

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002644.D
 Acq On : 08 May 2020 15:44
 Operator : SY/MD
 Sample : L2557-01RE
 Misc : 6.18G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 03:47:30 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	7.81	168	350836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	542868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	458688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	193200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	149351	50.63	ug/l	0.00
Spiked Amount						
			Recovery	=	101.26%	
35) Dibromofluoromethane	7.74	113	160037	51.55	ug/l	0.00
Spiked Amount						
			Recovery	=	103.10%	
50) Toluene-d8	10.19	98	624644	51.52	ug/l	0.00
Spiked Amount						
			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.49	95	181835	44.20	ug/l	0.00
Spiked Amount						
			Recovery	=	88.40%	

Target Compounds

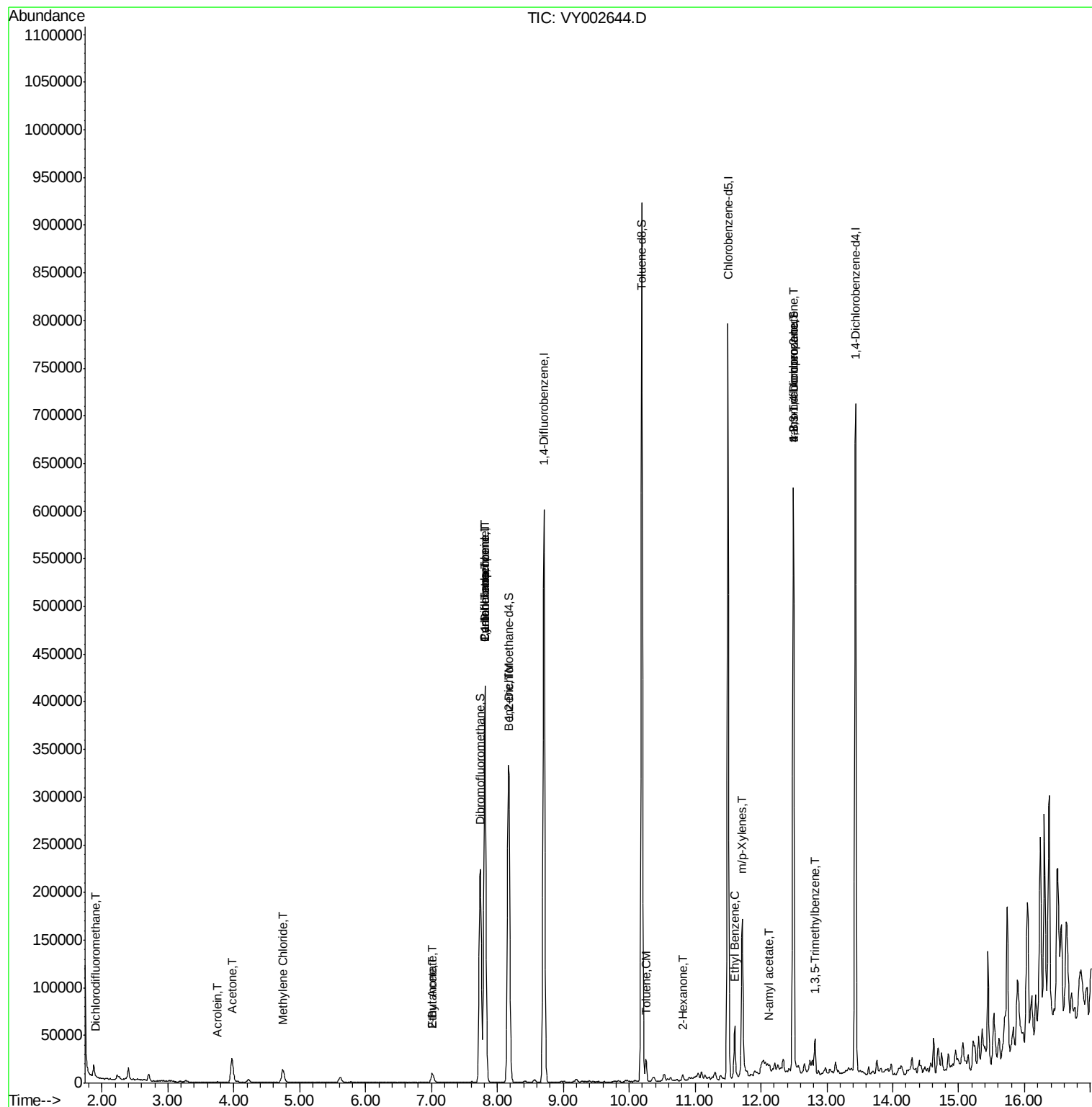
						Qvalue
2) Dichlorodifluoromethane	1.91	85	81	1.811	ug/l #	43
13) Acrolein	3.75	56	504	2.402	ug/l	96
16) Acetone	3.97	43	44972	73.871	ug/l	99
20) Methylene Chloride	4.74	84	10256	3.013	ug/l #	90
25) 2-Butanone	7.01	43	15485	15.538	ug/l	94
31) Cyclohexane	7.82	56	5665	1.068	ug/l #	3
36) 1,1-Dichloropropene	7.81	75	21746	4.778	ug/l #	49
37) Ethyl Acetate	7.01	43	15485	6.621	ug/l #	68
38) Carbon Tetrachloride	7.81	117	30763	6.192	ug/l #	15
40) Benzene	8.18	78	215230	16.375	ug/l	99
52) Toluene	10.25	92	9138	1.082	ug/l	95
59) 2-Hexanone	10.81	43	3924	2.523	ug/l #	22
67) Ethyl Benzene	11.60	91	35532	2.320	ug/l	100
68) m/p-Xylenes	11.72	106	45883	7.742	ug/l	97
74) N-amyl acetate	12.12	43	3574	1.187	ug/l #	41
76) 1,2,3-Trichloropropane	12.49	75	87492	50.959	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.82	105	10865	1.047	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.49	75	87492	102.183	ug/l #	16

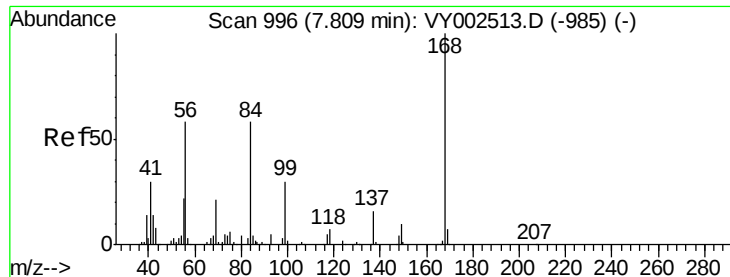
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
Data File : VY002644.D
Acq On : 08 May 2020 15:44
Operator : SY/MD
Sample : L2557-01RE
Misc : 6.18G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 09 03:47:30 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: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

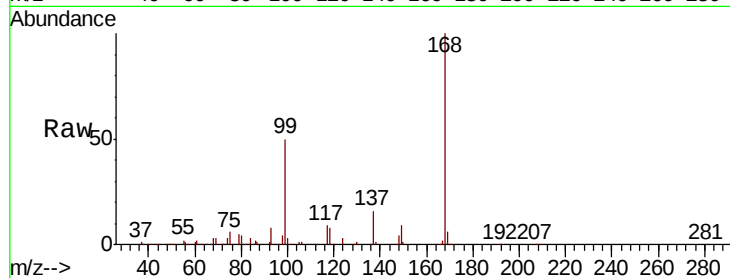
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 350836

Ion Ratio Lower Upper

168 100

99 49.7 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) (-)

7.81

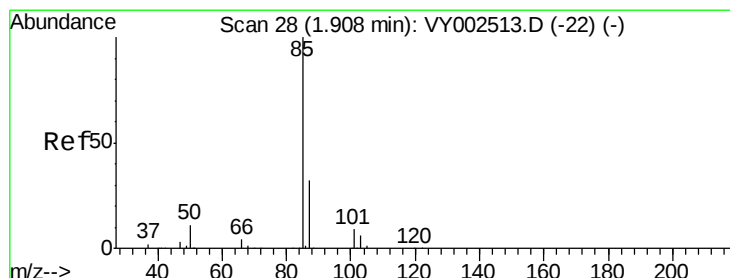
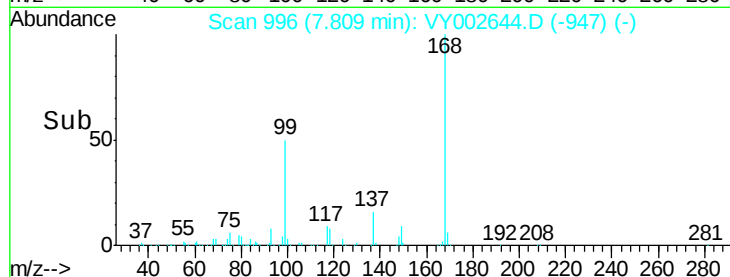
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.811 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002644.D

