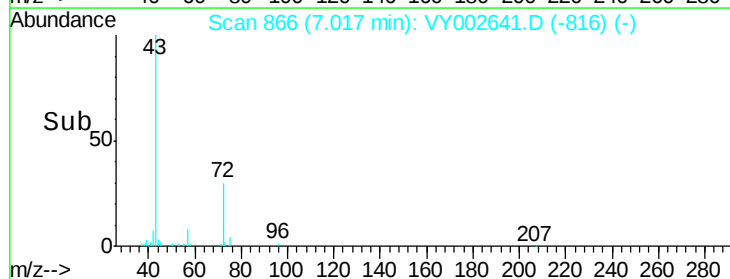
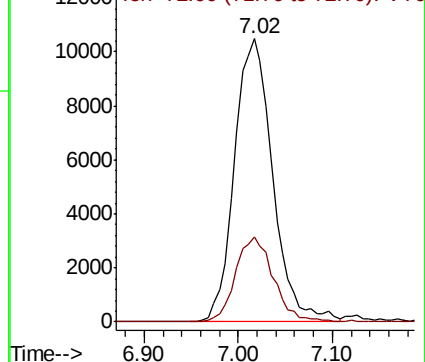
43 100

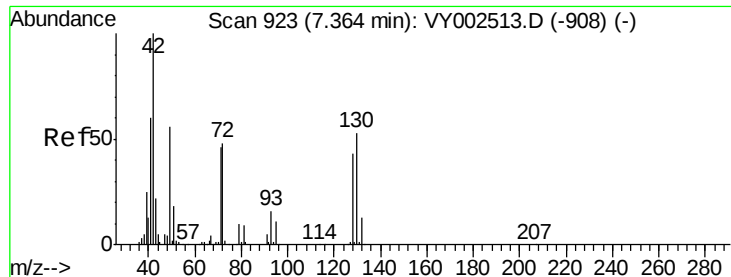
72 29.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

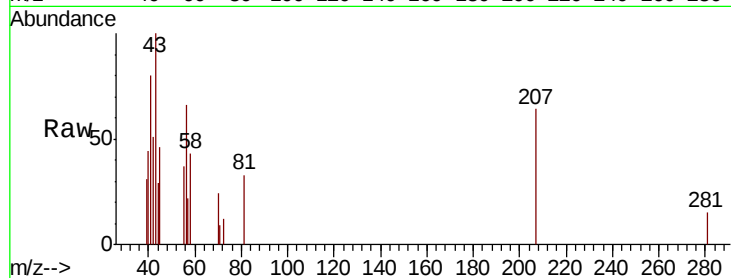




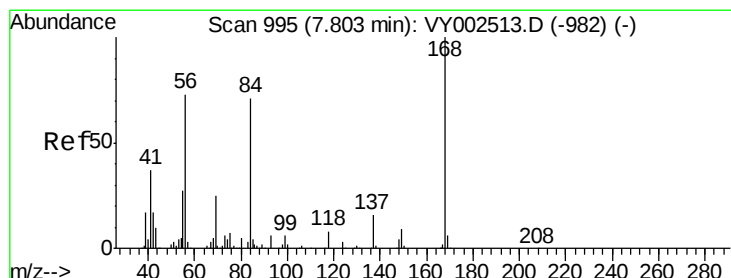
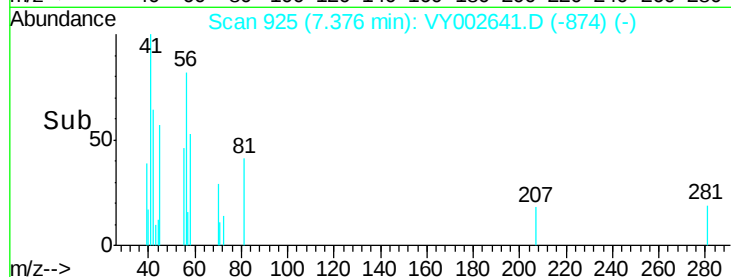
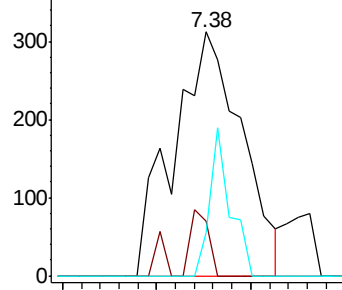
#29
Tetrahydrofuran
Concen: 1.351 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 783
Ion Ratio Lower Upper
42 100
72 7.3 37.4 56.2#
71 18.1 35.0 52.4#

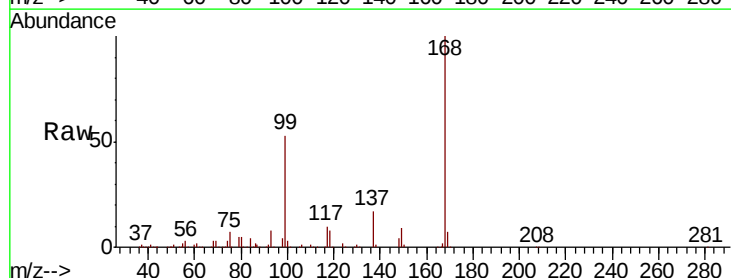


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

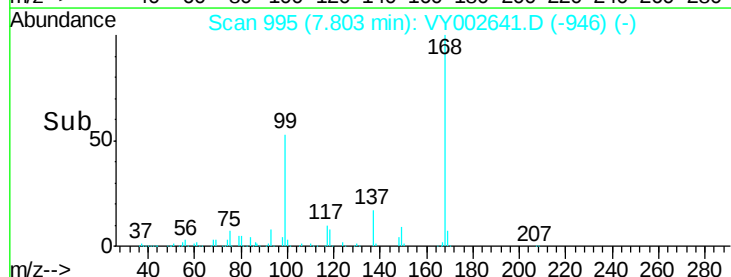
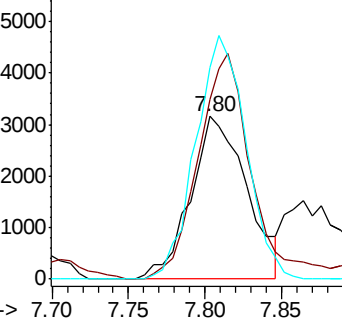


