

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
 Data File : VY002926.D
 Acq On : 18 Jun 2020 17:59
 Operator : SY/MD
 Sample : L3034-01
 Misc : 7.18G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 19 05:07:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	213456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	346183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	323726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	141953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	107077	57.77	ug/l	0.00
Spiked Amount			Recovery	=	115.54%	
35) Dibromofluoromethane	7.73	113	88631	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
50) Toluene-d8	10.18	98	410776	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.48	95	127862	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

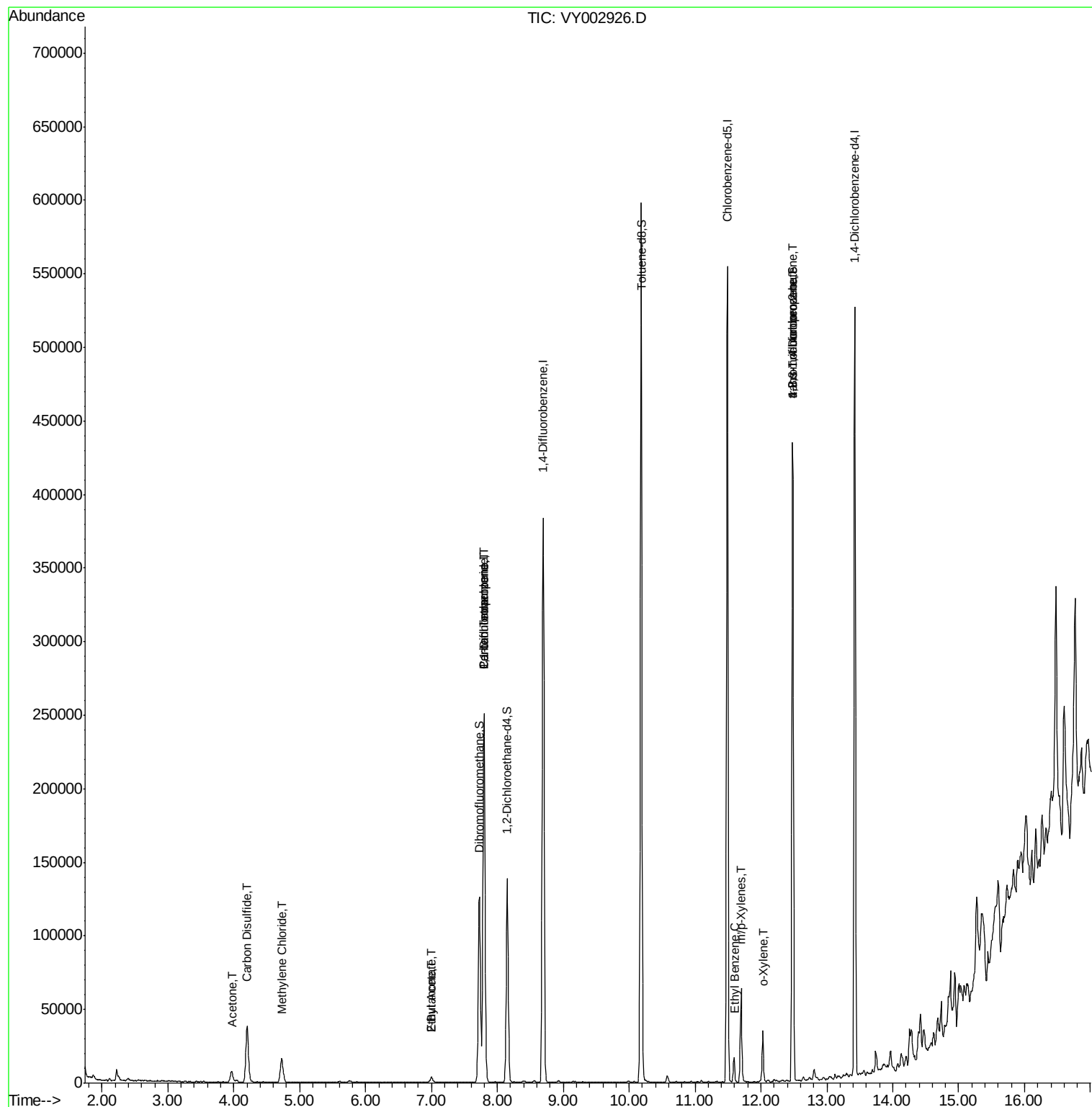
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	19	Below Cal	#	74
16) Acetone	3.97	43	13613	31.323	ug/l	100
17) Carbon Disulfide	4.20	76	81470	14.847	ug/l	97
18) Methyl Acetate	4.50	43	311	Below Cal	#	61
20) Methylene Chloride	4.72	84	13070	6.154	ug/l	97
25) 2-Butanone	7.00	43	3302	4.877	ug/l	92
36) 1,1-Dichloropropene	7.80	75	12738	4.368	ug/l #	49
37) Ethyl Acetate	7.00	43	3302	2.081	ug/l #	67
38) Carbon Tetrachloride	7.80	117	19167	5.917	ug/l #	16
67) Ethyl Benzene	11.60	91	12136	1.094	ug/l	98
68) m/p-Xylenes	11.70	106	19997	4.650	ug/l	98
69) o-Xylene	12.03	106	9568	2.357	ug/l	94
76) 1,2,3-Trichloropropane	12.48	75	62642	48.974	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	62642	92.267	ug/l #	17

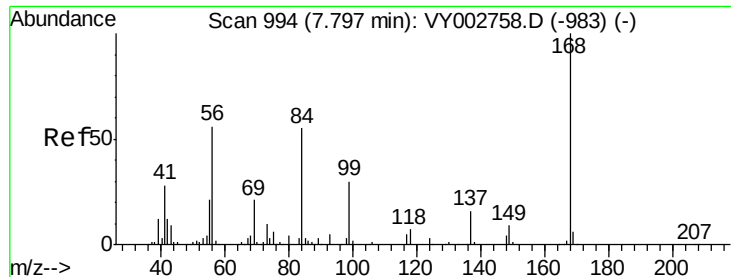
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002926.D

Acq: 18 Jun 2020 17:59

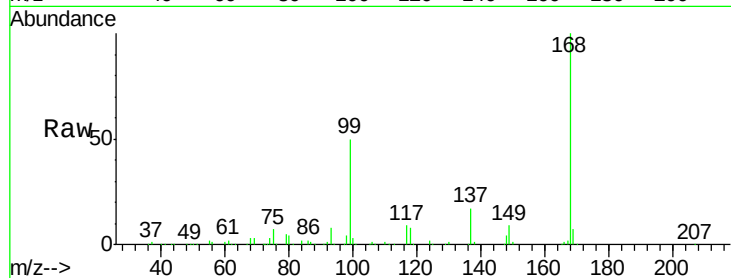
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 213456

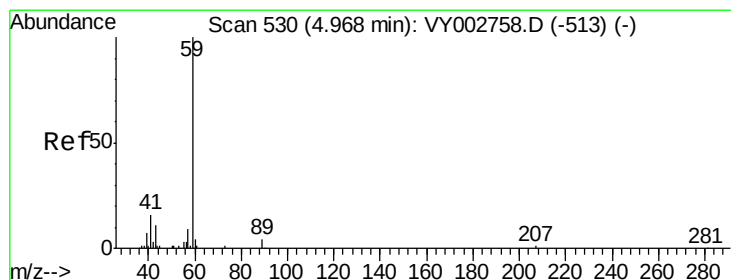
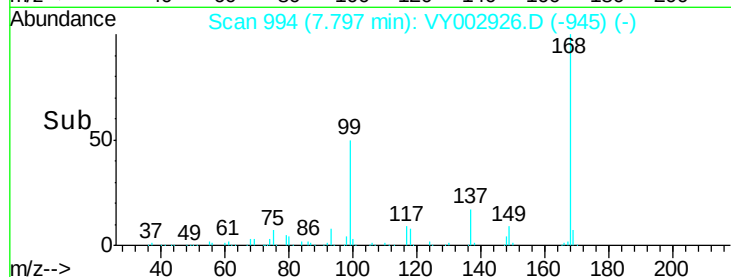
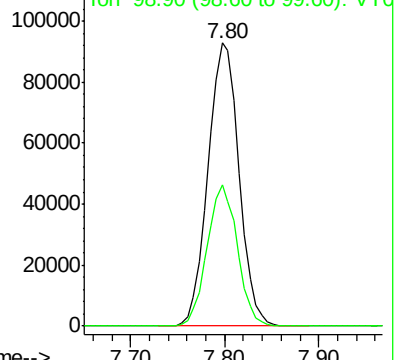
Ion Ratio Lower Upper