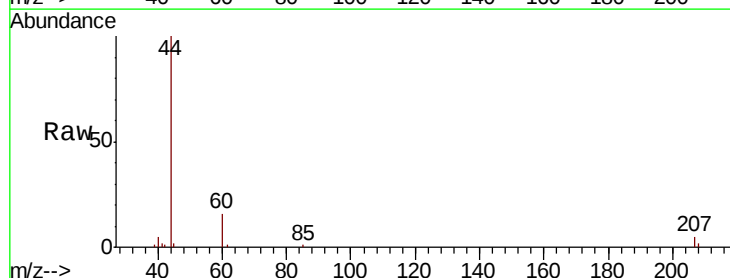
Acq: 08 May 2020 15:44

Tgt Ion: 85 Resp: 81

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) (-)

1.91

80

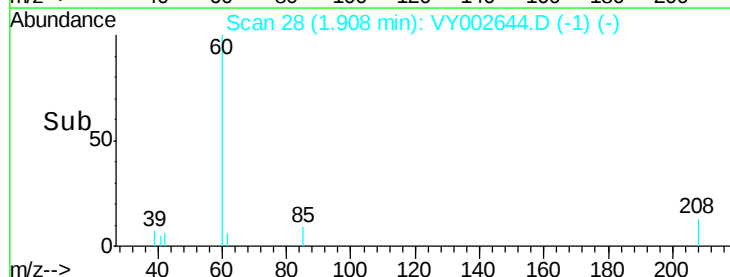
60

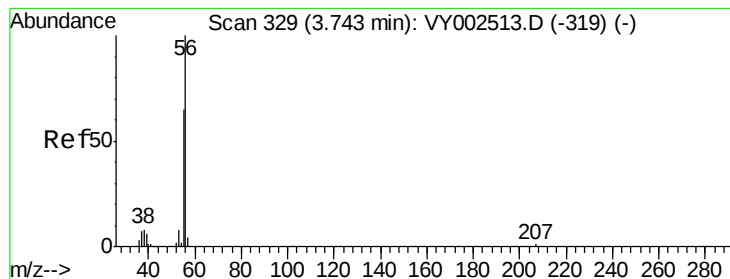
40

20

0

Time-->





#13

Acrolein

Concen: 2.402 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

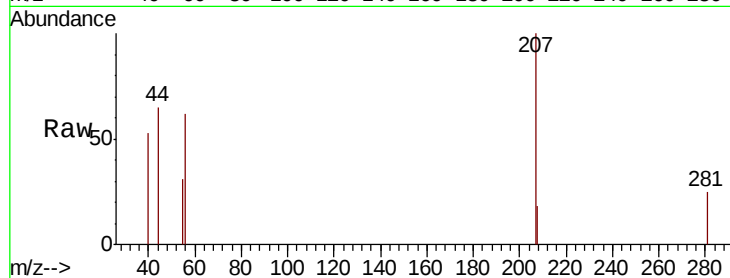
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 504

Ion Ratio Lower Upper

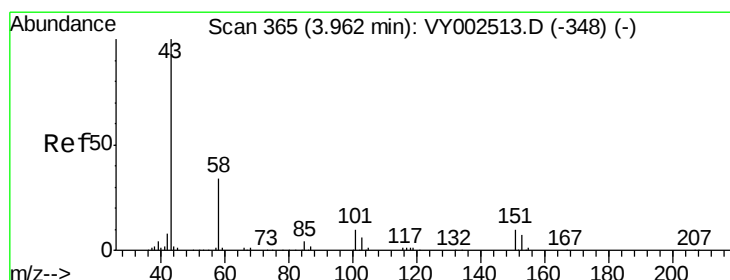
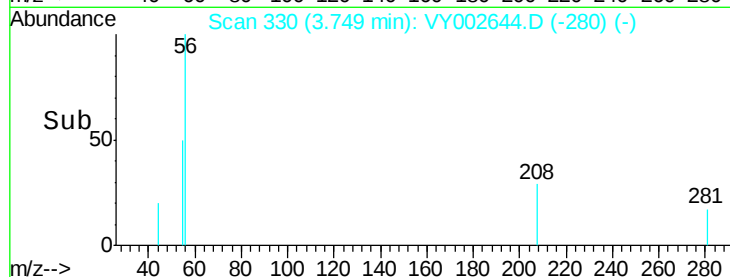
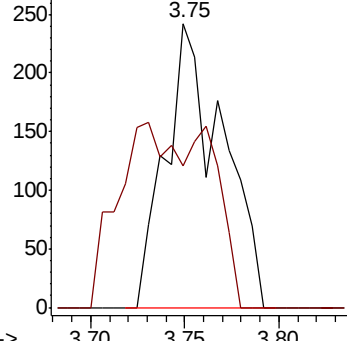
56 100

55 70.2 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 73.871 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002644.D

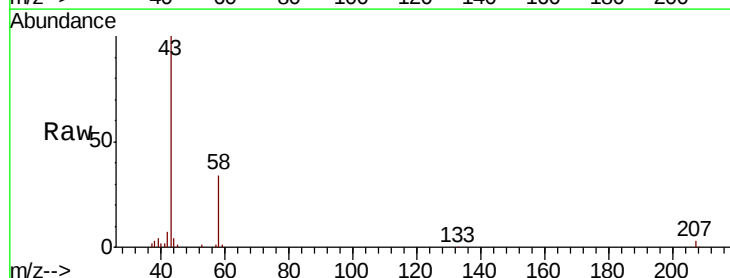
Acq: 08 May 2020 15:44

Tgt Ion: 43 Resp: 44972

Ion Ratio Lower Upper

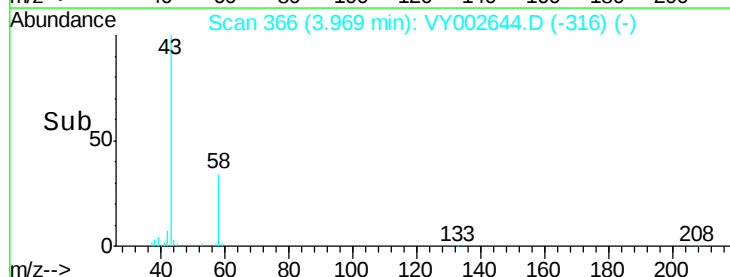
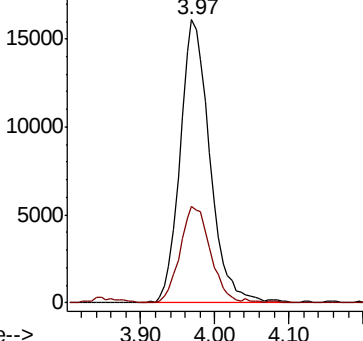
43 100

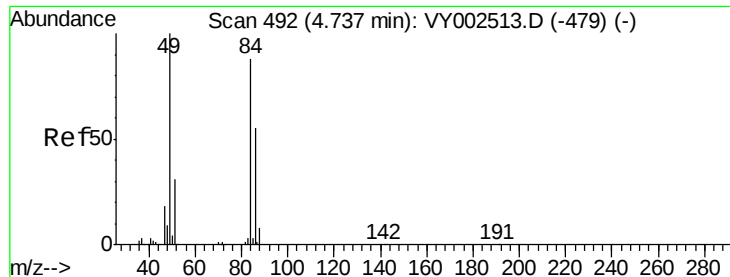
58 34.1 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

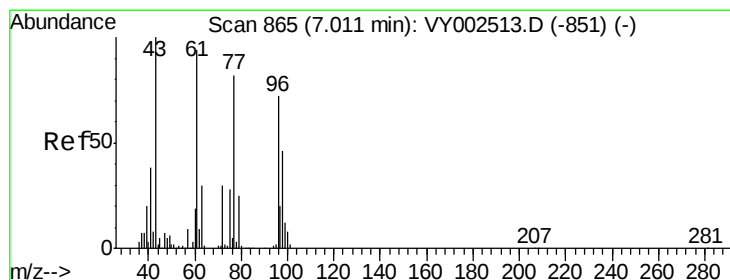
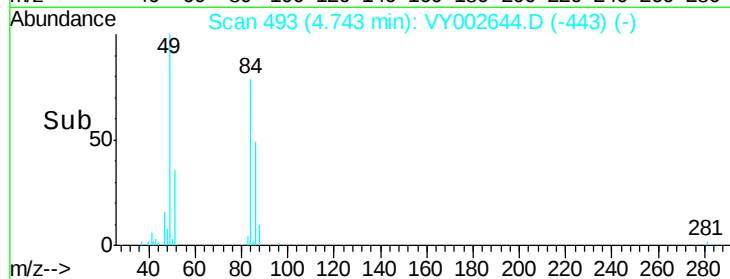
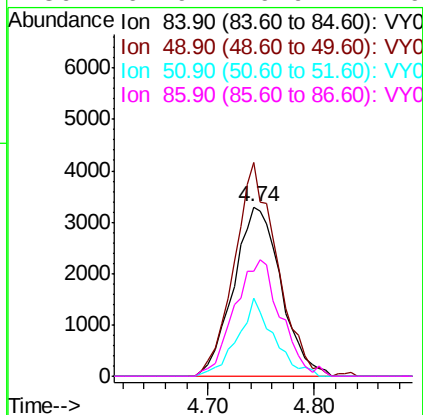
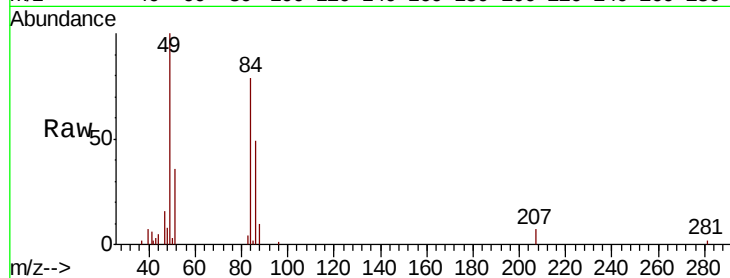