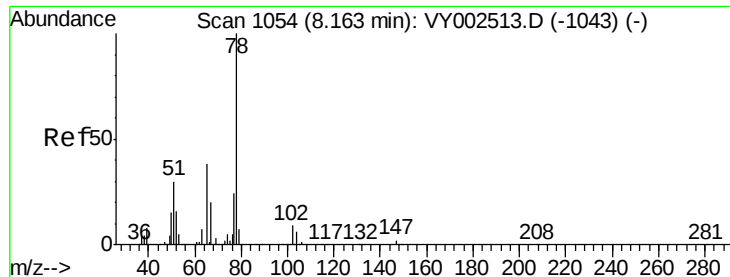
#31
Cyclohexane
Concen: 1.731 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

Tgt Ion: 56 Resp: 8071
Ion Ratio Lower Upper
56 100
69 110.0 27.6 41.4#
84 130.4 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

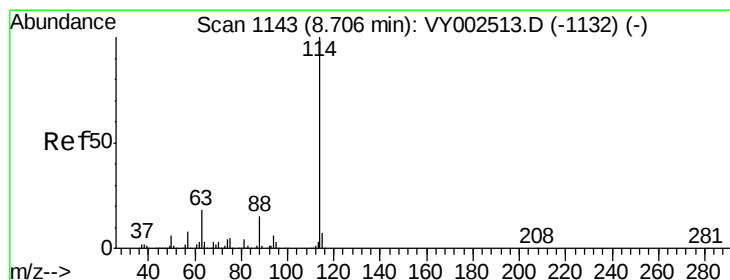
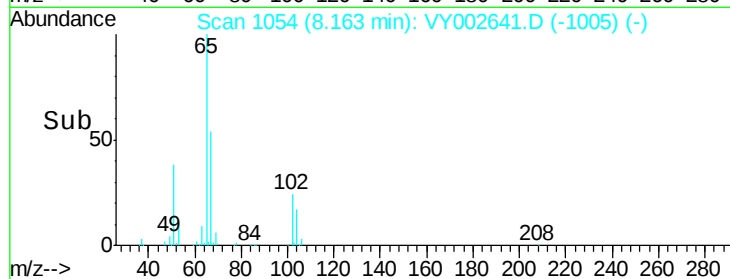
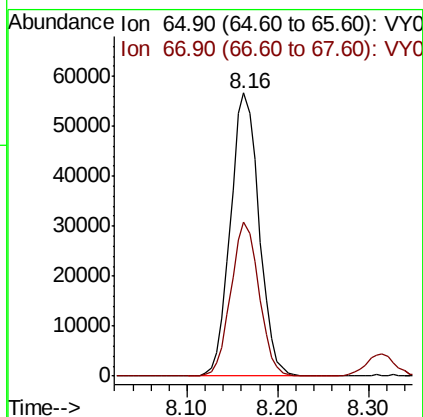
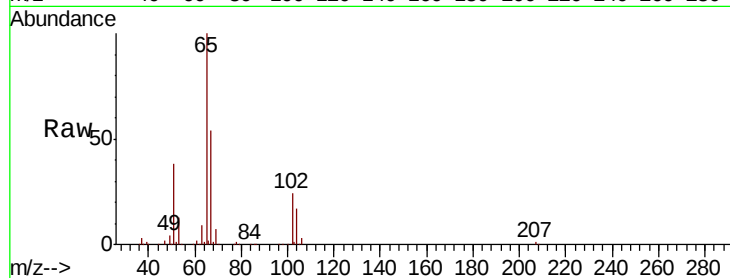




#33
 1,2-Dichloroethane-d4
 Concen: 47.967 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002641.D
 Acq: 08 May 2020 14:37

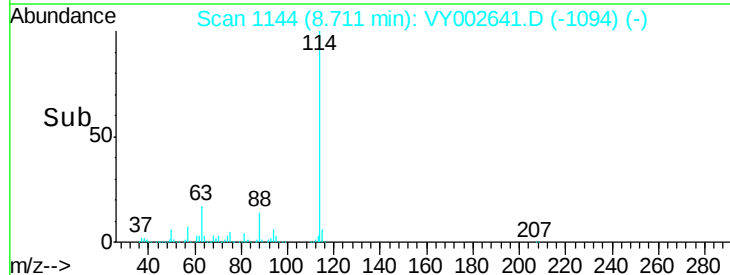
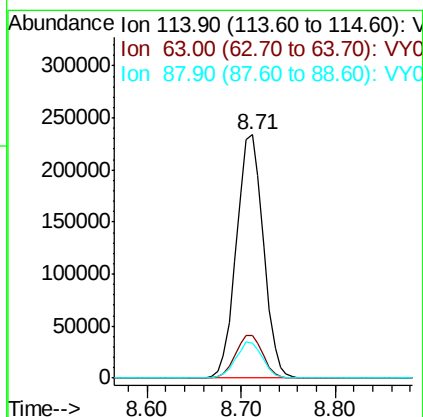
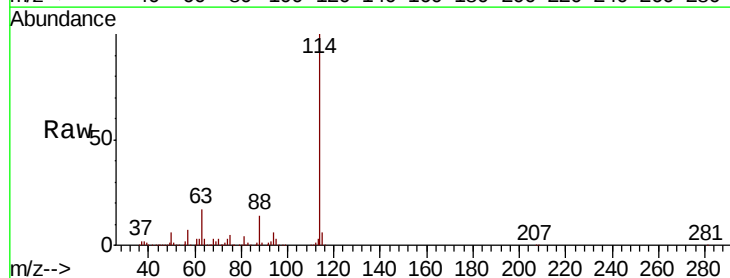
Instrument :
 MSVOA_Y
 ClientSampleId :