168 100

99 49.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002926.D (-945) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY002926.D

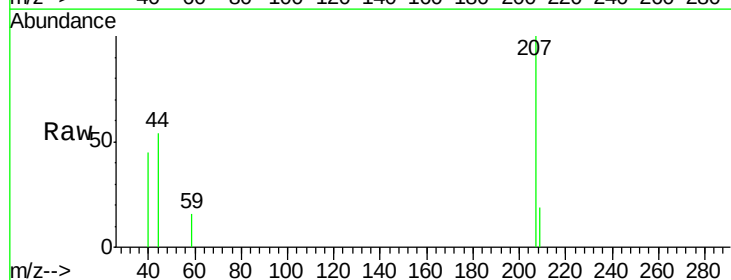
Acq: 18 Jun 2020 17:59

Tgt Ion: 59 Resp: 19

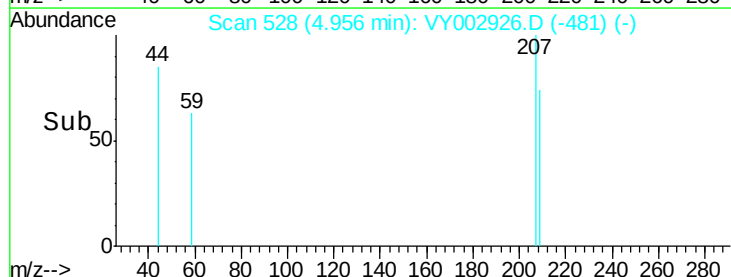
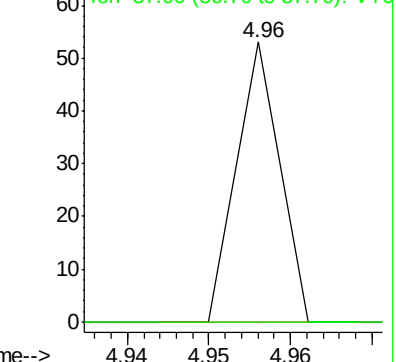
Ion Ratio Lower Upper

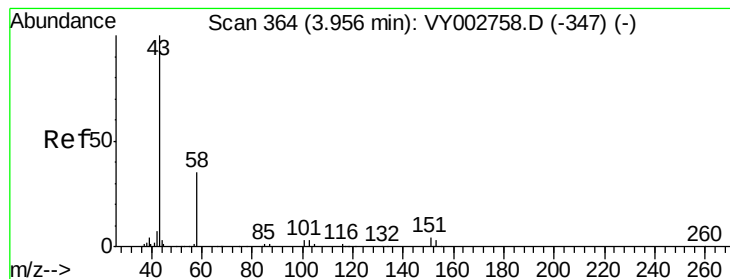
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002926.D (-481) (-)





#16

Acetone

Concen: 31.323 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002926.D

Acq: 18 Jun 2020 17:59

Instrument :

MSVOA_Y

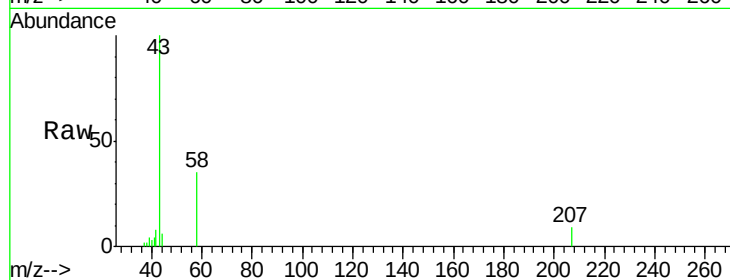
ClientSampled :

Tot Ion: 43 Resp: 13613

Ion Ratio Lower Upper

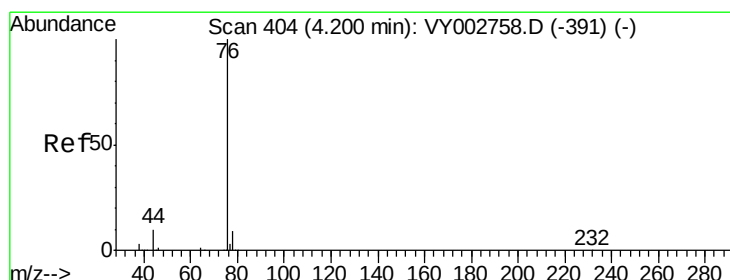
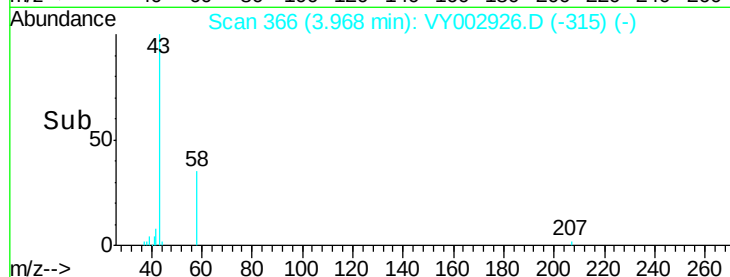
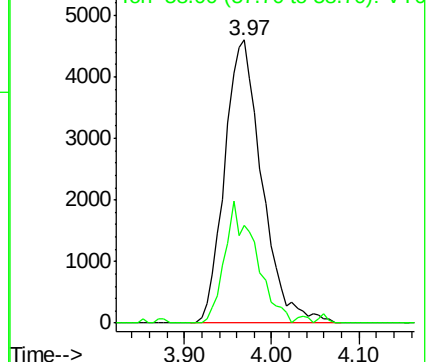
43 100

58 34.7 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 14.847 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002926.D

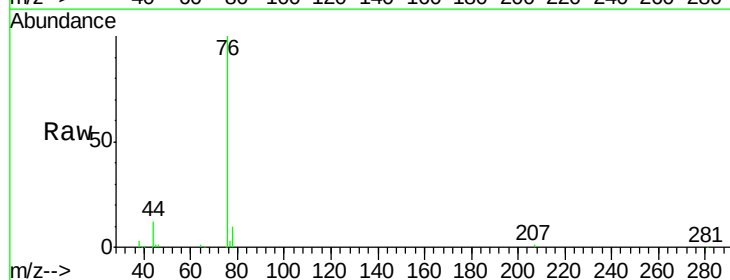
Acq: 18 Jun 2020 17:59

Tgt Ion: 76 Resp: 81470

Ion Ratio Lower Upper

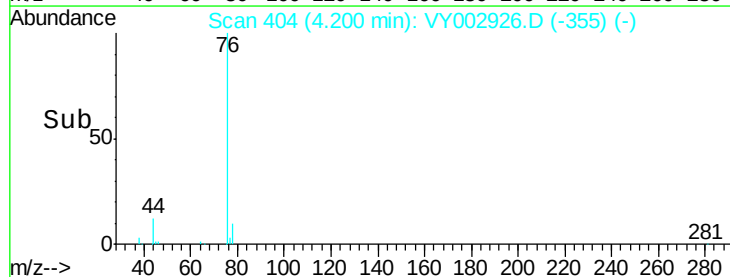
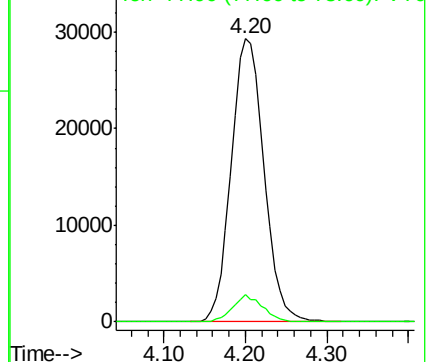
76 100