#20
Methvlene Chloride
Concen: 3.013 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

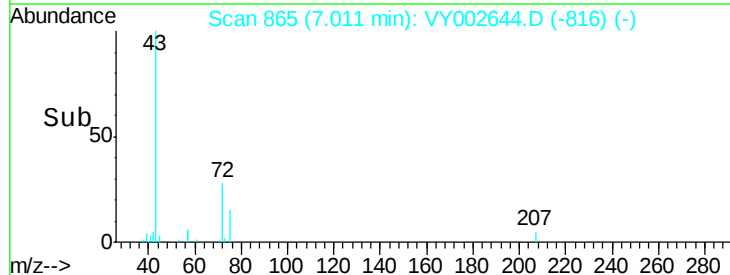
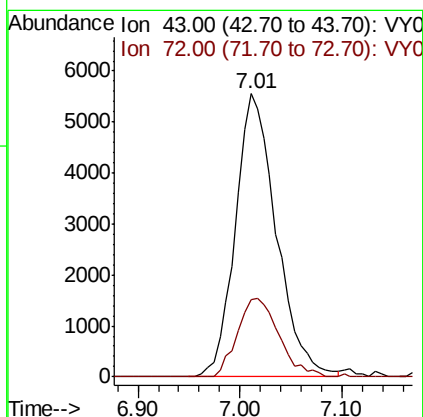
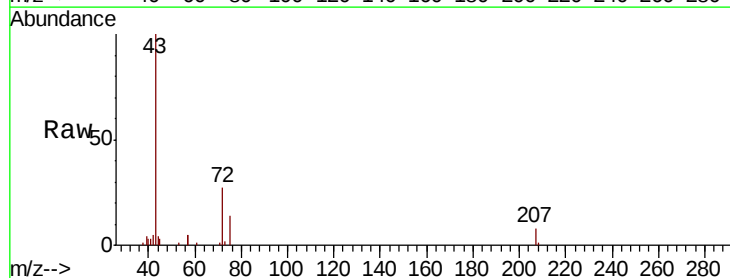
Instrument :
MSVOA_Y
ClientSampleId :

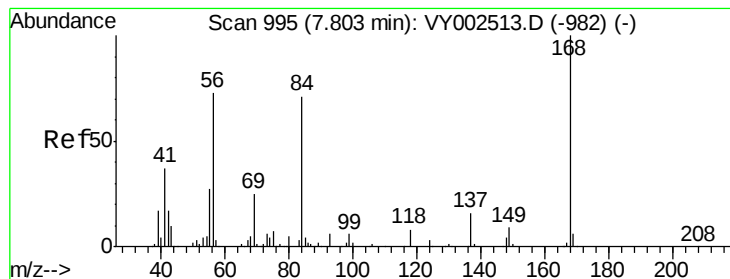
Tot Ion: 84 Resp: 10256
Ion Ratio Lower Upper
84 100
49 126.1 90.5 135.7
51 45.9 28.3 42.5#
86 61.9 49.9 74.9



#25
2-Butanone
Concen: 15.538 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.00 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

Tgt Ion: 43 Resp: 15485
Ion Ratio Lower Upper
43 100
72 27.1 24.1 36.1





#31

Cyclohexane

Concen: 1.068 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

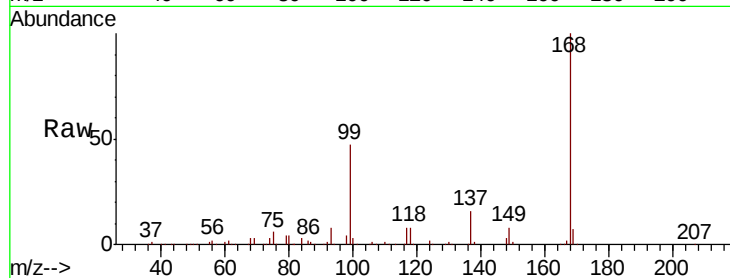
Tot Ion: 56 Resp: 5665

Ion Ratio Lower Upper

56 100

69 147.8 27.6 41.4#

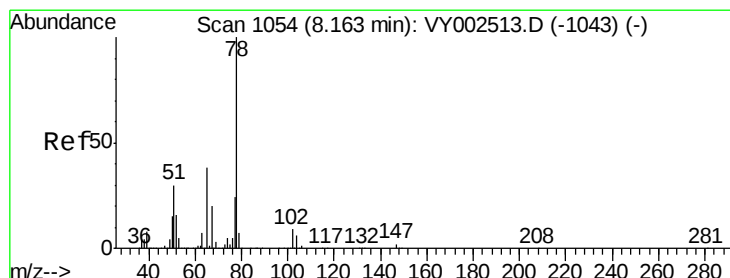
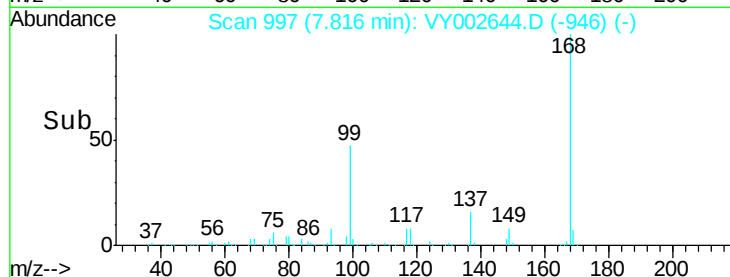
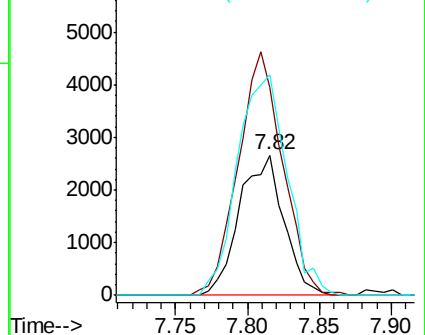
84 157.3 77.7 116.5#



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: 50.629 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002644.D

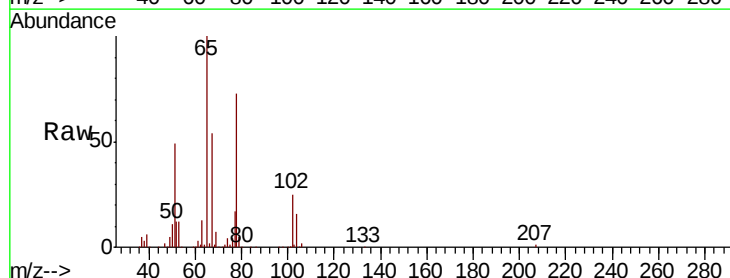
Acq: 08 May 2020 15:44

Tgt Ion: 65 Resp: 149351

Ion Ratio Lower Upper

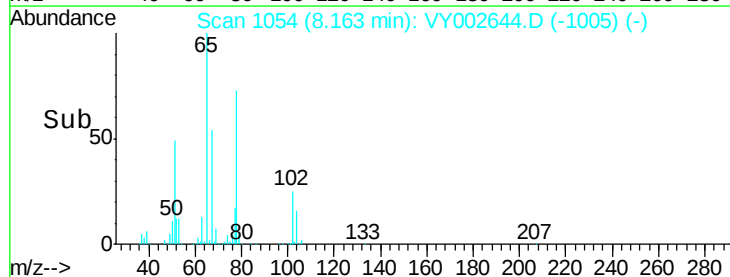
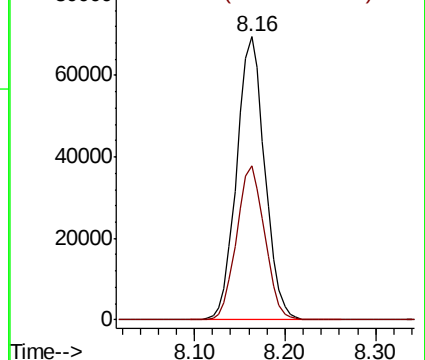
65 100

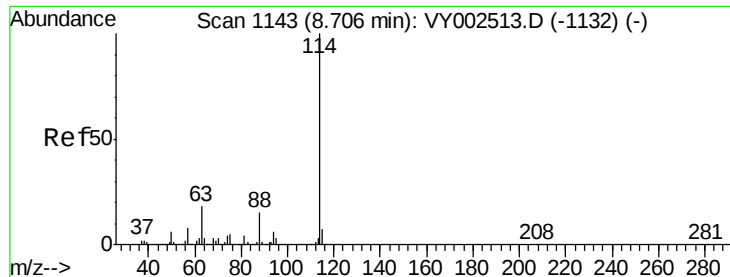
67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