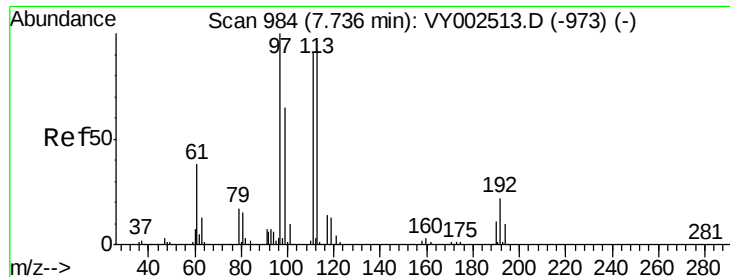
Tot Ion: 65 Resp: 124403
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002641.D
 Acq: 08 May 2020 14:37

Tgt Ion: 114 Resp: 464583
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.4
 88 14.4 0.0 29.6

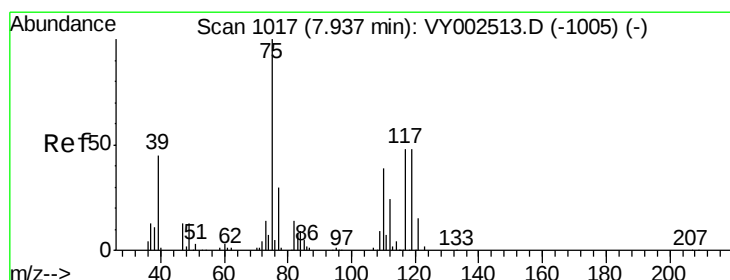
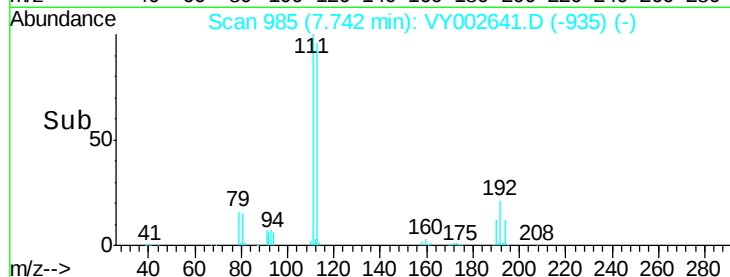
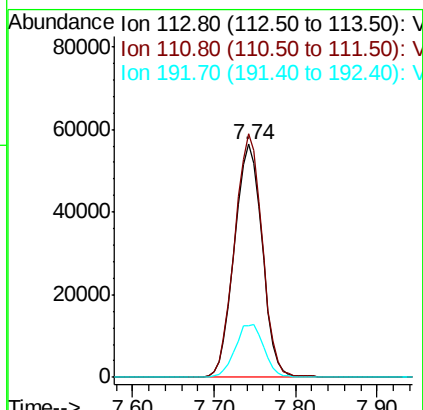
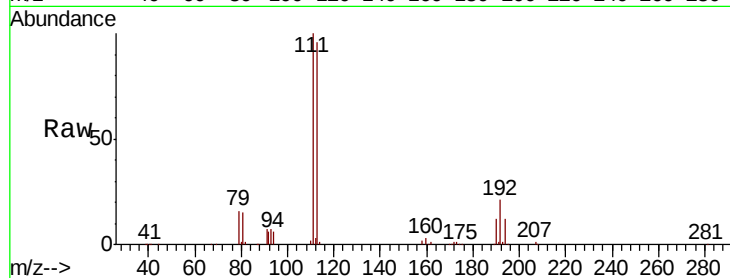




#35
 Dibromofluoromethane
 Concen: 50.122 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002641.D
 Acq: 08 May 2020 14:37

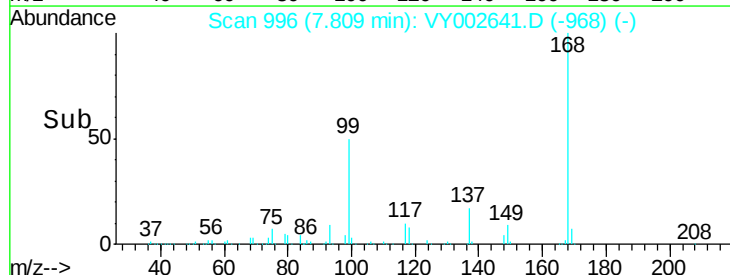
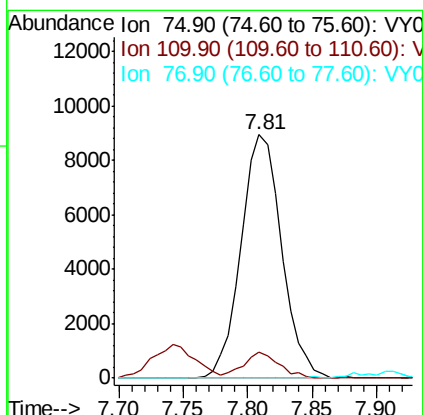
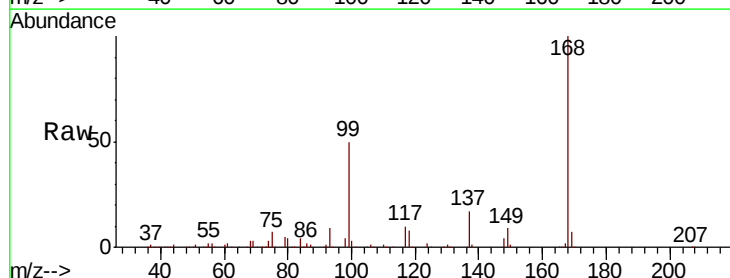
Instrument :
 MSVOA_Y
 ClientSampleId :