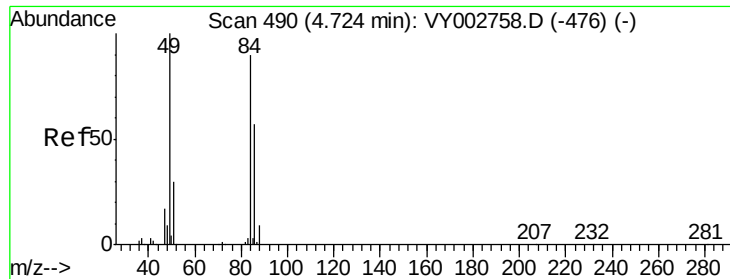
78 9.8 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

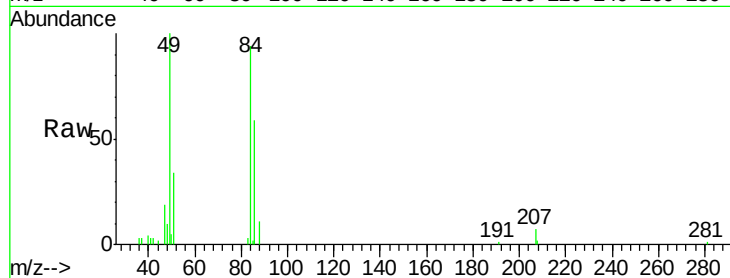




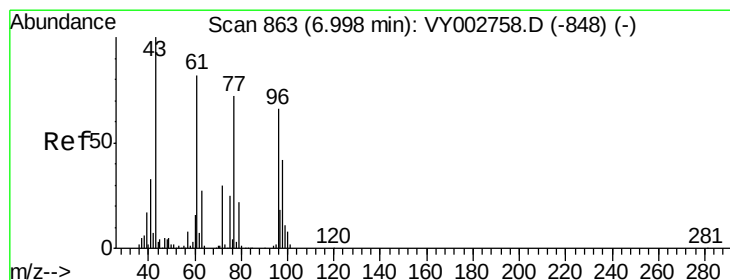
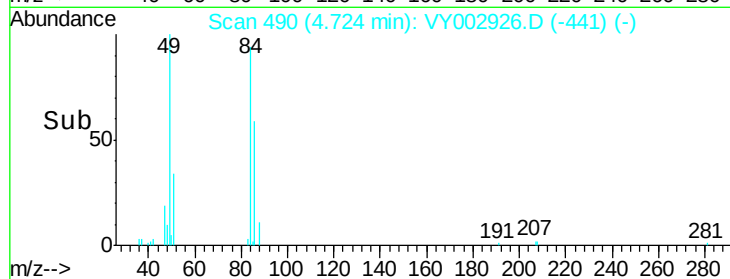
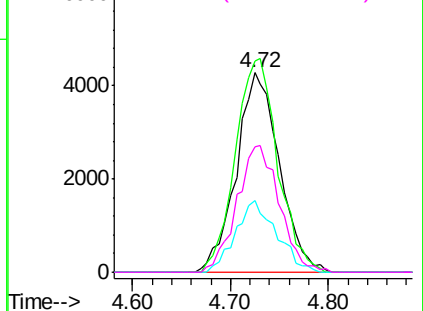
#20
Methylene Chloride
Concen: 6.154 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	13070
Ion	Ratio	Lower	Upper
84	100		
49	106.1	88.5	132.7
51	36.0	26.8	40.2
86	63.1	50.6	75.8

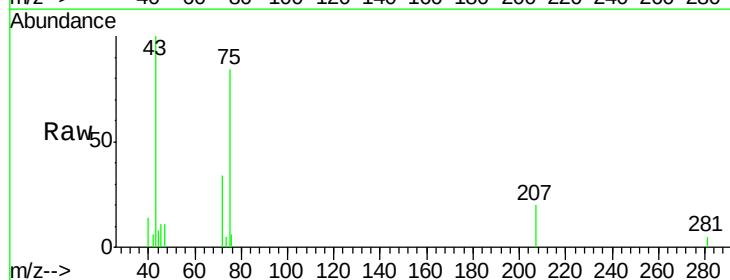


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

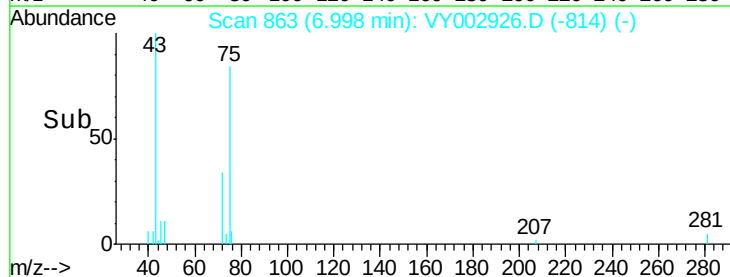
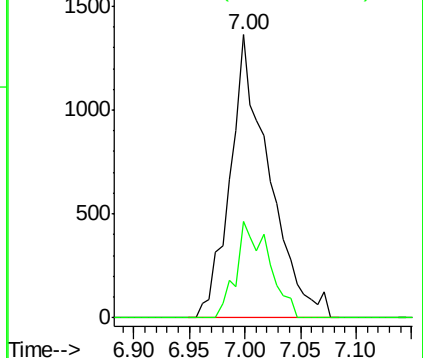


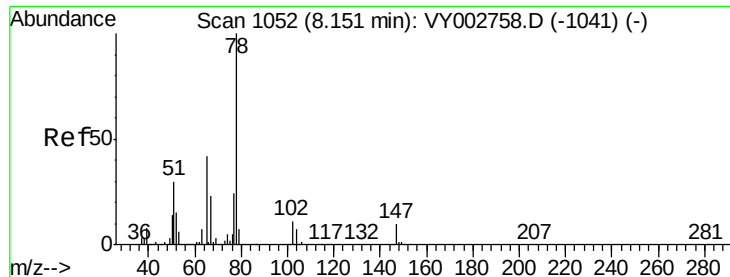
#25
2-Butanone
Concen: 4.877 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