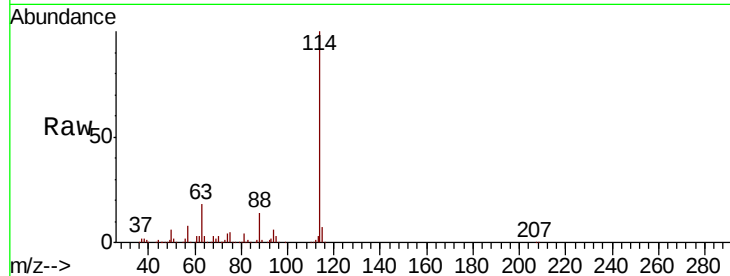




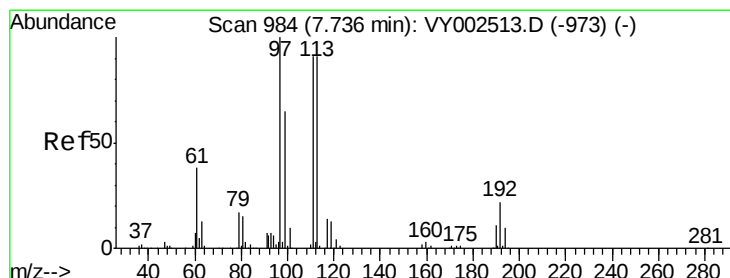
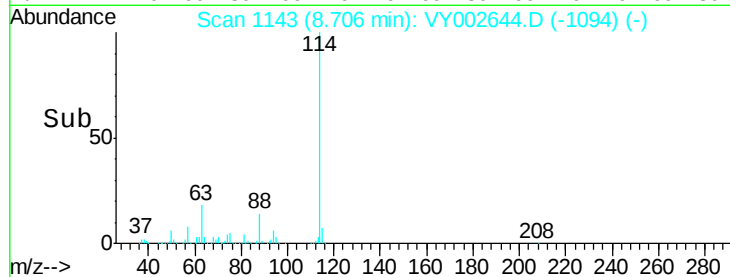
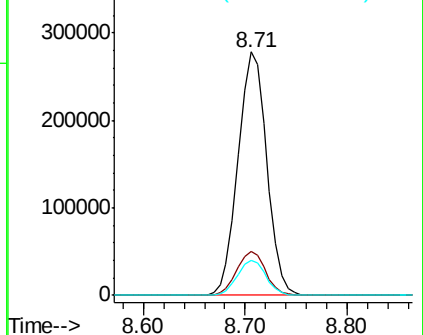
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002644.D
 Acq: 08 May 2020 15:44

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:	114	Resp:	542868
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.4
88	14.2	0.0	29.6

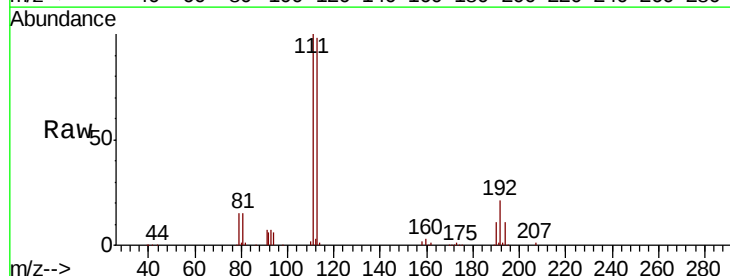


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

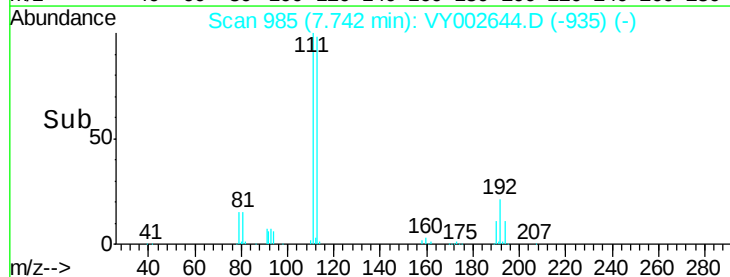
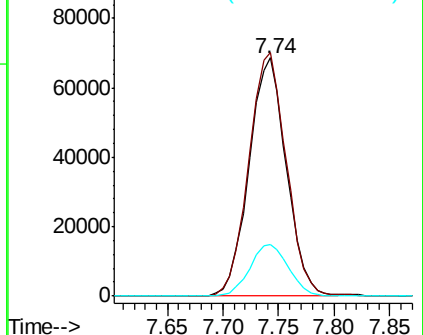


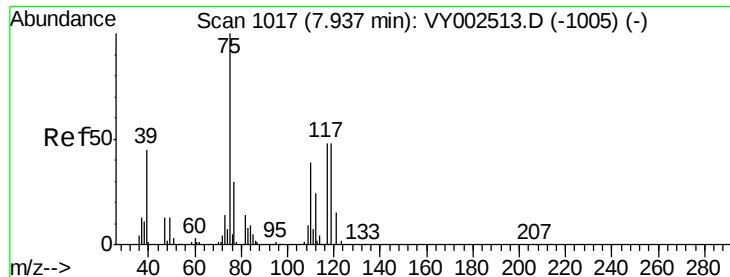
#35
 Dibromofluoromethane
 Concen: 51.547 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002644.D
 Acq: 08 May 2020 15:44

Tgt Ion:	113	Resp:	160037
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	22.5	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

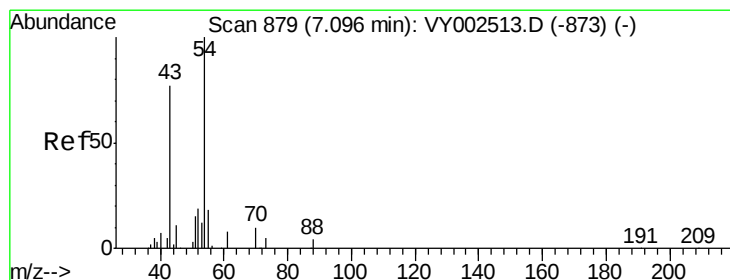
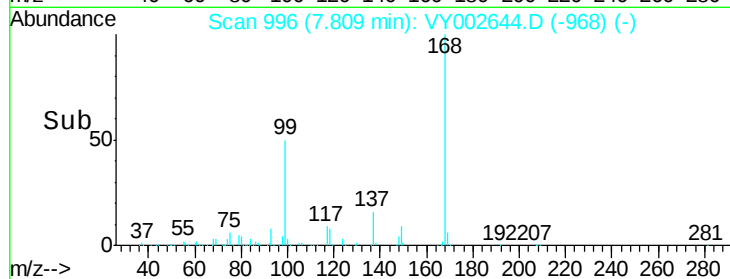
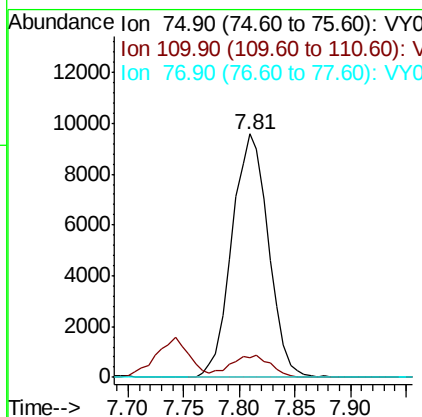
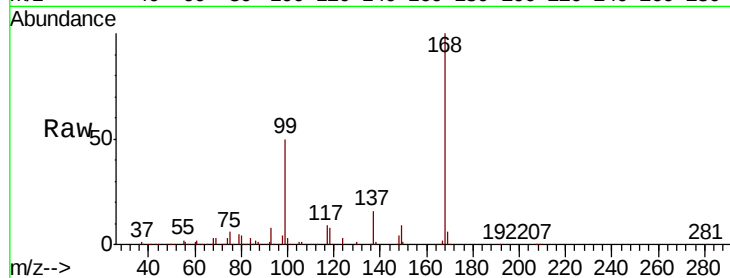




#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002644.D
 Acq: 08 May 2020 15:44

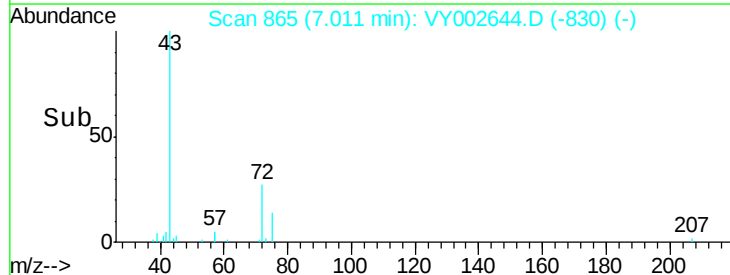
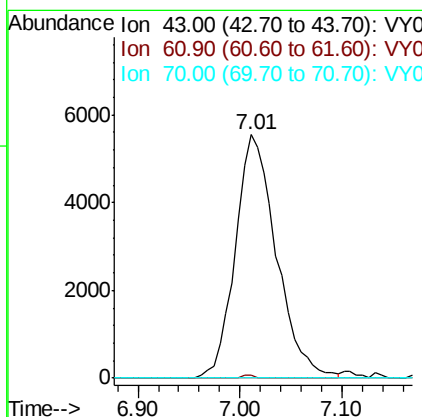
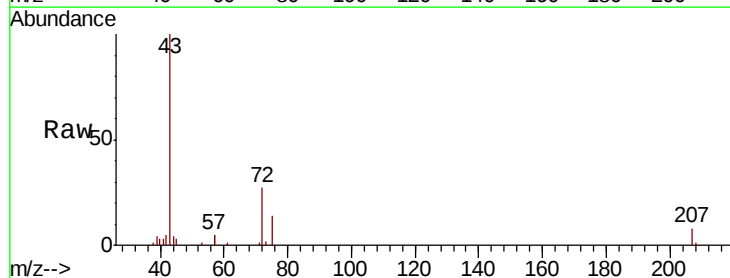
Instrument :
 MSVOA_Y
 ClientSampleId :