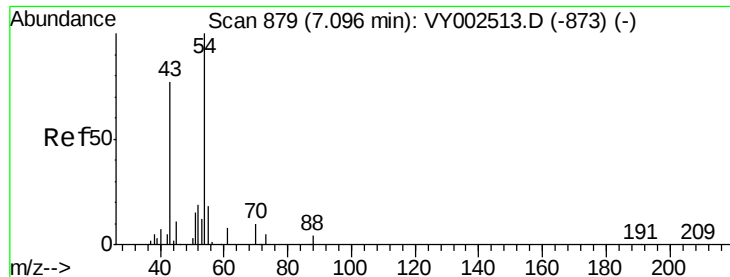
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	23.5	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002641.D
 Acq: 08 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.3#
77	0.0	24.6	37.0#

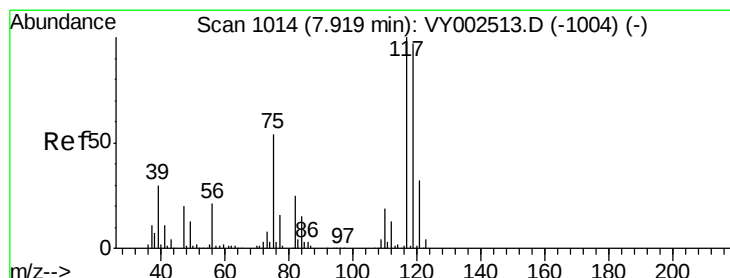
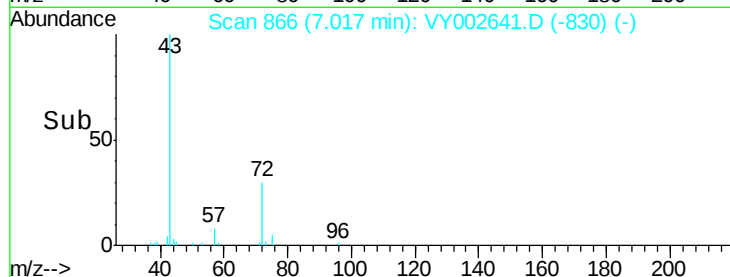
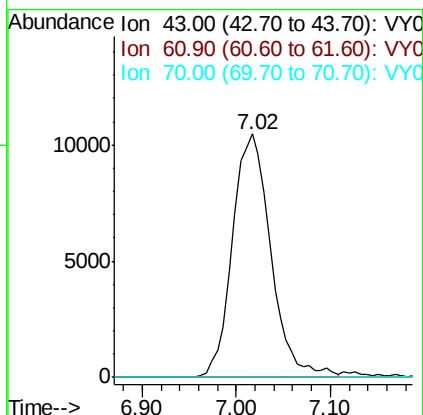
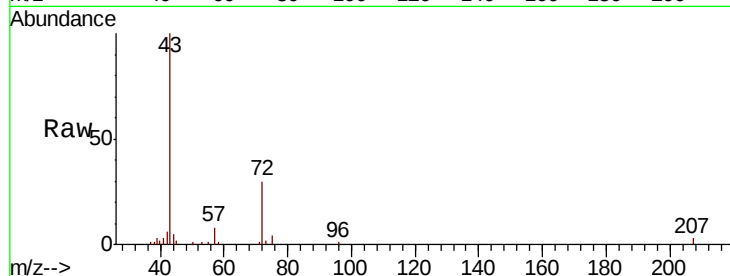




#37
Ethyl Acetate
Concen: 14.804 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.08 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

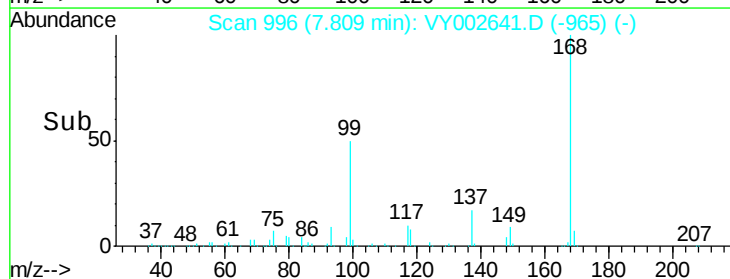
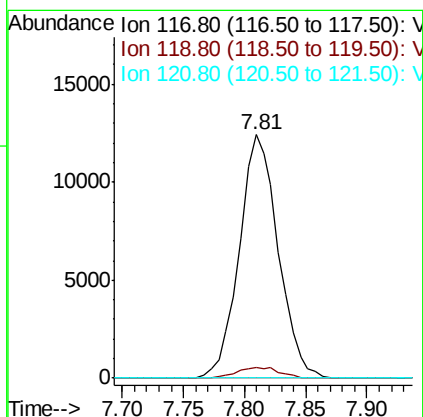
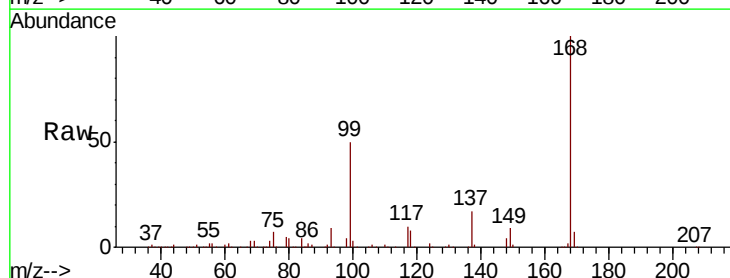
Instrument :
MSVOA_Y
ClientSampled :

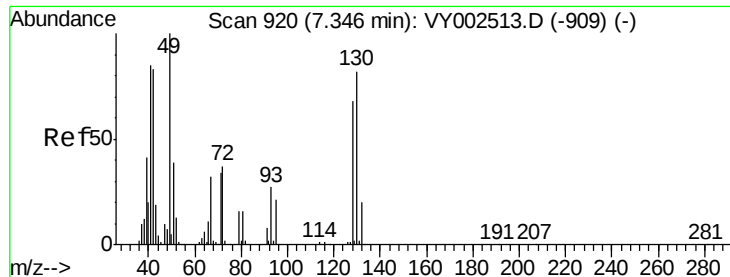
Tot Ion: 43 Resp: 29628
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 6.427 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.11 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