Tgt Ion:	43	Resp:	3302
Ion	Ratio	Lower	Upper
43	100		
72	34.1	23.9	35.9



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

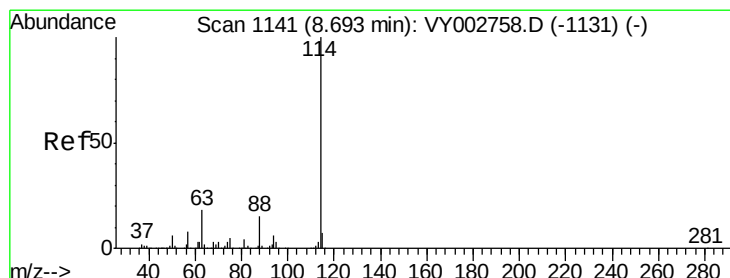
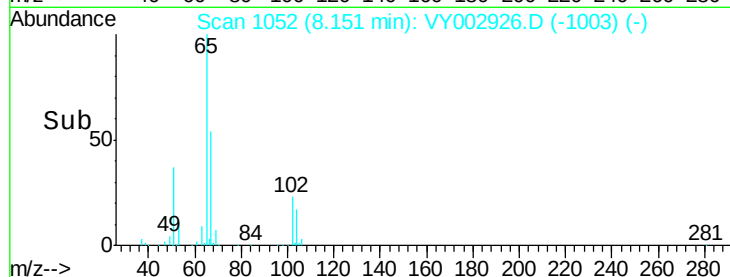
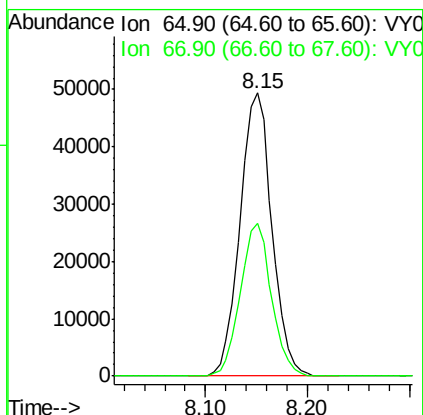
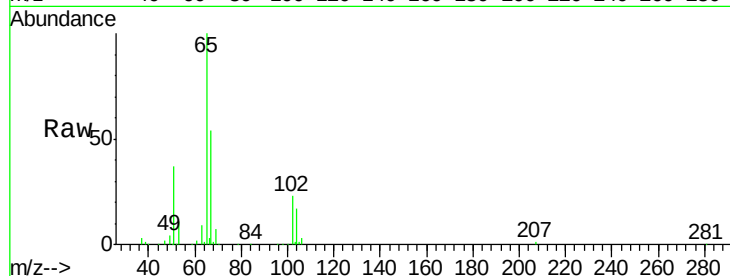




#33
 1,2-Dichloroethane-d4
 Concen: 57.773 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002926.D
 Acq: 18 Jun 2020 17:59

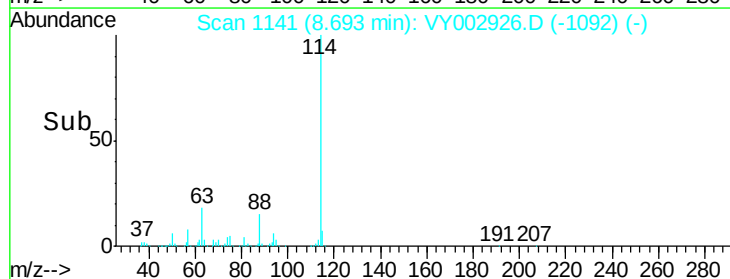
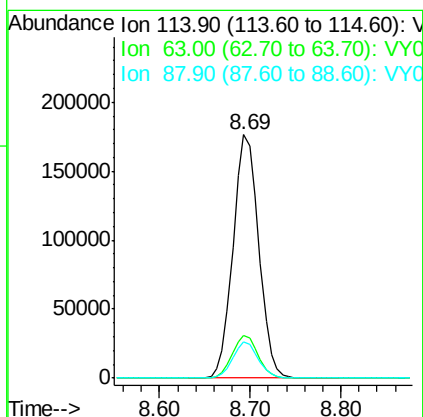
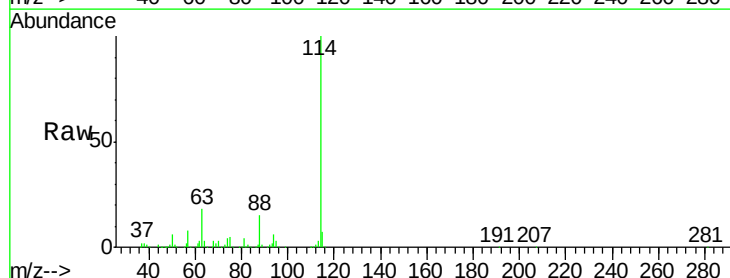
Instrument :
 MSVOA_Y
 ClientSampled :

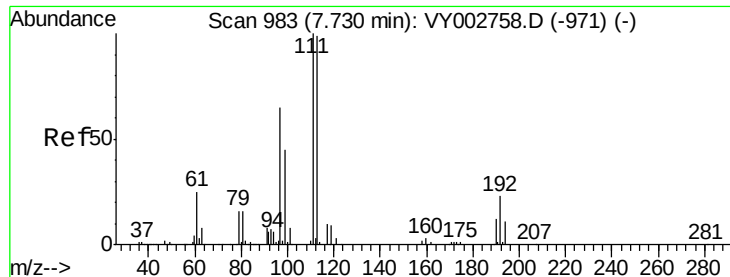
Tot Ion: 65 Resp: 107077
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002926.D
 Acq: 18 Jun 2020 17:59

Tgt Ion: 114 Resp: 346183
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 15.2 0.0 29.2

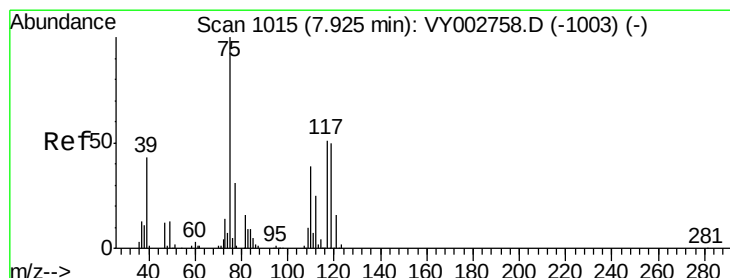
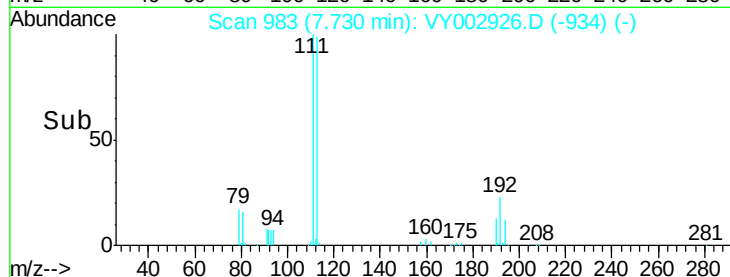
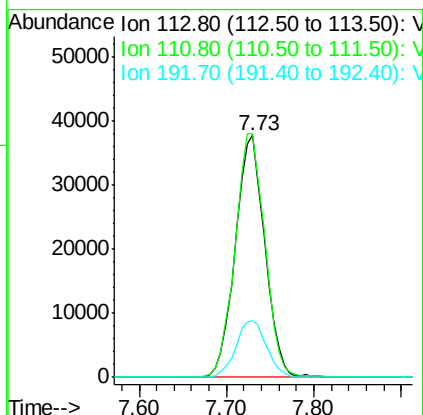
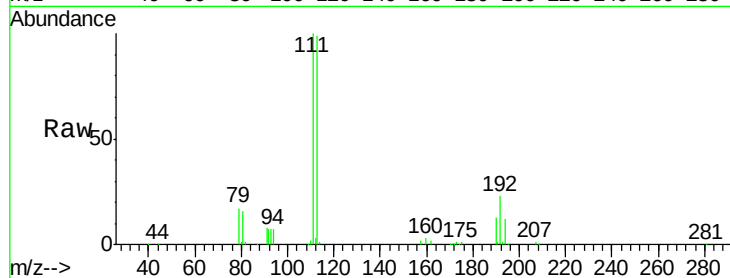




#35
 Dibromofluoromethane
 Concen: 43.686 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY002926.D
 Acq: 18 Jun 2020 17:59