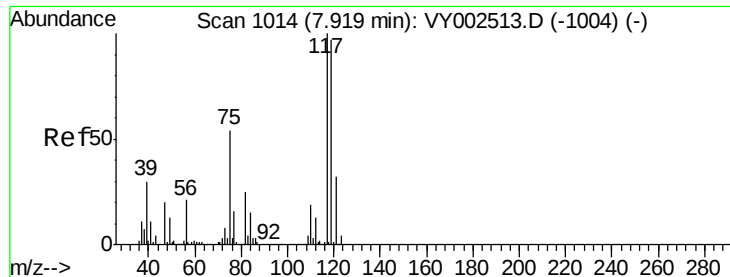
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.1	57.3#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 6.621 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.09 min
 Lab File: VY002644.D
 Acq: 08 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.3	11.6	17.4#
70	0.0	9.0	13.6#

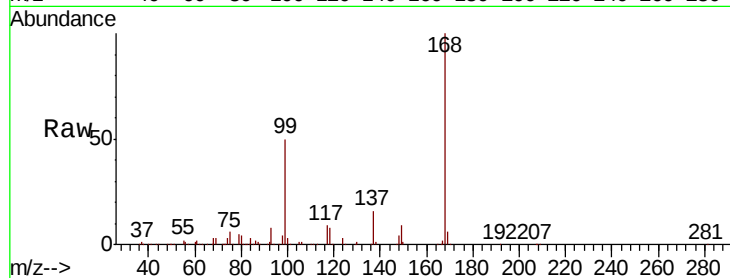




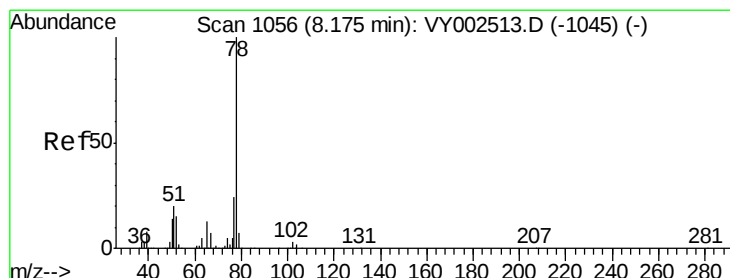
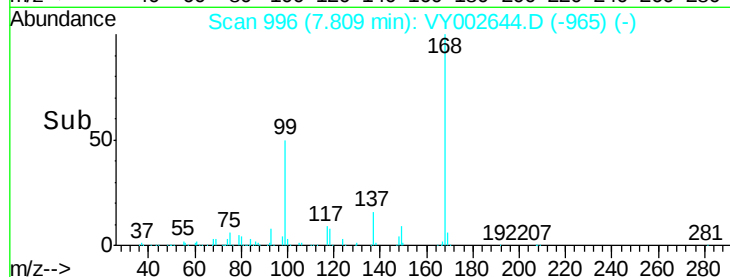
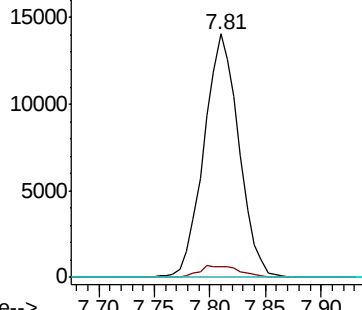
#38
Carbon Tetrachloride
Concen: 6.192 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.11 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 30763
Ion Ratio Lower Upper
117 100
119 4.1 77.1 115.7#
121 0.0 25.2 37.8#

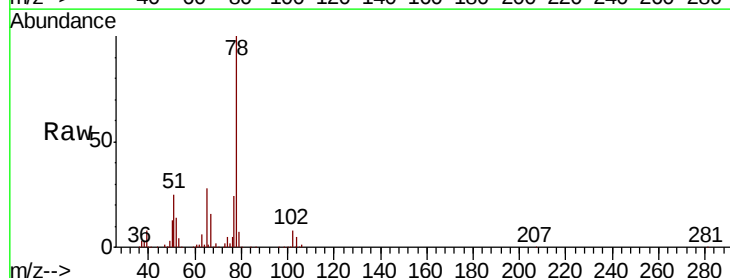


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

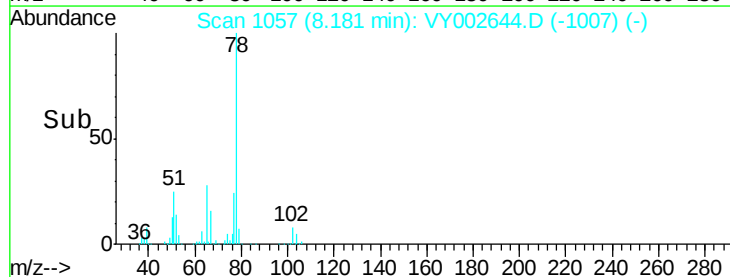
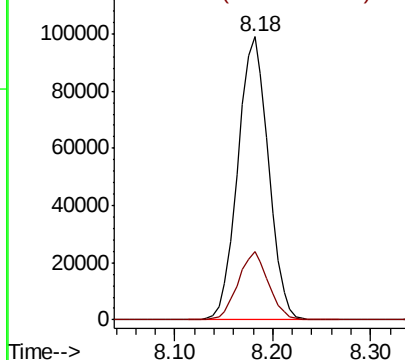


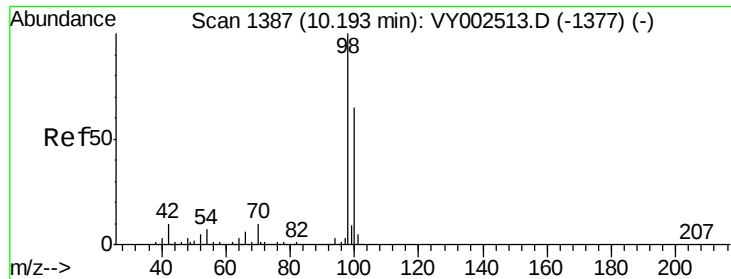
#40
Benzene
Concen: 16.375 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

Tgt Ion: 78 Resp: 215230
Ion Ratio Lower Upper
78 100
77 24.3 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#50

Toluene-d8

Concen: 51.520 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

Instrument :

MSVOA_Y

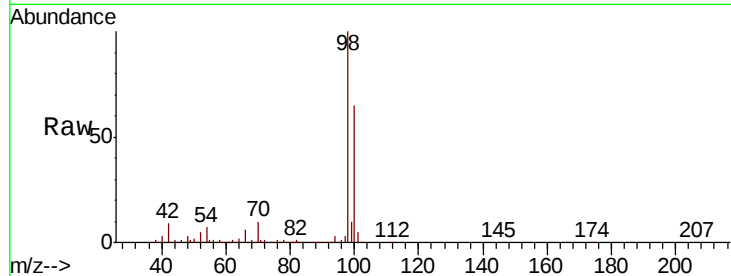
ClientSampleId :

Tot Ion: 98 Resp: 624644

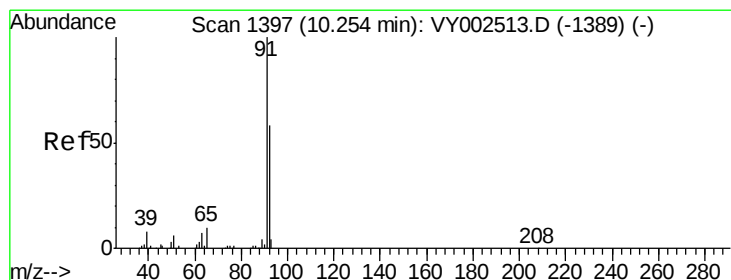
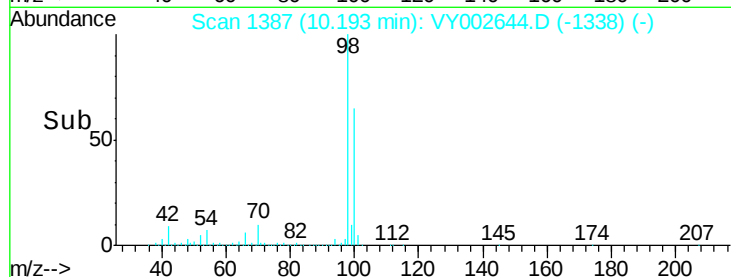
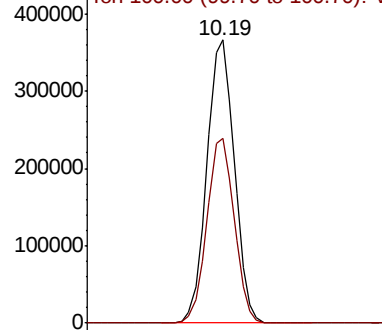
Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002644.D (-1377) (-)