Tgt Ion: 117 Resp: 27329
Ion Ratio Lower Upper
117 100
119 4.6 77.1 115.7#
121 0.0 25.2 37.8#

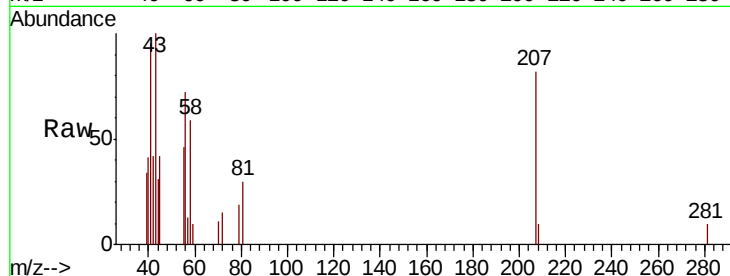




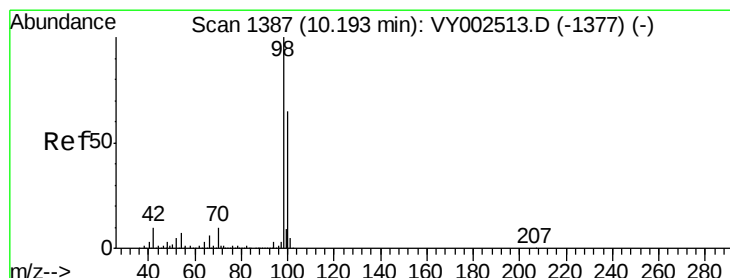
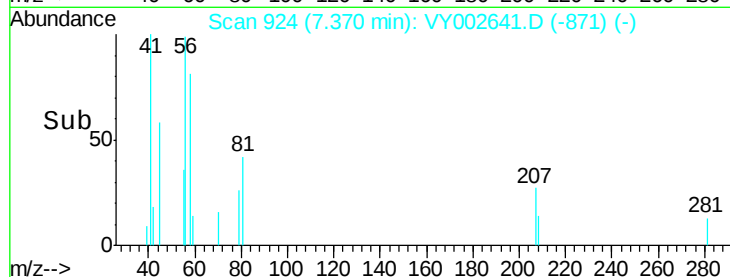
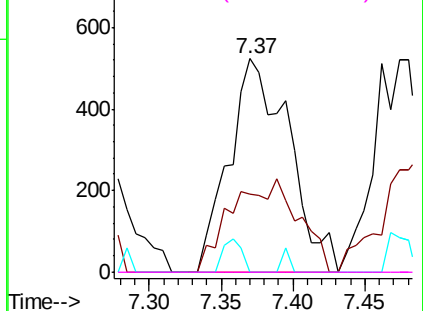
#41
Methacrylonitrile
Concen: 1.409 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	1516
Ion	Ratio	Lower	Upper
41	100		
39	49.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

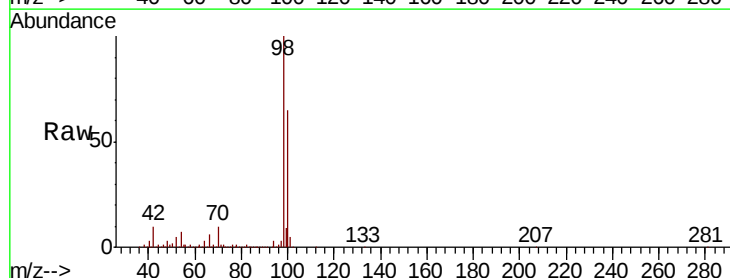


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

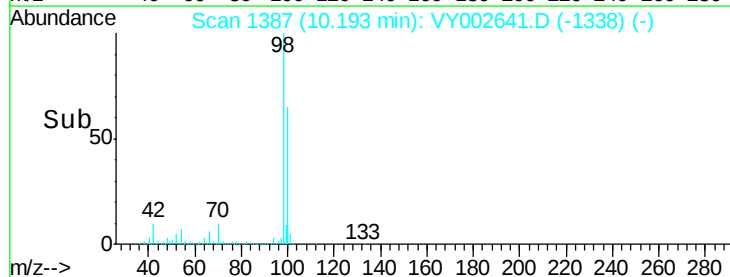
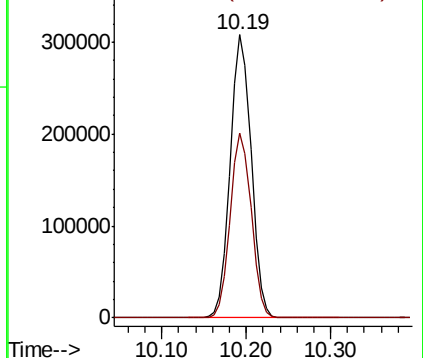


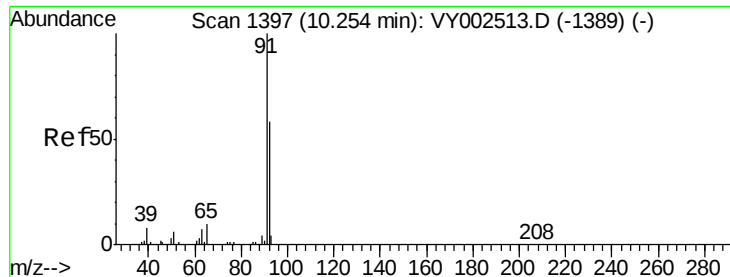
#50
Toluene-d8
Concen: 49.741 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

Tgt Ion:	98	Resp:	516107
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#52

Toluene

Concen: 2.317 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002641.D

Acq: 08 May 2020 14:37

Instrument :