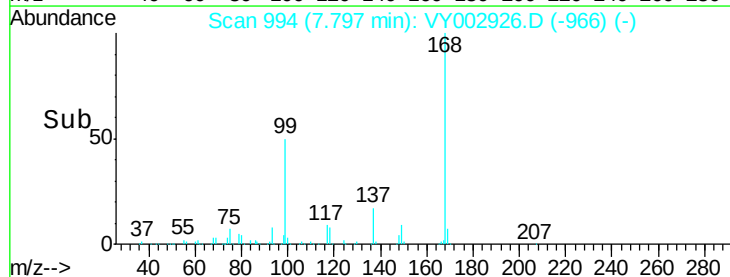
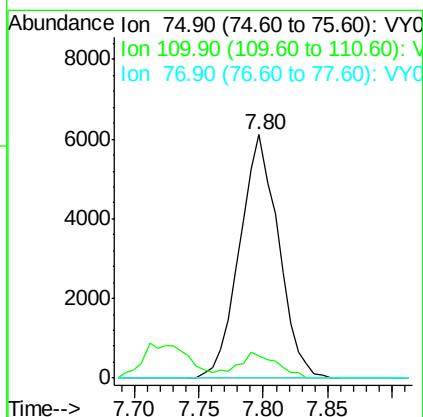
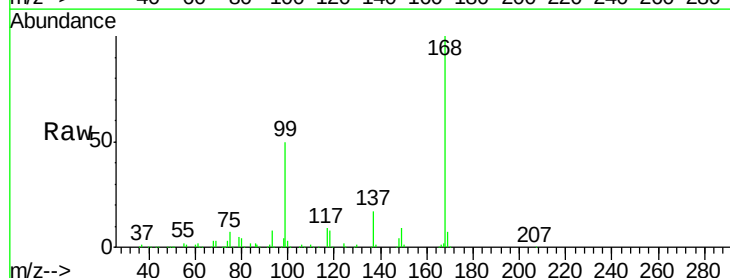
Instrument :
 MSVOA_Y
 ClientSampleId :

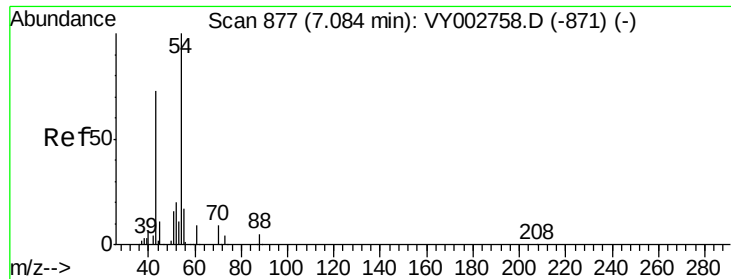
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	24.2	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.368 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002926.D
 Acq: 18 Jun 2020 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.3	57.9#
77	0.0	24.8	37.2#

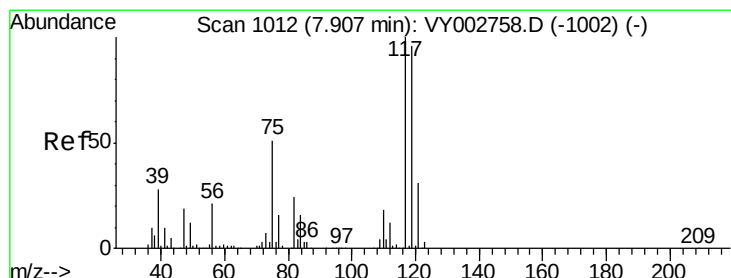
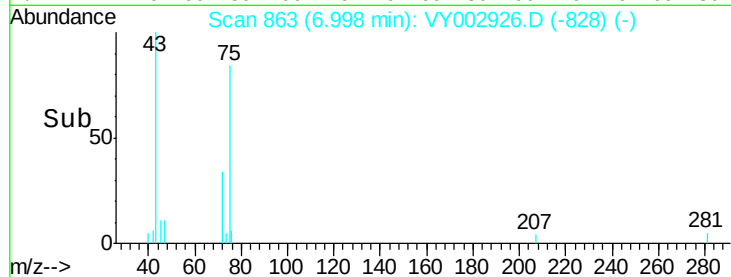
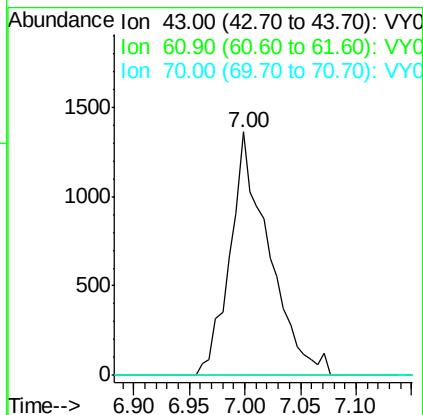
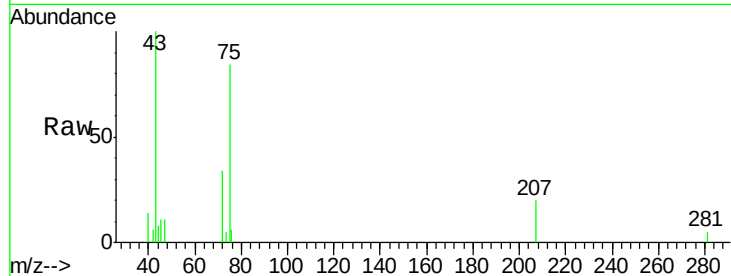




#37
Ethyl Acetate
Concen: 2.081 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

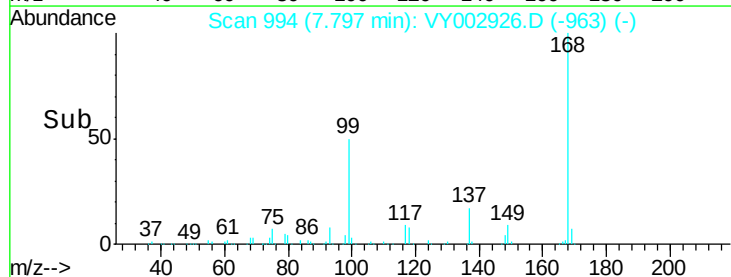
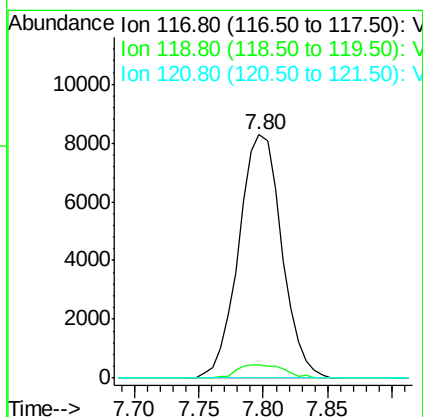
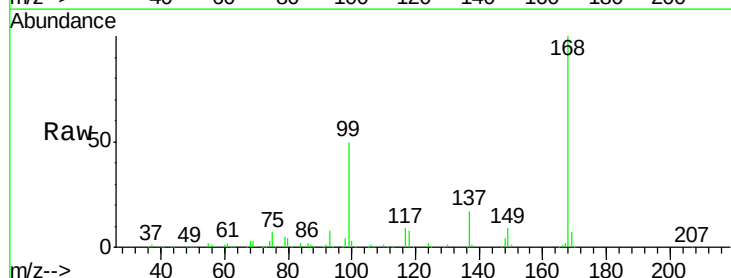
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MSVOA_Y
ClientSampleId :

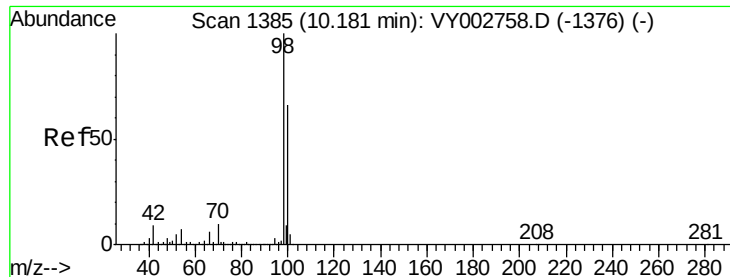
Tot Ion: 43 Resp: 3302
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.917 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