#52

Toluene

Concen: 1.082 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002644.D

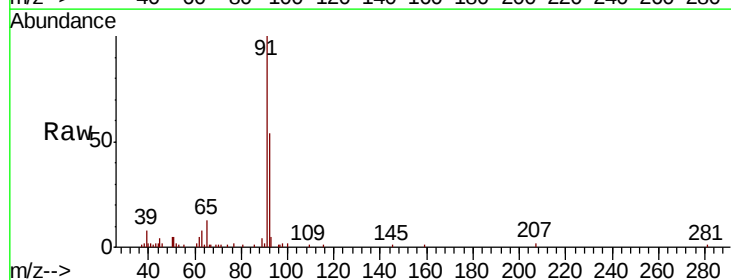
Acq: 08 May 2020 15:44

Tgt Ion: 92 Resp: 9138

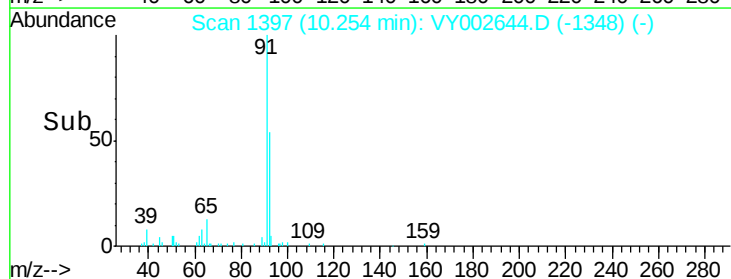
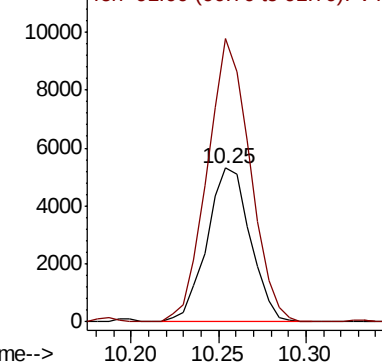
Ion Ratio Lower Upper

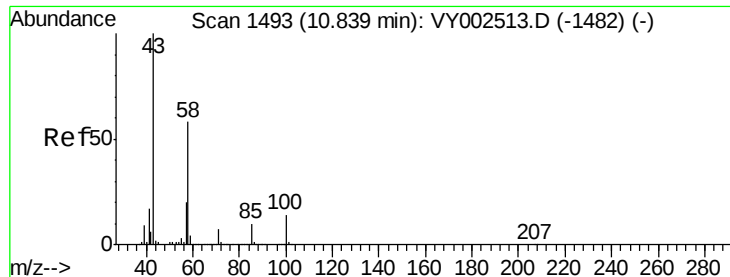
92 100

91 181.2 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY002644.D (-1389) (-)

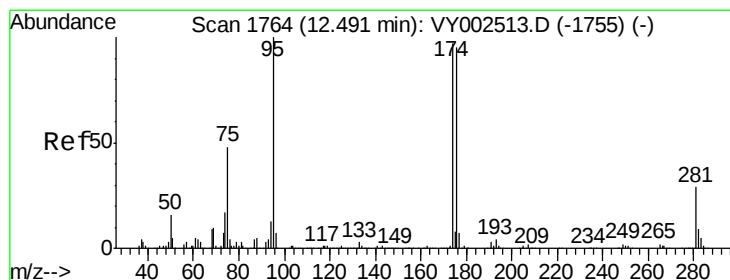
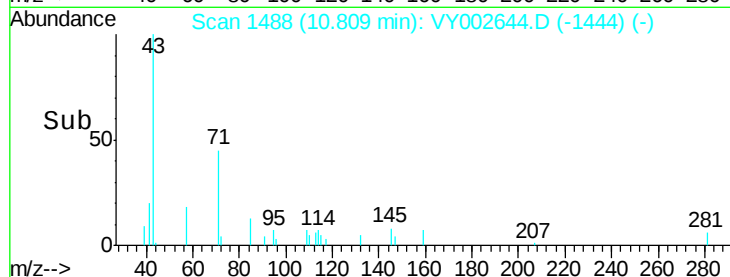
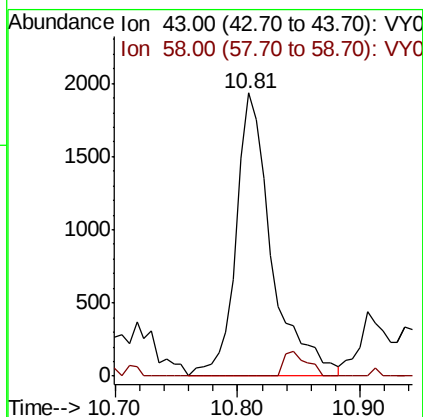
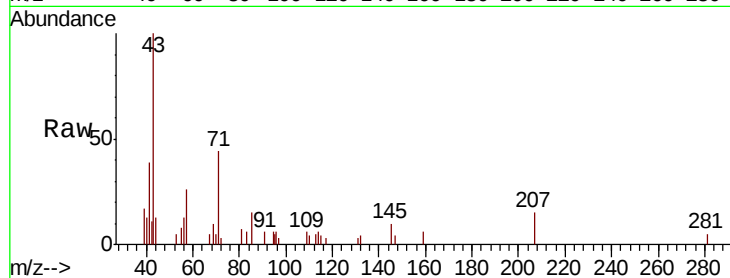




#59
2-Hexanone
Concen: 2.523 ug/l
RT: 10.81 min Scan# 1488
Delta R.T. -0.03 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

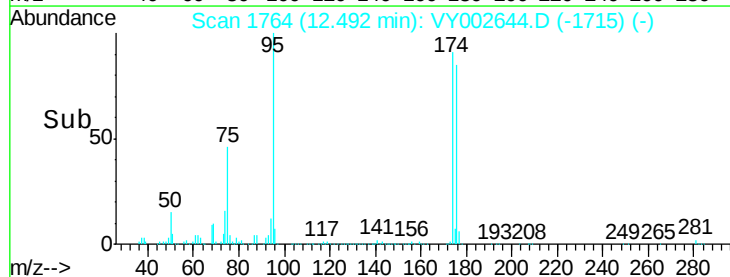
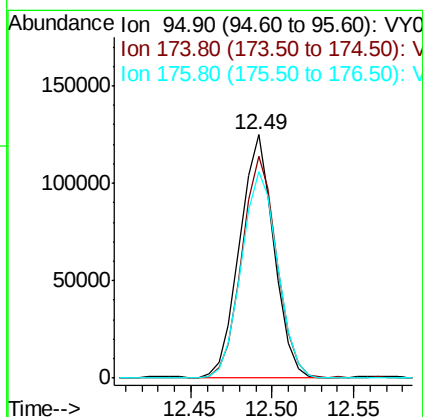
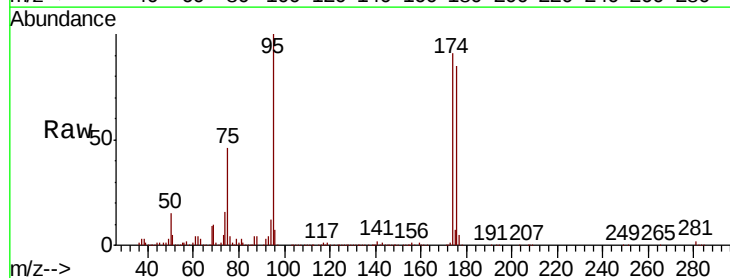
Instrument :
MSVOA_Y
ClientSampleId :

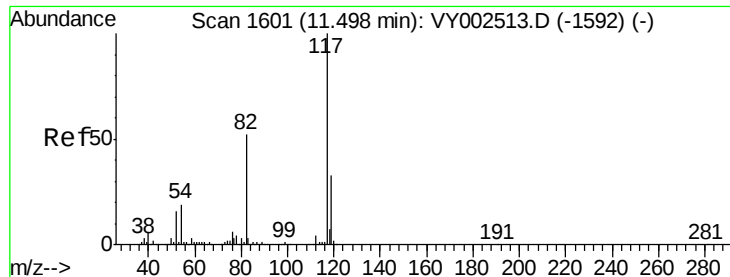
Tot Ion: 43 Resp: 3924
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.3#



#62
4-Bromofluorobenzene
Concen: 44.199 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

Tgt Ion: 95 Resp: 181835
Ion Ratio Lower Upper
95 100
174 93.6 0.0 188.8
176 90.0 0.0 183.2