MSVOA_Y

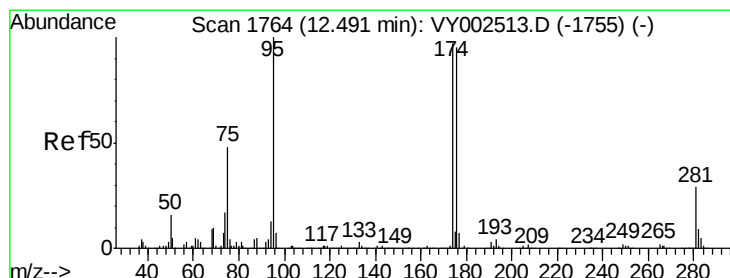
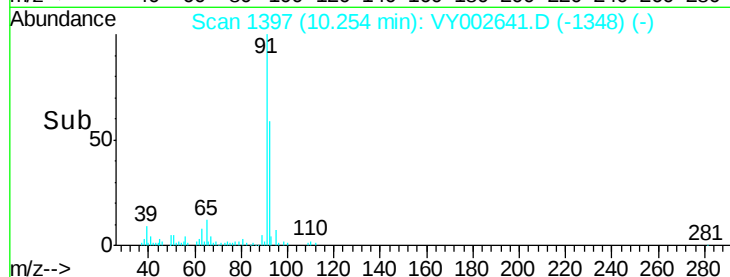
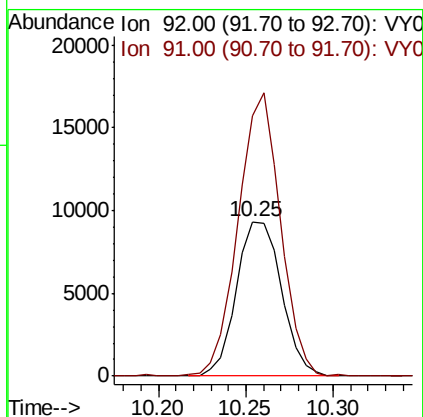
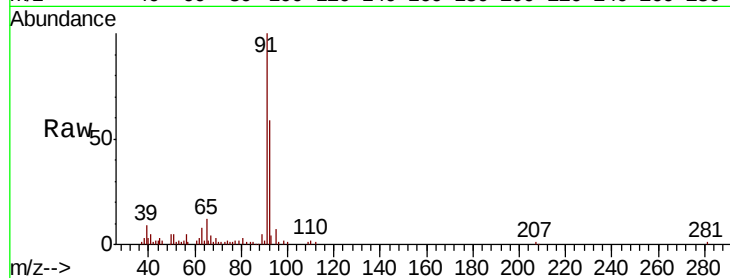
ClientSampleId :

Tot Ion: 92 Resp: 16751

Ion Ratio Lower Upper

92 100

91 171.6 139.3 208.9



#62

4-Bromofluorobenzene

Concen: 37.391 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002641.D

Acq: 08 May 2020 14:37

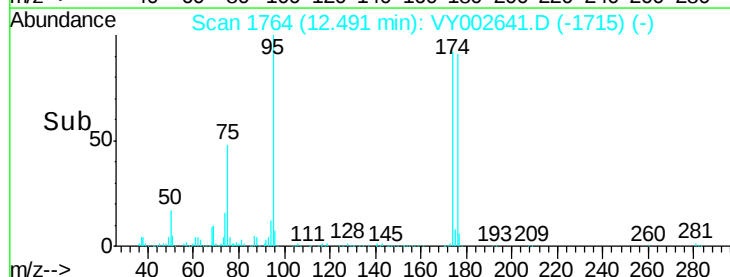
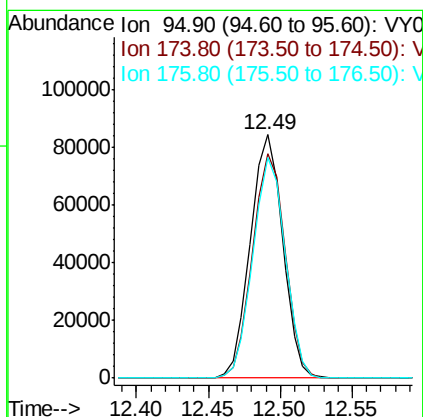
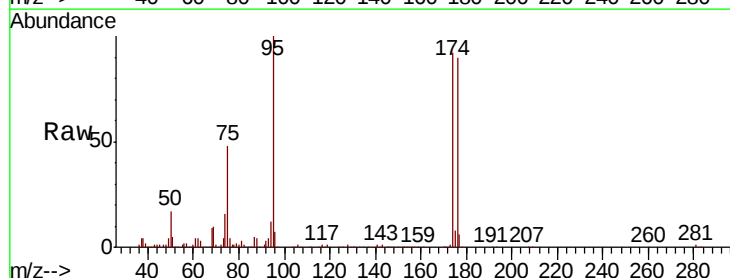
Tgt Ion: 95 Resp: 131644