Tgt Ion: 117 Resp: 19167
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.076 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002926.D

Acq: 18 Jun 2020 17:59

Instrument :

MSVOA_Y

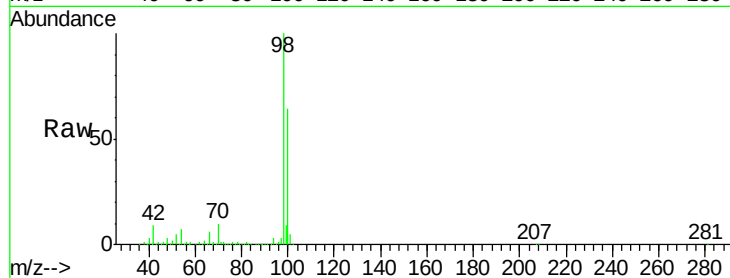
ClientSampled :

Tot Ion: 98 Resp: 410776

Ion Ratio Lower Upper

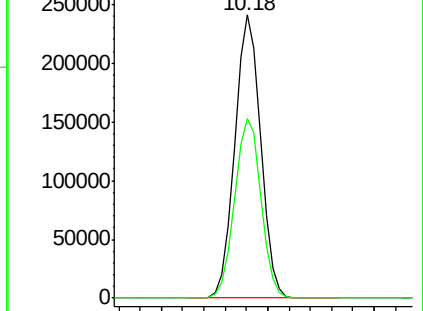
98 100

100 64.6 52.2 78.2

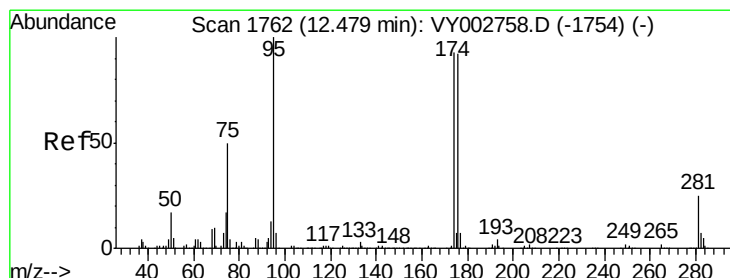
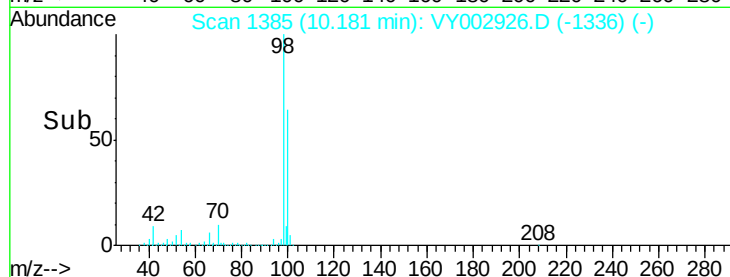


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#62

4-Bromofluorobenzene

Concen: 45.610 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002926.D

Acq: 18 Jun 2020 17:59

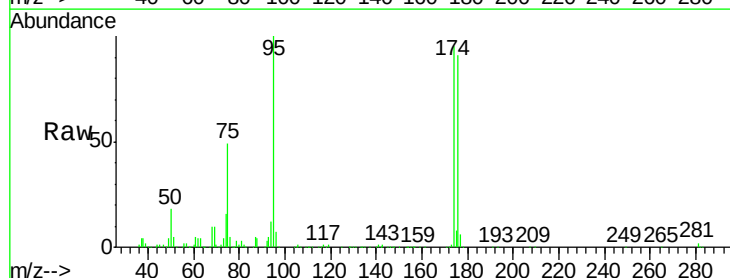
Tgt Ion: 95 Resp: 127862

Ion Ratio Lower Upper

95 100

174 99.2 0.0 191.2

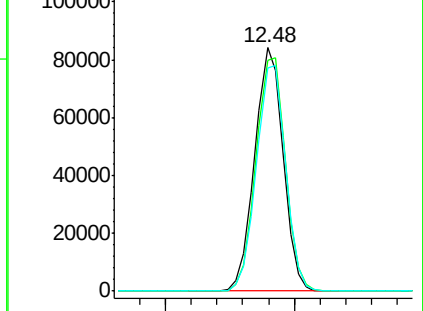
176 95.2 0.0 188.8



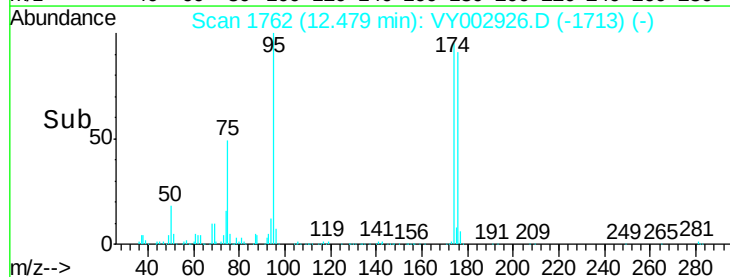
Abundance Ion 94.90 (94.60 to 95.60): VY0

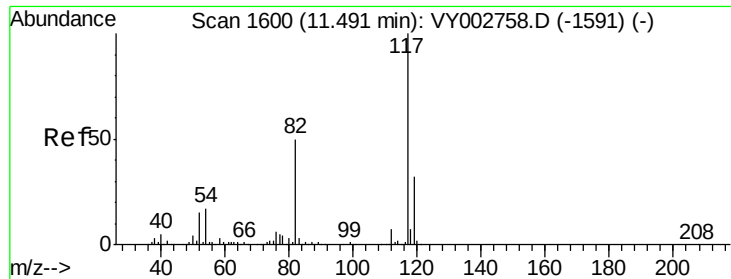
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

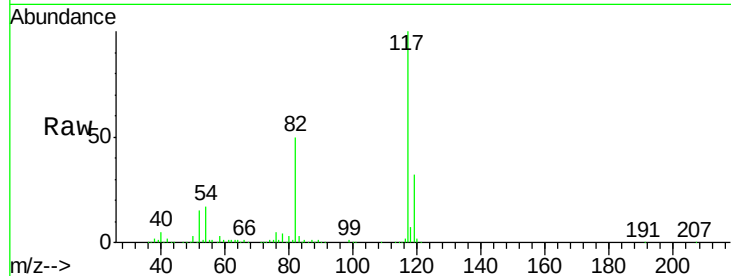




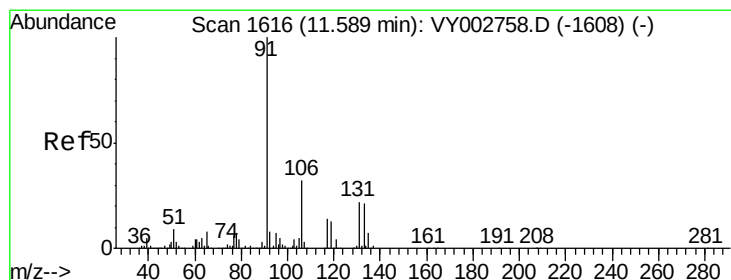
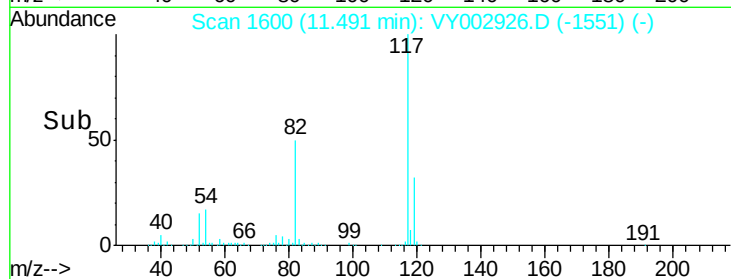
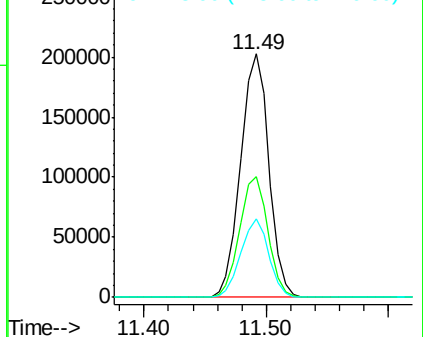
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 323726
Ion Ratio Lower Upper
117 100
82 49.8 40.2 60.4
119 32.2 25.8 38.8