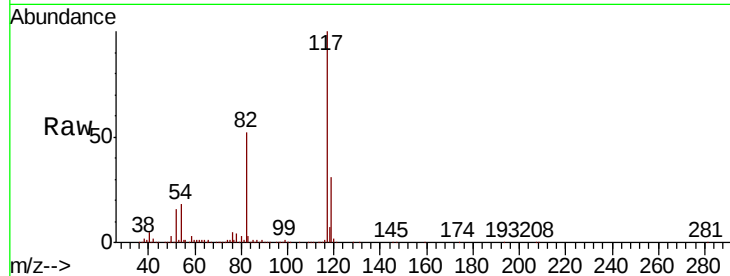




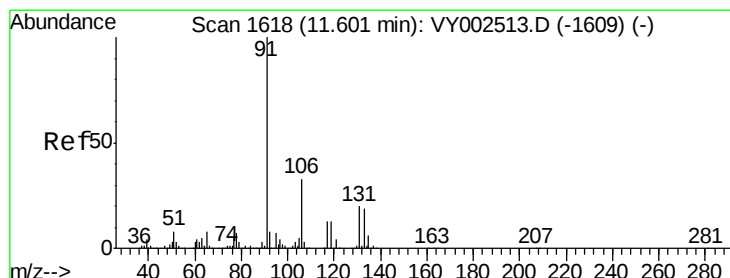
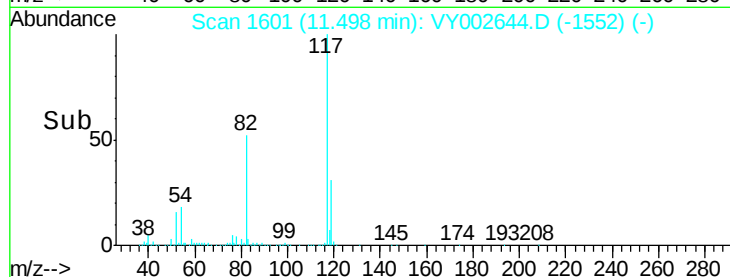
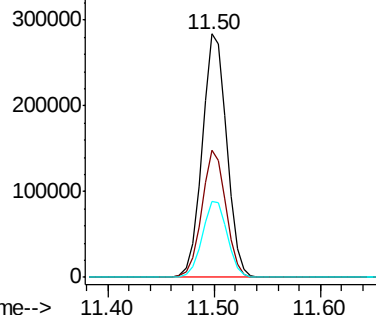
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 458688
Ion Ratio Lower Upper
117 100
82 52.0 41.3 61.9
119 31.3 26.0 39.0

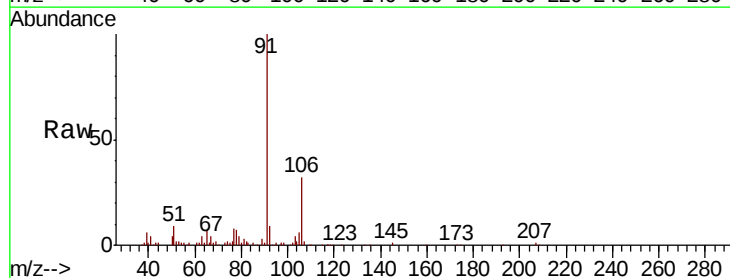


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

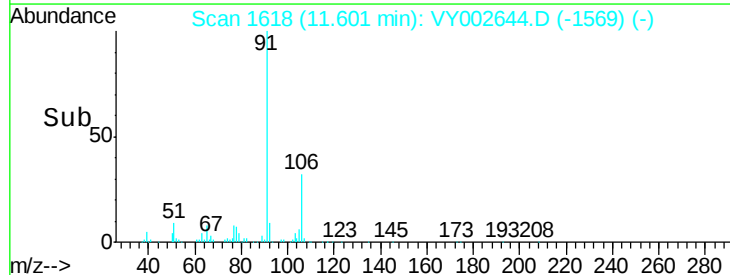
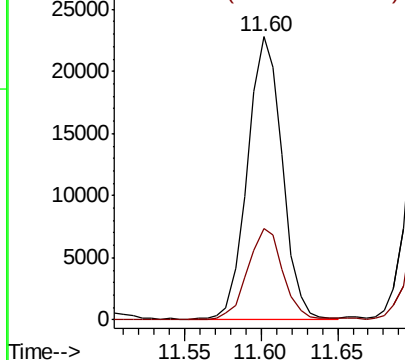


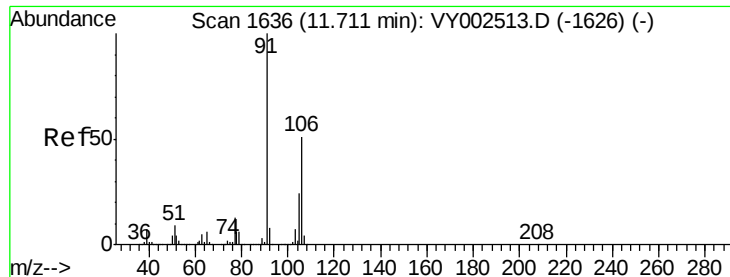
#67
Ethyl Benzene
Concen: 2.320 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002644.D
Acq: 08 May 2020 15:44

Tgt Ion: 91 Resp: 35532
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 7.742 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

Instrument :

MSVOA_Y

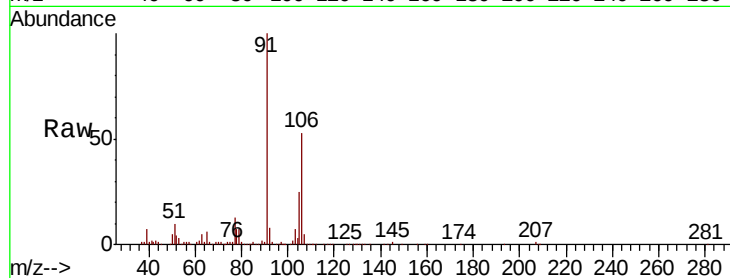
ClientSampleId :

Tot Ion:106 Resp: 45883

Ion Ratio Lower Upper

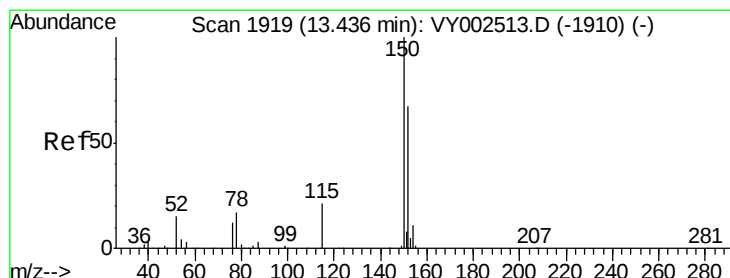
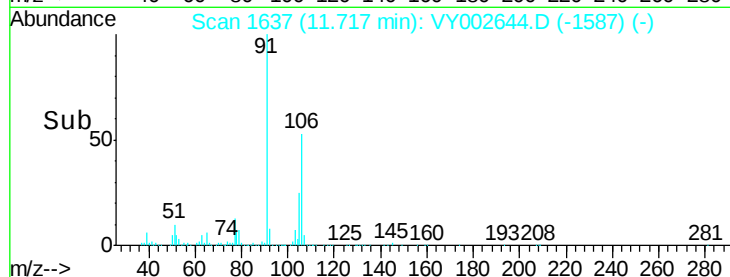
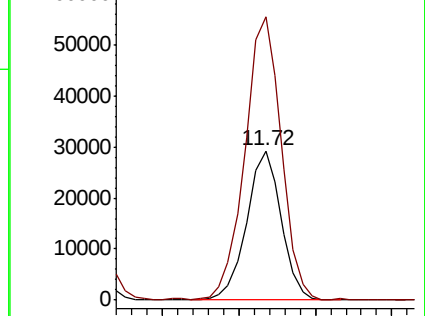
106 100

91 198.1 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

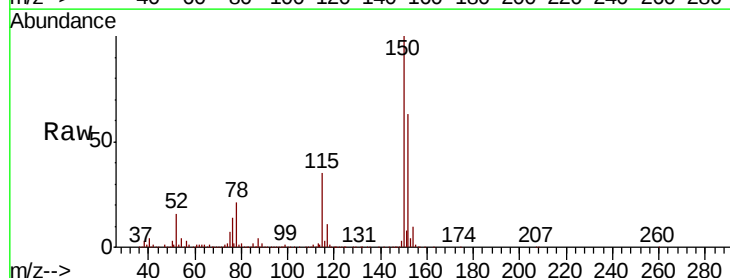
Tgt Ion:152 Resp: 193200

Ion Ratio Lower Upper

152 100

115 54.8 27.5 82.4

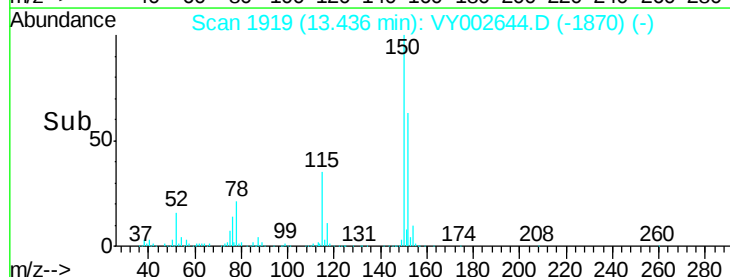
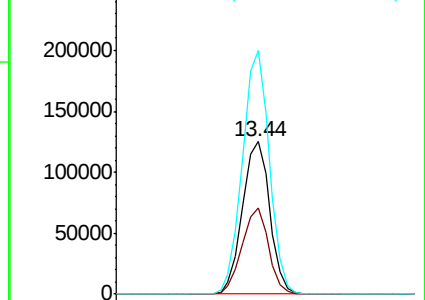
150 157.2 0.0 346.4

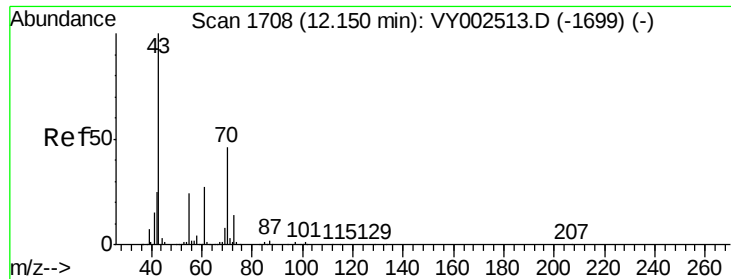


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.187 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.03 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 3574