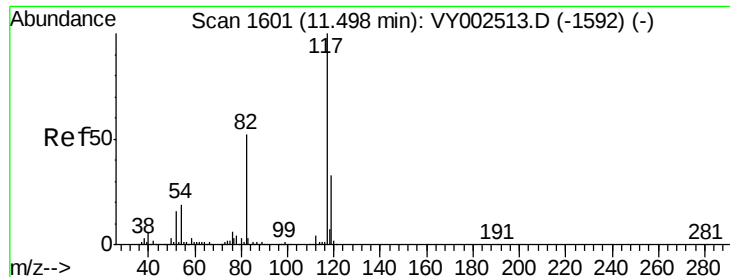
Ion Ratio Lower Upper

95 100

174 92.9 0.0 188.8

176 90.1 0.0 183.2

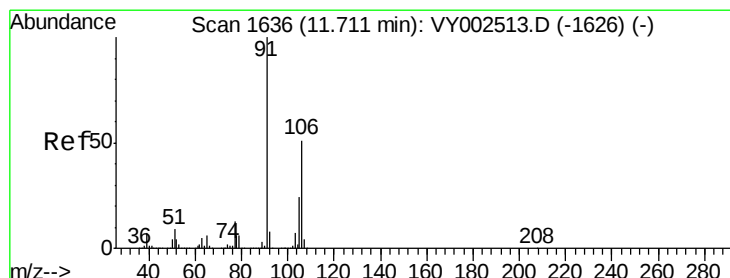
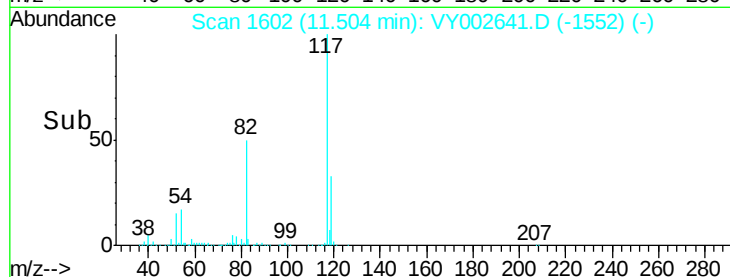
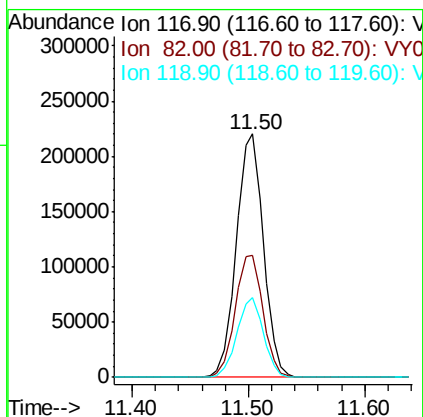
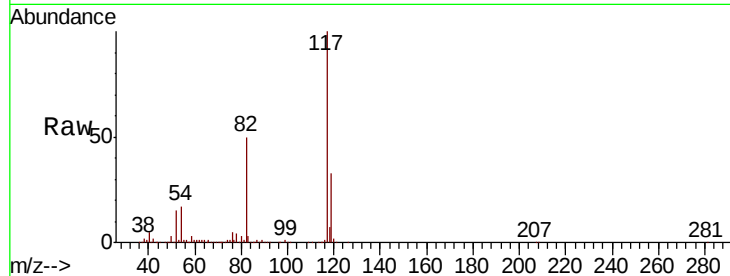




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

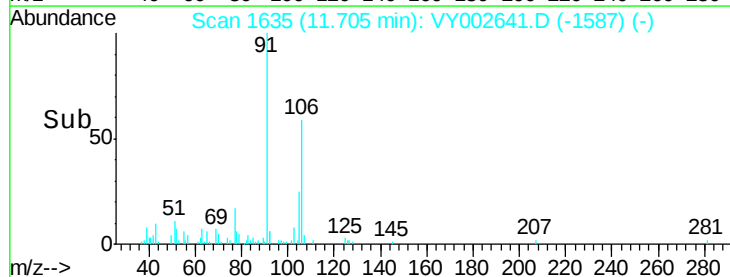
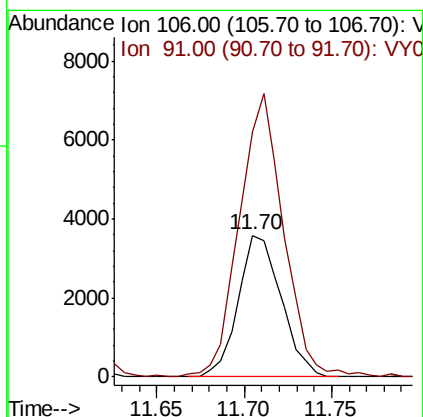
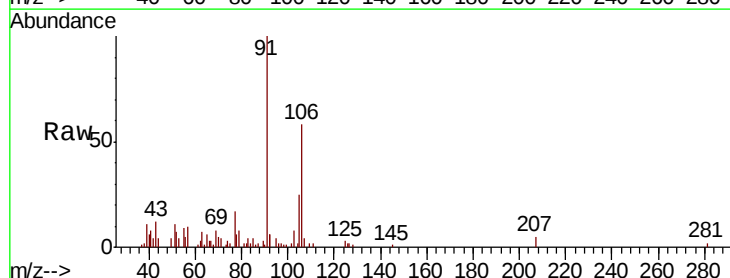
Instrument :
MSVOA_Y
ClientSampleId :

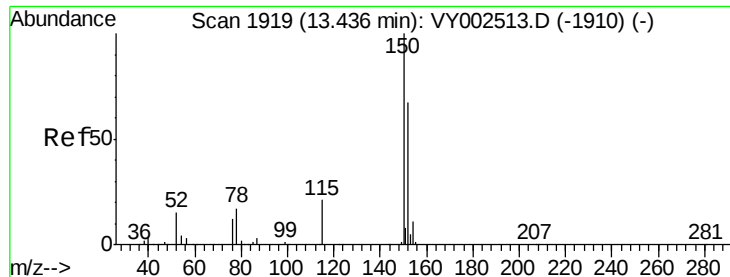
Tot Ion:117 Resp: 356569
Ion Ratio Lower Upper
117 100
82 50.3 41.3 61.9
119 32.6 26.0 39.0



#68
m/p-Xylenes
Concen: 1.331 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002641.D
Acq: 08 May 2020 14:37

Tgt Ion:106 Resp: 6131
Ion Ratio Lower Upper
106 100
91 206.0 155.2 232.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002641.D

Acq: 08 May 2020 14:37

Instrument :

MSVOA_Y

ClientSampleId :