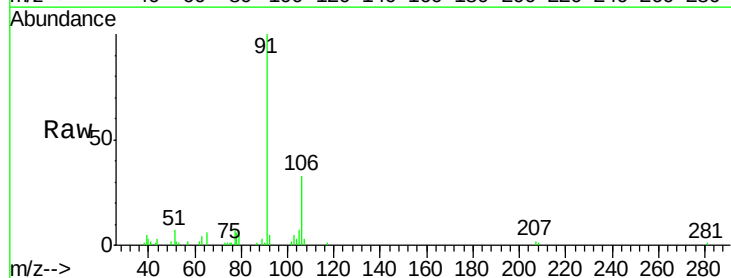


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

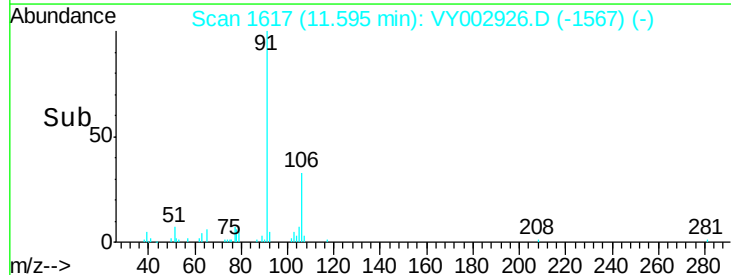
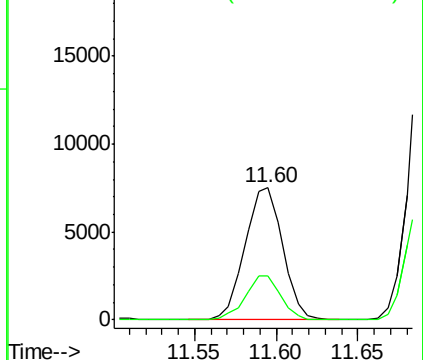


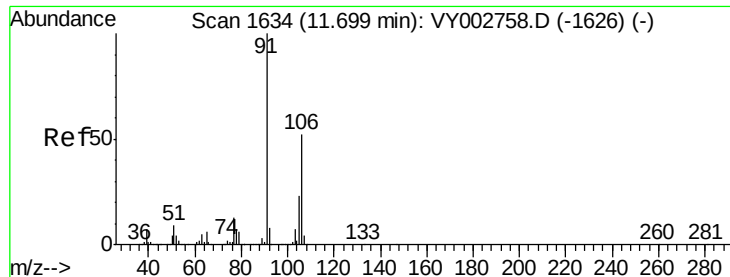
#67
Ethyl Benzene
Concen: 1.094 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

Tgt Ion: 91 Resp: 12136
Ion Ratio Lower Upper
91 100
106 33.0 25.7 38.5



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

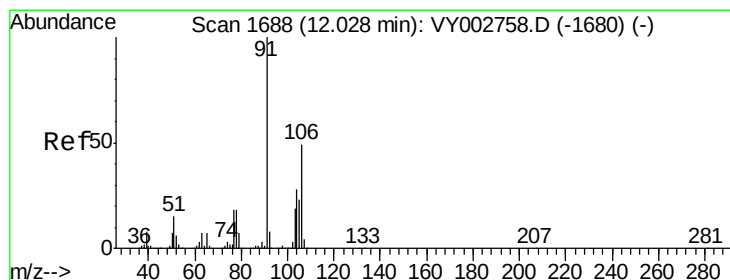
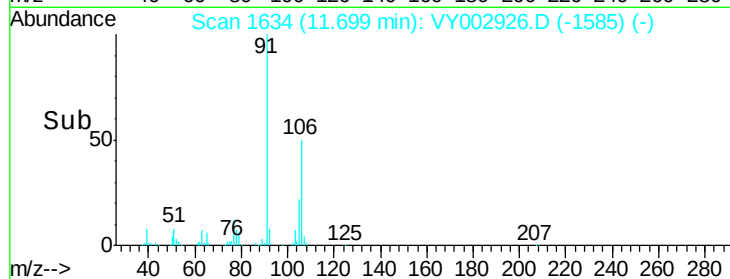
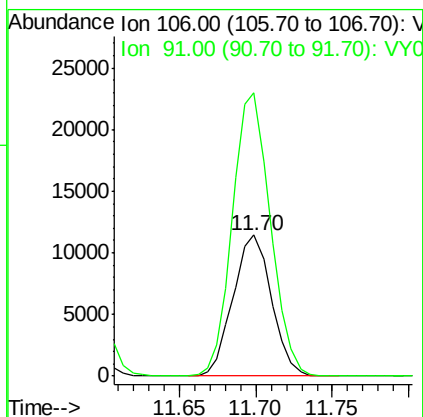
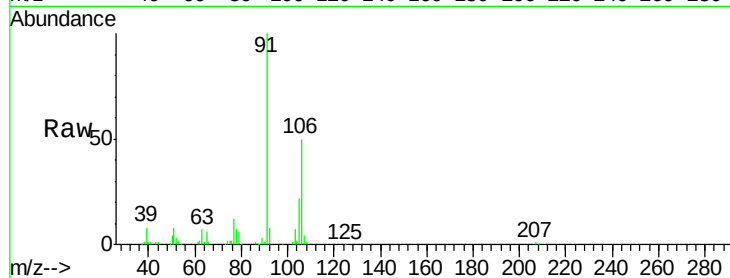




#68
m/p-Xylenes
Concen: 4.650 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

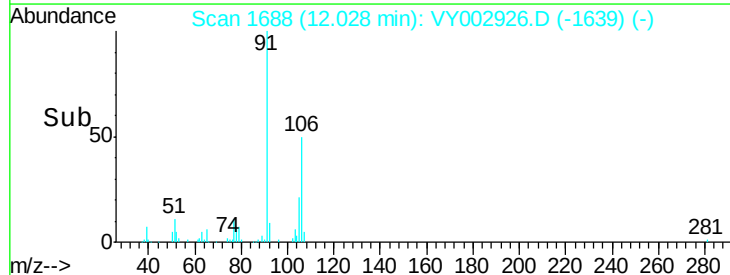
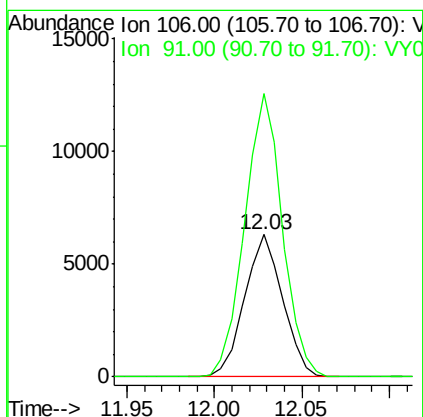
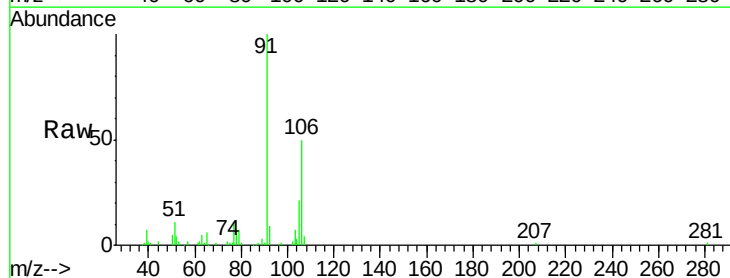
Instrument :
MSVOA_Y
ClientSampled :