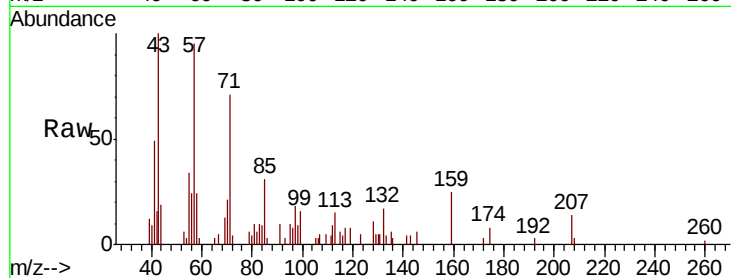
Ion Ratio Lower Upper

43 100

70 0.0 36.7 55.1#

55 0.0 19.2 28.8#

61 0.0 21.1 31.7#

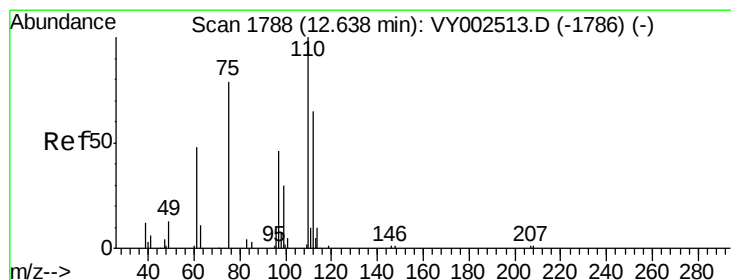
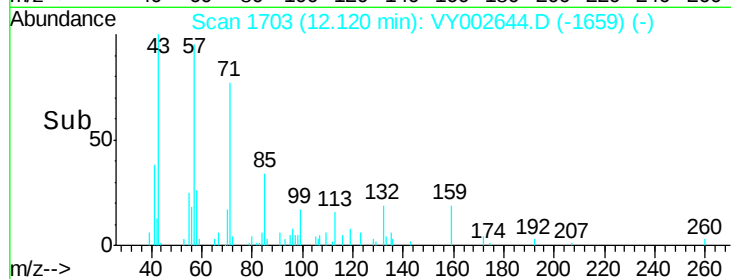
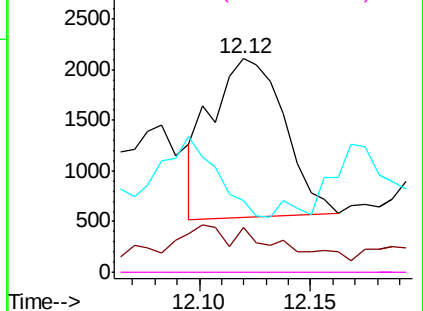


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 50.959 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002644.D

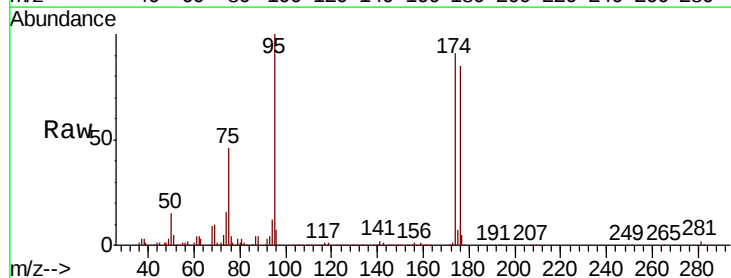
Acq: 08 May 2020 15:44

Tgt Ion: 75 Resp: 87492

Ion Ratio Lower Upper

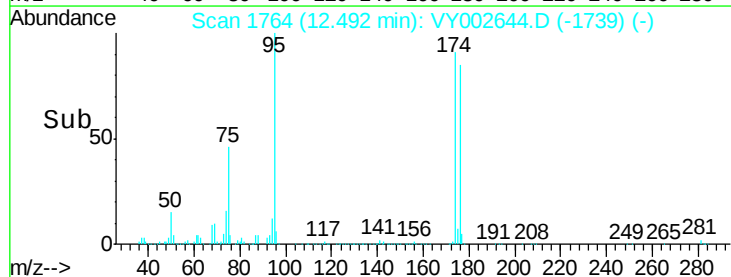
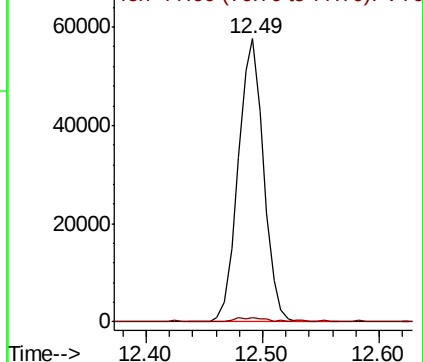
75 100

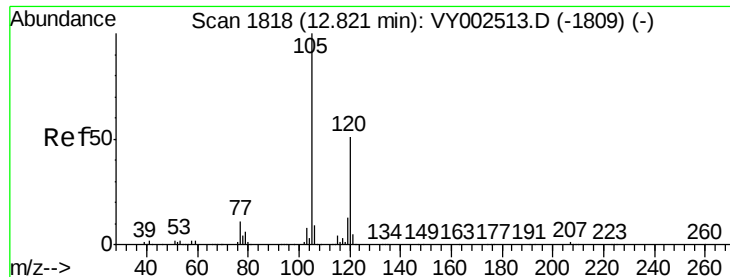
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#80

1,3,5-Trimethylbenzene

Concen: 1.047 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

Instrument :

MSVOA_Y

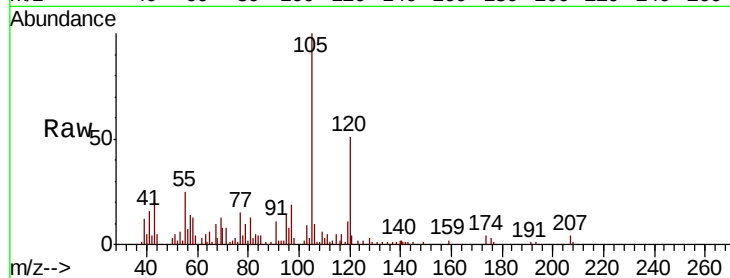
ClientSampled :

Tot Ion: 105 Resp: 10865

Ion Ratio Lower Upper

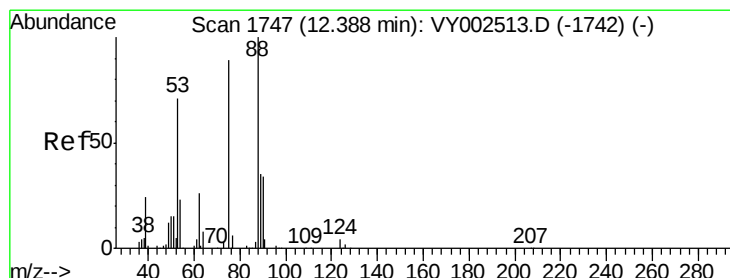
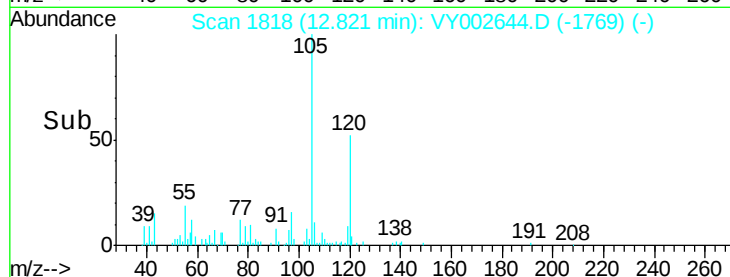
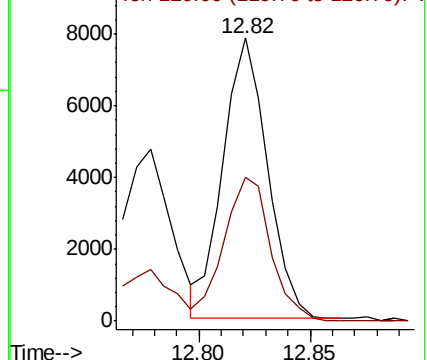
105 100

120 53.8 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 102.183 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002644.D

Acq: 08 May 2020 15:44

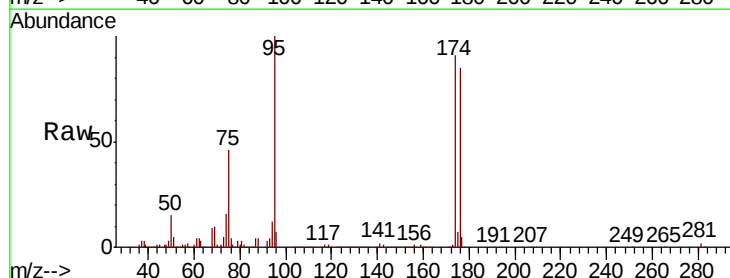
Tgt Ion: 75 Resp: 87492

Ion Ratio Lower Upper

75 100

53 0.3 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