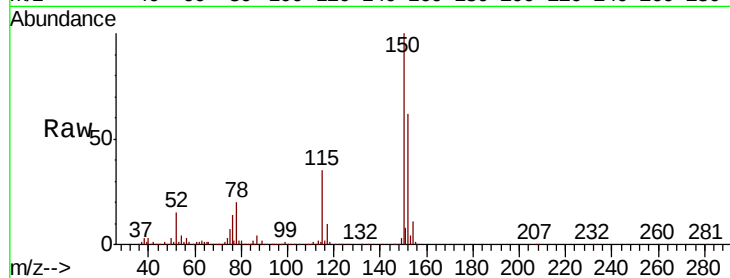
Tot Ion:152 Resp: 119463

Ion Ratio Lower Upper

152 100

115 54.7 27.5 82.4

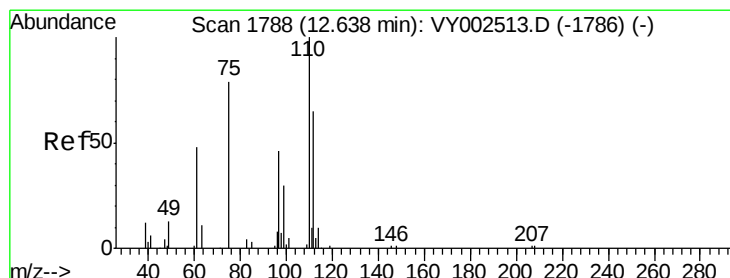
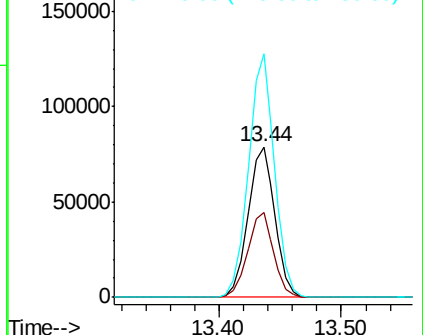
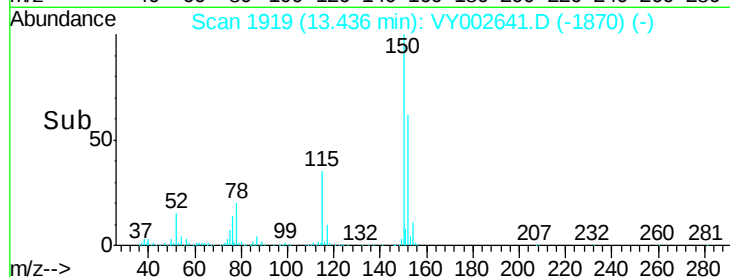
150 157.1 0.0 346.4



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: 58.622 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002641.D

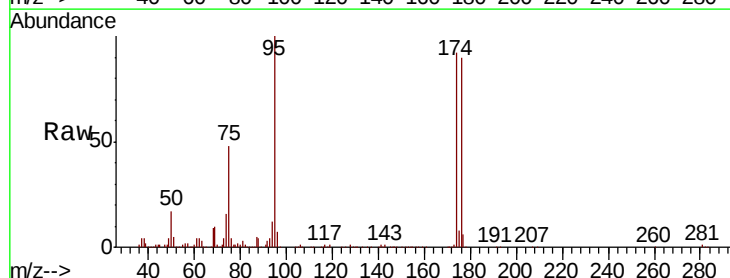
Acq: 08 May 2020 14:37

Tgt Ion: 75 Resp: 62235

Ion Ratio Lower Upper

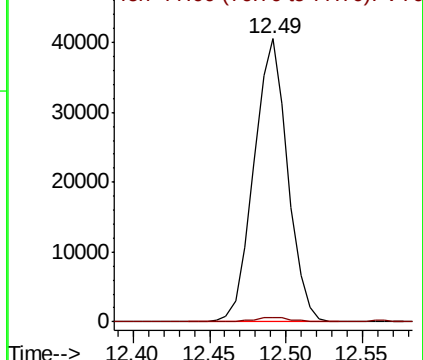
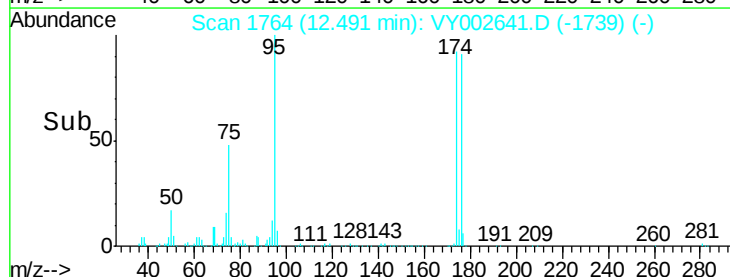
75 100

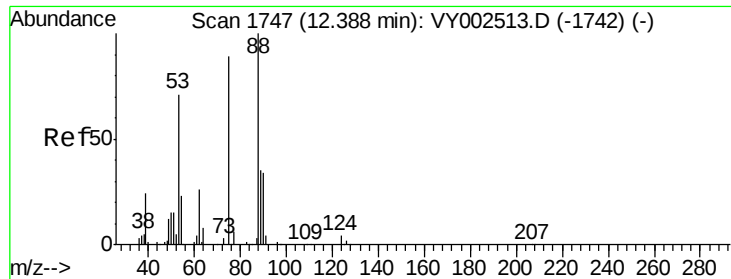
77 2.1 0.0 0.0#



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: 117.549 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002641.D

Acq: 08 May 2020 14:37

Instrument :

MSVOA_Y

ClientSampleId :

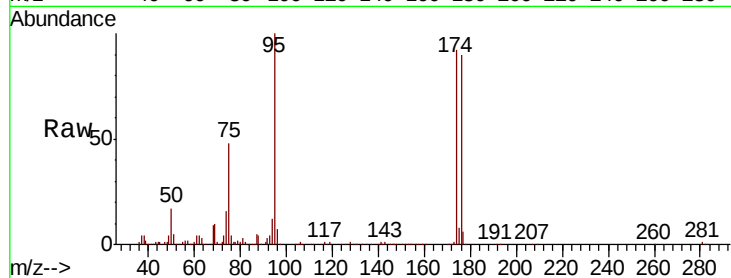
Tot Ion: 75 Resp: 62235

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