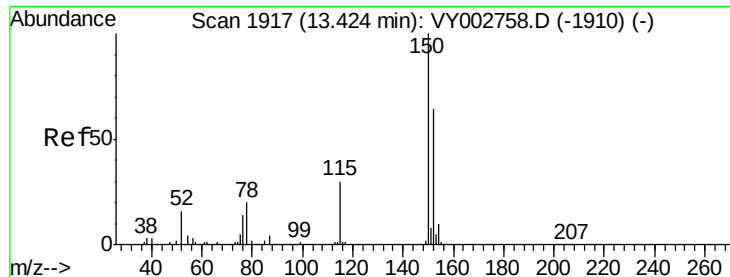
Tot Ion:106 Resp: 19997
Ion Ratio Lower Upper
106 100
91 197.4 156.0 234.0



#69
o-Xylene
Concen: 2.357 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002926.D
Acq: 18 Jun 2020 17:59

Tgt Ion:106 Resp: 9568
Ion Ratio Lower Upper
106 100
91 195.9 102.4 307.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002926.D

Acq: 18 Jun 2020 17:59

Instrument :

MSVOA_Y

ClientSampleId :

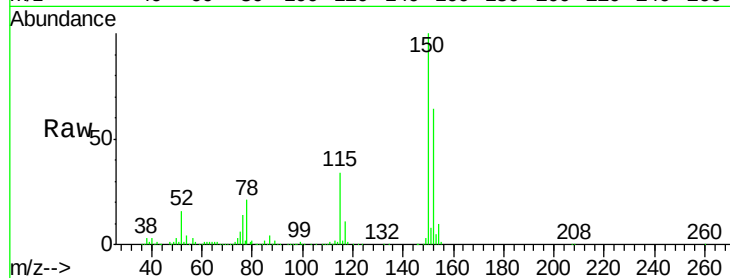
Tot Ion:152 Resp: 141953

Ion Ratio Lower Upper

152 100

115 53.4 27.0 81.0

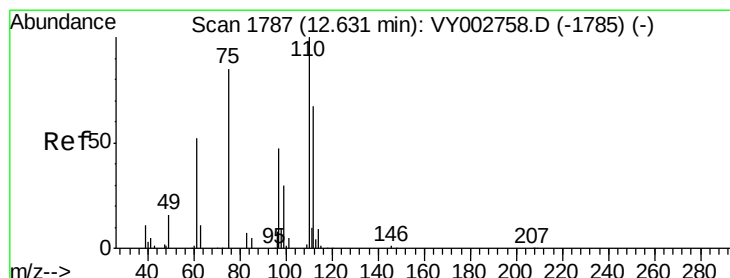
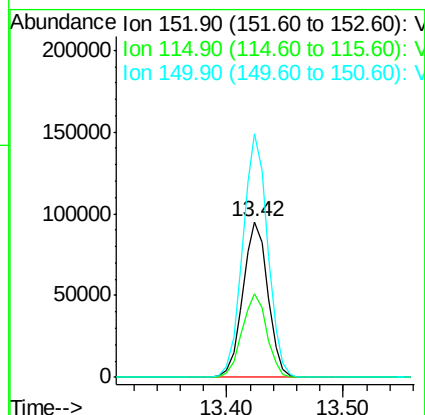
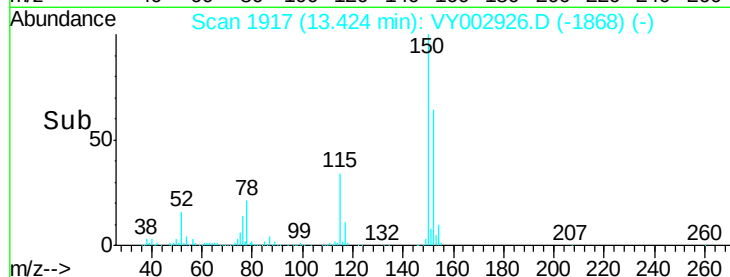
150 156.4 0.0 344.8



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: 48.974 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002926.D

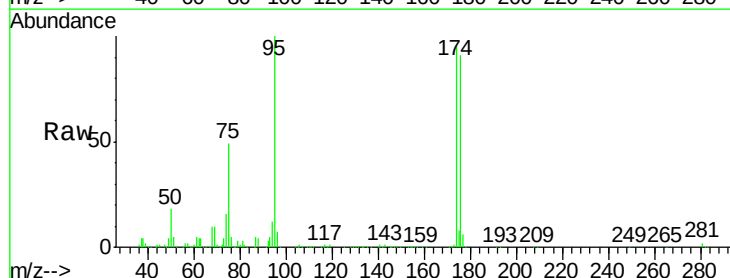
Acq: 18 Jun 2020 17:59

Tgt Ion: 75 Resp: 62642

Ion Ratio Lower Upper

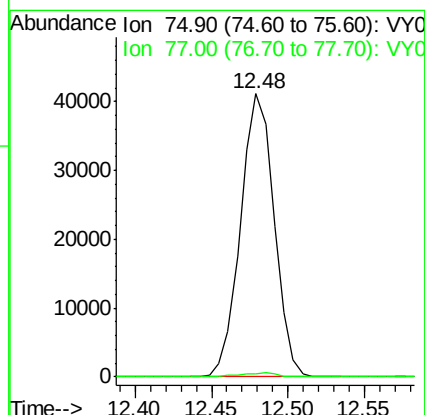
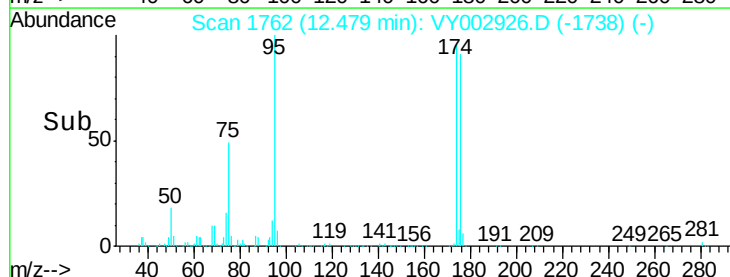
75 100

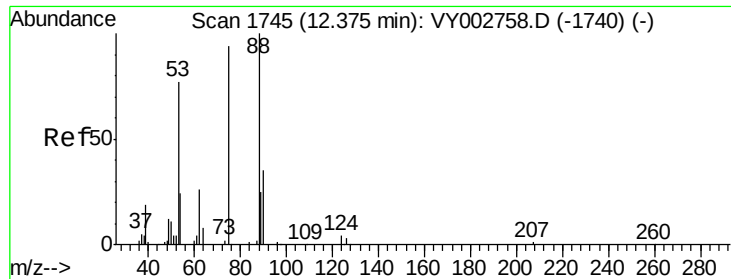
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.267 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002926.D

Acq: 18 Jun 2020 17:59

Instrument :

MSVOA_Y

ClientSampleId :

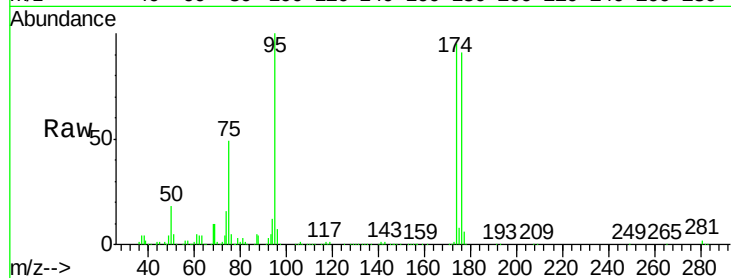
Tot Ion: 75 Resp: 62642

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.0 37.4 56.2#



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

